Appendix B1
Air Quality Regulations/Methodology and Air Quality and GHG Emissions/Energy

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1.0 Introduction

This appendix describes the regulatory background, estimation methodology and resulting calculated criteria pollutant and greenhouse gas (GHG) emissions and fuel consumption from construction and operation of the Berth 148-151 (Phillips 66) Marine Oil Terminal Wharf Improvements Project (the Proposed Project). Emissions were estimated for the 2021 Baseline, the first year of Project operations (2027), and 2057 (at 30 years of full operation), as well as emissions for every year during the 2024 - 2029 construction period. (As described in Section 2.5.1, the assumed dates are for analytical purposes only and mean that the analysis is conservative, as a later start date would result in cleaner construction and operational equipment being used.)

2.0 Applicable Regulations

2.1 International Regulations

2.1.1 International Maritime Organization International Convention for the Prevention of Pollution from Ships Annex VI

The International Maritime Organization (IMO) International Convention for the Prevention of Pollution from Ships (MARPOL) Annex VI, which came into force in May 2005, set new international nitrogen oxides (NO_X) emission limits on marine engines over 130 kilowatts (kW) installed on new vessels retroactive to the year 2000. In October 2008, IMO adopted amendments to international requirements under MARPOL Annex VI, which introduced NO_X emission standards for new engines and more stringent fuel quality requirements. In April 2014, amendments to MARPOL Annex VI were adopted regarding the effective date of NO_X Tier III standards (DieselNet 2022a; IMO 2008). The Annex VI North American Emission Control Area (ECA) requirements applicable to the Proposed Project include:

- Limits on the sulfur content of fuel as a measure to control sulfur oxides (SO_X) emissions and, indirectly, particulate (PM) emissions. For ECAs, the sulfur limits are capped at 0.1 percent effective in 2015. The Proposed Project and alternatives assume full compliance with MARPOL Annex VI SO_X limits.[1]
- Ships constructed on or after January 1, 2016, shall comply with the Tier III NO_X emission limits when operating within the North American ECA (IMO 2010). Tier I and Tier II limits effective 2000 and 2011 are global limits, whereas Tier III limits, effective in 2016, apply only in NO_X ECAs.

[1] The sulfur requirements in ECA's are 1.0 percent as of July 2010 and 0.1 percent starting in January 2015. North America was designated as ECA in August 2012, and the sulfur requirements became applicable as of the time of designation.

2.2 Federal Regulations

2.2.1 United States Environmental Protection Agency (USEPA) Emissions Standards for Marine Diesel Compression Ignition Engines—Category 1 and 2 Engines

Engine Categories are identified on the basis of engine displacement per cylinder. Category 1 engines have engine displacements per cylinder of less than 5 liters, whereas Category 2 engines have engine displacements of between 5 and 30 liters. Category 1 and 2 engines are often the auxiliary engines on large ocean-going vessels (OGV)s as well as auxiliary and propulsion engines on harbor craft. To reduce emissions from such engines, USEPA established 1999 emission standards for newly built engines, referred to as *Tier 2 marine engine standards*. These standards were based on the land-based standard for non-road engines. The Tier 2 standards were phased in from 2004 to 2007 (year of manufacture), depending on the engine size.

On March 14, 2008, USEPA finalized a program to reduce emissions from marine diesel Category 1 and 2 engines (73 FR 88 25098-25352). The regulations introduced Tier 3 and Tier 4 standards, which apply to both new and remanufactured diesel engines. The phase-in of Tier 3 standards extended from 2009 to 2014 for new Category 1 engines and from 2013 to 2014 for new Category 2 engines. Tier 4 standards were phased in for new Category 1 and 2 engines above 600 kW from 2014 to 2017. For remanufactured engines, standards apply only to commercial marine diesel engines above 600 kW when the engines are re-manufactured and as soon as certified systems are available.

2.2.2 USEPA Emission Standards for Large Marine Diesel Engines —Category 3 Engines

Category 3 engines have engine displacements per cylinder greater than 30 liters. Category 3 engines are propulsion engines on OGVs. To reduce emissions from these engines, USEPA established 2003 Tier 1 NO_X standards for marine diesel engines above 30 liters per cylinder, large Category 3 marine propulsion engines on United States (U.S.) flagged ocean-going vessels (40 Code of Federal Regulations [CFR] Part 9 and 94) (68 FR 9745-9789). The standards went into effect for new engines built in 2004 and later. Tier 1 limits were achieved by engine-based controls, without the need for exhaust gas after-treatment.

In December 2009, USEPA adopted Tier 2 and Tier 3 emissions standards for newly built Category 3 engines installed on U.S. flagged vessels, as well as marine fuel sulfur limits. The Tier 2 and 3 engines standards and fuel limits are equivalent to the amendments to MARPOL Annex VI. Tier 2 NO_X standards for newly built engines applied beginning in 2011 and require the use of engine-based controls, such as engine timing, engine cooling, and advanced electronic controls. Tier 3 standards applied beginning in 2016 in ECAs and would be met with the use of high efficiency emission control technology, such as selective catalytic reduction. The Tier 2 standards are anticipated to result in a 15 to 25 percent NO_X reduction below the Tier 1 levels; Tier 3 standards are expected to achieve NO_X reductions 80 percent below the Tier 1 levels (DieselNet 2022a). In addition to the Tier 2 and Tier 3 NO_X standards, the final regulation established standards for hydrocarbon (HC) and carbon monoxide (CO).

2.2.3 USEPA Emission Standards for Non-Road Diesel Engines

To reduce emissions from non-road diesel equipment, USEPA established a series of increasingly strict emission standards for new non-road diesel engines (DieselNet 2022b). Tier 1 standards were phased in on newly manufactured equipment from 1996 through 2000 (year of manufacture), depending on the engine horsepower category. Tier 2 standards were phased in on newly manufactured equipment from 2001 through 2006. Tier 3 standards were phased in on newly manufactured equipment from 2006 through 2008. Tier 4 standards, which require advanced emission control technology to attain them, were phased in between 2008 to 2015. These standards apply to construction off-road land-based equipment.

2.2.4 USEPA Emission Standards for On-Road Trucks

Heavy-duty trucks are subdivided into three categories by the vehicle's gross vehicle weight rating (GVWR): light heavy-duty engines (8,500 to 19,500 pounds), medium heavy-duty engines (19,500 to 33,000 pounds), and heavy heavy-duty engines (greater than 33,000 pounds).

To reduce emissions from on-road, heavy-duty diesel trucks, USEPA established a series of increasingly strict emission standards for new truck engines (DieselNet 2022a). The latest U.S. federal emission standards affecting criteria pollutants from heavy-duty engines were adopted by USEPA on December 20, 2022. These standards set new limits for NO_X, PM, volatile organic compounds (VOC), and CO for heavy-duty engines starting with model year 2027 and newer.

On September 15, 2011, USEPA and Department of Transportation's National Highway Traffic Safety Administration (NHTSA) finalized regulations to reduce GHG emissions and improve fuel efficiency of medium- and heavy-duty vehicles (USEPA 2011a), including large pickup trucks and vans, semi-trucks, and all types and sizes of work trucks and buses. The regulations incorporate all on-road vehicles rated at a gross vehicle weight at or above 8,500 pounds, and the engines that power them. Under the regulations, fuel economy will be improved and GHG emissions will be reduced in model years 2014 to 2018. On August 16, 2016, USEPA and NHTSA implemented Phase 2 of the Heavy-Duty National Program to cover model years 2018 to 2027 for certain trailers and model years 2021 to 2027 for semi-trucks, large pickup trucks, vans, and all types and sizes of buses and work trucks (USEPA 2016).

2.2.5 USEPA and National Highway Traffic Safety Administration Light-Duty Vehicle GHG Emission Standards and Corporate Average Fuel Economy Standards

In May 2010, USEPA, in conjunction with the NHTSA, finalized the Light-Duty Vehicle Rule that established a national program consisting of GHG emissions standards and Corporate Average Fuel Economy standards for light-duty vehicles (USEPA 2010). Light-Duty Vehicle Rule standards first applied to new cars and trucks starting with model year 2012. Although the rule is primarily designed to address GHG emissions, the fuel economy standards portion of the rule would serve to also reduce criteria pollutant

emissions. On August 28, 2012, USEPA and NHTSA extended the National Program of harmonized GHG and fuel economy standards to model year 2017 through 2025 passenger vehicles (USEPA 2012). The 2010 and 2012 rules affect passenger vehicles (i.e., terminal workers) and other light-duty vehicles traveling to the terminal.

2.3 State Regulations and Agreements

2.3.1 State Implementation Plan (SIP)

In federal nonattainment areas, the Federal Clean Air Act (CAA) requires preparation of a SIP detailing how the state will attain the National Air Quality Air Quality Standards (NAAQS) within mandated timeframes. In response to this requirement, the Southern California Air Quality Management District (SCAQMD), in collaboration with other agencies, such as the California Air Resources Board (CARB) and Southern California Association of Governments (SCAG), periodically prepares an Air Quality Management Plan (AQMP) designed to bring the SCAB into attainment with federal requirements and/or to incorporate the latest technical planning information. The AQMP is then incorporated into the State Implementation Plan (SIP), which is submitted by CARB to USEPA for approval.

SCAQMD has prepared AQMPs in 1997, 2003, 2007, 2012, 2016, and most recently in 2022. Each iteration of the AQMP is an update of the previous AQMP. The focus of the 2007 AQMP was to demonstrate compliance with the NAAQS for $PM_{2.5}$ and 8-hour ozone and other planning requirements, including compliance with the NAAQS for PM_{10} (SCAQMD 2007). The 2007 AQMP proposed attainment demonstration of the federal $PM_{2.5}$ standards through a focused control of SO_X, directly emitted $PM_{2.5}$, and NO_X, supplemented with VOCs by 2015. The SCAQMD did not meet the standards by the original attainment year; therefore, subsequent AQMPs address new attainment deadlines.

In December 2012, the SCAQMD Governing Board adopted the 2012 AQMP (SCAQMD 2013). The 2012 AQMP focuses on $PM_{2.5}$ control measures designed to attain the federal 24-hour $PM_{2.5}$ standard and contingency measures in case the targeted attainment date is missed. The 2012 AQMP also contains proposed actions to reduce ozone. The Final 2016 AQMP, which is a comprehensive and integrated Plan primarily focused on addressing the ozone and $PM_{2.5}$ standards, was approved in March 2017 (SCAQMD 2017). The 2022 AQMP addresses requirements for meeting the 70ppb ozone standard. The 2022 AQMP focuses on NO_X control measures for residential, commercial, and large industrial combustion sources. Many of the control measures rely on research and development, demonstration, and incentives to facilitate the widespread deployment of zero-emissions (ZE) and low-NO_X technologies alongside funding programs to support research, development, demonstration of such advanced technologies (SCAQMD 2022).

2.3.2 California Clean Air Act

The California Clean Air Act of 1988, as amended in 1992, outlines a program to attain the California Ambient Air Quality Standards (CAAQS) by the earliest practical date. Because the CAAQS are more stringent than the NAAQS, attainment of the CAAQS requires more emissions reductions than what would be required to show attainment of the NAAQS. Consequently, the focus of attainment planning in California has shifted from the federal to state requirements. Similar to the federal system, the state

requirements and compliance dates are based upon the severity of the ambient air quality standard violation within a region.

2.3.3 AB 2650

Assembly Bill (AB) 2650 (Lowenthal) was signed into law by Governor Davis and became effective on January 1, 2003. Under AB 2650, shipping terminal operators are required to limit truck-waiting times to no more than 30 minutes at the Ports of Los Angeles, Long Beach, and Oakland, or face fines of $250 per violation. A companion piece of legislation (AB 1971) was approved in September 2004 to ensure that the intent of AB 2650 is not circumvented by moving trucks with appointments inside the terminal gates to wait.

2.3.4 CARB Heavy Duty Diesel Vehicle Idling Emission Reduction Regulation

This CARB rule has been in effect for heavy-duty diesel trucks in California since 2008. The rule requires that heavy-duty trucks be equipped with a non-programmable engine shutdown system that shuts down the engine after five minutes or optionally meet a stringent NO_X idling emission standard (California Code of Regulations [CCR] Title 13, §§1956.8 and 2485). This regulation applies to trucks used during construction and operation.

2.3.5 CARB California Diesel Fuel Regulation

With this rule, CARB set sulfur limitations for diesel fuel sold in California for use in on-road and off-road motor vehicles (CARB 2014). Harbor craft and intrastate locomotives were originally excluded from the rule but were later included by a 2004 rule amendment (CARB 2005). Under this rule, diesel fuel used in motor vehicles, harbor craft, and intrastate locomotives is been limited to 15 parts per million (ppm) sulfur content since September 1, 2006. A federal diesel rule similarly limits sulfur content in motor vehicles nationwide to 15 ppm.

2.3.6 CARB General Requirements for In-Use Off-Road Diesel-Fueled Fleets

In 2007, CARB adopted a rule that requires owners of off-road mobile equipment powered by diesel engines 25 hp or larger to meet or exceed the fleet average or best available control technology (BACT) requirements for NO_X and PM emissions by January 1 of each year between 2014 and 2023 (CCR Title 13 §2449.1). The rule is structured by fleet size: large, medium, and small fleets. The regulation was adopted in April 2008 and subsequently amended to delay the turnover of Tier 1 equipment for meeting the NO_X performance requirements of the regulation, and then to delay overall implementation of the equipment turnover compliance schedule in response to the economic downturn in 2008 and 2009. In September 2013, CARB received authorization from USEPA to enforce the In-Use Off-road Diesel Vehicle Regulation, including the regulation's performance requirements, such as turnover requirements and restrictions on adding older, dirtier Tier 0 and 1 vehicles. Enforcement of the restrictions on adding Tier 0 and 1 vehicles began January 1, 2014. Enforcement of the restrictions on adding Tier 2 vehicles began January 1, 2018, for large and medium fleets and began on January 1,

2023, for smaller fleets (CARB 2022a). Enforcement of the first fleet average requirements for large fleets (greater than 5,000 total fleet horsepower) began on July 1, 2014.

CARB approved amendments to the regulation in November 2023, which will require, once it comes into effect, that fleets phase-out use of the oldest and highest polluting off-road diesel vehicles in California; prohibit the addition of high-emitting vehicles to a fleet; and require the use of R99 or R100 renewable diesel in off-road diesel vehicles.

2.3.7 CARB Regulations for Fuel Sulfur and Other Operational Requirements for OGVs within California Waters and 24 Nautical Miles of the California Baseline

In July 2008, CARB approved the Regulation for Fuel Sulfur and Other Operational Requirements for Ocean-Going Vessels within California Waters and 24 Nautical Miles of the California Baseline (CCR Title 13 §2299.2). These regulations require ship main engines, auxiliary engines, and auxiliary boilers operating in California waters to use Marine Diesel Oil (MDO) or Marine Gas Oil (MGO) with a maximum sulfur content of 0.1 percent.

2.3.8 CARB Ocean-Going Vessels At-Berth Regulation

In December 2007, CARB adopted a regulation to reduce emissions from diesel auxiliary engines on OGVs while at-berth for container, cruise, and refrigerated cargo vessels (CCR Title 17 §93118.3). In 2020, CARB expanded the regulation to cover tankers and roll-on/roll-off vessels (Control Measure for Ocean-Going Vessels At-Berth [At-Berth Regulation]) adopted by CARB in 2020; 17 CCR §§ 93130-93130.22). The amended regulation requires that emissions from auxiliary diesel engines and boilers on the covered types of OGVs be reduced either through the use of shore power or via another CARB-Approved Emission Control Strategy (CAECS) to control PM, NO_X, and reactive organic gases (ROG) emissions while hoteling at-berth without increasing overall GHG emissions. Under the 2020 amendments to the regulation, auto carriers (roll-on/roll-off vessels) and tanker ships are required to control hoteling emissions at-berth starting in 2025 for the Ports of Los Angeles and Long Beach (CARB 2020). A Vessel Incident Event (VIE) and Terminal Incident Event (TIE) accommodate a limited number of situations where a vessel does not reduce emissions during a visit. In addition, the amended regulation includes an initial “low use” exception from control requirements for terminals visited by fewer than twenty vessels per year (17 CCR §§ 93130.10).

2.3.9 CARB Emission Standards, Test Procedures, for Large Spark Ignition Engine Forklifts and Other Industrial Equipment

Since 2007, CARB has promulgated more stringent emissions standards for hydrocarbon and oxides of nitrogen combined (HC + NO_X) emissions and test procedures. The engine emission standards and test procedures were implemented in two phases. The first phase was implemented for engines built between January 2007 and December 2009. The second more stringent phase was implemented for engines built starting in January 2010.

The regulation was amended in 2010 establishing fleet average emissions requirements for existing engines (CCR Title 13 §2775).

2.3.10 CARB On-Road Heavy-Duty Diesel Vehicles (In-Use) Regulation —Truck and Bus Regulation

In December 2011, CARB amended the 2008 State-wide Truck and Bus Regulation to modernize in-use heavy-duty vehicles operating throughout the state. Under this regulation, existing heavy-duty trucks are required to be replaced with trucks meeting the latest NO_X and PM Best Available Control Technologies (BACT) or retrofitted to meet these levels.

Trucks with GVWR less than 26,000 (most construction trucks) were required to replace engines with 2010 or newer engines, or equivalent, by January 2023. Trucks with GVWR greater than 26,000 (most heavy-duty trucks) must meet PM BACT and upgrade to a 2010 or newer model year emissions equivalent engine pursuant to the compliance schedule set forth by the rule. All model year 2007 Class 8 heavy-duty trucks are required to meet NO_X and PM BACT (i.e., USEPA 2010 and newer standards) (CARB 2022b).

For purposes of this analysis, this regulation affects the drayage truck fleet mix projections for the Proposed Project and alternatives, which is embedded in CARB's EMFAC model and is the basis of the regional diesel truck fleet emission factors used in the analysis.

2.3.11 Advanced Clean Trucks (ACT) Regulation

On March 15, 2021, CARB approved the final Advanced Clean Trucks Regulation which intends to reduce the release of criteria pollutants, toxic air contaminants, and GHGs through the accelerated integration of zero-emission medium-and heavy-duty vehicles. This regulation requires manufacturers to comply with ZEV sale mandates and reporting requirements or acquire deficits. The ZEV sale mandates would be based on the model year and weight class modifier of the rule's Final Regulation Order (CARB 2021a). By 2035, 75 percent of Class 4 - 8 non-tractor trailer truck sales and 40 percent of Class 4 - 8 truck tractor sales would need to be zero-emission vehicles. Tanker trucks, which tend to be Class 8 vehicles, may be indirectly affected by this rule, shifting some of the fleet from diesel to electricity, although the rule does not directly address this specific truck type.

A related proposed rule, under development by CARB at the time of this analysis and subsequently approved by CARB in April 2023, is the Advanced Clean Fleets regulation, with the goal of achieving a zero-emission truck and bus California fleet by 2045 everywhere feasible and significantly earlier for certain market segments such as last mile delivery and drayage applications. Under this rule, new drayage trucks entering into the California State drayage truck registry must be zero-emissions starting January 1, 2024, and all drayage trucks operating within California will be required to be zero-emissions by January 1, 2035. On December 28, 2023, CARB issued a notice indicating that the USEPA had not yet granted the pre-emption waiver application submitted by CARB and therefore the drayage and "priority" fleet requirements of the rule would not be enforced until further notice. On January 13, 2025, CARB withdrew its request for a waiver and authorization to USEPA for its Advanced Clean Fleets Regulation. For the purposes of this analysis, calculated emissions from the future truck fleets associated with the

Proposed Project conservatively do not take credit for potential emissions reductions from this rule.

2.3.12 CARB Regulation to Reduce Emissions from Diesel Engines on Commercial Harbor Craft (CHC)

On November 2007, CARB adopted a regulation to reduce diesel particulate matter (DPM) and NO_X emissions from new and in-use commercial harbor craft (CHC). Under CARB's definition, commercial harbor crafts include tugboats, tow boats, ferries, excursion vessels, work boats, crew boats, and fishing vessels. The regulation implemented stringent emission limits on harbor craft auxiliary and propulsion engines. In 2010, CARB amended the regulation to add specific in-use requirements for barges, dredges, and crew/supply vessels and to revise the compliance schedule.

The regulation requires that all in-use, newly purchased, or replacement engines meet USEPA's most stringent emission standards per a compliance schedule set forth by CARB. For harbor crafts with home ports in the SCAQMD, the compliance schedule is accelerated by two years, as compared to state-wide requirements. The revised 2010 regulation required accelerated turnover to Tier 2 and 3 engines for select categories between 2009 and 2022. The CARB compliance schedule for harbor crafts is applied to determine the average model year of the tug assist fleet, ultimately shaping emission factors. In 2022, new amendments were adopted to expand the applicability of the regulation to more vessel types and require cleaner upgrades and newer technology, including adoption of zero emission options where feasible and Tier 3 and Tier 4 engines with diesel particulate filters on all other harbor craft. These amendments also declared that effective January 2023, all CHC operating within regulated California Waters must comply with the renewable diesel fuel requirements as laid forth in Section 93118.5 of the regulation. Similarly, under the amendment, new and newly acquired engines are required to meet the most stringent marine standards (Tier 4 for most applications, and Tier 3 or cleaner for commercial fishing) based on the rule's implementation schedule that begins in 2024 (CARB 2023).

On January 6, 2025, CARB received partial authorization covering most elements of its revised 2022 Commercial Harbor Craft (CHC) Regulation amendments. However, for purposes of the current study, because emissions calculations were completed prior to USEPA's January 2025 granting of a partial waiver under the Clean Air Act, the analysis does not quantify potential reductions benefits of the 2022 CHC rule amendments.

2.4 Local Regulations and Agreements

SCAQMD develops Rules and Regulations to regulate sources of air pollution in the SCAB. SCAQMD's regulatory authority applies primarily to stationary sources. Several of SCAQMD's rules apply to the Proposed Project or alternatives as listed below.

2.4.1 SCAQMD Rule 212 — Standards for Approving Permits and Issuing Public Notice

Rule 212(c) contains standards defining which projects require public notification, which in turn depends on a project's distance from a school and the increases of criteria pollutants and toxic air contaminants (TAC)s proposed in the application. The increase in criteria pollutant emissions will be compared to the daily maximum emissions limits

specified per Rule 212(g). TAC emission increases from the project will be reviewed to determine if the project results in a maximum individual cancer risk (MICR) greater than the one-in-a-million threshold specified in Rule 212(c)(3)(A) (SCAQMD 2019).

The Proposed Project and alternatives would be subject to this rule as the new facility will need an air permit with SCAQMD, however, requirements of this regulation to do not affect the CEQA analysis which covers a different set of thresholds to address health effects (see Appendix B3). In summary, although this regulation is related to the Proposed Project, its effects are not quantified in the air quality or emissions analysis presented here.

2.4.2 SCAQMD Regulation—Prohibition

2.4.2.1 SCAQMD Rule 402 – Nuisance

This rule prohibits discharge of air contaminants or other material that cause injury, detriment, nuisance, or annoyance to any considerable number of persons or to the public; or that endanger the comfort, repose, health, or safety of any such persons or the public; or that cause, or have a natural tendency to cause, injury or damage to business or property (SCAQMD 1976).

2.4.2.2 SCAQMD Rule 403 – Fugitive Dust

This rule prohibits emissions of fugitive dust from any active operation, open storage pile, or disturbed surface area that remains visible beyond the emission source property line. During proposed construction, best available control measures identified in the rule would be required to minimize fugitive dust emissions from proposed earth-moving and grading activities. These measures would include site watering as necessary to maintain sufficient soil moisture content. Additional requirements apply to construction projects on property with 50 or more acres of disturbed surface area, or for any earth-moving operation with a daily earth-moving or throughput volume of 5,000 cubic yards or more three times during the most recent 365-day period. These requirements include submitting a dust control plan, maintaining dust control records, and designating a SCAQMD-certified dust control supervisor (SCAQMD 2005).

The facility is not a large operation due to the estimated site size of less than 50 acres. The facility will ensure the requirements are met with the applicable best available control measures in Rule 403 Table 1.

2.4.2.3 SCAQMD Rule 462 – Organic Liquid Loading

This rule prohibits the loading or unloading of organic liquids or other use or operation of any transport vessel without valid certification of vapor integrity as defined by the Air Resources Board Certification and Test Procedures, pursuant to Health and Safety Code (HSC) §41962(g) (SCAQMD 1999).

2.4.2.4 SCAQMD Rule 463 – Organic Liquid Storage

This rule prohibits the storage, placement, nor holding of a storage tank with the capacity of 150,000 liters (39,630 gallons) or greater, organic liquid with a true vapor pressure of 25.8 mm Hg (0.5 psi) or greater or tanks with the capacity of 75,000 liters (19,815 gallons) with a true vapor pressure of 77.5 mm Hg (1.5 psi) or greater under actual storage conditions unless such tank is a pressure tank able to maintain working pressures to prevent organic vapor loss or designed and equipped with the listed vapor control

devices (External Floating Roof, Internal Floating-Type Cover, Vapor Recovery System) or an equivalent after review of the District, CARB, and USEPA (SCAQMD 2023a).

2.4.2.5 SCAQMD Rule 466.1 – Valves and Flanges

This rule prohibits the use of valves or flanges in reactive organic compound services unless they are maintained in order to prevent leakage or more than three drops per minute nor visible liquid mist during both operation and nonoperation (SCAQMD 1984).

2.4.2.6 SCAQMD Rule 467 – Pressure Relief Devices

This rule prohibits the use of any pressure relief device on any equipment handling VOCs for the operator of a refinery or chemical plant unless the devise is vented to a vapor recovery or disposal system or inspected and maintained in accordance with the specification of this rule (SCAQMD 1982).

2.4.3 SCAQMD Regulation XI – Source Specific Rules

2.4.3.1 Rule 1142 – Marine Tank Vessel Operations

This rule prohibits the loading, lightering, ballasting or housekeeping events while marine tanks are in South Coast waters unless: (1) emissions of VOCs are limited to 5.7 grams per cubic meters (2 lbs per 1,000 barrels) or liquid loaded into marine tank vessels; or (2) The emissions of VOC compounds are reduced by at least 95 percent by weight from uncontrolled conditions (SCAQMD 1991).

The Proposed Project and alternatives would be subject to rules described under Regulation XI as the facility will need an air permit with SCAQMD. The control requirements of these rules are reflected in the emissions calculations for Stationary Sources described in Section 5.5 of this appendix.

2.4.3.2 Rule 1173 – Control of Volatile Organic Compound Leaks and Releases from Components at Petroleum Facilities and Chemical Plants

This rule requires that any liquid or gas leak over 50,000 ppm detected by AQMD inspection shall constitute a violation of this rule and any major gas leak detected by AQMD inspection, within any continuous 24-hour period, and numbering in excess of the Leak Thresholds for the component list in Table 1 below shall constitute a violation of this rule. Additionally, open-ended lines and valves located at the end of lines shall be sealed with a blind flange, plug, cap, or a second closed valve at all times except during operations requiring process fuel flow through the open-ended line (SCAQMD 2009).

TABLE 1. LEAK THRESHOLDS

Component	Max. No. of Leaks (200 or less components inspected)	Max. No. of Leaks (over 200 components inspected)
Valves	1	0.5% of number inspected
Pumps	2	1% of number inspected
Compressors	1	1
PRDs	1	1
Other Components	1	1

The maximum number of leaks in Table 1 shall be rounded upwards to the nearest integer, where required.

2.5 LAHD Emission Reduction Programs

The Los Angeles Harbor Department (LAHD) has developed several programs designed to reduce pollution from mobile sources associated with Port operations. Programs pertinent to the Proposed Project and alternatives are listed below.

2.5.1 San Pedro Bay Ports Clean Air Action Plan

The Ports of Los Angeles and Long Beach, with the participation and cooperation of USEPA, CARB, and SCAQMD staff, developed the San Pedro Bay Ports Clean Air Action Plan (CAAP), a planning and policy document that sets goals and implementation strategies to reduce air emissions and health risks associated with port operations while allowing port development to continue (POLA and POLB 2006). In addition, the CAAP sought the reduction of criteria pollutant emissions to the levels that ensure port-related sources decrease their "fair share" of regional emissions to enable the SCAB to attain state and federal ambient air quality standards. Each individual CAAP measure is a proposed strategy for achieving these emissions reductions goals. The ports approved the first CAAP in November 2006. The CAAP was subsequently updated in 2010 (POLA and POLB 2010) and again in 2017 (POLA and POLB 2017). Specific strategies to significantly reduce the health risks posed by air pollution from port-related sources contained in the CAAP include:

- Aggressive milestones with measurable goals for air quality improvements;
- Specific goals set forth as standards for individual source categories to act as a guide for decision-making;
- Technology advancement programs to reduce emissions; and
- Public participation processes with environmental organizations and the business communities.

The CAAP focuses primarily on reducing DPM, as well as NO_X and SO_X. DPM reduction reduces emissions and health risk and thereby allows for future port growth while progressively controlling the impacts associated with growth. The CAAP includes emission control measures as proposed strategies that are designed to further these goals, expressed as Source-Specific Performance Standards, which may be implemented

through the environmental review process, or could be included in new leases or port-wide tariffs, memorandums of understanding (MOU)s, voluntary action, grants, or incentive programs.

The CAAP Update adopted in November 2010 includes updated and new emission control measures as proposed strategies that support the goals expressed as the Source-Specific Performance Standards and the Project-Specific Standards. In addition, the CAAP Update includes the recently developed San Pedro Bay Standards, which establish emission and health risk reduction goals to assist the ports in their planning for adopting and implementing strategies to significantly reduce the effects of cumulative port-related operations (POLA and POLB 2010).

The goals set forth as the San Pedro Bay Standards, as part of the 2010 CAAP update, are the most significant addition to the CAAP and include both a Bay-wide health risk reduction standard and a Bay-wide mass emission reduction standard. Ongoing port-wide CAAP progress and effectiveness is measured against these Bay-wide Standards, which consist of the following reductions as compared to 2005 emissions levels:

- Health Risk Reduction Standard: 85 percent reduction in DPM by 2020; and
- Emission Reduction Standards:
  - By 2014, reduce emissions by 72 percent for DPM, 22 percent for NO_X, and 93 percent for SO_X.
  - By 2023, reduce emissions by 77 percent for DPM, 59 percent for NO_X, and 92 percent for SO_X.

The Project-Specific Standard remains as adopted in the original CAAP in 2006, requiring that new projects fall below the 10 in 1,000,000 excess residential cancer risk threshold, as determined by health risk assessments conducted subject to CEQA statutes, regulations, and guidelines, and implemented through required CEQA mitigations and/or lease negotiations. Although each port has adopted the Project-Specific Standard as a policy, the LAHD Board of Harbor Commissioners (BOHC) retains the discretion to consider and approve projects that exceed this threshold if the BOHC deems it necessary by adoption of a statement of overriding considerations at the time of project approval.

The goals set forth as the Source-Specific Performance Standards of the CAAP address a variety of port-related emission sources — ships, trucks, and harbor craft — and outline specific strategies to reduce emissions from each source category. The Source-Specific Performance Standards have been updated as detailed in Section 2 of the CAAP Update, and the applicable emission control measures (as detailed in Section 4 of the CAAP Update) for the Proposed Project and alternatives are discussed below.

Although LAHD has adopted a general policy that its leases will be compliant with the CAAP, the BOHC has discretion regarding the form of all lease provisions and CAAP measures at the time of lease approval. In addition, tenants must comply with all applicable federal, state, and local air quality regulations.

As the CAAP is a planning document that sets goals and implementation strategies to guide future actions, it does not constrain the discretion of the BOHC as to any specific future action. Each individual CAAP measure is a proposed strategy for achieving necessary emission reductions. The BOHC uses its discretion in its approvals of projects, leases, tariffs, contracts, or other implementing activities in order to appropriately apply the CAAP to the particular situation and may make adjustments if any proposed measure proves infeasible or if better alternatives for a measure emerge.

2.5.1.1 CAAP Measure — SPBP-OGV1, Vessel Speed Reduction Program

Under this voluntary program, LAHD has requested that ships coming into the Port reduce their speed to 12 knots or less within 20 nm of the Point Fermin Lighthouse. Reduction in speed demands less power from the main engine, which in turn reduces fuel usage and emissions. This reduction of 3 to 10 knots per ship (depending on the ship's cruising speed) can substantially reduce emissions from the main propulsion engines of the ships. The program started in May 2001. The CAAP adopted the Vessel Speed Reduction Program (VSRP) as control measure OGV1 and expanded the program out to 40 nm from the Point Fermin Lighthouse in 2008.

2.5.1.2 CAAP Measure — SPBP-OGV2, Reduction of At-Berth OGV Emissions

This measure requires the use of shore power to reduce hoteling emissions at all container and cruise terminals by 2014. This measure also requires demonstration and application of alternative emissions reduction technologies for ships that are not viable candidates for shore power, to be facilitated through the Technology Advancement Program (TAP).

2.5.1.3 CAAP Measures — SPBP-OGV3 and 4, OGV Low Sulfur Fuel for Auxiliary Engines, Auxiliary Boilers, and Main Engines

This measure originally required the use of 0.2 percent or lower sulfur distillate fuels in the auxiliary engines, auxiliary boilers, and main engines of OGVs within 40 nm of Point Fermin and while at-berth. As of January 1, 2014, CARB's regulation surpasses these CAAP measures by requiring the use of MGO and MGO with a sulfur fuel content of 0.1 percent within 24 nm of the California coastline. The analysis assumes compliance with CARB's regulation.

2.5.1.4 CAAP Measure — SPBP-OGV5 and 6, Cleaner OGV Engines and OGV Engine Emissions Reduction Technology Improvements and Environmental Ship Index Program

Measure OGV5 seeks to maximize the early introduction and preferential deployment of vessels to the San Pedro Bay Ports with cleaner/newer engines meeting the new IMO NO_X standard for ECAs. Measure OGV6 focuses on reducing DPM and NO_X from older vessels in the fleet through identification and deployment of effective emission reduction technologies.

In order to advance the goals of OGV5 and 6, LAHD approved the voluntary Environmental Ship Index (ESI) Program in May 2012. The ESI Program is an international clean ship indexing program developed through the International Association of Ports and Harbors' World Ports Climate Initiative. Operators registered under this program earn an ESI score for their vessels by using cleaner technology and practices that reduce emissions beyond the regulatory requirements set by IMO. The ESI Program rewards vessel operators for reducing NO_X, SO_X, and GHG emissions in advance of regulatory requirements. The ESI Program also rewards vessel operators for bringing their newest and cleanest vessels to the Port and demonstrating technologies onboard their vessels. This program became effective in July 2012.

2.5.1.5 CAAP Measure — SPBP-HC1, Performance Standards for Harbor Craft

The measure calls for repowering all harbor craft home-based in the San Pedro Bay to Tier 3 within five years after Tier 3 engines become available. The measure also requires the use of shore power. In addition, LAHD plans to accelerate harbor craft emission reductions through emerging technologies, such as hybrid tugs, more efficient engine configurations, and alternative fuels, through incentives or voluntary measures.

2.5.1.6 CAAP Measure — SPBP-HDV1, Performance Standards for On-Road Heavy-Duty Vehicles; Clean Trucks Program

The Port Clean Trucks Program (CTP) is a central element of the CAAP. The CTP established a progressive ban on polluting trucks. As of January 1, 2012, all trucks that did not meet the 2007 Federal Clean Truck Emissions Standards were banned from the Port. Following full implementation in 2014, Port truck emissions were reduced by more than 90 percent for DPM, PM and SO_X, and by 71 percent for NO_X (LAHD 2014a).

For purposes of this analysis, the emission estimates do not consider the benefits of these CAAP measures, except for SPBP-OGV3 and 4 (Low Sulfur Requirements) and SPBP-OGV1 (VSRP) where current (as of 2021) levels of compliance/voluntary action are assumed to remain constant in future years.

2.5.1.7 2017 CAAP Update

The latest CAAP Update (LAHD 2017), adopted in November 2017, re-affirms the Ports' commitment to the goals and standards of previous CAAP versions, but also introduces new goals, standards, and programs. The 2017 CAAP Update incorporates two new emission reduction targets:

- Reduce GHG from port-related sources to 40percent below 1990 levels by 2030; and
- Reduce GHGs from port-related sources to 80percent below 1990 levels by 2050.

The 2017 update retains the reduction targets for emissions of diesel particulates, nitrogen oxides, and sulfur oxides set in the 2010 update. It also retains the health risk reduction goals set by the 2010 update, re-affirms the Ports' commitment to those goals, and further commits the Ports to working with regulators and stakeholders toward further reductions in emissions and health risks.

In addition, the 2017 CAAP Update incorporates the recent commitment by the mayors of Los Angeles and Long Beach to move towards zero emissions at the Ports, including setting goals of zero-emissions cargo-handling equipment by 2030 and zero-emissions heavy-duty trucks by 2035. Accordingly, the updated CAAP includes provisions for new investments in clean technology, expanded use of at-berth emission reduction technologies, and a zero-emissions heavy-duty truck pilot program. The updated CAAP also includes a CAAP Implementation Stakeholder Advisory Group to advise the Ports on details of CAAP implementation and ongoing operational efficiency and energy conservation programs; a commitment to the nationwide Green Ports Collaborative; and a commitment to a joint effort to secure funding for necessary equipment purchases and infrastructure development.

2.5.2 LAHD Sustainable Construction Guidelines

As part of LAHD's overall environmental goals and CAAP strategies, any construction at the Port must follow the Sustainable Construction Guidelines, adopted in February 2008 (LAHD 2009). The guidelines reinforce and require sustainability measures under construction contracts, addressing a variety of emission sources that operate at the Port during construction. Examples include ships and barges used to deliver construction related materials, harbor craft, dredging equipment, haul and delivery trucks, and off-road construction equipment. In addition, the LAHD Construction Guidelines include Best Management Practices (BMP)s based on CARB-verified BACT, designed to reduce air emissions from construction sources.

3.0 Emissions Analysis Introduction

Emissions were calculated from all activities related to construction and operation of the Proposed Project. Construction emissions were calculated for each year of construction activity (2024 through 2029). Operational emissions are analyzed for years 2021, 2027, and 2057 which correspond to the baseline year, the year when Proposed Project operations begin, and a future year selected for the purpose of the health risk analysis, respectively. It was assumed that full operations would commence in 2027 and continue on at the same activity level for the life of the Proposed Project (assumed for the purposes of emissions calculations to be through 2057). The methodology used for calculating emissions for the various construction and operational sources at Berths 148-151 terminal is discussed below.

4.0 Methodology for Determining Construction Emissions

Demolition and reconstruction of Berths 148-151 Phillips 66 wharf structures in compliance with the State of California's Marine Oil Terminal Engineering and Maintenance Standards (MOTEMS), as described in the Project Description of this Draft EIR, would result in emissions of: 1) engine exhaust from off-road construction equipment; 2) engine exhaust from harbor craft used to position in-water construction equipment; 3) engine exhaust, tire wear, brake wear, and road dust from construction and worker vehicles; and 4) on-site fugitive emissions associated with grading, debris and soil handling, and minor paving activities.

Emissions were first calculated for individual equipment (i.e., construction equipment and harbor craft engine exhaust) and individual activities (i.e., road dust, grading, material handling, paving). Equipment and activities that would occur at the same time were then added to calculate a peak day and annual emissions. Peak hour emissions were calculated by dividing peak day emissions by 8 hours per day for construction equipment, vehicles, and fugitive dust. Peak hour emissions for harbor craft were calculated by dividing the peak day emissions by a composite utilization factor of 1.3 hours per day; this factor was calculated based on the anticipated utilization of each type of harbor craft in each construction task, the number of engines on each harbor craft, engine size, and load factors.

Table B1-1 summarizes regulations affecting construction equipment emission factors. Current in-place regulations are treated as default project elements rather than mitigation because they represent enforceable rules, with or without BOHC approval of the Proposed Project.

Table B1-1. Regulations and Agreements Assumed as Part of the Construction Emissions Analysis

Off-road Construction Equipment	On-Road Trucks	Tugboats/Harbor Craft	Fugitive Dust
USEPA Emission Standards for Nonroad Diesel Engines: Tier 1, 2, 3, and 4 standards gradually phased in over all years due to normal construction equipment fleet turnover. **CARB In-Use Off-road Diesel Vehicle Regulation:** Off-road mobile equipment powered by diesel engines 25 horsepower or larger are required to meet the fleet average or BACT requirements for NO_X and PM emissions. **California Diesel Fuel Regulation**: 15-ppm sulfur. **CARB Portable Diesel-Fueled Engines Air Toxic Control Measure (ATCM)**: Portable engines having a maximum rated horsepower of 50 brake horsepower (bhp) and greater and fueled with diesel must meet weighted fleet average PM emission standards. **LAHD Sustainable Construction Guidelines**: Idling restricted to maximum 5 minutes when not in use. All off-road diesel-powered construction equipment greater than 50hp must meet Tier-4 off-road.emission standards at a minimum.	**USEPA Emission Standards for On-Road Trucks**: Increasingly stringent engine standards phased in due to truck turnover. **CARB Heavy Duty Diesel Vehicle Idling Emission Reduction**: Diesel trucks are subject to idling limits when not being used to power concrete mixing, water pumps, etc. **CARB Statewide Truck and Bus Regulation**: Trucks less than 26,000 GVWR are required to replace engines with 2010+ engines by January 2023. Trucks with GVWR greater than 26,000 must meet PM BACT and upgrade to a 2010+ model year emissions equivalent engine pursuant to the rule compliance schedule. **California Diesel Fuel Regulation**: 15-ppm sulfur. **LAHD Sustainable Construction Guidelines:** Idling is restricted to 5 minutes when not in use. On-road trucks must comply with USEPA 2007 on-road emission standards for PM_{10} and NOx (0.01 g/bhp-hr and at least 1.2 g/bhp-hr respectively).	**California Diesel Fuel Regulation:** 15-ppm sulfur. **2011 CARB Regulation to Reduce Emissions from Diesel Engines on Commercial Harbor Craft**: Harbor craft are subject to engine replacement/retrofit schedule set forth by CARB. **LAHD Sustainable Construction Guidelines:** Harbor craft with C1 or C2 engines must utilize USEPA Tier 3 or cleaner engines.	**SCAQMD Rule 403 Compliance**: 61 percent reduction in fugitive dust via watering two to three times per day. **LAHD Sustainable Construction Guidelines:** Active grading sites are subject to watering 3 times a day. Soil disturbance activities are subject to suspension when winds exceed 25mph.

Construction of the Proposed Project would consist of construction phases and tasks shown in the construction emissions inventory tables (Section 8.0), based on construction design information provided by the tenant (Phillips 66 2020). Emission source characterization, activity, emission factors, and calculation methodology are discussed in Sections 4.1 through 4.4.

4.1 Construction Equipment

Construction equipment would operate on-site and would include, but not be limited to, cranes, forklifts, generators, and excavators. Engine exhaust emissions for each piece of construction equipment were calculated by multiplying the equipment power by activity, load factor, and emission factors. Activity, load factor, and emission factors for construction equipment is summarized in the construction emissions inventory tables (Section 8.0). The following information was used in calculating emissions:

- All construction equipment was assumed to operate using diesel fuel because the overwhelming majority of construction equipment are diesel-fueled.
- Construction equipment type, quantity, hours of operation, and equipment size (horsepower) were provided by Tenant (Phillips 66 2020).
- Engines do not generally operate at their full rated power. Engine load factors, the ratio of average power used during normal operations to maximum rated power, were obtained from Appendix G, Table G-12, of CAPCOA's California Emissions Estimator Model (CalEEMod) (CAPCOA 2022).
- Criteria pollutant emission factors for USEPA Tier 4 engines were used to calculate emissions for land-based equipment and emission factors for Tier 3 engines were used to calculate emissions for equipment mounted on marine barges, per the LAHD Sustainable Construction Guidelines (LAHD 2009) and communication with LAHD staff. Emission factors associated with Tier 4 and Tier 3 engines were obtained from CalEEMod's Appendix G, Table G-13 (CAPCOA 2022). The use of these emission factors is conservative because the factors reflect emission standards, which represent the maximum allowable emission factors.
- USEPA engine standards do not have requirements for SO_x. SO_x emissions are dependent on the sulfur content of fuel; the fuel sulfur content limits for California off-road diesel are specified in the California Diesel Fuel Regulation (CARB 2010). The required fuel sulfur content has been 15 ppm since September 1, 2006. The SOx emission factor was calculated using this fuel sulfur content and the brake-specific fuel consumption (BSFC) rate from the CARB Emission Factors Off-road Diesel Emission Factors (CARB 2017). The SO_x emission factor was calculated by multiplying the BSFC rate by the fuel sulfur content and dividing it by the ratio of molecular weights of sulfur-to-sulfur dioxide.

USEPA engine standards do not have requirements for GHG emissions. GHG emission factors were obtained from the 2022 Climate Registry Default Emission Factors (TCR 2022). These factors were converted from mass per fuel volume to mass per horsepower-hours using BSFC obtained from CARB Emission Factors Off-road Diesel Emission Factors (CARB 2017). These factors are presented in the construction emissions inventory tables (Section 8.0).

4.2 Harbor Craft

Harbor craft, such as tugboats, crew boats, and survey boats would be used during construction to assist in construction of structures in or near the water and clean-up dredging. Engine exhaust emissions for each harbor craft engine were quantified by multiplying the engine power by activity, load factor, and emission factors. For Harbor craft engine power, engine model year, load factors, and emission factors see

construction emissions inventory tables (Section 8.0). The following information was used in calculating emissions:

- All harbor craft were assumed to operate using ultra-low sulfur diesel fuel.
- Harbor craft type, hours of operation, and engine sizes were provided by the Tenant (Phillips 66 2020).
- Engine load factors were obtained from the San Pedro Bay Ports Emissions Inventory Methodology Report, Version 3a, Table 3.1 (LAHD 2022a).
- The analysis used emission factors for USEPA Tier 3 engines, per the LAHD Sustainable Construction Guidelines (LAHD 2009). Emission factors for all criteria pollutants except SO_X were based on USEPA Marine Compression-Ignition Engine Standards (USEPA 2020). The use of these emission factors is conservative because the factors reflect the maximum allowable emission factors. Emission factors within the Tier 3 category were identified based on the rated engine power and the engine model year. The average engine model years for main and propulsion engines were obtained from the 2021 Port Emissions Inventory, Tables 4.1 and 4.2, respectively (LAHD 2022b).

The USEPA does not specify Tier 3 standards for SO_X. SO_X emissions are dependent on the sulfur content of fuel; the fuel sulfur content limits for California harbor craft are specified in the California Diesel Fuel Regulation (CARB 2010). The required fuel sulfur content for Port harbor craft has been 15 ppm since September 1, 2006. The SO_X emission factor was calculated using this fuel sulfur content and the BSFC rate from the San Pedro Bay Ports Emissions Inventory Methodology Report, Version 3a, Table 3.4 (LAHD 2022a). The emission factor was calculated by multiplying the BSFC rate by the fuel sulfur content and dividing by the ratio of molecular weights of sulfur and sulfur dioxide. The BSFC, the calculation for calculating the SO_X emission factor, and the emission factor are included in the construction emissions inventory tables (Section 8.0).

4.3 Construction Trucks and Worker Vehicles

Construction trucks would be used to haul materials, soil, and equipment to and from the construction site. Worker vehicles would be used by construction workers to transit to and from the construction site. Off-site and on-site engine exhaust emissions, tire wear, brake wear, and entrained road dust were quantified by multiplying vehicle miles traveled by emission factors discussed below. Engine idling emissions were quantified by multiplying idling time by emission factors discussed below. The following information was used in calculating emissions:

- Although a small percentage (i.e., less than 5 percent) of natural gas and electric trucks would be expected in the fleet mix in future years, emissions were analyzed as if all construction trucks would be diesel-fueled. This is a conservative assumption because diesel trucks produce higher emissions. Worker vehicles were assumed to reflect the fleet mix predicted by CARB in the EMFAC2021 (CARB 2021b) inventory and would include primarily gasoline but also electric, diesel, and hybrid vehicles.
- Vehicle miles traveled, used to quantify off-site transit emissions (i.e., engine exhaust, road dust, tire wear, brake wear, and entrained road dust) for construction trucks, were calculated based on vehicle trips and transit distances for each construction task, which were provided by the Tenant (Phillips 66 2020). The on-site transit distance, used to quantify on-site emissions (i.e., engine exhaust, tire

wear, brake wear, and entrained road dust) for construction trucks, was measured in Google Earth to be 0.14 miles one-way. Vehicle miles traveled used in the analysis are included in the construction emissions inventory tables (Section 8.0).

- Construction trucks were assumed to idle for 5 minutes per call to the construction site, per the LAHD Sustainable Construction Guidelines (LAHD 2009). This information is summarized in the construction emissions inventory tables (Section 8.0).
- The number of worker vehicles and off-site transit distance were used to quantify off-site transit emissions (i.e., engine exhaust, road dust, tire wear, and brake wear), for worker vehicles. The number of worker vehicles was provided by Tenant for each construction task (Phillips 66 2020). A transit distance of 12.62 miles per one-way trip was obtained from CAPCOA's CalEEMod Appendix G, Table G-15 for LA County/South Coast, non-residential home-to-work trips (CAPCOA 2022). This information is summarized in the construction emissions inventory tables (Section 8.0). Worker vehicle activity on-site and associated emissions would be negligible.
- Emission factors for engine exhaust, tire wear, brake wear, and idling associated with construction trucks and worker vehicles were obtained from EMFAC2021 (CARB 2021b). The following vehicle categories were modeled: T6 Instate Delivery Class 6 for delivery trucks, T7 Tractor Class 8 for haul trucks, and LDA/LDT1/LDT2 for worker vehicles. The EMFAC2021 model output shows that emission factors are predicted to decline in future years as older vehicles are replaced with newer, cleaner vehicles that meet the state and federal on-road engine emission standards. This information is summarized in the construction emissions inventory tables (Section 8.0) for worker vehicles, idling of construction trucks, off-site exhaust of construction trucks, and on-site exhaust of construction trucks.

In addition to engine exhaust, entrained dust emissions of PM_{10} and $PM_{2.5}$, associated with vehicle transit on paved roads, were calculated. Off-site and on-site road dust emissions were calculated per CARB's methodology for entrained road travel (CARB 2021c). The CARB methodology: 1) Uses equations derived by the USEPA in the AP-42, Chapter 13.2.1, which correlate emissions with vehicle weight and roadway silt loading (USEPA 2011b); 2) Updates USEPA silt loading to better reflect California roadways; and 3) Identifies the fraction of travel by roadway on California roadways. A composite silt loading factor for off-site transit was calculated based on silt loading factors and the fraction of travel along different types of roadways. The silt loading factor for on-site transit was obtained from Table 3.c.3 of the CARB methodology for local roadways in Los Angeles County. This information is summarized in the construction emissions inventory tables (Section 8.0). Off-site and on-site road dust emissions were quantified for construction trucks. Off-site road dust emissions were quantified for worker vehicles; on-site transit of worker vehicles would be negligible.

4.4 On-Site Fugitive Emissions

Dust emissions would result from on-site activities associated with demolition debris, soil handling, and grading activities. VOC emissions would result from minor on-site asphalt paving.

- Approximately 2.2 acres would be graded and then paved at the end of construction (Phillips 66 2020). Dust emissions associated with grading activities

were calculated using CAPCOA's CalEEMod 2022, Appendix C, Section 4.4.1 (CAPCOA 2022). The CalEEMod methodology is based on the methodology developed by the USEPA in AP-42 Section 11.9 (USEPA 1998) which correlates emissions not to the dimensions of the graded area but to the total acres graded. The USEPA methodology defined total acres graded as the number of acres a given piece of equipment can pass over in an 8-hour day. CalEEMod Appendix G identifies the maximum number of acres specific construction equipment can grade in an 8-hour workday (CAPCOA 2022). The construction emissions inventory tables (Section 8.0) shows the equations and variables used in deriving PM_{10} and $PM_{2.5}$ emission factors associated with grading activities. A control efficiency of 74percent was included in the analysis to reflect watering 3 times per day, per LAHD Sustainable Construction Guidelines (LAHD 2009).

- VOC emissions associated with asphalt paving of the graded area were calculated per the equation presented in CAPCOA's CalEEMod 2022, Appendix C, Section 4.9 (CAPCOA 2022). The CAPCOA methodology uses a default emission factor of 2.62 lb/acre for paving activities. Emissions were calculated by multiplying this emission factor by the 2.2 anticipated acres to be paved provided by Tenant (Phillips 66 2020). This documentation is shown in the construction emissions inventory tables (Section 8.0).
- Activities not specifically identified as grading by the Tenant but that would include the use of grading and scraping construction equipment, were treated as bulldozing activities for the purpose of this analysis. Dust emissions associated with these activities were calculated using CAPCOA's CalEEMod 2022, Appendix C, Section 4.4.2 (CAPCOA 2022). The CalEEMod methodology is based on the methodology developed by the USEPA in AP-42 Section 11.9 (USEPA 1998) which correlates emissions to hours of operation, material moisture content and material silt content. The emission factor equation, moisture content, and silt content are presented in the construction emissions inventory tables (Section 8.0). Emissions were calculated by multiplying the hours of equipment operation for each construction task with relevant equipment by the emission factor. A control efficiency of 74 percent was included in the analysis to reflect watering 3 times per day, per LAHD Sustainable Construction Guidelines (LAHD 2009).
- Dust emissions associated with handling and loading soils on, or off haul trucks were calculated using CAPCOA's CalEEMod 2022, Appendix C, Section 4.4.3 (CAPCOA 2022). The CalEEMod methodology is based on the methodology developed by the USEPA in AP-42 Chapter 13.2.4, Aggregate Handling and Storage Piles (USEPA 2006) which correlates PM_{10} and $PM_{2.5}$ fugitive dust emissions to the amount of material handled, wind speed, and material moisture content. The construction emissions inventory tables (Section 8.0) present the equation and the parameters used to quantify the PM_{10} and $PM_{2.5}$ emission factors. Emissions were calculated by multiplying these emission factors by the amount of material handled for each relevant construction task, provided by the Tenant (Phillips 66 2020), and presented in the construction emissions inventory tables (Section 8.0).
- Dust emissions associated with debris loading were calculated using CAPCOA's CalEEMod 2022, Appendix C, Section 4.5.2 (CAPCOA 2022). The CalEEMod methodology correlates PM_{10} and $PM_{2.5}$ fugitive dust emissions to the volume or mass of debris loaded to haul trucks. The construction emissions inventory tables (Section 8.0) presents the equation and the parameters used to quantify PM_{10} and

$PM_{2.5}$ emission factors. Emissions were calculated by multiplying these emission factors by the number of debris handled, provided by the Tenant (Phillips 66 2020) for each relevant construction task and presented in the construction emissions inventory tables (Section 8.0).

5.0 Methodology for Determining Operational Emissions

Operational emissions are associated with the following sources: (1) tankers and barges, which consist of tanker vessels, articulated tug-barges (ATB), bunkering barges, ocean-going barges, and barge-mounted, CARB-approved emission control systems (CAECS) used for compliance with the CARB At-Berth Regulation; (2) assist tugboats; (3) hauling trucks; (4) onsite stationary sources in the terminals and tank farms; and (5) worker vehicles. These sources generate emissions in the form of CO, VOC, NO_X, SO_X, PM_{10}, $PM_{2.5}$, and DPM as well as GHGs (carbon dioxide [CO_2], methane [CH_4], and nitrous oxide [N_2O]). DPM represents particulate exhaust emissions from diesel-fueled internal combustion engines.

Information regarding the activity and characteristics of proposed operational emission sources was obtained primarily from POLA staff, Phillips 66 ("the tenant") representatives, the 2021 Port Emissions Inventory (LAHD 2022b) and the San Pedro Bay Ports Emissions Inventory Methodology Report (LAHD 2022a).

Peak activity and utilization assumptions used to estimate peak daily operational emissions for comparison to SCAQMD emission thresholds represent upper-bound estimates of activity levels; these levels would occur infrequently, and, therefore, represent a conservative set of assumptions. For the 2021 Baseline, vessel call records provided by Phillips 66 were used to identify the 24-hour period of maximum activity. Future year Proposed Project peak-day operational emissions were calculated based on a reasonably foreseeable maximum level of activity during any given 24-hour period based on vessel operational parameters and other logistical considerations. The future year peak day operational scenario was determined in consultation with POLA and Phillips 66. Peak day activity levels are described in Section 5.1.

Annual total activity for the 2021 Baseline and future annual activity forecasts by Proposed Project design were used to estimate total annual emissions which are used for calculating annual criteria pollutant and GHG emissions and annual energy consumption. Annual activity for 2021 was based on recorded vessel call and product throughput data provided by Phillips 66 and POLA as described in Chapter 2 (Project Description). Annual activity for Proposed Project operations in future years was assumed to remain constant at the maximum vessel call and throughput levels described in the project description starting with the first year of Proposed Project operations (2027). Given that the At-Berth Regulation enforcement begins in 2025 and the current status of available barge-based emissions capture and control systems, Phillips 66 proposes to use the "low-use" terminal exception (i.e., 19 visits or fewer per year) provided in the At-Berth Regulation for five years (2025-2029), with the ability to proceed with operations of up to a maximum of 75 vessels prior to 2029 if the barge-based emissions capture and control system is available. Operations under the low-use terminal exception provision would have uncontrolled emissions. However, in order to provide a conservative environmental analysis, operations of up to a maximum of 75 vessels per year (using a barged-based emissions capture and control system) were assumed in developing the

annual emissions estimates (details are provided in Section 5.1 below). As demonstrated in Section 5.1.6 below, this approach results in greater annual emissions than would occur under an operational scenario in which the low-use terminal exception is utilized. Nevertheless, operations for the estimated maximum of 75 tanker vessels per year are not expected to be initiated until an approved barge-based emissions capture and control system becomes available.

Table B1-2 summarizes the key regulations assumed in the future operational emissions calculations for all scenarios. Current in-place regulations are treated as default project elements rather than mitigation because they represent enforceable rules, with or without approval of the Proposed Project.

Table B1-2. Key Regulations and Agreements Assumed as Part of the Operational Emissions[a]

Ocean Going Vessels	Tugboats	Trucks	Miscellaneous Sources[b]
MARPOL Annex VI: 0.1percent sulfur limit for fuels, beginning in 2015 (200 nm of CA coast). NO_X engine emission limits for new engines.[a] **USEPA Engine Standards for Marine Diesel Engines:** NO_X, HC, and CO engine emission standards for new engines.[b] **CARB Airborne Toxic Control Measure for Fuel Sulfur and Other Operational Requirements for Ocean-Going Vessels Within California Waters and 24 Nautical Miles of the California Coast:** Limits sulfur content for marine gas oil or marine diesel oil to 0.1 percent sulfur by January 2014. **CAAP Vessel Speed Reduction Program:** 95 percent compliance to 20 nm. **CARB OGV At-Berth Regulation:** Requires controlling emissions from tanker auxiliary engines while hoteling	**USEPA Engine Standards for Marine Diesel Engines:** NO_X, HC, and CO engine emission standards for new engines. **CARB Regulation to Reduce Emissions from Diesel Engines on Commercial Harbor Craft:** Requires that harbor craft engines meet USEPA's most stringent emission standards per an accelerated, rule-specified compliance schedule. **California Diesel Fuel Regulation:** 15 ppm sulfur.	**USEPA Emission Standards for On-Road Trucks**: Increasingly stringent engine standards phased in due to truck turnover. **CARB Heavy Duty Diesel Vehicle Idling Emission Reduction**: Diesel trucks are subject to idling limits when not being used. **CARB Statewide Truck and Bus Regulation**: Trucks less than 26,000 GVWR are required to replace engines with 2010+ engines by January 2023. Trucks with GVWR greater than 26,000 must meet PM BACT and upgrade to a 2010+ model year emissions equivalent engine pursuant to the rule compliance schedule. **California Diesel Fuel Regulation**: 15-ppm sulfur.	**SCAQMD Rules and Regulations:** Rule 463 – Organic Liquid Storage. Rule 466.1 – Valves and Flanges. Rule 467 – Pressure Relief Devices. Rule 1173 – Control of VOC Leaks and Releases from Components at Petroleum Facilities and Chemical Plants.

Ocean Going Vessels	Tugboats	Trucks	Miscellaneous Sources[b]
at-berth by 2025 for POLA and Port of Long Beach (POLB).			

Notes:
[a] This table is not a comprehensive list of all applicable regulations; rather, the table lists key regulations and agreements that substantially affect the emission calculations for the Proposed Project.
[b] Emissions from miscellaneous stationary sources at the terminal were obtained from SCAQMD annual emission reports. It is assumed that these sources comply with all applicable SCAQMD stationary source regulations although not all of the listed regulations are necessarily applicable to sources located at the terminals.

5.1 Tanker Vessels and Barges

Tankers, vessels, and barges operating at the Berths 148-151 terminal consist of tanker vessels of different sizes (Handymax, Panamax, Aframax, and Chemical), ATBs, ocean-going barges, bunkering barges, and CAECS barges used to comply with the CARB At-Berth Regulation. ATBs are barges that consist of a tank vessel (barge) and a tug that is positioned in a notch in the stern of the barge, which enables the tug to propel and maneuver the barge. Ocean-going barges are not self-propelled (no main engine) but are instead pushed or pulled by separate tugboats, similar to ATBs. Bunkering barges are fuel delivery barges which are loaded with marine distillate fuel at the terminal and are then pushed/pulled by a tugboat to a vessel in the Port that requires fueling. CAECS barges carry equipment used to capture and control emissions from tanker vessels while at-berth.

Tanker, vessel, and barge emissions were calculated for each engine type in the vessels (boiler, main propulsion engine, auxiliary engine, and pumps) and by activity and location where emissions take place. Tankers generate emissions associated with main engines, auxiliary engines, and boilers; ATBs generate emissions from main engines (in the articulated tug), auxiliary engines, and pumps. Ocean-going barges generate emissions from main engines (in the push/pull tugboat), auxiliary engines, and pumps. CAECS barges generate emissions from on-board diesel generators. Proposed Project emissions associated with bunkering barge activity result from on-board auxiliary engines and the tugboats used to pull/push the barges, bunker barge pumps are not used during loading at the terminal; instead, the terminal's shore-side facilities are used. Emissions for all vessels were calculated during transit, hoteling at-berth, and anchorage. Vessel emissions were analyzed for the 2021 Baseline and two future years, 2027 (first year of full operations) and 2057 (30 years from start of operations).

Activity assumptions for the 2021 Baseline were based on actual 2021 vessel call records for Berths 148-151. These records provide vessel characteristics, including type of vessel, main engine horsepower, model years, engine tier levels, anchorage information, vessel cruising speeds, etc. Any missing parameters in the call data were backfilled with data from the 2021 Port Emissions Inventory (LAHD 2022b). Tanker vessel and barge activity in 2021 consisted of 291 vessel calls to berth; the annual vessel fleet mix in 2021 included 15 tankers, 42 ocean-going barges and ATBs, and 234 bunkering barge visits. Under the Proposed Project, annual vessel calls are projected to potentially increase up to 371 annual calls, and the mix of vessels will remain similar but will include occasional visits by Aframax class tanker vessels. The forecasted annual activity for the Proposed Project includes 75 tankers, 87 ocean-going barges and ATBs, and 209 bunkering barge

visits. The tanker vessel and barge tables section of this appendix includes more detail on annual vessel call characteristics during the 2021 Baseline and Proposed Project future years.

The 2021 Baseline peak-day activity consisted of a Handysize tanker at anchorage for 10 hours and then transiting to berth where it discharged for 13 hours, a bunkering barge transiting to berth for 4 hours and then leaving, and an ATB at-berth for 4 hours before leaving. Under the Proposed Project, a reasonable future peak day would consist of an Aframax tanker discharging at-berth for 18 hours and then leaving to transit for 5 hours, a Handymax tanker that was waiting at the anchorage for 18 hours then taking its place for the last 5 hours after an hour of transit to the berth, and an ocean-going barge transiting for 4 hours before arriving at anchorage and staying 20 hours. This peak day tanker vessel and barge activity during the Proposed Project is conservative because it assumes the largest possible tanker at-berth and in transit, a tanker and ocean-going barge at anchorage, and assumes peak-day hoteling emissions are uncontrolled, i.e., the peak day is assumed to be associated with a VIE and TIE during which at-berth controls are not used as allowed under the CARB At-Berth Regulation (CARB 2020). Activity inputs for tanker vessel and barge calculations are summarized in detail in the tanker vessel and barge tables (Section 8.0).

5.1.1 Tanker Vessel and Barge Emission Factor Assumptions:

- Emission factors for propulsion engines, auxiliary engines, and auxiliary boilers were obtained from the San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022 (LAHD 2022a), which includes criteria pollutant and greenhouse gas emission factors by tier level, fuel sulfur content, and engine type (medium vs slow speed) for auxiliary engines and propulsion engines, along with boiler emission factors.
- It was assumed that propulsion engines on tankers and ocean-going barges are slow speed diesels and medium speed on ATBs; auxiliary engines on tankers and ocean-going barges are medium speed diesels and high speed on ATBs.
- Emission factors for propulsion and auxiliary engines are dependent upon engine tier, which in turn is dependent upon engine model year. Call records for 2021 include engine tier information for tankers and ATBs and were used to represent the age of vessels calling during the 2021 Baseline. In cases where engine tier information was not provided, the age of vessels was determined from keel dates or model year information in the vessel call data records in 2021. It was assumed that the main engine tier is the same as the auxiliary engine tier.
- As described in Chapter 2 (Project Description), Aframax tankers, not present during 2021 Baseline, would visit the MOT under the Proposed Project. The vessel characteristics for Aframax (propulsion engine size, rated speed, auxiliary engine loads) were obtained from the 2021 Port Emissions Inventory (LAHD 2022b). Due to the limited number of Aframax vessels visiting any terminal at POLA in the past years (4 visits between 2018 and 2019), the tier mix for Aframax vessels was obtained from a worldwide vessel database (IHS Fairplay 2020) and web search to better represent the potential tier mix of future Aframax vessels visits. This approach is conservative as the vessels that have visited the Port in the last two years have all been Tier 2, while the worldwide vessel fleet includes a mixture of older and newer vessels.

- The analysis conservatively assumed that there would be no turnover of older to newer tanker vessels or barges visiting the MOT in future years.
- For both baseline and future years, 0.1 percent fuel sulfur content was assumed for peak day and annual ship calls as per CARB regulation (CARB 2011a).
- Slide valve information (percent of vessels with slide valves) was obtained from Wharfingers data for 2021 and assumed to remain the same in all future years under the Proposed Project. The percentage of slide valves in Aframax vessels was assumed to be the same as in Panamax vessels.
- Adjustment factors by percentile load were applied to the main engine emission factors to account for different transit speeds; and therefore, propulsion engine loads. Per CARB guidance, load adjustments used represent engines of manufacturer MAN (CARB 2016b). MAN engine load adjustments take into consideration the effects of slide valves. The adjustment factors are summarized in the tanker and barges operational emissions inventory tables (Section 8.0) and were obtained from the San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022 (LAHD 2022a).
- Vessel characteristics are used consistently for the annual and peak day calculations.

5.1.2 Tanker Vessel and Barge Engine and Boiler Assumptions:

- Baseline and future year maximum main engine power ratings for tankers, ATBs, and ocean-going barges were obtained from 2021 call records and gap-filled with a worldwide vessel database (IHS Fairplay 2020) and public Internet web searches.
- Baseline and future year average maximum rated speed for all tankers and ATBs was obtained from 2021 Port Inventory data (LAHD 2022b).
- Baseline and future year average maximum rated speed for ocean-going barges was obtained from a worldwide vessel database (IHS Fairplay 2020) and public Internet web searches.
- Auxiliary engine and boiler loads for tankers during transit, hoteling, and anchorage were obtained from the 2021 Port Inventory (LAHD 2022b).
- ATB and ocean-going barge auxiliary and pump engine loads were obtained from the Phillips 66 Rodeo Renewed Project Environmental Impact Report (Phillips 66 2022).
- Bunkering barge auxiliary engine loads for transit, maneuvering, and berthing were assumed to be the same as used for assist tugboats and were obtained from 2021 Port Inventory data (LAHD 2022b). No load data was obtained for anchorage hoteling because bunkering barges will not spend time operating at anchorage.
- Load factors from CARB's Barge and Dredge Off-road Model (CARB 2011b) were applied to auxiliary engines and pumps in ocean-going barges, and auxiliary engines in bunkering barges.
- During transit, main engine loads were determined using the propeller law, which states that the engine load factor is proportional to the ratio of speed to maximum rated speed cubed, as shown in Equation 1. For maneuvering and in the

precautionary area, average speeds from the 2021 Port Inventory were used (LAHD 2022b) and transit speeds from the precaution area to 20 nm and 20 nm to 40 nm are based on the 2021 VSRP compliance record provided by POLA (LAHD 2022c).

$$Load\ [kw] = \left(\frac{Vessel\ speed\ in\ zone}{Max\ Rated\ Speed}\right)^3 x\ Max.Power\ Rating\ [kW] \quad \text{(eq. 1)}$$

- Vessel transit speeds were used to calculate the duration of the transit and the energy consumed in kw-hrs. Energy consumed was combined with the appropriate emission factor to calculate emissions.

5.1.3 Tanker Vessel and Barge VSRP Assumptions:

- VSRP compliance was determined from 2021 compliance record maintained by POLA for vessels visiting the Phillips 66 MOT (LAHD 2022c). The VSRP compliance was roughly 96.9 percent for the area between the precautionary zone and 20 nm (zone 4) and 94.1 percent in the area between 20 nm and 40 nm (zone 5). This is roughly equivalent to an overall 95 percent compliance rate. Based on the average "maximum rated speed" for the tanker vessels and barges in the Proposed Project (LAHD 2022c) of 14 knots and the VSRP compliant speed of 12 knots, an average speed of approximately 12.06 knots was estimated for the area between the precautionary zone and 20 nm and a speed of 12.12 knots was estimated for the area between 20 nm and 40 nm. This assumption applies in any future year, both for annual and peak periods.

5.1.4 Tanker Vessel and Barge Hoteling Assumptions:

- In 2021 operations, during hoteling at-berth, ships were assumed to turn off main engines but leave the auxiliary engines and boilers running for all visits. At-berth emission control systems were not required and not used during 2021.
- Hoteling durations used in the calculation of annual emissions were estimated from vessel departure and arrival time stamps in the 2021 call records provided by the Tenant. It was assumed the arrival time stamp indicates the start of hoteling. The departure or shift time stamps indicate when the vessel stops hoteling and starts to move towards the new location, whether that is an anchorage site or leaving the Port. The average hoteling durations at-berth or anchorage per specific ship category were calculated by using the provided call data from calls that have complete calls. The averages were weighted by the number of calls. For ship categories for which no valid data is available from call records, the average hoteling durations from the 2021 Port Inventory were used (LAHD 2022b).
- The future year hoteling and anchorage durations at-berth or anchorage per specific ship category were assumed equivalent to those in the 2021 Port Inventory (LAHD 2022b), except for ATBs and ocean-going barges. Ocean-going barge anchorage hoteling activity was assumed to be equivalent to chemical tanker activity. ATB anchorage hoteling activity was assumed to be equivalent to the 2020 Port Inventory (LAHD 2021).

- Peak day hoteling during the Proposed Project is conservatively assumed uncontrolled per the CARB At-Berth Regulation's VIE and TIE exemptions, during which at-berth controls are not used.
- Annual tanker vessel hoteling emissions were calculated based on the following assumptions:
  - Of the 75 tanker ship calls during the year, 8 are assumed to be uncontrolled through use a VIE and TIE (maximum allowed under the At-Berth Regulation) call event. The remaining 67 tanker ship visits are assumed to comply with the regulation via the use of a CAECS barge.
  - An allowance of a total of 3 hours of uncontrolled operations during each controlled visit is included per the At-Berth Regulation.
  - Controlled tanker auxiliary engine and boiler NO_X, $PM_{2.5}$ and ROG emissions meet g/kW-hr limits specified in the At-Berth Regulation for tanker auxiliary engines and boilers. These emission limits represent an 80 percent reduction below CARB default values for uncontrolled operation.
  - Since specifications of an CAECS barge capable of performing as a CAECS for tanker ship visits are not available, it is assumed that the CAECS barge will be similar to the AMECS CAECS barge described in the San Pedro Bay Ports Emissions Inventory Methodology report (LAHD 2022a). In particular, the CAECS barge is assumed to have two 240 hp generators running at 80 percent load with emission factors as listed in the report. GHG emissions from the CAECS barge generators are therefore not necessarily grid-neutral as required under the revised At-Berth Regulation. The barge does not have any other engines.
  - CAECS barge movement to and from Berth 150-151 requires one assist tug similar to those used for bunker barges operating within the maneuvering area and for the same number of hours per tanker ship visit as assumed for bunker barge assist tugs.
- Additional activity inputs for tanker vessel and barge calculations are summarized in detail in the tanker vessel and barge tables (Section 8.0).

5.1.5 Additional Vessel Assumptions:

- Unlike tanker vessels, it was assumed that ATBs have no boilers, per the 2021 Port Inventory, but instead have two pumps which are used for loading or unloading product while hoteling at-berth (LAHD 2022b).
- Ship transit criteria pollutant emissions were calculated from berth to the edge of the South Coast Air Basin (SCAB) over-water boundary (roughly a 52 nautical-mile one-way trip). GHG transit emissions were calculated from berth out to the state over-water boundary, about 178 nautical miles from shore.
- Some arriving vessels are unable to proceed directly to the berth but instead must wait at a designated anchorage point either inside or outside the breakwater until given clearance to proceed to the berth. Average anchorage frequency and duration was based on 2021 call records. When data were missing from call records, anchorage durations were backfilled from average anchorage duration from available calls. Similar to hoteling, the main engine is assumed to be turned off during anchorage while the auxiliary engines and boilers are assumed to remain running.

- The distances of each of the four transit zones were taken from the Port methodology guidance (LAHD 2022a). ATBs and ocean-going barges are assumed to take the same routes as tankers. These distances are unlikely to change with time and were assumed to remain the same during the Proposed Project.
- Bunkering barges, used for fueling vessels, are assumed to remain within the Port boundaries and not to go beyond the precautionary zone.

5.1.6 Comparison of At-Berth Control Scenarios

As noted in Section 5.0 above, annual compliance with the CARB At-Berth Regulation would be achieved by the Proposed Project either by using a CAECS barge or by utilizing the regulation's "low-use" terminal exception under which the annual number of tanker ship visits would be limited to 19. As shown in Table B1-3 below, Proposed Project operational emissions under the scenario in which the estimated maximum number of annual tanker vessel calls (75) are assumed (with allowance for up to 8 VIE and TIE calls as described in Section 5.1.4) and compliance with the At-Berth Regulation is achieved via use of a CAECS barge ("Full Use" scenario) are calculated to be higher than under the "low-use" terminal exception scenario ("Limited Use" scenario). Therefore, impacts of Proposed Project annual operational emissions are expected to be greater under the Full Use scenario than under the Limited Use scenario and evaluation of Proposed Project impacts under the Full Use scenario result in a conservatively high estimate of Proposed Project air quality impacts. As noted in Section 5.1 above, Proposed Project operational peak daily emissions would be the same under either scenario given the assumption that the peak day would coincide with a VIE and TIE.

Table B1-3. Comparison of Annual Proposed Project Operational Emissions (tons) under Alternative At-Berth Regulation Compliance Scenarios

Source	Full Use Scenario		Limited Use Scenario	
	NO_X	DPM	NO_X	DPM
All OGVs Transit	318.86	5.57	141.68	3.29
All OGVs Anchorage	23.29	0.36	7.51	0.12
Tanker Ship Berthing	17.91	0.20	12.52	0.16
Other Berthing	21.15	0.32	21.15	0.32
CAECS Barge	0.10	0.002	-	-
Harbor Craft	4.34	0.10	3.28	0.07
Onroad & Stationary	0.12	0.002	0.12	0.002
TOTAL:	**385.77**	**6.56**	**186.27**	**3.96**
CEQA 2021 Baseline	133.76	2.46	133.76	2.46
Proposed Project Minus CEQA Baseline	**252.02**	**4.10**	**52.51**	**1.50**

5.2 Tugboats (Harbor Craft)

During operations, tugboats are used to assist tankers, ATBs, and ocean-going barges while maneuvering and transiting in certain zones. The assumptions below were applied to estimate peak day and annual emissions. Activity and emission factors for assist tugboats are summarized in tanker vessel and barge tables (Section 8.0).

- Tugboats are used to assist tanker vessels, ATBs, and ocean-going barges during transit, in the precautionary zone and maneuvering in the harbor.
- In general, two tugboats are needed in maneuvering/harbor transit for tankers; ATBs and ocean-going barges only need one assist tug because another tug is already attached to the barges; bunkering barges are pushed short distances in the Port and only require one tugboat. One tugboat is needed in the Precautionary Area for all vessels.
- Tugboat transit time was assumed to equal the average of vessel call transit times in the harbor which are a function of distance over speed, multiplied by a 1.3 factor to account for tug movement to and from base (LAHD 2014b). This multiplier does not apply to tugboat transit from the Precautionary Area and beyond.
- Assist tugboat main and auxiliary average engine sizes and load factors were obtained from the 2021 Port Emissions Inventory (LAHD 2022b). The average model year of auxiliary engines and main engines in the Port's assist tug fleet is from the 2021 Port Emissions Inventory.
- Tugboat emission factors are based CARB Mobile Source Emissions Inventory (MSEI) for Off-Road Diesel Equipment (CARB 2021d). The applicable engine zero hour and deterioration rate were determined based on average model year, age, and size of engine (kw) operating in the Port. It should be noted that the analysis assumes that tugboat model years would change according to a turnover schedule based on the average useful life of the main and auxiliary engines, respectively. Based on this, a 2012 main propulsion engine is assumed to turn over in 2026, 2040, and 2054; and a 2015 auxiliary engine is assumed to turn over in 2031 and 2047. For the 2057 future year analysis, emissions from the 2054 model year main engine were calculated with 2050 emission factors, as that was the latest year available in the CARB MSEI. Harbor craft Tier Level information is sourced from the 2021 Port Emissions Inventory based on the model year of the harbor crafts.
- CO_2 and N_2O emission factors are from IVL: Methodology for Calculating Emissions from Ships: Update on Emission Factors (IVL 2004) also summarized in POLA 2009 Emissions Inventory (LAHD 2010), Appendix B. CH_4 is 2 percent of HC, per IVL study.
- The fuel sulfur content was assumed to be 15 ppm for all analysis years, in accordance with California Diesel Fuel Regulation (CARB 2010).
- Peak day activity for tugs is based on vessel maneuvering transit durations during the selected peak day as described above.

5.3 Heavy Duty Trucks

The assumptions below were applied to estimate peak day and annual emissions for heavy-duty trucks delivering lube oil from Berths 148-151 terminal to local destinations during operations in all years. Offsite routes were segmented by road-links, and emissions calculated for each link. Truck activity and emission factors are summarized in the truck operational emissions inventory tables (Section 8.0). Other assumptions regarding on-road trucks include:

- The average one-way trip travel distance for tanker trucks was assumed to be 15 miles off-site based on information provided by the Tenant. Truck trip counts and total truck miles are shown in Table B1-4. The number of annual and peak-day truck trips in 2021 was provided by Tenant. The total annual truck trips in future years under the Proposed Project is based on truck trips recorded in 2019, which represents the highest number of trips in recent operational history (annual lube oil imports are not anticipated to increase under the Proposed Project). Future year peak-day truck trips were assumed to equal the 2021 peak-day trips (12) multiplied by the ratio of future year to 2021 annual trips and rounded up to the nearest whole number (15). Trucks operate year-round on a 24/7 schedule.
- Criteria pollutant and GHG emissions from tanker trucks were calculated using composite emission factors from EMFAC2021 v1.0.2 model representing heavy-duty diesel trucks. The EMFAC fleet mix distributions for POLA trucks (T7 POLA vehicle category) for 2021 Baseline and Proposed Project (2027 and 2050) were used. 2050 was the latest year available for analysis in the EMFAC2021 model, so the 2050 emission factors were used to calculate emissions from 2057 Proposed Project activity (CARB 2021b). Proposed Project emissions reflect CARB's Truck and Bus Rule, described in Table B1-2.
- PM_{10} and $PM_{2.5}$ emissions from brake wear and tire wear were calculated and added to the exhaust emissions. Brake and tire wear emissions were calculated using EMFAC2021 v1.0.2.
- PM_{10} and $PM_{2.5}$ emissions from paved road dust were calculated separately and added to the emissions from truck exhaust, tire wear, and brake wear. Road dust emission factors for on-terminal driving, off-terminal local streets, and freeways followed CARB's methodology to estimate entrained road dust emission factors, using the equations in USEPA's Compilation of Air Pollutant Emission Factors AP-42 (CAPCOA 2022, USEPA 2011b) and CARB silt loading values for California roadways in its March 2021 guidance document for estimating entrained road dust emissions from paved roads (CARB 2021d).
- On-site activity including idling times and on-site driving distance were determined to be 5 minutes per visit and 0.4 miles per trip. CARB and Los Angeles County restricts idling time to 5 minutes for heavy-duty diesel vehicles with a Gross Vehicle Weight Rating of 10,000 lbs or heavier (CARB 2016).
- Table B1-4 shows annual and daily heavy-duty truck activity for the Proposed Project. The total annual mileage represents that total fleet mileage out to the destinations.

Table B1-4. Proposed Project Heavy Duty Truck Activity

Activity	Year	Total Trucks/Miles
Total Annual Round Trips	2021	1,605
	2027	1,951
	2057	1,951
Total Annual Mileage	2021	48,150
	2027	58,530
	2057	58,530
Total Daily Round Trips	2021	12
	2027	15
	2057	15
Total Daily Mileage	2021	360
	2027	450
	2057	450

5.4 Worker Vehicles

Worker vehicle emissions consist of light duty on-road vehicles used for workers commuting to and from the Berths 148-151 terminal. Activities tracked consist of off-site driving to/from terminal and on-site driving to employee parking lot. On-site idling from worker vehicles was assumed to be negligible. The characteristics and emission factors related to operational worker commute activity can be found in the on-road sources operational emissions inventory tables (Section 8.0).

- Emissions from worker trips during the Proposed Project operation were calculated using number of employees on-site annually and expected worker mileage. As described in Chapter 2 (Project Description), there would be no change in worker vehicle activity from the 2021 Baseline activity, so there will be 1 employee on site per day in both the 2021 Baseline and 2027 and 2057 future year calculations. It is assumed that the commute distance is 25 miles each way.
- Worker vehicle emissions consist of light duty on-road vehicles used by workers commuting to and from the terminal. Emission factors were obtained from EMFAC2021 v1.0.2. The South Coast basin default light duty vehicle fleet mix was used to represent worker vehicles (CARB 2021b).
- PM_{10} and $PM_{2.5}$ emissions from paved road dust were calculated and added to the EMFAC2021 v1.0.2 emissions. Road dust emission factors for on-terminal driving, off-terminal local streets, and freeways followed CARB's methodology to estimate entrained road dust emission factors; this involves using the equations in USEPA's Compilation of Air Pollutant Emission Factors AP-42 (CAPCOA 2022, USEPA 2011b) and CARB silt loading values for California roadways in its 2021 guidance document for estimating entrained road dust emissions from paved roads (CARB 2021e).

5.5 On-Site Stationary Sources

Miscellaneous landside sources used at the terminal consist of evaporative sources, particularly in the tank farm, that generate VOC emissions. These sources include:

- Tank degassing;
- Fugitive emissions from components in tank farm piping;

- Evaporative emissions from storage tanks; and
- Other minor process sources.

The criteria pollutant annual mass emissions in 2021 for these sources were taken directly from the B148-151 SCAQMD Annual Emission Report (AER) for 2019 (Phillips 66 2023). The AER does not identify GHG emissions; any fraction of methane in evaporative emissions from petroleum products processed at the terminal is expected to be negligible. 2027 and 2057 future year emissions were scaled from 2021 emissions based on the change in barrels of product throughput between the 2021 Baseline and the Proposed Project, except for piping components fugitive emissions which are assumed to be the same in the future years as in 2021 since the number of components are not changing and the relevant fugitive emission factors are not a function of throughput. Barge and tank loading emissions were scaled based on projected loading throughput changes from the 2021 Baseline.

6.0 Energy Consumption Calculations

Energy would be consumed by the Proposed Project in the form of liquid fossil fuels during construction and operation activities. During construction, liquid fuels would be used to power construction-related vehicles (diesel and gasoline), off-road equipment (diesel), and harbor craft (diesel). During operations, diesel fuel would be used to power harbor craft and visiting heavy-duty trucks. Gasoline would be used for worker vehicles, while marine diesel would be used for ocean-going vessels. Electricity would be used for shoreside EIVs (Emergency Isolation Valves), hose manifold EIVs, docking winches, MOVs (Motor Operated Valves), tower crane, gang way, lighting, and fire water system. Electricity consumption is expected to increase by 13 percent over baseline usage as shown in Section 5.6 above.

6.1 Fuel Consumption by Mobile Sources

Fuel consumption from mobile sources was calculated consistently for each source category as follows, regardless if being used for construction or operations:

6.1.1 Off-road Equipment

Off-road equipment consumption of fuel, specifically diesel, for construction and operations was estimated based on fuel consumption rates (on a gallon of fuel per kw-hr basis) obtained from the EMFAC2021 v1.0.2 model (OFFROAD module), using the same specifications (calendar year, South Coast Air Basin, model year or fleet mix) as those selected for the emission factors in the air emissions and GHG analysis (CARB 2021b). The annual activity (kw-hrs) by equipment type was multiplied by the fuel consumption rates to arrive at annual gallons of fuel per year.

6.1.2 On-road Vehicles

Vehicle consumption of fuel, both gasoline and diesel, during construction and operations was estimated based on fuel consumption rates (on a gallon of fuel per mile basis) obtained from the EMFAC2021 v1.0.2 model, using the same specifications (calendar year, South Coast Air Basin, model year or fleet mix) as those selected for the emission factors in the air emissions and GHG analysis. The annual activity (miles per year) by

vehicle group were multiplied by the fuel consumption rates to arrive at annual gallons of fuel per year.

6.1.3 Harbor Craft

Harbor craft fuel, specifically diesel, during construction and operations was estimated based on break specific fuel consumption (BSFC) (in grams of fuel per hp-hr, or kw-hr) rates obtained from CARB's Commercial Harbor Craft Emissions Inventory (CARB 2021f). The annual activity (kw-hrs) by harbor craft group were multiplied by the fuel consumption rates and converted to volume by diesel average density (g/gal of fuel) to arrive at annual gallons of fuel per year.

6.1.4 Ocean Going Vessels

Fuel consumed by ocean going vessel, specifically marine distillate, during operations both at-berth and during transit was estimated based on fuel consumption rates (in grams of fuel per kw-hr) rates obtained from CARB's Emissions Estimation Methodology for Ocean Going Vessels (CARB 2011c). The annual activity (kw-hrs) was estimated for each activity mode (transit and hoteling) and engine (main and auxiliary) for total annual vessel calls related to the Proposed Project. Aggregated annual activity in kw-hrs was multiplied by the fuel consumption rates and converted to volume by marine distillate average density (g/gal of fuel) to arrive at annual gallons of fuel per year.

7.0 References

California Air Pollution Control Officers Association (CAPCOA), 2022. CalEEMod, Appendix G. https://caleemod.com/user-guide.

California Air Resources Board (CARB), 2005. Final Regulation Order: Proposed Extension of the California Standards for Motor Vehicle Diesel Fuel to Diesel Fuel Used for Intrastate Diesel-Electric Locomotives and Harbor Craft. August. https://ww2.arb.ca.gov/sites/default/files/barcu/regact/carblohc/rfro.pdf.

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8.0 Emissions Calculations and Input Data

This section contains tables summarizing the activity inputs, assumptions, emission rates and mass emissions totals for each source category and modeled time periods (annual, peak day). Floating baseline activity is equivalent to the baseline activity shown in the input data. Floating baseline final emissions are calculated using baseline activity and future emission factors for each emissions source. Emissions and assumptions are organized by scenarios in the following groups:

- Construction Emissions
  - Proposed Project *(page B1-41-B1-52)*
- Operational Emissions

  Calculation Inputs by Source Category
  - Onroad Sources: Worker Vehicles and Trucks *(page B1-54-B1-56)*
  - Tankers and Barges *(page B1-57-B1-74)*
  - Harbor Craft *(page B1-75-B1-80)*
  - Stationary Sources *(page B1-81-B1-82)*

  Emissions Summaries
  - Operational Emissions *(page B1-83-B1-112)*

Construction Emissions Inventory

Construction Vehicle Activity by Phase - Proposed Project

						Vehicles											
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Demolition Debris (ton)	Soil Import/Export (ton)	Vehicle Trips (1-way trips/day)	Vehicle Trips Total (1-way trips)	Transit Distance (1-way miles) - Offsite	Transit Distance (1-way miles) - Onsite	VMT (mi/day) - Offsite	VMT (mi/day) - Onsite	VMT (total) - Offsite	VMT (total) - Onsite	Onsite Idling (hr/day)	Onsite Idling Total (hr)
2	Phase 2 - Berth 150-151 Onshore Piping Demolition																
2a	2/1/2024	3/7/2024	pick-up truck	Delivery Trucks	onroad							250		6,500			
2a	2/1/2024	3/7/2024	Haul Trucks	Haul Trucks	onroad	36		1	8	30	0.14	30	0.14	240	1	0.03	0.3
2a	2/1/2024	3/7/2024	Delivery Trucks	Delivery Trucks	onroad												
2a	2/1/2024	3/7/2024	Worker Vehicles	Worker Vehicles	onroad			20	520	12.62		252		6,562			
3	Phase 3 - Berth 150-151 Demolition																
3a	7/1/2024	12/31/2024	Haul Trucks	Haul Trucks	onroad	1895		38	190	200	0.14	7,600	5	38,000	27	1.58	7.9
3a	7/1/2024	12/31/2024	Delivery Trucks	Delivery Trucks	onroad												
3a	7/1/2024	12/31/2024	Worker Vehicles	Worker Vehicles	onroad			40	5,280	12.62		505		66,634			
4	Phase 4 - Berth 150-151 Marine Construction																
4a	1/1/2025	12/31/2025	Haul Trucks	Haul Trucks	onroad												
4a	1/1/2025	12/31/2025	Delivery Trucks	Delivery Trucks	onroad			2	520	50	0.14	100	0	26,000	73	0.08	21.7
4a	1/1/2025	12/31/2025	Worker Vehicles	Worker Vehicles	onroad			50	13,050	12.62		631		164,691			
5	Phase 5 - Shoreside Construction																
5a	1/3/2025	1/24/2025	pick-up truck	Delivery Truck	onroad							300		4,800			
5a	1/3/2025	1/24/2025	Haul Trucks	Haul Trucks	onroad	5	378	4	60	30	0.14	120	1	1,800	8	0.17	2.5
5a	1/3/2025	1/24/2025	Delivery Trucks	Delivery Trucks	onroad												
5a	1/3/2025	1/24/2025	Worker Vehicles	Worker Vehicles	onroad			20	320	12.62		252		4,038			
5b	1/3/2025	1/24/2025	pick-up truck	Delivery Truck	onroad							50		800			
5b	1/3/2025	1/24/2025	Haul Trucks	Haul Trucks	onroad	2		2	2	30	0.14	60	0	60	0	0.08	0.1
5b	1/3/2025	1/24/2025	Delivery Trucks	Delivery Trucks	onroad			1	2	30	0.14	30	0.14	60	0	0.04	0.1
5b	1/3/2025	1/24/2025	Worker Vehicles	Worker Vehicles	onroad			20	320	12.62		252		4,038			
5c	2/15/2025	4/26/2025	pick-up truck	Delivery Truck	onroad							100		5,000			
5c	2/15/2025	4/26/2025	Haul Trucks	Haul Trucks	onroad		5040	20	800	30	0.14	600	3	24,000	112	0.83	33.3
5c	2/15/2025	4/26/2025	Delivery Trucks	Delivery Trucks	onroad												
5c	2/15/2025	4/26/2025	Worker Vehicles	Worker Vehicles	onroad			20	1,000	12.62		252		12,620			
5d	3/15/2025	5/17/2025	pick-up truck	Delivery Truck	onroad							250		11,250			
5d	3/15/2025	5/17/2025	concrete truck	Delivery Trucks	onroad												
5d	3/15/2025	5/17/2025	Haul Trucks	Haul Trucks	onroad												
5d	3/15/2025	5/17/2025	Delivery Trucks	Delivery Trucks	onroad			20	800	30	0.14	600	3	24,000	112	0.83	33.3
5d	3/15/2025	5/17/2025	Worker Vehicles	Worker Vehicles	onroad			48	2,160	12.62		606		27,259			
5e	5/1/2025	5/16/2025	pick-up truck	Delivery Truck	onroad							75		900			
5e	5/1/2025	5/16/2025	Haul Trucks	Haul Trucks	onroad												
5e	5/1/2025	5/16/2025	Delivery Trucks	Delivery Trucks	onroad			1	2	30	0.14	30	0.14	60	0	0.04	0.1
5e	5/1/2025	5/16/2025	Worker Vehicles	Worker Vehicles	onroad			12	144	12.62		151		1,817			
5f	6/1/2025	6/22/2025	pick-up truck	Delivery Truck	onroad							150		2,250			
5f	6/1/2025	6/22/2025	concrete truck	Delivery Trucks	onroad												
5f	6/1/2025	6/22/2025	Haul Trucks	Haul Trucks	onroad		107	9	18	30	0.14	270	1	540	3	0.38	0.8
5f	6/1/2025	6/22/2025	Delivery Trucks	Delivery Trucks	onroad			1	2	30	0.14	30	0.14	60	0	0.03	0.1
5f	6/1/2025	6/22/2025	Worker Vehicles	Worker Vehicles	onroad			20	300	12.62		252		3,786			
5g	11/1/2025	11/29/2025	pick-up truck	Delivery Truck	onroad							100		2,000			
5g	11/1/2025	11/29/2025	Haul Trucks	Haul Trucks	onroad												
5g	11/1/2025	11/29/2025	Delivery Trucks	Delivery Trucks	onroad			10	20	30	0.14	300	1	600	3	0.42	0.8
5g	11/1/2025	11/29/2025	Worker Vehicles	Worker Vehicles	onroad			24	480	12.62		303		6,058			
5h	6/1/2025	9/21/2025	pick-up truck	Delivery Truck	onroad							150		12,000			
5h	6/1/2025	9/21/2025	Haul Trucks	Haul Trucks	onroad												
5h	6/1/2025	9/21/2025	Delivery Trucks	Delivery Trucks	onroad			30	300	30	0.14	900	4	9,000	42	1.25	12.5
5h	6/1/2025	9/21/2025	Worker Vehicles	Worker Vehicles	onroad			52	4,160	12.62		656		52,499			
5i	2/1/2026	3/1/2026	pick-up truck	Delivery Truck	onroad							100		2,000			
5i	2/1/2026	3/1/2026	Haul Trucks	Haul Trucks	onroad												
5i	2/1/2026	3/1/2026	Delivery Trucks	Delivery Trucks	onroad			12	60	30	0.14	360	2	1,800	8	0.50	2.5
5i	2/1/2026	3/1/2026	Worker Vehicles	Worker Vehicles	onroad			20	400	12.62		252		5,048			
5j	4/1/2026	5/20/2026	pick-up truck	Delivery Truck	onroad							100		3,600			
5j	4/1/2026	5/20/2026	Haul Trucks	Haul Trucks	onroad												
5j	4/1/2026	5/20/2026	Delivery Trucks	Delivery Trucks	onroad			12	48	30	0.14	360	2	1,440	7	0.50	2.0
5j	4/1/2026	5/20/2026	Worker Vehicles	Worker Vehicles	onroad			24	864	12.62		303		10,904			
5k	12/1/2025	5/11/2026	pick-up truck	Delivery Truck	onroad							100		11,600			
5k	12/1/2025	5/11/2026	Haul Trucks	Haul Trucks	onroad												
5k	12/1/2025	5/11/2026	Delivery Trucks	Delivery Trucks	onroad			20	300	30	0.14	600	3	9,000	42	0.83	12.5
5k	12/1/2025	5/11/2026	Worker Vehicles	Worker Vehicles	onroad			48	5,568	12.62		606		70,268			
5l	2/1/2026	7/15/2026	pick-up truck	Delivery Truck	onroad							150		17,700			
5l	2/1/2026	7/15/2026	Haul Trucks	Haul Trucks	onroad												
5l	2/1/2026	7/15/2026	Delivery Trucks	Delivery Trucks	onroad			8	80	30	0.14	240	1	2,400	11	0.33	3.3
5l	2/1/2026	7/15/2026	Worker Vehicles	Worker Vehicles	onroad			30	3,540	12.62		379		44,675			
5m	8/15/2026	1/23/2027	pick-up truck	Delivery Truck	onroad							150		17,250			
5m	8/15/2026	1/23/2027	Haul Trucks	Haul Trucks	onroad	280		3	50	30	0.14	90	0	1,500	7	0.10	2.1
5m	8/15/2026	1/23/2027	Delivery Trucks	Delivery Trucks	onroad												
5m	8/15/2026	1/23/2027	Worker Vehicles	Worker Vehicles	onroad			40	4,600	12.62		505		58,052			
6	Phase 6 - Berth 150-151 Clean-up Dredging (2,000 CY)																
6a	12/1/2025	12/8/2025	Haul Trucks	Haul Trucks	onroad		0	54	270	50	0.14	2,700	8	13,500	38	2.25	11.3
6a	12/1/2025	12/8/2025	Delivery Trucks	Delivery Trucks	onroad												
6a	12/1/2025	12/8/2025	Worker Vehicles	Worker Vehicles	onroad			24	168	12.62		303		2,120			
7	Phaes 7 - Marine Terminal Electrical Infrastructure Project																
7a	4/1/2025	5/30/2025	pick-up truck	Delivery Truck	onroad							100		4,400			
7a	4/1/2025	5/30/2025	concrete truck	Delivery Trucks	onroad												
7a	4/1/2025	5/30/2025	Haul Trucks	Haul Trucks	onroad	10	630	7	100	30	0.14	210	1	3,000	14	0.28	4.2
7a	4/1/2025	5/30/2025	Delivery Trucks	Delivery Trucks	onroad			2	40	30	0.14	60	0	1,200	6	0.08	1.7
7a	4/1/2025	5/30/2025	Worker Vehicles	Worker Vehicles	onroad			24	1,056	12.62		303		13,327			
7b	6/1/2025	12/30/2025	pick-up truck	Delivery Truck	onroad							150		22,800			
7b	6/1/2025	12/30/2025	Haul Trucks	Haul Trucks	onroad												
7b	6/1/2025	12/30/2025	Delivery Trucks	Delivery Trucks	onroad			1	10	30	0.14	30	0.14	300	1	0.02	0.4
7b	6/1/2025	12/30/2025	Worker Vehicles	Worker Vehicles	onroad			40	6,080	12.62		505		76,730			
9	Phase 1 - Tank Farm Capacity Restoration (Tanks 218, 267, 268, 216)																
9a	7/1/2026	7/7/2026	Haul Trucks	Haul Trucks	onroad		69	4	10	30	0.14	120	1	300	1	0.14	0.4
9a	7/1/2026	7/7/2026	Delivery Trucks	Delivery Trucks	onroad			10	30	30	0.14	300	1	900	4	0.42	1.3
9a	7/1/2026	7/7/2026	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
9b	7/8/2026	7/22/2026	Haul Trucks	Haul Trucks	onroad		103	2	8	30	0.14	60	0	240	1	0.06	0.3
9b	7/8/2026	7/22/2026	Delivery Trucks	Delivery Trucks	onroad			10	40	30	0.14	300	1	1,200	6	0.42	1.7
9b	7/8/2026	7/22/2026	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
9c	7/22/2026	8/5/2026	Haul Trucks	Haul Trucks	onroad												
9c	7/22/2026	8/5/2026	Delivery Trucks	Delivery Trucks	onroad												
9c	7/22/2026	8/5/2026	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
9d	7/22/2026	9/2/2026	Haul Trucks	Haul Trucks	onroad		3780	8	60	30	0.14	240	1	1,800	8	0.31	2.5
9d	7/22/2026	9/2/2026	Delivery Trucks	Delivery Trucks	onroad			10	50	30	0.14	300	1	1,500	7	0.42	2.1
9d	7/22/2026	9/2/2026	Worker Vehicles	Worker Vehicles	onroad			40	1,240	12.62		505		15,649			
9e	8/5/2026	9/2/2026	Haul Trucks	Haul Trucks	onroad												
9e	8/5/2026	9/2/2026	Delivery Trucks	Delivery Trucks	onroad												
9e	8/5/2026	9/2/2026	Worker Vehicles	Worker Vehicles	onroad			40	840	12.62		505		10,601			
9f	9/3/2026	3/20/2027	Haul Trucks	Haul Trucks	onroad												
9f	9/3/2026	3/20/2027	Delivery Trucks	Delivery Trucks	onroad												
9f	9/3/2026	3/20/2027	Worker Vehicles	Worker Vehicles	onroad			40	5,680	12.62		505		71,682			
9g	9/17/2026	10/1/2026	Haul Trucks	Haul Trucks	onroad												
9g	9/17/2026	10/1/2026	Delivery Trucks	Delivery Trucks	onroad												
9g	9/17/2026	10/1/2026	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
9h	9/30/2026	10/28/2026	Haul Trucks	Haul Trucks	onroad												
9h	9/30/2026	10/28/2026	Delivery Trucks	Delivery Trucks	onroad												
9h	9/30/2026	10/28/2026	Worker Vehicles	Worker Vehicles	onroad			40	840	12.62		505		10,601			
9i	11/26/2026	12/10/2026	Haul Trucks	Haul Trucks	onroad												
9i	11/26/2026	12/10/2026	Delivery Trucks	Delivery Trucks	onroad												
9i	11/26/2026	12/10/2026	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
9j	12/23/2026	1/27/2027	Haul Trucks	Haul Trucks	onroad												
9j	12/23/2026	1/27/2027	Delivery Trucks	Delivery Trucks	onroad												
9j	12/23/2026	1/27/2027	Worker Vehicles	Worker Vehicles	onroad			40	1,040	12.62		505		13,125			
9k	3/21/2027	6/13/2027	Haul Trucks	Haul Trucks	onroad												
9k	3/21/2027	6/13/2027	Delivery Trucks	Delivery Trucks	onroad												
9k	3/21/2027	6/13/2027	Worker Vehicles	Worker Vehicles	onroad			40	2,400	12.62		505		30,288			
10	Phase 2 - Tank Farm Capacity Restoration (Tanks 375, 379, 413, 259)																
10a	7/1/2027	7/7/2027	Haul Trucks	Haul Trucks	onroad		69	4	10	30	0.14	120	0.56	300	1.40	0.14	0.4
10a	7/1/2027	7/7/2027	Delivery Trucks	Delivery Trucks	onroad			10	30	30	0.14	300	1	900	4	0.42	1.3
10a	7/1/2027	7/7/2027	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
10b	7/8/2027	7/22/2027	Haul Trucks	Haul Trucks	onroad		103	2	8	30	0.14	60	0	240	1	0.06	0.3
10b	7/8/2027	7/22/2027	Delivery Trucks	Delivery Trucks	onroad			10	40	30	0.14	300	1	1,200	6	0.42	1.7
10b	7/8/2027	7/22/2027	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
10c	7/22/2027	10/7/2027	Haul Trucks	Haul Trucks	onroad		3780	8	60	30	0.14	240	1	1,800	8	0.31	2.5
10c	7/22/2027	10/7/2027	Delivery Trucks	Delivery Trucks	onroad			10	50	30	0.14	300	1	1,500	7	0.42	2.1
10c	7/22/2027	10/7/2027	Worker Vehicles	Worker Vehicles	onroad			40	2,240	12.62		505		28,269			
10d	9/16/2027	9/22/2027	Haul Trucks	Haul Trucks	onroad												
10d	9/16/2027	9/22/2027	Delivery Trucks	Delivery Trucks	onroad												
10d	9/16/2027	9/22/2027	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
10e	9/16/2027	9/30/2027	Haul Trucks	Haul Trucks	onroad												
10e	9/16/2027	9/30/2027	Delivery Trucks	Delivery Trucks	onroad												
10e	9/16/2027	9/30/2027	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
10f	10/7/2027	10/28/2027	Haul Trucks	Haul Trucks	onroad												
10f	10/7/2027	10/28/2027	Delivery Trucks	Delivery Trucks	onroad												
10f	10/7/2027	10/28/2027	Worker Vehicles	Worker Vehicles	onroad			40	640	12.62		505		8,077			
10g	11/1/2027	12/25/2027	Haul Trucks	Haul Trucks	onroad												
10g	11/1/2027	12/25/2027	Delivery Trucks	Delivery Trucks	onroad												
10g	11/1/2027	12/25/2027	Worker Vehicles	Worker Vehicles	onroad			40	1,600	12.62		505		20,192			
10h	12/2/2027	12/8/2027	Haul Trucks	Haul Trucks	onroad												
10h	12/2/2027	12/8/2027	Delivery Trucks	Delivery Trucks	onroad												

Construction Vehicle Activity by Phase - Proposed Project

						Vehicles											
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Demolition Debris (ton)	Soil Import/Export (ton)	Vehicle Trips (1-way trips/day)	Vehicle Trips Total (1-way trips)	Transit Distance (1-way miles) - Offsite	Transit Distance (1-way miles) - Onsite	VMT (mi/day) - Offsite	VMT (mi/day) - Onsite	VMT (total) - Offsite	VMT (total) - Onsite	Onsite Idling (hr/day)	Onsite Idling Total (hr)
10h	12/2/2027	12/8/2027	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
10i	12/9/2027	12/23/2027	Haul Trucks	Haul Trucks	onroad												
10i	12/9/2027	12/23/2027	Delivery Trucks	Delivery Trucks	onroad												
10i	12/9/2027	12/23/2027	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
10j	12/23/2027	1/13/2028	Haul Trucks	Haul Trucks	onroad												
10j	12/23/2027	1/13/2028	Delivery Trucks	Delivery Trucks	onroad												
10j	12/23/2027	1/13/2028	Worker Vehicles	Worker Vehicles	onroad			40	640	12.62		505		8,077			
10k	1/13/2028	3/10/2028	Haul Trucks	Haul Trucks	onroad												
10k	1/13/2028	3/10/2028	Delivery Trucks	Delivery Trucks	onroad												
10k	1/13/2028	3/10/2028	Worker Vehicles	Worker Vehicles	onroad			40	1,680	12.62		505		21,202			
10l	2/17/2028	2/23/2028	Haul Trucks	Haul Trucks	onroad												
10l	2/17/2028	2/23/2028	Delivery Trucks	Delivery Trucks	onroad												
10l	2/17/2028	2/23/2028	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
10m	2/24/2028	3/10/2028	Haul Trucks	Haul Trucks	onroad												
10m	2/24/2028	3/10/2028	Delivery Trucks	Delivery Trucks	onroad												
10m	2/24/2028	3/10/2028	Worker Vehicles	Worker Vehicles	onroad			40	480	12.62		505		6,058			
10n	3/10/2028	3/31/2028	Haul Trucks	Haul Trucks	onroad												
10n	3/10/2028	3/31/2028	Delivery Trucks	Delivery Trucks	onroad												
10n	3/10/2028	3/31/2028	Worker Vehicles	Worker Vehicles	onroad			40	640	12.62		505		8,077			
10o	4/1/2028	6/17/2028	Haul Trucks	Haul Trucks	onroad												
10o	4/1/2028	6/17/2028	Delivery Trucks	Delivery Trucks	onroad												
10o	4/1/2028	6/17/2028	Worker Vehicles	Worker Vehicles	onroad			40	2,200	12.62		505		27,764			
11	Phase 3 - Tank Farm Capacity Restoration (Tanks 260, 346, 347)																
11a	7/1/2028	7/7/2028	Haul Trucks	Haul Trucks	onroad		50	3	8	30	0.14	90	0	240	1	0.11	0.3
11a	7/1/2028	7/7/2028	Delivery Trucks	Delivery Trucks	onroad			8	24	30	0.14	240	1	720	3	0.33	1.0
11a	7/1/2028	7/7/2028	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
11b	7/8/2028	7/22/2028	Haul Trucks	Haul Trucks	onroad		76	2	8	30	0.14	60	0	240	1	0.07	0.3
11b	7/8/2028	7/22/2028	Delivery Trucks	Delivery Trucks	onroad			8	32	30	0.14	240	1	960	4	0.33	1.3
11b	7/8/2028	7/22/2028	Worker Vehicles	Worker Vehicles	onroad			40	400	12.62		505		5,048			
11c	7/22/2028	10/28/2028	Haul Trucks	Haul Trucks	onroad		2835	8	66	30	0.14	240	1	1,380	6	0.32	1.9
11c	7/22/2028	10/28/2028	Delivery Trucks	Delivery Trucks	onroad			8	32	30	0.14	240	1	960	4	0.33	1.3
11c	7/22/2028	10/28/2028	Worker Vehicles	Worker Vehicles	onroad			40	2,800	12.62		505		35,336			
11d	10/28/2028	11/4/2028	Haul Trucks	Haul Trucks	onroad												
11d	10/28/2028	11/4/2028	Delivery Trucks	Delivery Trucks	onroad												
11d	10/28/2028	11/4/2028	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
11e	11/4/2028	11/18/2028	Haul Trucks	Haul Trucks	onroad												
11e	11/4/2028	11/18/2028	Delivery Trucks	Delivery Trucks	onroad												
11e	11/4/2028	11/18/2028	Worker Vehicles	Worker Vehicles	onroad			40	400	12.62		505		5,048			
11f	11/18/2028	2/24/2029	Haul Trucks	Haul Trucks	onroad												
11f	11/18/2028	2/24/2029	Delivery Trucks	Delivery Trucks	onroad												
11f	11/18/2028	2/24/2029	Worker Vehicles	Worker Vehicles	onroad			40	2,800	12.62		505		35,336			
11g	2/24/2029	3/3/2029	Haul Trucks	Haul Trucks	onroad												
11g	2/24/2029	3/3/2029	Delivery Trucks	Delivery Trucks	onroad												
11g	2/24/2029	3/3/2029	Worker Vehicles	Worker Vehicles	onroad			40	200	12.62		505		2,524			
11h	3/2/2029	3/16/2029	Haul Trucks	Haul Trucks	onroad												
11h	3/2/2029	3/16/2029	Delivery Trucks	Delivery Trucks	onroad												
11h	3/2/2029	3/16/2029	Worker Vehicles	Worker Vehicles	onroad			40	440	12.62		505		5,553			
11i	3/16/2029	6/22/2029	Haul Trucks	Haul Trucks	onroad												
11i	3/16/2029	6/22/2029	Delivery Trucks	Delivery Trucks	onroad												
11i	3/16/2029	6/22/2029	Worker Vehicles	Worker Vehicles	onroad			40	2,840	12.62		505		35,841			
12a	Grading																
12a	7/1/2029	7/5/2029															
12a	7/1/2029	7/5/2029	Worker Vehicles	Worker Vehicles	onroad			10	40	12.62		126		505			
12b	Asphalt Paving																
12b	8/1/2029	8/11/2029															
12b	8/1/2029	8/11/2029	Worker Vehicles	Worker Vehicles	onroad			16	160	12.62		202		2,019			

Onsite vehicle transit 1- way (miles) 0.14 calculated from GoogleEarth
Onsite idling (hr) 0.08 POLA Sustainable Construction Guidelines, 2009.

Source:
Equipment utilization for Task IDs 1 through 9 was provided by the Port in Copy of 2020-09-11 AQ ConstructionNeedsTemplate_P66 MNIQA (version 1).xlsx.
Equipment utilization for Task IDs: 9,10, and 11 was provided by the Port in Copy of Tank Work_AQ ConstructionNeedsTemplate_P66_IQA 092220 (version 1).xlsx.

Construction Equipment Activity by Phase - Proposed Project

						Construction Equipment			
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Number of Pieces (haul truck total loads, delivery truck total loads, workers/day)	Utilization (hr/day)	Total days	Horsepower
2	Phase 2 - Berth 150-151 Onshore Piping Demolition								
2a	2/1/2024	3/7/2024	air compressor	Air Compressors	offroad	1	6	26	75
2a	2/1/2024	3/7/2024	45-ton crane	Cranes	offroad	1	5	26	200
2a	2/1/2024	3/7/2024	diesel generator	Generator Sets	offroad	1	6	26	200
2a	2/1/2024	3/7/2024	dump truck	Off-Highway Trucks	offroad	1	4	26	380
2a	2/1/2024	3/7/2024	vacuum truck	Off-Highway Trucks	offroad	1	2	26	380
2a	2/1/2024	3/7/2024	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	2	6	26	100
2a	2/1/2024	3/7/2024	welding truck/rig	Welders	offroad	1	7	26	50
3	Phase 3 - Berth 150-151 Demolition								
3a	7/1/2024	12/31/2024	Tugboat Generator	Tugboat Auxiliary	marine	1	8	132	60
3a	7/1/2024	12/31/2024	Tugboat Deck Winch	Tugboat Auxiliary	marine	1	1	132	160
3a	7/1/2024	12/31/2024	Tugboat Propulsion	Tugboat Propulsion	marine	1	1	132	1200
3a	7/1/2024	12/31/2024	Crew Boat / Skiff Auxiliary	Crew Boat Auxiliary	marine	1	4	132	62
3a	7/1/2024	12/31/2024	Crew Boat / Skiff Propulsion	Crew Boat Propulsion	marine	1	1	132	575
3a	7/1/2024	12/31/2024	185 CFM Air Compressor	Air Compressors	offroad	1	2	132	50
3a	7/1/2024	12/31/2024	Diver Air Compressor	Air Compressors	offroad	1	1	132	10
3a	7/1/2024	12/31/2024	200T Crane- Manitowoc 777	Cranes	offroad	1	8	132	253
3a	7/1/2024	12/31/2024	Vibratory Hammer- HPSI500	Other Construction Equipment	offroad	1	1	132	400
3a	7/1/2024	12/31/2024	Barge Deck Winch (Spuds)	Other Construction Equipment	offroad	1	1	132	250
3a	7/1/2024	12/31/2024	400A Welding Machine	Welders	offroad	1	4	132	20
4	Phase 4 - Berth 150-151 Marine Construction								
4a	1/1/2025	12/31/2025	Tugboat Generator	Tugboat Auxiliary	marine	1	8	261	60
4a	1/1/2025	12/31/2025	Tugboat Deck Winch	Tugboat Auxiliary	marine	1	1	261	160
4a	1/1/2025	12/31/2025	Tugboat Propulsion	Tugboat Propulsion	marine	1	1	261	1200
4a	1/1/2025	12/31/2025	Crew Boat / Skiff Auxiliary	Crew Boat Auxiliary	marine	1	4	261	62
4a	1/1/2025	12/31/2025	Crew Boat / Skiff Propulsion	Crew Boat Propulsion	marine	1	1	261	575
4a	1/1/2025	12/31/2025	185 CFM Air Compressor	Air Compressors	offroad	1	2	261	50
4a	1/1/2025	12/31/2025	300T Crane- Manitowoc 2250	Cranes	offroad	1	8	261	320
4a	1/1/2025	12/31/2025	Vibratory Hammer- HPSI500	Other Construction Equipment	offroad	1	1	261	400
4a	1/1/2025	12/31/2025	Impact Hammer- D80	Other Construction Equipment	offroad	1	1	261	245
4a	1/1/2025	12/31/2025	Barge Deck Winch (Spuds)	Other Construction Equipment	offroad	1	1	261	250
4a	1/1/2025	12/31/2025	Carpenter Barge	Other Construction Equipment	offroad	2	8	261	150
4a	1/1/2025	12/31/2025	400A Welding Machine	Welders	offroad	1	4	261	20
5	Phase 5 - Shoreside Construction								
5a	1/3/2025	1/24/2025	air compressor	Air Compressors	offroad	1	6	16	75
5a	1/3/2025	1/24/2025	45-ton crane	Cranes	offroad	1	6	16	200
5a	1/3/2025	1/24/2025	diesel generator	Generator Sets	offroad	1	6	16	200
5a	1/3/2025	1/24/2025	dump truck	Off-Highway Trucks	offroad	2	2	16	380
5a	1/3/2025	1/24/2025	vacuum truck	Off-Highway Trucks	offroad	1	2	16	380
5a	1/3/2025	1/24/2025	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	1	4	16	100
5a	1/3/2025	1/24/2025	welding truck/rig	Welders	offroad	1	6	16	50
5b	1/3/2025	1/24/2025	air compressor	Air Compressors	offroad	1	6	16	75
5b	1/3/2025	1/24/2025	45-ton crane	Cranes	offroad	1	6	16	200
5b	1/3/2025	1/24/2025	diesel generator	Generator Sets	offroad	1	6	16	200
5b	1/3/2025	1/24/2025	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	1	4	16	100
5b	1/3/2025	1/24/2025	welding truck/rig	Welders	offroad	1	6	16	50
5c	2/15/2025	4/26/2025	air compressor	Air Compressors	offroad	1	6	50	75
5c	2/15/2025	4/26/2025	excavator	Excavators	offroad	2	6	50	220
5c	2/15/2025	4/26/2025	diesel generator	Generator Sets	offroad	1	6	50	100
5c	2/15/2025	4/26/2025	dump truck	Off-Highway Trucks	offroad	10	2	50	380
5c	2/15/2025	4/26/2025	backhoe	Tractors/Loaders/Backhoes	offroad	3	6	50	100
5d	3/15/2025	5/17/2025	air compressor	Air Compressors	offroad	2	6	45	75
5d	3/15/2025	5/17/2025	45-ton crane	Cranes	offroad	2	6	45	200
5d	3/15/2025	5/17/2025	diesel generator	Generator Sets	offroad	2	6	45	200
5d	3/15/2025	5/17/2025	concrete pumper	Pumps	offroad	2	6	45	500
5d	3/15/2025	5/17/2025	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	2	4	45	100
5d	3/15/2025	5/17/2025	welding truck/rig	Welders	offroad	2	6	45	50
5e	5/1/2025	5/16/2025	air compressor	Air Compressors	offroad	1	6	12	75
5e	5/1/2025	5/16/2025	140 ton crane	Cranes	offroad	1	6	12	320
5e	5/1/2025	5/16/2025	diesel generator	Generator Sets	offroad	1	6	12	100
5e	5/1/2025	5/16/2025	diesel pile hammer	Other Construction Equipment	offroad	1	6	12	400
5e	5/1/2025	5/16/2025	backhoe	Tractors/Loaders/Backhoes	offroad	2	4	12	100
5f	6/1/2025	6/22/2025	air compressor	Air Compressors	offroad	1	6	15	75
5f	6/1/2025	6/22/2025	45-ton crane	Cranes	offroad	1	6	15	200
5f	6/1/2025	6/22/2025	diesel generator	Generator Sets	offroad	1	6	15	200
5f	6/1/2025	6/22/2025	dump truck	Off-Highway Trucks	offroad	10	2	15	380
5f	6/1/2025	6/22/2025	concrete pumper	Pumps	offroad	1	4	15	500
5f	6/1/2025	6/22/2025	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	2	4	15	100
5g	11/1/2025	11/29/2025	air compressor	Air Compressors	offroad	1	6	20	75
5g	11/1/2025	11/29/2025	140 ton crane	Cranes	offroad	1	6	20	320
5g	11/1/2025	11/29/2025	manlift	Cranes	offroad	3	4	20	100
5g	11/1/2025	11/29/2025	Forklift	Forklifts	offroad	1	6	20	150
5g	11/1/2025	11/29/2025	diesel generator	Generator Sets	offroad	1	6	20	200
5g	11/1/2025	11/29/2025	welding rig	Welders	offroad	1	6	20	50
5h	6/1/2025	9/21/2025	air compressor	Air Compressors	offroad	4	6	80	75
5h	6/1/2025	9/21/2025	140 ton crane	Cranes	offroad	1	4	80	320
5h	6/1/2025	9/21/2025	45 ton crane	Cranes	offroad	1	6	80	200
5h	6/1/2025	9/21/2025	diesel generator	Generator Sets	offroad	4	6	80	200
5h	6/1/2025	9/21/2025	welding rig	Welders	offroad	4	6	80	50
5i	2/1/2026	3/1/2026	air compressor	Air Compressors	offroad	2	6	20	75
5i	2/1/2026	3/1/2026	140 ton crane	Cranes	offroad	1	4	20	320
5i	2/1/2026	3/1/2026	45 ton crane	Cranes	offroad	1	4	20	200
5i	2/1/2026	3/1/2026	manlift	Cranes	offroad	2	4	20	100
5i	2/1/2026	3/1/2026	diesel generator	Generator Sets	offroad	2	6	20	200
5i	2/1/2026	3/1/2026	welding rig	Welders	offroad	3	6	20	50
5j	4/1/2026	5/20/2026	air compressor	Air Compressors	offroad	2	6	36	75
5j	4/1/2026	5/20/2026	140 ton crane	Cranes	offroad	1	4	36	320
5j	4/1/2026	5/20/2026	45 ton crane	Cranes	offroad	1	4	36	200
5j	4/1/2026	5/20/2026	diesel generator	Generator Sets	offroad	2	6	36	200
5j	4/1/2026	5/20/2026	welding rig	Welders	offroad	3	6	36	50
5k	12/1/2025	5/11/2026	air compressor	Air Compressors	offroad	2	6	116	75
5k	12/1/2025	5/11/2026	140 ton crane	Cranes	offroad	1	4	116	320
5k	12/1/2025	5/11/2026	45 ton crane	Cranes	offroad	2	4	116	200
5k	12/1/2025	5/11/2026	diesel generator	Generator Sets	offroad	2	6	116	200
5k	12/1/2025	5/11/2026	welding rig	Welders	offroad	3	6	116	50
5l	2/1/2026	7/15/2026	air compressor	Air Compressors	offroad	3	6	118	75
5l	2/1/2026	7/15/2026	45 ton crane	Cranes	offroad	1	4	118	200
5l	2/1/2026	7/15/2026	diesel generator	Generator Sets	offroad	3	6	118	200
5m	8/15/2026	1/23/2027	air compressor	Air Compressors	offroad	3	6	115	75
5m	8/15/2026	1/23/2027	140 ton crane	Cranes	offroad	1	2	115	320
5m	8/15/2026	1/23/2027	45 ton crane	Cranes	offroad	2	4	115	200
5m	8/15/2026	1/23/2027	diesel generator	Generator Sets	offroad	2	6	115	200
5m	8/15/2026	1/23/2027	welding rig	Welders	offroad	1	3	115	50
6	Phase 6 - Berth 150-151 Clean-up Dredging (2,000 CY)								
6a	12/1/2025	12/8/2025	Tugboat Generator	Tugboat Auxiliary	marine	1	8	7	60
6a	12/1/2025	12/8/2025	Tugboat Deck Winch	Tugboat Auxiliary	marine	1	1	7	160
6a	12/1/2025	12/8/2025	Tugboat Propulsion	Tugboat Propulsion	marine	1	1	7	1200
6a	12/1/2025	12/8/2025	Survey Boat Auxiliary	Crew Boat Auxiliary	marine	1	8	7	62
6a	12/1/2025	12/8/2025	Survey Boat Propulsion	Crew Boat Propulsion	marine	1	1	7	150
6a	12/1/2025	12/8/2025	Clamshell Dredge (150T derrick barge)	Other Construction Equipment	offroad	1	8	7	800
7	Phaes 7 - Marine Terminal Electrical Infrastructure Project								
7a	4/1/2025	5/30/2025	air compressor	Air Compressors	offroad	2	6	44	75
7a	4/1/2025	5/30/2025	45-ton crane	Cranes	offroad	1	3	44	200
7a	4/1/2025	5/30/2025	diesel generator	Generator Sets	offroad	1	6	44	200

Construction Equipment Activity by Phase - Proposed Project

						Construction Equipment			
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Number of Pieces (haul truck total loads, delivery truck total loads, workers/day)	Utilization (hr/day)	Total days	Horsepower
7a	4/1/2025	5/30/2025	concrete pumper	Pumps	offroad	1	2	44	500
7a	4/1/2025	5/30/2025	forklift/backhoe	Tractors/Loaders/Backhoes	offroad	2	3	44	100
7b	6/1/2025	12/30/2025	air compressor	Air Compressors	offroad	3	3	152	75
7b	6/1/2025	12/30/2025	45 ton crane	Cranes	offroad	2	2	152	200
7b	6/1/2025	12/30/2025	manlift	Cranes	offroad	3	5	152	100
7b	6/1/2025	12/30/2025	diesel generator	Generator Sets	offroad	2	6	152	200
7b	6/1/2025	12/30/2025	welding rig	Welders	offroad	1	4	152	50
9	Phase 1 - Tank Farm Capacity Restoration (Tanks 218, 267, 268, 216)								
9a	7/1/2026	7/7/2026	Air Compressor	Air Compressors	offroad	1	8	5	75
9a	7/1/2026	7/7/2026	Man Lift	Cranes	offroad	1	8	5	100
9a	7/1/2026	7/7/2026	Fork Lift	Forklifts	offroad	1	8	5	100
9a	7/1/2026	7/7/2026	Diesel Generator	Generator Sets	offroad	1	8	5	50
9a	7/1/2026	7/7/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
9a	7/1/2026	7/7/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
9b	7/8/2026	7/22/2026	Air Compressor	Air Compressors	offroad	1	8	11	75
9b	7/8/2026	7/22/2026	Fork Lift	Forklifts	offroad	1	4	11	100
9b	7/8/2026	7/22/2026	Diesel Generator	Generator Sets	offroad	1	8	11	50
9b	7/8/2026	7/22/2026	Graders	Graders	offroad	1	4	11	500
9b	7/8/2026	7/22/2026	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	11	370
9b	7/8/2026	7/22/2026	Roller	Rollers	offroad	1	8	11	120
9b	7/8/2026	7/22/2026	Scrapers	Scrapers	offroad	1	4	11	250
9b	7/8/2026	7/22/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	11	120
9b	7/8/2026	7/22/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	11	120
9b	7/8/2026	7/22/2026	Ditch Witch	Trenchers	offroad	1	8	11	50
9c	7/22/2026	8/5/2026	Air Compressor	Air Compressors	offroad	1	8	11	75
9c	7/22/2026	8/5/2026	Man Lift	Cranes	offroad	1	8	11	100
9c	7/22/2026	8/5/2026	Fork Lift	Forklifts	offroad	1	8	11	100
9c	7/22/2026	8/5/2026	Diesel Generator	Generator Sets	offroad	1	8	11	50
9c	7/22/2026	8/5/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9c	7/22/2026	8/5/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9d	7/22/2026	9/2/2026	Air Compressor	Air Compressors	offroad	2	8	31	75
9d	7/22/2026	9/2/2026	Man Lift	Cranes	offroad	1	4	31	100
9d	7/22/2026	9/2/2026	100-Ton Crane	Cranes	offroad	1	4	31	500
9d	7/22/2026	9/2/2026	Fork Lift	Forklifts	offroad	1	4	31	100
9d	7/22/2026	9/2/2026	Diesel Generator	Generator Sets	offroad	4	8	31	50
9d	7/22/2026	9/2/2026	Light Plant	Other General Industrial Equipment	offroad	3	8	31	50
9d	7/22/2026	9/2/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	31	120
9d	7/22/2026	9/2/2026	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	31	500
9d	7/22/2026	9/2/2026	Welding Truck/Rig	Welders	offroad	4	8	31	50
9e	8/5/2026	9/2/2026	Air Compressor	Air Compressors	offroad	1	8	21	75
9e	8/5/2026	9/2/2026	Fork Lift	Forklifts	offroad	1	4	21	100
9e	8/5/2026	9/2/2026	Diesel Generator	Generator Sets	offroad	1	8	21	50
9e	8/5/2026	9/2/2026	Graders	Graders	offroad	1	4	21	500
9e	8/5/2026	9/2/2026	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	21	370
9e	8/5/2026	9/2/2026	Roller	Rollers	offroad	1	8	21	120
9e	8/5/2026	9/2/2026	Scrapers	Scrapers	offroad	1	4	21	250
9e	8/5/2026	9/2/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	21	120
9e	8/5/2026	9/2/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	21	120
9e	8/5/2026	9/2/2026	Ditch Witch	Trenchers	offroad	1	8	21	50
9f	9/3/2026	3/20/2027	Air Compressor	Air Compressors	offroad	2	8	142	75
9f	9/3/2026	3/20/2027	Man Lift	Cranes	offroad	1	4	142	100
9f	9/3/2026	3/20/2027	100-Ton Crane	Cranes	offroad	1	4	142	500
9f	9/3/2026	3/20/2027	Fork Lift	Forklifts	offroad	1	4	142	100
9f	9/3/2026	3/20/2027	Diesel Generator	Generator Sets	offroad	4	8	142	50
9f	9/3/2026	3/20/2027	Light Plant	Other General Industrial Equipment	offroad	3	8	142	50
9f	9/3/2026	3/20/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	142	120
9f	9/3/2026	3/20/2027	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	142	500
9f	9/3/2026	3/20/2027	Welding Truck/Rig	Welders	offroad	4	8	142	50
9g	9/17/2026	10/1/2026	Air Compressor	Air Compressors	offroad	1	8	11	75
9g	9/17/2026	10/1/2026	Man Lift	Cranes	offroad	1	8	11	100
9g	9/17/2026	10/1/2026	Fork Lift	Forklifts	offroad	1	8	11	100
9g	9/17/2026	10/1/2026	Diesel Generator	Generator Sets	offroad	1	8	11	50
9g	9/17/2026	10/1/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9g	9/17/2026	10/1/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9h	9/30/2026	10/28/2026	Air Compressor	Air Compressors	offroad	1	8	21	75
9h	9/30/2026	10/28/2026	Fork Lift	Forklifts	offroad	1	4	21	100
9h	9/30/2026	10/28/2026	Diesel Generator	Generator Sets	offroad	1	8	21	50
9h	9/30/2026	10/28/2026	Graders	Graders	offroad	1	4	21	500
9h	9/30/2026	10/28/2026	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	21	370
9h	9/30/2026	10/28/2026	Roller	Rollers	offroad	1	8	21	120
9h	9/30/2026	10/28/2026	Scrapers	Scrapers	offroad	1	4	21	250
9h	9/30/2026	10/28/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	21	120
9h	9/30/2026	10/28/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	21	120
9h	9/30/2026	10/28/2026	Ditch Witch	Trenchers	offroad	1	8	21	50
9i	11/26/2026	12/10/2026	Air Compressor	Air Compressors	offroad	1	8	11	75
9i	11/26/2026	12/10/2026	Man Lift	Cranes	offroad	1	8	11	100
9i	11/26/2026	12/10/2026	Fork Lift	Forklifts	offroad	1	8	11	100
9i	11/26/2026	12/10/2026	Diesel Generator	Generator Sets	offroad	1	8	11	50
9i	11/26/2026	12/10/2026	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9i	11/26/2026	12/10/2026	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	11	120
9j	12/23/2026	1/27/2027	Air Compressor	Air Compressors	offroad	1	8	26	75
9j	12/23/2026	1/27/2027	Fork Lift	Forklifts	offroad	1	4	26	100
9j	12/23/2026	1/27/2027	Diesel Generator	Generator Sets	offroad	1	8	26	50
9j	12/23/2026	1/27/2027	Graders	Graders	offroad	1	4	26	500
9j	12/23/2026	1/27/2027	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	26	370
9j	12/23/2026	1/27/2027	Roller	Rollers	offroad	1	8	26	120
9j	12/23/2026	1/27/2027	Scrapers	Scrapers	offroad	1	4	26	250
9j	12/23/2026	1/27/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	26	120
9j	12/23/2026	1/27/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	26	120
9j	12/23/2026	1/27/2027	Ditch Witch	Trenchers	offroad	1	8	26	50
9k	3/21/2027	6/13/2027	Air Compressor	Air Compressors	offroad	2	8	60	75
9k	3/21/2027	6/13/2027	Man Lift	Cranes	offroad	1	4	60	100
9k	3/21/2027	6/13/2027	100-Ton Crane	Cranes	offroad	1	4	60	500
9k	3/21/2027	6/13/2027	Fork Lift	Forklifts	offroad	1	4	60	100
9k	3/21/2027	6/13/2027	Diesel Generator	Generator Sets	offroad	4	8	60	50
9k	3/21/2027	6/13/2027	Light Plant	Other General Industrial Equipment	offroad	3	8	60	50
9k	3/21/2027	6/13/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	60	120
9k	3/21/2027	6/13/2027	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	60	500
9k	3/21/2027	6/13/2027	Welding Truck/Rig	Welders	offroad	4	8	60	50
10	Phase 2 - Tank Farm Capacity Restoration (Tanks 375, 379, 413, 259)								
10a	7/1/2027	7/7/2027	Air Compressor	Air Compressors	offroad	1	8	5	75
10a	7/1/2027	7/7/2027	Man Lift	Cranes	offroad	1	8	5	100
10a	7/1/2027	7/7/2027	Fork Lift	Forklifts	offroad	1	8	5	100
10a	7/1/2027	7/7/2027	Diesel Generator	Generator Sets	offroad	1	8	5	50
10a	7/1/2027	7/7/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10a	7/1/2027	7/7/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10b	7/8/2027	7/22/2027	Air Compressor	Air Compressors	offroad	1	8	11	75
10b	7/8/2027	7/22/2027	Fork Lift	Forklifts	offroad	1	4	11	100
10b	7/8/2027	7/22/2027	Diesel Generator	Generator Sets	offroad	1	8	11	50
10b	7/8/2027	7/22/2027	Graders	Graders	offroad	1	4	11	500
10b	7/8/2027	7/22/2027	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	11	370
10b	7/8/2027	7/22/2027	Roller	Rollers	offroad	1	8	11	120
10b	7/8/2027	7/22/2027	Scrapers	Scrapers	offroad	1	4	11	250
10b	7/8/2027	7/22/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	11	120

Construction Equipment Activity by Phase - Proposed Project

						Construction Equipment			
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Number of Pieces (haul truck total loads, delivery truck total loads, workers/day)	Utilization (hr/day)	Total days	Horsepower
10b	7/8/2027	7/22/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	11	120
10b	7/8/2027	7/22/2027	Ditch Witch	Trenchers	offroad	1	8	11	50
10c	7/22/2027	10/7/2027	Air Compressor	Air Compressors	offroad	2	8	56	75
10c	7/22/2027	10/7/2027	Man Lift	Cranes	offroad	1	4	56	100
10c	7/22/2027	10/7/2027	100-Ton Crane	Cranes	offroad	1	4	56	500
10c	7/22/2027	10/7/2027	Fork Lift	Forklifts	offroad	1	4	56	100
10c	7/22/2027	10/7/2027	Diesel Generator	Generator Sets	offroad	4	8	56	50
10c	7/22/2027	10/7/2027	Light Plant	Other General Industrial Equipment	offroad	3	8	56	50
10c	7/22/2027	10/7/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	56	120
10c	7/22/2027	10/7/2027	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	56	500
10c	7/22/2027	10/7/2027	Welding Truck/Rig	Welders	offroad	4	8	56	50
10d	9/16/2027	9/22/2027	Air Compressor	Air Compressors	offroad	1	8	5	75
10d	9/16/2027	9/22/2027	Man Lift	Cranes	offroad	1	8	5	100
10d	9/16/2027	9/22/2027	Fork Lift	Forklifts	offroad	1	8	5	100
10d	9/16/2027	9/22/2027	Diesel Generator	Generator Sets	offroad	1	8	5	50
10d	9/16/2027	9/22/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10d	9/16/2027	9/22/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10e	9/16/2027	9/30/2027	Air Compressor	Air Compressors	offroad	1	8	11	75
10e	9/16/2027	9/30/2027	Fork Lift	Forklifts	offroad	1	4	11	100
10e	9/16/2027	9/30/2027	Diesel Generator	Generator Sets	offroad	1	8	11	50
10e	9/16/2027	9/30/2027	Graders	Graders	offroad	1	4	11	500
10e	9/16/2027	9/30/2027	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	11	370
10e	9/16/2027	9/30/2027	Roller	Rollers	offroad	1	8	11	120
10e	9/16/2027	9/30/2027	Scrapers	Scrapers	offroad	1	4	11	250
10e	9/16/2027	9/30/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	11	120
10e	9/16/2027	9/30/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	11	120
10e	9/16/2027	9/30/2027	Ditch Witch	Trenchers	offroad	1	8	11	50
10f	10/7/2027	10/28/2027	Air Compressor	Air Compressors	offroad	4	8	16	75
10f	10/7/2027	10/28/2027	Man Lift	Cranes	offroad	2	4	16	100
10f	10/7/2027	10/28/2027	100-Ton Crane	Cranes	offroad	2	4	16	500
10f	10/7/2027	10/28/2027	Fork Lift	Forklifts	offroad	2	4	16	100
10f	10/7/2027	10/28/2027	Diesel Generator	Generator Sets	offroad	8	8	16	50
10f	10/7/2027	10/28/2027	Light Plant	Other General Industrial Equipment	offroad	6	8	16	50
10f	10/7/2027	10/28/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	2	4	16	120
10f	10/7/2027	10/28/2027	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	2	2	16	500
10f	10/7/2027	10/28/2027	Welding Truck/Rig	Welders	offroad	8	8	16	50
10g	11/1/2027	12/25/2027	Air Compressor	Air Compressors	offroad	2	8	40	75
10g	11/1/2027	12/25/2027	Man Lift	Cranes	offroad	1	4	40	100
10g	11/1/2027	12/25/2027	100-Ton Crane	Cranes	offroad	1	4	40	500
10g	11/1/2027	12/25/2027	Fork Lift	Forklifts	offroad	1	4	40	100
10g	11/1/2027	12/25/2027	Diesel Generator	Generator Sets	offroad	4	8	40	50
10g	11/1/2027	12/25/2027	Light Plant	Other General Industrial Equipment	offroad	3	8	40	50
10g	11/1/2027	12/25/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	40	120
10g	11/1/2027	12/25/2027	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	40	500
10g	11/1/2027	12/25/2027	Welding Truck/Rig	Welders	offroad	4	8	40	50
10h	12/2/2027	12/8/2027	Air Compressor	Air Compressors	offroad	1	8	5	75
10h	12/2/2027	12/8/2027	Man Lift	Cranes	offroad	1	8	5	100
10h	12/2/2027	12/8/2027	Fork Lift	Forklifts	offroad	1	8	5	100
10h	12/2/2027	12/8/2027	Diesel Generator	Generator Sets	offroad	1	8	5	50
10h	12/2/2027	12/8/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10h	12/2/2027	12/8/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10i	12/9/2027	12/23/2027	Air Compressor	Air Compressors	offroad	1	8	11	75
10i	12/9/2027	12/23/2027	Fork Lift	Forklifts	offroad	1	4	11	100
10i	12/9/2027	12/23/2027	Diesel Generator	Generator Sets	offroad	1	8	11	50
10i	12/9/2027	12/23/2027	Graders	Graders	offroad	1	4	11	500
10i	12/9/2027	12/23/2027	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	11	370
10i	12/9/2027	12/23/2027	Roller	Rollers	offroad	1	8	11	120
10i	12/9/2027	12/23/2027	Scrapers	Scrapers	offroad	1	4	11	250
10i	12/9/2027	12/23/2027	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	11	120
10i	12/9/2027	12/23/2027	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	11	120
10i	12/9/2027	12/23/2027	Ditch Witch	Trenchers	offroad	1	8	11	50
10j	12/23/2027	1/13/2028	Air Compressor	Air Compressors	offroad	4	8	16	75
10j	12/23/2027	1/13/2028	Man Lift	Cranes	offroad	2	4	16	100
10j	12/23/2027	1/13/2028	100-Ton Crane	Cranes	offroad	2	4	16	500
10j	12/23/2027	1/13/2028	Fork Lift	Forklifts	offroad	2	4	16	100
10j	12/23/2027	1/13/2028	Diesel Generator	Generator Sets	offroad	8	8	16	50
10j	12/23/2027	1/13/2028	Light Plant	Other General Industrial Equipment	offroad	6	8	16	50
10j	12/23/2027	1/13/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	2	4	16	120
10j	12/23/2027	1/13/2028	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	2	2	16	500
10j	12/23/2027	1/13/2028	Welding Truck/Rig	Welders	offroad	8	8	16	50
10k	1/13/2028	3/10/2028	Air Compressor	Air Compressors	offroad	2	8	42	75
10k	1/13/2028	3/10/2028	Man Lift	Cranes	offroad	1	4	42	100
10k	1/13/2028	3/10/2028	100-Ton Crane	Cranes	offroad	1	4	42	500
10k	1/13/2028	3/10/2028	Fork Lift	Forklifts	offroad	1	4	42	100
10k	1/13/2028	3/10/2028	Diesel Generator	Generator Sets	offroad	4	8	42	50
10k	1/13/2028	3/10/2028	Light Plant	Other General Industrial Equipment	offroad	3	8	42	50
10k	1/13/2028	3/10/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	42	120
10k	1/13/2028	3/10/2028	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	42	500
10k	1/13/2028	3/10/2028	Welding Truck/Rig	Welders	offroad	4	8	42	50
10l	2/17/2028	2/23/2028	Air Compressor	Air Compressors	offroad	1	8	5	75
10l	2/17/2028	2/23/2028	Man Lift	Cranes	offroad	1	8	5	100
10l	2/17/2028	2/23/2028	Fork Lift	Forklifts	offroad	1	8	5	100
10l	2/17/2028	2/23/2028	Diesel Generator	Generator Sets	offroad	1	8	5	50
10l	2/17/2028	2/23/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10l	2/17/2028	2/23/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
10m	2/24/2028	3/10/2028	Air Compressor	Air Compressors	offroad	1	8	12	75
10m	2/24/2028	3/10/2028	Fork Lift	Forklifts	offroad	1	4	12	100
10m	2/24/2028	3/10/2028	Diesel Generator	Generator Sets	offroad	1	8	12	50
10m	2/24/2028	3/10/2028	Graders	Graders	offroad	1	4	12	500
10m	2/24/2028	3/10/2028	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	12	370
10m	2/24/2028	3/10/2028	Roller	Rollers	offroad	1	8	12	120
10m	2/24/2028	3/10/2028	Scrapers	Scrapers	offroad	1	4	12	250
10m	2/24/2028	3/10/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	12	120
10m	2/24/2028	3/10/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	12	120
10m	2/24/2028	3/10/2028	Ditch Witch	Trenchers	offroad	1	8	12	50
10n	3/10/2028	3/31/2028	Air Compressor	Air Compressors	offroad	4	8	16	75
10n	3/10/2028	3/31/2028	Man Lift	Cranes	offroad	2	4	16	100
10n	3/10/2028	3/31/2028	100-Ton Crane	Cranes	offroad	2	4	16	500
10n	3/10/2028	3/31/2028	Fork Lift	Forklifts	offroad	2	4	16	100
10n	3/10/2028	3/31/2028	Diesel Generator	Generator Sets	offroad	8	8	16	50
10n	3/10/2028	3/31/2028	Light Plant	Other General Industrial Equipment	offroad	6	8	16	50
10n	3/10/2028	3/31/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	2	4	16	120

Construction Equipment Activity by Phase - Proposed Project

						Construction Equipment			
Task ID	Start Date	End Date	Equipment	Equip Type	Type (offroad/onroad/marine)	Number of Pieces (haul truck total loads, delivery truck total loads, workers/day)	Utilization (hr/day)	Total days	Horsepower
10n	3/10/2028	3/31/2028	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	2	2	16	500
10n	3/10/2028	3/31/2028	Welding Truck/Rig	Welders	offroad	8	8	16	50
10o	4/1/2028	6/17/2028	Air Compressor	Air Compressors	offroad	2	8	55	75
10o	4/1/2028	6/17/2028	Man Lift	Cranes	offroad	1	4	55	100
10o	4/1/2028	6/17/2028	100-Ton Crane	Cranes	offroad	1	4	55	500
10o	4/1/2028	6/17/2028	Fork Lift	Forklifts	offroad	1	4	55	100
10o	4/1/2028	6/17/2028	Diesel Generator	Generator Sets	offroad	4	8	55	50
10o	4/1/2028	6/17/2028	Light Plant	Other General Industrial Equipment	offroad	3	8	55	50
10o	4/1/2028	6/17/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	55	120
10o	4/1/2028	6/17/2028	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	55	500
10o	4/1/2028	6/17/2028	Welding Truck/Rig	Welders	offroad	4	8	55	50
11	Phase 3 - Tank Farm Capacity Restoration (Tanks 260, 346, 347)								
11a	7/1/2028	7/7/2028	Air Compressor	Air Compressors	offroad	1	8	5	75
11a	7/1/2028	7/7/2028	Man Lift	Cranes	offroad	1	8	5	100
11a	7/1/2028	7/7/2028	Fork Lift	Forklifts	offroad	1	8	5	100
11a	7/1/2028	7/7/2028	Diesel Generator	Generator Sets	offroad	1	8	5	50
11a	7/1/2028	7/7/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11a	7/1/2028	7/7/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11b	7/8/2028	7/22/2028	Air Compressor	Air Compressors	offroad	1	8	10	75
11b	7/8/2028	7/22/2028	Fork Lift	Forklifts	offroad	1	4	10	100
11b	7/8/2028	7/22/2028	Diesel Generator	Generator Sets	offroad	1	8	10	50
11b	7/8/2028	7/22/2028	Graders	Graders	offroad	1	4	10	500
11b	7/8/2028	7/22/2028	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	10	370
11b	7/8/2028	7/22/2028	Roller	Rollers	offroad	1	8	10	120
11b	7/8/2028	7/22/2028	Scrapers	Scrapers	offroad	1	4	10	250
11b	7/8/2028	7/22/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	10	120
11b	7/8/2028	7/22/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	10	120
11b	7/8/2028	7/22/2028	Ditch Witch	Trenchers	offroad	1	8	10	50
11c	7/22/2028	10/28/2028	Air Compressor	Air Compressors	offroad	2	8	70	75
11c	7/22/2028	10/28/2028	Man Lift	Cranes	offroad	1	4	70	100
11c	7/22/2028	10/28/2028	100-Ton Crane	Cranes	offroad	1	4	70	500
11c	7/22/2028	10/28/2028	Fork Lift	Forklifts	offroad	1	4	70	100
11c	7/22/2028	10/28/2028	Diesel Generator	Generator Sets	offroad	4	8	70	50
11c	7/22/2028	10/28/2028	Light Plant	Other General Industrial Equipment	offroad	3	8	70	50
11c	7/22/2028	10/28/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	70	120
11c	7/22/2028	10/28/2028	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	70	500
11c	7/22/2028	10/28/2028	Welding Truck/Rig	Welders	offroad	4	8	70	50
11d	10/28/2028	11/4/2028	Air Compressor	Air Compressors	offroad	1	8	5	75
11d	10/28/2028	11/4/2028	Man Lift	Cranes	offroad	1	8	5	100
11d	10/28/2028	11/4/2028	Fork Lift	Forklifts	offroad	1	8	5	100
11d	10/28/2028	11/4/2028	Diesel Generator	Generator Sets	offroad	1	8	5	50
11d	10/28/2028	11/4/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11d	10/28/2028	11/4/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11e	11/4/2028	11/18/2028	Air Compressor	Air Compressors	offroad	1	8	10	75
11e	11/4/2028	11/18/2028	Fork Lift	Forklifts	offroad	1	4	10	100
11e	11/4/2028	11/18/2028	Diesel Generator	Generator Sets	offroad	1	8	10	50
11e	11/4/2028	11/18/2028	Graders	Graders	offroad	1	4	10	500
11e	11/4/2028	11/18/2028	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	10	370
11e	11/4/2028	11/18/2028	Roller	Rollers	offroad	1	8	10	120
11e	11/4/2028	11/18/2028	Scrapers	Scrapers	offroad	1	4	10	250
11e	11/4/2028	11/18/2028	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	10	120
11e	11/4/2028	11/18/2028	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	10	120
11e	11/4/2028	11/18/2028	Ditch Witch	Trenchers	offroad	1	8	10	50
11f	11/18/2028	2/24/2029	Air Compressor	Air Compressors	offroad	2	8	70	75
11f	11/18/2028	2/24/2029	Man Lift	Cranes	offroad	1	4	70	100
11f	11/18/2028	2/24/2029	100-Ton Crane	Cranes	offroad	1	4	70	500
11f	11/18/2028	2/24/2029	Fork Lift	Forklifts	offroad	1	4	70	100
11f	11/18/2028	2/24/2029	Diesel Generator	Generator Sets	offroad	4	8	70	50
11f	11/18/2028	2/24/2029	Light Plant	Other General Industrial Equipment	offroad	3	8	70	50
11f	11/18/2028	2/24/2029	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	70	120
11f	11/18/2028	2/24/2029	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	70	500
11f	11/18/2028	2/24/2029	Welding Truck/Rig	Welders	offroad	4	8	70	50
11g	2/24/2029	3/3/2029	Air Compressor	Air Compressors	offroad	1	8	5	75
11g	2/24/2029	3/3/2029	Man Lift	Cranes	offroad	1	8	5	100
11g	2/24/2029	3/3/2029	Fork Lift	Forklifts	offroad	1	8	5	100
11g	2/24/2029	3/3/2029	Diesel Generator	Generator Sets	offroad	1	8	5	50
11g	2/24/2029	3/3/2029	Backhoe	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11g	2/24/2029	3/3/2029	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	8	5	120
11h	3/2/2029	3/16/2029	Air Compressor	Air Compressors	offroad	1	8	11	75
11h	3/2/2029	3/16/2029	Fork Lift	Forklifts	offroad	1	4	11	100
11h	3/2/2029	3/16/2029	Diesel Generator	Generator Sets	offroad	1	8	11	50
11h	3/2/2029	3/16/2029	Graders	Graders	offroad	1	4	11	500
11h	3/2/2029	3/16/2029	Concrete Pump Truck	Off-Highway Trucks	offroad	1	8	11	370
11h	3/2/2029	3/16/2029	Roller	Rollers	offroad	1	8	11	120
11h	3/2/2029	3/16/2029	Scrapers	Scrapers	offroad	1	4	11	250
11h	3/2/2029	3/16/2029	Backhoe	Tractors/Loaders/Backhoes	offroad	1	4	11	120
11h	3/2/2029	3/16/2029	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	11	120
11h	3/2/2029	3/16/2029	Ditch Witch	Trenchers	offroad	1	8	11	50
11i	3/16/2029	6/22/2029	Air Compressor	Air Compressors	offroad	2	8	71	75
11i	3/16/2029	6/22/2029	Man Lift	Cranes	offroad	1	4	71	100
11i	3/16/2029	6/22/2029	100-Ton Crane	Cranes	offroad	1	4	71	500
11i	3/16/2029	6/22/2029	Fork Lift	Forklifts	offroad	1	4	71	100
11i	3/16/2029	6/22/2029	Diesel Generator	Generator Sets	offroad	4	8	71	50
11i	3/16/2029	6/22/2029	Light Plant	Other General Industrial Equipment	offroad	3	8	71	50
11i	3/16/2029	6/22/2029	Front End Loader	Tractors/Loaders/Backhoes	offroad	1	4	71	120
11i	3/16/2029	6/22/2029	Semi-Tractor	Tractors/Loaders/Backhoes	offroad	1	2	71	500
11i	3/16/2029	6/22/2029	Welding Truck/Rig	Welders	offroad	4	8	71	50
12a	Grading								
12a	7/1/2029	7/5/2029							
12a	7/1/2029	7/5/2029	Rubber Tired Dozers	Rubber Tired Dozers	offroad	1	8	4	247
12a	7/1/2029	7/5/2029	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	offroad	2	7	4	97
12a	7/1/2029	7/5/2029	Graders	Graders	offroad	1	8	4	187
12b	Asphalt Paving								
12b	8/1/2029	8/11/2029							
12b	8/1/2029	8/11/2029	Pavers	Pavers	offroad	1	8	10	130
12b	8/1/2029	8/11/2029	Cement and Mortar Mixers	Cement and Mortar Mixers	offroad	1	6	10	9
12b	8/1/2029	8/11/2029	Rollers	Rollers	offroad	2	6	10	80
12b	8/1/2029	8/11/2029	Tractors/Loaders/Backhoes	Tractors/Loaders/Backhoes	offroad	1	8	10	97
12b	8/1/2029	8/11/2029	Paving Equipment	Paving Equipment	offroad	1	6	10	132

Notes:
Haul and delivery vehicle counts reflect truck loads. These are multiplied by 2 to reflect 1-way trips in the calculations.
Pickup truck trips were not provided. Assumed 25 mph and used utilization (hr/day) to calculate VMT.
Workers transit 1-way (miles) 12.62 CalEEMod, Appendix G, Table G-15, Los Angeles County - South Coast, non residential home to work trips.
Tank Restoration:
Haul truck and delivery truck information was provided as a total for each of the following broad categories: Demolition/Hauling, Site Preparation/Ring Wall, and Tank Refurbishment. Since each of these categories has several subtasks taking place during different time periods, the haul truck and delivery truck activity was assigned to the first category in the list.

Onsite vehicle transit 1- way (miles) 0.14 calculated from GoogleEarth
Onsite idling (hr) 0.08 POLA Sustainable Construction Guidelines, 2009.

Source:
Equipment utilization for Task IDs 1 through 9 was provided by the Port in Copy of 2020-09-11 AQ ConstructionNeedsTemplate_P66 MNIQA (version 1).xlsx.
Equipment utilization for Task IDs: 9,10, and 11 was provided by the Port in Copy of Tank Work_AQ ConstructionNeedsTemplate_P66_IQA 092220 (version 1).xlsx.

Construction Equipment Load Factors - Proposed Project

Equipment	CalEEMod HP	CalEEMod LF	Fuel
Aerial Lifts	46	0.31	diesel
Air Compressors	37	0.48	diesel
Bore/Drill Rigs	83	0.5	diesel
Cement and Mortar Mixers	10	0.56	diesel
Concrete/Industrial Saws	33	0.73	diesel
Cranes	367	0.29	diesel
Crawler Tractors	87	0.43	diesel
Crushing/Proc. Equipment	12	0.85	gasoline
Dumpers/Tenders	16	0.38	diesel
Excavators	36	0.38	diesel
Forklifts	82	0.2	diesel
Generator Sets	14	0.74	diesel
Graders	148	0.41	diesel
Off-Highway Tractors	38	0.44	diesel
Off-Highway Trucks	376	0.38	diesel
Other Construction Equipment	82	0.42	diesel
Other General Industrial Equipment	35	0.34	diesel
Other Material Handling Equipment	93	0.4	diesel
Pavers	81	0.42	diesel
Paving Equipment	89	0.36	diesel
Plate Compactors	8	0.43	diesel
Pressure Washers	14	0.3	diesel
Pumps	11	0.74	diesel
Rollers	36	0.38	diesel
Rough Terrain Forklifts	96	0.4	diesel
Rubber Tired Dozers	367	0.4	diesel
Rubber Tired Loaders	150	0.36	diesel
Scrapers	423	0.48	diesel
Signal Boards	6	0.82	diesel
Skid Steer Loaders	71	0.37	diesel
Surfacing Equipment	399	0.3	diesel
Sweepers/Scrubbers	36	0.46	diesel
Tractors/Loaders/Backhoes	84	0.37	diesel
Trenchers	40	0.5	diesel
Welders	46	0.45	diesel

Source:
CalEEMod 2022, Appendix G, Table G-12.

Construction Equipment Engine Emission Factors - Proposed Project

		Emission Factor (g/hp-hr)									
Tier	High HP	PM10	PM2.5	DPM	NOX	SOX	CO	VOC	CO2	CH4	N2O
Tier 3	49	0.28	0.26	0.28	4.63	0.006	4.1	0.22	591.72	0.05	0.05
	74	0.19	0.18	0.19	2.74	0.006	3.7	0.09	591.72	0.05	0.05
	119	0.11	0.1	0.11	2.74	0.005	3.7	0.09	532.25	0.05	0.05
	174	0.11	0.1	0.11	2.32	0.005	3.7	0.09	532.25	0.05	0.05
	299	0.09	0.08	0.09	2.32	0.005	2.6	0.09	532.25	0.05	0.05
	599	0.09	0.08	0.09	2.32	0.005	2.6	0.09	532.25	0.05	0.05
	750	0.09	0.08	0.09	2.32	0.005	2.6	0.09	532.25	0.05	0.05
	999	0.09	0.08	0.09	2.32	0.005	2.6	0.09	532.25	0.05	0.05
Tier 4 Interim	49	0.13	0.12	0.13	4.55	0.006	4.1	0.09	591.72	0.05	0.05
	74	0.11	0.1	0.11	2.74	0.006	3.7	0.09	591.72	0.05	0.05
	119	0.01	0.01	0.01	2.15	0.005	3.7	0.08	532.25	0.05	0.05
	174	0.01	0.01	0.01	2.15	0.005	3.7	0.08	532.25	0.05	0.05
	299	0.01	0.01	0.01	1.29	0.005	2.6	0.06	532.25	0.05	0.05
	599	0.01	0.01	0.01	1.29	0.005	2.6	0.06	532.25	0.05	0.05
	750	0.01	0.01	0.01	1.29	0.005	2.6	0.06	532.25	0.05	0.05
	999	0.05	0.05	0.05	2.24	0.005	2.6	0.06	532.25	0.05	0.05
Tier 4 Final	49	0.01	0.01	0.01	2.75	0.006	4.1	0.09	591.72	0.05	0.05
	74	0.01	0.01	0.01	2.74	0.006	3.7	0.09	591.72	0.05	0.05
	119	0.01	0.01	0.01	0.26	0.005	3.7	0.05	532.25	0.05	0.05
	174	0.01	0.01	0.01	0.26	0.005	3.7	0.05	532.25	0.05	0.05
	299	0.01	0.01	0.01	0.26	0.005	2.6	0.05	532.25	0.05	0.05
	599	0.01	0.01	0.01	0.26	0.005	2.6	0.05	532.25	0.05	0.05
	750	0.01	0.01	0.01	0.26	0.005	2.6	0.05	532.25	0.05	0.05
	999	0.02	0.02	0.02	2.24	0.005	2.6	0.05	532.25	0.05	0.05

Notes:

Per Port direction (e-mail 1/31/2019 from Erin Sheehy), the unmitigated analysis assumes that all land-based off-road engines are Tier 4 (per the 2009 LAHD Sustainable Construction Guildelines) and all marine-based off-road engines are Tier 3.
Source:
Criteria pollutants:
PM, Nox , CO and VOC are from CalEEMod2022, Appendix G, Table G-13 OFFROAD Emission Factors by Engine Tier.
SOx is a function of fuel sulfur content and does not change with Tier. Table A-23
GHGs:
CO2, CH4, and N2O emission factors were obtained from 2022 Climate Registry Default Emission Factors in kg/gal. Diesel fuel use and BSFC were used to convert emission factors g/hp-hr.
Table A-26 Table A-25

Paved Road Dust Emission Factors - Proposed Project

Emission Source	Silt Loading (g/m2)	Particle Size Multiplier - PM10 (g/VMT)	Particle Size Multiplier - PM2.5 (g/VMT)	Average Vehicle Weight on Road (tons)	Fraction of Travel by Roadway Type	Uncontrolled PM10 Emission Factor (g/VMT)	Uncontrolled PM2.5 Emission Factor (g/VMT)
Onsite							
Onsite Transit	0.135	1.00	0.15	2.4		0.39	0.06
Offsite							
Freeway	0.015	1.00	0.15	2.4	0.44	0.05	0.01
Major	0.013	1.00	0.15	2.4	0.44	0.05	0.01
Collector	0.013	1.00	0.15	2.4	0.07	0.05	0.01
Local	0.135	1.00	0.15	2.4	0.05	0.39	0.06
Offsite Transit						0.07	0.01

Source:

[1] Emission factors are calculated using CARB Miscellaneous Process Methodology 7.9, Entrained Road Travel, Paved Road Dust, Revised and Updated March 2021. Conservatively, downward adjustment due to annual precipitation was omitted.

[2] Silt loading was obtained from CARB Miscellaneous Process Methodology 7.9, Tables 3a for freeways and 3c.1 for major and collecor roads. Silt loading for local roads and for onsite transit was obtained from Table 3.c.3 for local roadways for Los Angeles County.

[3] Fraction of travel by roadway type was obtaned from CARB Miscellaneous Process Methodology 7.9, Table 2.

Grading Dust Emission Factors - Proposed Project

Pollutant	Uncontrolled lb/VMT)	Uncontrolled (lb/acre)	Controlled (lb/acre)
PM10 (lb/acre)	1.543	1.06	0.28
PM2.5 (lb/acre)	0.167	0.11	0.03

Source:

[1] AP-42 Section 11.9.

[2] CalEEMod 2021, Appendix C, Section 4.4.

[3] Dust control - POLA Sustainable Construction Guidelines, 2009.

Equipment	Acres Graded per 8 hr day
Crawler Tractors	0.5
Graders	0.5
Rubber Tired Dozers	0.5
Scrapers	1

Source:

CalEEMod 2022, Appendix G, Table G-14.

Bulldozing Dust Emission Factors - Proposed Project

Pollutant	Uncontrolled (lb/hr)	Controlled (lb/hr)
PM10 (lb/hr)	0.7528	0.196
PM2.5 (lb/hr)	0.4138	0.108

Source:

[1] AP-42 Section 11.9.

[2] CalEEMod 2022, Appendix C, Section 4.4.2.

Material/Soil Loading Handling Dust Emission Factors - Proposed Project

Pollutant	Uncontrolled (lb/ton)
PM10 (lb/ton)	0.0560
PM2.5 (lb/ton)	0.0085

Source:

[1] AP-42, p. 13.2.4 & CalEEMod 2021 Appendix C, Section 4.2.3.

[2] Soil density: CalEEMod 2020, Appendix A, p.11.

Debris Loading Dust Emision Factors - Proposed Project

Pollutant	Uncontrolled (lb/ton)
PM10 (lb/ton)	0.0203
PM2.5 (lb/ton)	0.0031

Source:

[1] CalEEMod 2021, Appendix C, Section 4.5.2.

Asphalt Paving Emission Factor - Proposed Project

Pollutant	Uncontrolled (lb/acfre)
VOC (lb/acre)	2.62

Source:

[1] CalEEMod, Appendix A, Section 4.9.

Vehicle Emission Factors, Summarized - Proposed Project

Year	Vehicle Type	Units	PM10 brake wear	PM10 tire wear	PM2.5 brake wear	PM2.5 tire wear	PM10	PM2.5	DPM	NOX	SOX	CO	VOC	CO2	CH4	N2O
Transit Offsite																
2024	Worker Vehicles	g/mi	0.009	0.008	0.003	0.002	0.002	0.002		0.084	0.003	1.194	0.049	300.738	0.011	0.009
2025	Worker Vehicles	g/mi	0.009	0.008	0.003	0.002	0.002	0.002		0.077	0.003	1.117	0.045	292.188	0.010	0.009
2026	Worker Vehicles	g/mi	0.009	0.008	0.003	0.002	0.002	0.001		0.072	0.003	1.055	0.042	284.881	0.010	0.008
2027	Worker Vehicles	g/mi	0.008	0.008	0.003	0.002	0.001	0.001		0.067	0.003	1.000	0.039	278.329	0.009	0.008
2028	Worker Vehicles	g/mi	0.008	0.008	0.003	0.002	0.001	0.001		0.063	0.003	0.954	0.036	272.279	0.009	0.008
2029	Worker Vehicles	g/mi	0.008	0.008	0.003	0.002	0.001	0.001		0.059	0.003	0.914	0.034	266.767	0.008	0.007
2024	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.011	0.011	0.011	1.385	0.010	0.079	0.019	1088.406	0.001	0.171
2025	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.010	0.009	0.010	1.329	0.010	0.072	0.016	1084.001	0.001	0.171
2026	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.009	0.008	0.009	1.274	0.010	0.066	0.014	1079.662	0.001	0.170
2027	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.008	0.008	0.008	1.222	0.010	0.061	0.012	1076.131	0.001	0.170
2028	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.007	0.007	0.007	1.168	0.010	0.056	0.011	1071.112	0.001	0.169
2029	Delivery Trucks	g/mi	0.043	0.012	0.015	0.003	0.007	0.006	0.007	1.116	0.010	0.053	0.010	1066.042	0.000	0.168
2024	Haul Trucks	g/mi	0.077	0.036	0.027	0.009	0.024	0.023	0.024	2.267	0.015	0.071	0.014	1541.793	0.001	0.243
2025	Haul Trucks	g/mi	0.077	0.036	0.027	0.009	0.024	0.023	0.024	2.262	0.014	0.068	0.014	1527.419	0.001	0.241
2026	Haul Trucks	g/mi	0.078	0.036	0.027	0.009	0.024	0.023	0.024	2.254	0.014	0.065	0.013	1513.021	0.001	0.238
2027	Haul Trucks	g/mi	0.078	0.036	0.027	0.009	0.024	0.023	0.024	2.238	0.014	0.061	0.013	1497.764	0.001	0.236
2028	Haul Trucks	g/mi	0.078	0.036	0.027	0.009	0.024	0.023	0.024	2.212	0.014	0.058	0.012	1481.297	0.001	0.233
2029	Haul Trucks	g/mi	0.079	0.036	0.028	0.009	0.024	0.023	0.024	2.183	0.014	0.055	0.012	1464.537	0.001	0.231
Transit Onsite																
2024	Delivery Trucks	g/mi	0.061		0.022		0.037	0.036	0.037	2.394	0.019	0.362	0.153	1997.787	0.007	0.315
2025	Delivery Trucks	g/mi	0.061		0.022		0.031	0.030	0.031	2.266	0.019	0.333	0.132	1984.815	0.006	0.313
2026	Delivery Trucks	g/mi	0.061		0.022		0.025	0.024	0.025	2.135	0.019	0.305	0.112	1971.341	0.005	0.311
2027	Delivery Trucks	g/mi	0.061		0.022		0.021	0.020	0.021	2.024	0.019	0.282	0.097	1957.458	0.004	0.308
2028	Delivery Trucks	g/mi	0.061		0.022		0.017	0.017	0.017	1.921	0.018	0.263	0.084	1944.227	0.004	0.306
2029	Delivery Trucks	g/mi	0.061		0.022		0.015	0.014	0.015	1.830	0.018	0.248	0.074	1931.306	0.003	0.304
2024	Haul Trucks	g/mi	0.137		0.048		0.008	0.008	0.008	7.198	0.026	0.764	0.076	2734.908	0.004	0.431
2025	Haul Trucks	g/mi	0.137		0.048		0.008	0.008	0.008	7.196	0.025	0.738	0.073	2684.027	0.003	0.423
2026	Haul Trucks	g/mi	0.138		0.048		0.008	0.008	0.008	7.179	0.025	0.714	0.071	2635.906	0.003	0.415
2027	Haul Trucks	g/mi	0.138		0.048		0.008	0.008	0.008	7.153	0.025	0.691	0.069	2587.774	0.003	0.408
2028	Haul Trucks	g/mi	0.139		0.049		0.008	0.008	0.008	7.109	0.024	0.669	0.067	2540.324	0.003	0.400
2029	Haul Trucks	g/mi	0.140		0.049		0.008	0.008	0.008	7.063	0.024	0.649	0.065	2494.715	0.003	0.393
Idling Onsite																
2024	Delivery Trucks	g/hr					0.055	0.053	0.055	32.135	0.059	21.785	0.521	6192.603	0.029	0.000
2025	Delivery Trucks	g/hr					0.046	0.044	0.046	30.995	0.059	21.698	0.501	6144.929	0.028	0.000
2026	Delivery Trucks	g/hr					0.038	0.036	0.038	29.746	0.058	21.627	0.484	6096.213	0.027	0.000
2027	Delivery Trucks	g/hr					0.032	0.030	0.032	28.572	0.058	21.571	0.471	6047.312	0.026	0.000
2028	Delivery Trucks	g/hr					0.027	0.025	0.027	27.455	0.057	21.529	0.461	5999.540	0.026	0.000
2029	Delivery Trucks	g/hr					0.023	0.022	0.023	26.429	0.057	21.495	0.452	5952.705	0.025	0.000
2024	Haul Trucks	g/hr					0.011	0.011	0.011	27.986	0.054	34.758	1.974	5695.385	0.110	0.000
2025	Haul Trucks	g/hr					0.011	0.011	0.011	27.458	0.054	34.787	1.973	5622.043	0.110	0.000
2026	Haul Trucks	g/hr					0.011	0.010	0.011	26.811	0.053	34.812	1.972	5551.653	0.110	0.000
2027	Haul Trucks	g/hr					0.011	0.010	0.011	26.210	0.052	34.839	1.971	5480.090	0.110	0.000
2028	Haul Trucks	g/hr					0.011	0.010	0.011	25.612	0.052	34.862	1.971	5408.103	0.110	0.000
2029	Haul Trucks	g/hr					0.010	0.010	0.010	25.058	0.051	34.879	1.970	5336.772	0.110	0.000

Harbor Craft Characteristics - Proposed Project

			HC Characteristics				
Year	HC Classification	Equipment	Engine Count per HC	Average Model Year	HC Average Power	HC Average Power	Load Factor
2024-2029	Crew Boat Auxiliary	Crew Boat / Skiff Auxiliary	1	2013	62	46	0.40
	Crew Boat Auxiliary	Survey Boat Auxiliary	1	2013	62	46	0.40
	Crew Boat Propulsion	Crew Boat / Skiff Propulsion	2	2012	575	429	0.26
	Crew Boat Propulsion	Survey Boat Propulsion	2	2012	150	112	0.26
	Tugboat Auxiliary	Tugboat Generator	1	2011	60	45	0.34
	Tugboat Auxiliary	Tugboat Deck Winch	1	2011	160	119	0.34
	Tugboat Propulsion	Tugboat Propulsion	2	2011	1200	895	0.16

Source:

[1] Harbor craft average model year and emission factors: 2021 POLA Emissions Inventory, Tables 4.1 and 4.2.

[2] Harbro craft engine load factors: San Pedro Bay Ports Emissions Inventory Methodology Report, Version 3a, Table 3.1.

[3] Harbor craft engine hp was provided by the P66: Copy of 2020-09-11 AQ ConstructionNeedsTemplate_P66 MNIQA (version 1).xlsx; if not provided was obtained from 2021 POLA Emissions Inventory, Tables 4.1 and 4.2.

Harbor Craft Emission Factors - Proposed Project

			Unmitigated Emission Factors (g/kW-hr)										
Year	HC Classification	Equipment	Engine Tier	PM10	PM2.5	DPM	NOX	SOX	CO	VOC	CO2	CH4	N2O
2024-2029	Crew Boat Auxiliary	Crew Boat / Skiff Auxiliary	Tier 3	0.21	0.19	0.21	6.13	0.01	5.25	0.34	788	0.035	0.022
	Crew Boat Auxiliary	Survey Boat Auxiliary	Tier 3	0.21	0.19	0.21	6.13	0.01	5.25	0.34	788	0.035	0.022
	Crew Boat Propulsion	Crew Boat / Skiff Propulsion	Tier 3	0.26	0.23	0.26	8.08	0.01	5.00	0.45	709	0.031	0.026
	Crew Boat Propulsion	Survey Boat Propulsion	Tier 3	0.26	0.23	0.26	8.08	0.01	5.00	0.45	709	0.031	0.026
	Tugboat Auxiliary	Tugboat Generator	Tier 3	0.30	0.27	0.30	7.13	0.01	5.50	0.39	788	0.035	0.022
	Tugboat Auxiliary	Tugboat Deck Winch	Tier 3	0.14	0.12	0.14	5.13	0.01	5.00	0.28	709	0.031	0.018
	Tugboat Propulsion	Tugboat Propulsion	Tier 3	0.26	0.23	0.26	8.08	0.01	5.00	0.45	709	0.031	0.026

Source:

[1] Harbor craft engine Tiers was analyzed consistent with POLA Sustainable Construction Guidelines, 2009.

[2] CO2, CH4 and N2O emission factors are zero-hour factors from the San Pedro Bay Ports Emissions Inventory Methodology Report, Version 3, Appendix A. Last accessed in April 2023 at: https://kentico.portoflosangeles.org/getmedia/ad5ec383-8dc6-4652-ae0d-81b6ea4c7819/SPBP_Emissions_Inventory_Methodology_v3a. Zero-hour factors are appropriate because engine deterioration does not significantly affect GHG emission factors (per Emissions Inventory Methodology Report Table 3.2).

Construction Summary for Modeling - Proposed Project

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Controlled	2024	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	0.16	0.01	0.71	0.00	0.00	-	-	0.00	-	-	123.22	0.01	0.01	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	1.58	0.14	6.99	0.01	0.06	-	-	0.05	-	-	1,154.75	0.11	0.10	-	-	0.06	0.05	0.06
Annual	tpy	Proposed Project	Controlled	2026	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	1.52	0.11	5.74	0.01	0.03	-	-	0.03	-	-	931.51	0.08	0.08	-	-	0.03	0.03	0.03
Annual	tpy	Proposed Project	Controlled	2027	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	1.23	0.06	2.89	0.00	0.01	-	-	0.01	-	-	439.89	0.04	0.04	-	-	0.01	0.01	0.01
Annual	tpy	Proposed Project	Controlled	2028	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	1.51	0.07	3.36	0.01	0.01	-	-	0.01	-	-	503.95	0.05	0.04	-	-	0.01	0.01	0.01
Annual	tpy	Proposed Project	Controlled	2029	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	0.86	0.04	1.96	0.00	0.01	-	-	0.01	-	-	293.27	0.03	0.02	-	-	0.01	0.01	0.01
Daily	lbd	Proposed Project	Controlled	2024	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	1.51	0.43	23.07	0.01	0.04	-	-	0.04	-	-	-	-	-	-	-	0.04	0.04	0.04
Daily	lbd	Proposed Project	Controlled	2025	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	24.97	1.75	90.85	0.16	0.56	-	-	0.54	-	-	-	-	-	-	-	0.56	0.54	0.56
Daily	lbd	Proposed Project	Controlled	2026	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	18.45	1.19	64.03	0.11	0.21	-	-	0.21	-	-	-	-	-	-	-	0.21	0.21	0.21
Daily	lbd	Proposed Project	Controlled	2027	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	33.12	1.72	85.50	0.14	0.17	-	-	0.17	-	-	-	-	-	-	-	0.17	0.17	0.17
Daily	lbd	Proposed Project	Controlled	2028	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	33.02	1.70	84.05	0.13	0.17	-	-	0.17	-	-	-	-	-	-	-	0.17	0.17	0.17
Daily	lbd	Proposed Project	Controlled	2029	Offroad	Construction Equipment	OFFROAD	Running Onsite	Diesel	Onsite	18.28	1.10	56.50	0.09	0.04	-	-	0.04	-	-	-	-	-	-	-	0.04	0.04	0.04
Annual	tpy	Proposed Project	Controlled	2024	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	1.08	0.06	0.72	0.00	0.04	-	-	0.03	-	-	93.33	0.00	0.00	-	-	0.04	0.03	0.04
Annual	tpy	Proposed Project	Controlled	2025	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	1.64	0.09	1.09	0.00	0.06	-	-	0.05	-	-	141.72	0.01	0.00	-	-	0.06	0.05	0.06
Annual	tpy	Proposed Project	Controlled	2026	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	0.19	0.01	0.14	0.00	0.01	-	-	0.01	-	-	17.85	0.00	0.00	-	-	0.01	0.01	0.01
Annual	tpy	Proposed Project	Controlled	2027	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2028	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2029	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	12.22	0.68	8.13	0.01	0.41	-	-	0.37	-	-	-	-	-	-	-	0.41	0.37	0.41
Daily	lbd	Proposed Project	Controlled	2025	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	18.18	0.68	8.13	0.01	0.41	-	-	0.37	-	-	-	-	-	-	-	0.41	0.37	0.41
Daily	lbd	Proposed Project	Controlled	2026	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2027	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2028	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2029	HC	Harbor Craft	TUGBOAT	Transit	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	2.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	0.14	0.00	0.01	0.00	0.00	-	-	0.00	-	-	102.67	0.00	0.02	0.01	0.00	0.01	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	0.02	0.00	0.00	0.00	0.00	-	-	0.00	-	-	14.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	3.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	2.83	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	-	0.02	0.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	2.14	0.05	0.22	0.03	0.03	-	-	0.03	-	-	-	-	-	0.20	0.03	0.23	0.06	0.03
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	3.20	0.01	0.17	0.03	0.02	-	-	0.01	-	-	-	-	-	0.17	0.01	0.19	0.01	0.02
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	0.02	-	-	0.02	-	-	-	-	-	0.13	0.02	0.15	0.04	0.02
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	0.01	-	-	0.01	-	-	-	-	-	0.11	0.02	0.12	0.03	0.01
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.04	0.13	-	0.01	0.05	-	-	-	-	-	0.17	0.05	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.03	0.11	-	0.00	0.01	-	-	-	-	-	0.14	0.01	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.02	0.09	-	0.01	0.03	-	-	-	-	-	0.11	0.04	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.02	0.07	-	0.00	0.02	-	-	-	-	-	0.09	0.03	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	0.00	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.02	0.00	0.00	0.00	0.00	-	-	0.00	-	-	-	-	-	0.01	0.00	0.01	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.03	0.00	0.00	0.00	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.01	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.72	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.08	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.03	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.02	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	0.00	0.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.06	0.00	0.09	0.00	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.10	0.00	0.08	0.00	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	0.10	0.00	0.00	0.00	0.00	-	-	0.00	-	-	62.75	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	0.11	0.00	0.00	0.00	0.00	-	-	0.00	-	-	65.76	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	0.01	0.00	0.00	0.00	0.00	-	-	0.00	-	-	7.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	0.01	0.00	0.00	0.00	0.00	-	-	0.00	-	-	3.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	2.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	37.98	0.04	0.19	0.24	0.40	-	-	0.39	-	-	-	-	-	1.12	0.17	1.53	0.56	0.40
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	13.46	0.02	0.12	0.03	0.04	-	-	0.04	-	-	-	-	-	0.12	0.02	0.16	0.06	0.04
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	2.09	0.01	0.06	0.01	0.02	-	-	0.02	-	-	-	-	-	0.06	0.01	0.08	0.02	0.02
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	0.02	-	-	0.02	-	-	-	-	-	0.06	0.01	0.08	0.03	0.02
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	0.02	-	-	0.02	-	-	-	-	-	0.06	0.01	0.08	0.03	0.02
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Haul Trucks	* N/A	Running Offsite	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.60	1.30	-	0.15	0.45	-	-	-	-	-	1.90	0.60	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.06	0.14	-	0.02	0.05	-	-	-	-	-	0.20	0.06	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.03	0.07	-	0.01	0.02	-	-	-	-	-	0.11	0.03	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.03	0.07	-	0.01	0.03	-	-	-	-	-	0.11	0.03	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	0.03	0.07	-	0.01	0.02	-	-	-	-	-	0.10	0.03	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Haul Trucks	* N/A	Offsite Tire Brake Ware	Diesel	Offsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.05	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.29	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.03	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.02	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.01	0.00	-	-	-	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.10	0.00	0.02	0.00	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.14	0.00	0.09	0.00	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	0.03	0.00	0.04	0.00	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	-	-	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTRUC	Onsite Idling	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.00	0.00	0.00	0.00	0.00	-	-	0.00	-	-	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.08	0.00	0.00	0.00	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.12	0.00	0.01	0.00	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	0.03	0.00	0.00	0.00	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	0.00	0.00	0.00
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTRUC	Running Onsite	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.01	0.01	0.13	0.00	0.00	-	-	0.00	-	-	29.09	0.00	0.00	0.01	0.00	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.04	0.02	0.56	0.00	0.00	-	-	0.00	-	-	131.90	0.00	0.00	0.03	0.01	0.03	0.01	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.03	0.02	0.39	0.00	0.00	-	-	0.00	-	-	96.67	0.00	0.00	0.03	0.00	0.03	0.00	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.01	0.01	0.18	0.00	0.00	-	-	0.00	-	-	45.35	0.00	0.00	0.01	0.00	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.01	0.01	0.14	0.00	0.00	-	-	0.00	-	-	36.97	0.00	0.00	0.01	0.00	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.00	0.00	0.07	0.00	0.00	-	-	0.00	-	-	17.78	0.00	0.00	0.00	0.00	0.01	0.00	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.09	0.09	2.32	0.00	0.00	-	-	0.00	-	-	-	-	-	0.07	0.01	0.08	0.01	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.39	0.22	5.52	0.01	0.01	-	-	0.01	-	-	-	-	-	0.33	0.05	0.34	0.06	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.40	0.29	5.92	0.02	0.01	-	-	0.01	-	-	-	-	-	0.38	0.07	0.39	0.08	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.30	0.17	4.45	0.01	0.00	-	-	0.00	-	-	-	-	-	0.22	0.03	0.23	0.04	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.21	0.12	3.18	0.01	0.00	-	-	0.00	-	-	-	-	-	0.22	0.03	0.23	0.04	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Running Offsite	Gasoline	Offsite	0.20	0.11	3.05	0.01	0.00	-	-	0.00	-	-	-	-	-	0.02	0.00	0.02	0.00	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.01	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.01	0.00	-

Construction Summary for Modeling - Proposed Project

											Emissions (tons/year or metric tons/year for GHGs)																		
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10Fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.01	0.01	-	0.00	0.00	-	-	-	-	-	0.02	0.01	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.04	0.04	-	0.01	0.01	-	-	-	-	-	0.06	0.02	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.04	0.05	-	0.01	0.02	-	-	-	-	-	0.09	0.03	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.03	0.03	-	0.01	0.01	-	-	-	-	-	0.06	0.02	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.03	0.03	-	0.01	0.01	-	-	-	-	-	0.05	0.02	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	-	-	-	-	-	0.00	0.00	-	0.00	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Running Onsite	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Worker Vehicles	* N/A	Onsite Idling	Gasoline	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.00	0.02	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	0.03	0.17	0.03	-
Annual	tpy	Proposed Project	Controlled	2026	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.17	0.04	0.17	0.04	-
Annual	tpy	Proposed Project	Controlled	2027	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.16	0.04	0.16	0.04	-
Annual	tpy	Proposed Project	Controlled	2028	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.11	0.03	0.11	0.03	-
Annual	tpy	Proposed Project	Controlled	2029	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	0.02	0.01	0.02	0.01	-
Daily	lbd	Proposed Project	Controlled	2024	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	7.69	1.17	7.69	1.17	-
Daily	lbd	Proposed Project	Controlled	2025	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	9.40	1.43	9.40	1.43	-
Daily	lbd	Proposed Project	Controlled	2026	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	30.50	5.82	30.50	5.82	-
Daily	lbd	Proposed Project	Controlled	2027	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	30.50	5.23	30.50	5.23	-
Daily	lbd	Proposed Project	Controlled	2028	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	30.03	5.16	30.03	5.16	-
Daily	lbd	Proposed Project	Controlled	2029	Offroad	Construction Dust	CONSFUG	Fugitive Dust		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	3.41	1.75	3.41	1.75	-
Annual	tpy	Proposed Project	Controlled	2024	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2025	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2026	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2027	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2028	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2029	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	0.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2026	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2027	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2028	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2029	Offroad	Paving	OFFROAD	Asphalt Fugitive		0 Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Delivery Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Daily	lbd	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Daily	lbd	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Annual	tpy	Proposed Project	Controlled	2024	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2025	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2026	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2027	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2028	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	0.00	-	-	0.00	-	-	-	-	-	0.00	0.00	-
Annual	tpy	Proposed Project	Controlled	2029	Onroad	Haul Trucks	CONSTBW	Onsite Tire Brake Ware	Diesel	Onsite	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Operational Emissions Inventory

Onroad Sources: Worker Vehicles and Trucks

Proposed Project and Baseline Annual Vehicle Activity

Activity	Year	Total Trucks	Worker Vehicles
Total Round-Trips	2021	1,605	365
	2027	1,951	365
	2057	1,951	365
Total Mileage	2021	48,150	158
	2027	58,530	158
	2057	58,530	158
Total Idling Hours	2021	803	-
	2027	976	-
	2057	976	-

Proposed Project and Baseline Vehicle Running Emission Factors in grams per mile

Calendar Year	Vehicle Category	Running Emission Factors (g/mile)												
		NOx	VOC	CO	SO2	PM10	PM10TW	PM10BW	PM2.5	PM2.5TW	PM2.5BW	CO2	CH4	N2O
2021	T7 POLA Class 8	8.146	0.475	1.575	0.025	0.027	0.036	0.087	0.026	0.009	0.030	2591.784	0.022	0.408
2021	T7 POLA Class 8	0.080	0.039	1.478	0.005	0.004	0.008	0.008	0.004	0.002	0.003	470.167	0.010	0.008
2027	T7 POLA Class 8	5.084	0.031	0.429	0.022	0.007	0.036	0.079	0.007	0.009	0.028	2341.965	0.001	0.369
2027	T7 POLA Class 8	0.045	0.020	1.045	0.004	0.003	0.008	0.008	0.003	0.002	0.003	419.505	0.006	0.006
2057	T7 POLA Class 8	4.311	0.026	0.289	0.017	0.006	0.036	0.086	0.006	0.009	0.030	1813.676	0.001	0.286
2057	T7 POLA Class 8	0.026	0.008	0.757	0.004	0.001	0.008	0.008	0.001	0.002	0.003	358.387	0.003	0.004

Source:

[1] Trucks and Worker Vehicles running emission factors are based on EMFAC2021 v1.0.2 for South Coast Air Basin for their respective vehicles and calendar years.

Proposed Project and Baseline Vehicle Idling Emission Factors in grams per hour

Calendar Year	Vehicle Category	Idle Emission Factors (g/hr)								
		NOx	VOC	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021	T7 POLA Class 8	0.477	0.028	0.301	0.001	0.000	0.000	78.909	0.001	0.012
2021	T7 POLA Class 8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	T7 POLA Class 8	0.438	0.037	0.548	0.001	0.000	0.000	89.713	0.002	0.014
2027	T7 POLA Class 8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2057	T7 POLA Class 8	0.391	0.033	0.489	0.001	0.000	0.000	70.868	0.002	0.011
2057	T7 POLA Class 8	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Source:

[1] Trucks and Worker Vehicles running emission factors are based on EMFAC2021 v1.0.2 for South Coast Air Basin for their respective vehicles and calendar years.

Proposed Project and Baseline Vehicle Start Emission Factors in grams per start

Calendar Year	Vehicle Category	Start Emission Factors (g/start)								
		NOx	VOC	CO	SO2	PM10	PM2.5	CO2	CH4	N2O
2021	T7 POLA Class 8	1.350	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2021	T7 POLA Class 8	0.281	0.373	3.530	0.001	0.002	0.002	73.696	0.080	0.035
2027	T7 POLA Class 8	2.323	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2027	T7 POLA Class 8	0.215	0.252	2.541	0.001	0.002	0.002	64.980	0.058	0.030
2057	T7 POLA Class 8	1.935	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2057	T7 POLA Class 8	0.151	0.111	1.498	0.001	0.001	0.001	53.074	0.030	0.024

Source:

[1] Trucks and Worker Vehicles running emission factors are based on EMFAC2021 v1.0.2 for South Coast Air Basin for their respective vehicles and calendar years.

Proposed Project and Baseline Vehicle Emission Factor Parameters

Calculation Formula:

E (lb/VMT) =	$k\ (sL)^{0.91} * (W)^{1.02} * (1\text{-}P/4N)$

Parameter	PM_{10}	$PM_{2.5}$
k	0.0022	0.00054

Function/Variable Description	Value	Reference
sL = Road surface silt loading (g/m^2)	0.015	https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf
W = Average weight (tons) of the vehicles traveling the road	2.4	https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf
N = Number of days in averaging period (days)	365	https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf
P = Number of days precip per year	46	https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf

Source:
[1] CARB's Miscellaneous Process Methodology 7.9 Entrained Road Travel, Paved Road Dust available at: https://ww3.arb.ca.gov/ei/areasrc/fullpdf/2021_paved_roads_7_9.pdf

Proposed Project and Baseline Vehicle Fugitive Dust Emission Factors in pounds per vehicle mile travelled onsite

Year	Activity	Equipment Type	AERMOD Source Group	Location	Total Annual Vehicle Miles	PM_{10}	$PM_{2.5}$
						Uncontrolled Emission Factor (lb/VMT)	Uncontrolled Emission Factor (lb/VMT)
2021	Operations	T7 POLA Class 8	TRUCKS2	Offsite	3,101	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	TRUCKS3	Offsite	492	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	TRUCKS4	Offsite	2,121	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	TRUCKS5	Offsite	842	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	TRUCKS6	Offsite	1,146	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	TRUCKS1	Offsite	312	0.0001	2.80E-05
2021	Operations	T7 POLA Class 8	* N/A	Offsite	48,150	0.0001	2.80E-05
2021	Operations	LDA	* N/A	Offsite	18,250	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS2	Offsite	3,769	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS3	Offsite	598	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS4	Offsite	2,579	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS5	Offsite	1,023	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS6	Offsite	1,393	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	TRUCKS1	Offsite	379	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	* N/A	Offsite	58,530	0.0001	2.80E-05
2027	Operations	LDA	* N/A	Offsite	18,250	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS2	Offsite	3,769	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS3	Offsite	598	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS4	Offsite	2,579	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS5	Offsite	1,023	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS6	Offsite	1,393	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	TRUCKS1	Offsite	379	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	* N/A	Offsite	58,530	0.0001	2.80E-05
2057	Operations	LDA	* N/A	Offsite	18,250	0.0001	2.80E-05

Proposed Project and Baseline Vehicle Fugitive Dust Emission Factors in pounds per vehicle mile travelled offsite

Year	Activity	Equipment Type	AERMOD Source Group	Location	Total Annual Vehicle Miles	PM_{10}	$PM_{2.5}$
						Uncontrolled Emission Factor (lb/VMT)	Uncontrolled Emission Factor (lb/VMT)
2021	Operations	T7 POLA Class 8	OPTRUCKS	Onsite	69	0.0001	2.80E-05
2021	Operations	LDA	* N/A	Onsite	16	0.0001	2.80E-05
2027	Operations	T7 POLA Class 8	OPTRUCKS	Onsite	84	0.0001	2.80E-05
2027	Operations	LDA	* N/A	Onsite	16	0.0001	2.80E-05
2057	Operations	T7 POLA Class 8	OPTRUCKS	Onsite	84	0.0001	2.80E-05
2057	Operations	LDA	* N/A	Onsite	16	0.0001	2.80E-05

Tankers and Barges

Baseline Tankers and Barges Hotelling and Anchorage Duration in Hours per Call

Year	Vessel Type	Peak Day - Uncontrolled		Annual Average - Uncontrolled	
		Hotelling Time at Berth (hr/call)	Time at Anchorage (hr/day)	Hotelling Time at Berth (hr/call)	Time at Anchorage (hr/call)
2021	OGV Barge	0	0	23	45
2021	ATB	4	0	32	69
2021	Tanker - Handymax	13	10	48	100
2021	Tanker - Chemical	0	0	20	45
2021	Tanker - Panamax	0	0	47	67
2021	Tanker - Aframax	0	0	0	0
2021	Bunkering Barge	4	0	6	0.0

Source:

1. 2021 Peak hoteling and anchorage time was obtained from information provided by Tenant (E-mail correspondance with POLA 05/16/2023)
2. Average at berth annual hoteling time was Provided by P66 (E-mail correspondance with POLA 05/16/2023)
3. Average anchorage hotelling time and all Aframax hotelling time: 2021 POLA Emissions Inventory Table 3.6 and Table 3.7. OGV Barge anchorage time assumed to be the same as Tankers. ATB Anchorage average annual anchorage time from 2020 POLA Emissions Inventory table 3.7

Notes:

[4] Bunkering barges do not spend time at anchorage.

Baseline Tankers and Barges Call Activity for all Years

Year	Vessel Type	Total Vessel Activity		by Engine Tier Calls - Berthing				Slide Valves		by Engine Tier Calls - Anchorage				Slide Valves	
		Calls to Berth	Calls to Anchorage	Tier 0	Tier 1	Tier 2	Tier 3	With	Without	Tier 0	Tier 1	Tier 2	Tier 3	With	Without
2021	OGV Barge	29	9	0	0	9	20	0	29	0	0	3	6	0	9
2021	ATB	13	4	0	10	2	1	0	13	0	3	1	0	0	4
2021	Tanker - Handymax	10	5	0	2	8	0	7	3	0	1	4	0	3	2
2021	Tanker - Chemical	4	2	0	4	0	0	4	0	0	2	0	0	2	0
2021	Tanker - Panamax	1	1	0	0	1	0	0	1	0	0	1	0	0	0
2021	Bunkering Barge	234	0	0	0	0	234	0	0	0	0	0	0	0	0
2021	**Total**	**291**	**20**	**0**	**16**	**20**	**255**	**11**	**46**	**0**	**6**	**8**	**6**	**6**	**15**

Source:

[1] 2021 calls to berth activity provided by tenant and Wharfingers. Some numbers may not add up due to rounding. (E-mail correspondence with POLA 05/16/2023)

[2] Calls to anchorage based on POLA 2021 Emissions Inventory Data, Table 3.1.

[3] All baseline activity occurred at only Berth 148-149.

Proposed Project Uncontrolled Ocean Going Vessel Hotelling and Anchorage Duration in Hours per Call

Year	Vessel Type	Annual Average - Uncontrolled		Annual - Connected to ECS Barge [1,4]
		Hotelling Time at Berth (hr/call) [2]	Time at Anchorage (hr/call) [3]	Hotelling Time at Berth (hr/call)
2027	OGV Barge	23	45	0
2027	ATB	32	69	0
2027	Tanker - Handymax	48	100	0
2027	Tanker - Chemical	20	45	0
2027	Tanker - Panamax	47	67	0
2027	Tanker - Aframax	26	35	0
2027	ECS Barge[6]	0	0	0
2027	Bunkering Barge[5]	6	0	0
2057	OGV Barge	23	45	0
2057	ATB	32	69	0
2057	Tanker - Handymax	48	100	0
2057	Tanker - Chemical	20	45	0
2057	Tanker - Panamax	47	67	0
2057	Tanker - Aframax	26	35	0
2057	ECS Barge[6]	0	0	0
2057	Bunkering Barge[5]	6	0	0

Proposed Project Controlled Ocean Going Vessel Hotelling and Anchorage Duration in Hours per Call

Year	Vessel Type	Annual Average - Uncontrolled		Annual - Connected to ECS Barge [1,4]
		Hotelling Time at Berth (hr/call) [2]	Time at Anchorage (hr/call) [3]	Hotelling Time at Berth (hr/call)
2027	OGV Barge	0	0	0
2027	ATB	0	0	0
2027	Tanker - Handymax	3	0	45
2027	Tanker - Chemical	3	0	17
2027	Tanker - Panamax	3	0	44
2027	Tanker - Aframax	3	0	23
2027	ECS Barge[6]	0	0	42
2027	Bunkering Barge[5]	0	0	0
2057	OGV Barge	0	0	0
2057	ATB	0	0	0
2057	Tanker - Handymax	3	0	45
2057	Tanker - Chemical	3	0	17
2057	Tanker - Panamax	3	0	44
2057	Tanker - Aframax	3	0	23
2057	ECS Barge[6]	0	0	42
2057	Bunkering Barge[5]	0	0	0

Source:

[1] 2021 Peak hoteling and anchorage time was obtained from information provided by Tenant (E-mail correspondance with POLA 05/16/2023)

[2] Average at berth annual hoteling time was Provided by P66 (E-mail correspondance with POLA 05/16/2023)

[3] Average anchorage hotelling time and all Aframax hotelling time: 2021 POLA Emissions Inventory Table 3.6 and Table 3.7. OGV Barge anchorage time assumed to be the same as Chemical Tankers. ATB Anchorage average annual anchorage time from 2020 POLA Emissions Inventory table 3.7

[4] Future year peak hoteling and anchorage time was obtained from information provided by Tenant (Reply to Port of LA CEQA Data Request)

Notes:

[5] Bunkering barges do not spend time at anchorage.

[6] ECS Barge only operates during controlled tanker calls to berth. Hotelling time is the weighted average of the hotelling time of the Tanker vessels, minus 3 hours of uncontrolled Tanker berthing during controlled calls.

Proposed Project Uncontrolled Ocean Going Vessel Call Activity for all Years

Year	Vessel Type	Total Vessel Activity		by Engine Tier Calls - Berthing				Slide Valves		by Engine Tier Calls - Anchorage				Slide Valves	
		Calls to Berth	Calls to Anchorage	Tier 0	Tier 1	Tier 2	Tier 3	With	Without	Tier 0	Tier 1	Tier 2	Tier 3	With	Without
2027	OGV Barge	79	23	0	0	24	55	0	79	0	0	7	16	0	23
2027	ATB	8	2	0	6	1	1	0	8	0	2	0	0	0	2
2027	Tanker - Handymax	4	20	0	1	3	0	3	1	0	4	16	0	13	7
2027	Tanker - Chemical	1	6	0	1	0	0	1	0	0	6	0	0	6	0
2027	Tanker - Panamax	2	10	0	0	2	0	1	1	0	0	10	0	3	8
2027	Tanker - Aframax	1	4	0	1	0	0	1	0	0	4	0	0	3	1
2027	ECS Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	Bunkering Barge	209	0	0	0	0	209	0	0	0	0	0	0	0	0
2027	**Total**	**304**	**66**	**0**	**9**	**31**	**264**	**5**	**90**	**0**	**15**	**34**	**16**	**25**	**41**
2057	OGV Barge	79	23						79	0	0	7	16	0	23
2057	ATB	8	2						8	0	2	0	0	0	2
2057	Tanker - Handymax	4	20						1	0	4	16	0	13	7
2057	Tanker - Chemical	1	6						0	0	6	0	0	6	0
2057	Tanker - Panamax	2	10						1	0	0	10	0	3	8
2057	Tanker - Aframax	1	4						0	0	4	0	0	3	1
2057	ECS Barge	0	0						0	0	0	0	0	0	0
2057	Bunkering Barge	209	0						0	0	0	0	0	0	0
2057	**Total**	**304**	**66**	**0**	**9**	**31**	**264**	**5**	**90**	**0**	**15**	**34**	**16**	**25**	**41**

Proposed Project Controlled Ocean Going Vessel Call Activity for all Years

Year	Vessel Type	Total Vessel Activity		by Engine Tier Calls - Berthing				Slide Valves		by Engine Tier Calls - Anchorage				Slide Valves	
		Calls to Berth	Calls to Anchorage	Tier 0	Tier 1	Tier 2	Tier 3	With	Without	Tier 0	Tier 1	Tier 2	Tier 3	With	Without
2027	OGV Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	ATB	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	Tanker - Handymax	34	0	0	7	27	0	23	11	0	0	0	0	0	0
2027	Tanker - Chemical	10	0	0	10	0	0	10	0	0	0	0	0	0	0
2027	Tanker - Panamax	17	0	0	0	17	0	5	12	0	0	0	0	0	0
2027	Tanker - Aframax	6	0	0	6	0	0	4	2	0	0	0	0	0	0
2027	ECS Barge	67	0	0	0	0	67	0	0	0	0	0	0	0	0
2027	Bunkering Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	**Total**	**134**	**0**	**0**	**22**	**44**	**67**	**42**	**25**	**0**	**0**	**0**	**0**	**0**	**0**
2057	OGV Barge	0	0						0	0	0	0	0	0	0
2057	ATB	0	0						0	0	0	0	0	0	0
2057	Tanker - Handymax	34	0						11	0	0	0	0	0	0
2057	Tanker - Chemical	10	0						0	0	0	0	0	0	0
2057	Tanker - Panamax	17	0						12	0	0	0	0	0	0
2057	Tanker - Aframax	6	0						2	0	0	0	0	0	0
2057	ECS Barge	67	0						0	0	0	0	0	0	0
2057	Bunkering Barge	0	0						0	0	0	0	0	0	0
2057	**Total**	**134**	**0**	**0**	**22**	**44**	**67**	**42**	**25**	**0**	**0**	**0**	**0**	**0**	**0**

Source:

[1] Forecasted future activity provided by the tenant. Some numbers may not add up due to rounding. (Email Correspondance with POLA 05/16/2023)

[2] Calls to anchorage based on POLA 2021 Emissions Inventory Data, Table 3.1.

[3] ECS Barge only operates during controlled tanker calls to berth. Total ECS Barge calls to berth is equal to the total number of Tanker vessel calls to berth.

Baseline and Proposed Project Peakday Ocean Going Vessel Hotelling and Anchorage Duration in Hours per Call

Year	Vessel Type	Peak Day - Uncontrolled	
		Hotelling Time at Berth (hr/call)	Time at Anchorage (hr/day)
2021	OGV Barge	0	0
2021	ATB	4	0
2021	Tanker - Handymax	13	10
2021	Tanker - Chemical	0	0
2021	Tanker - Panamax	0	0
2021	Tanker - Aframax	0	0
2021	Bunkering Barge	4	0
2027	OGV Barge	0	20
2027	ATB	0	0
2027	Tanker - Handymax	5	18
2027	Tanker - Chemical	0	0
2027	Tanker - Panamax	0	0
2027	Tanker - Aframax	18	0
2027	Bunkering Barge	0	0
2057	OGV Barge	0	20
2057	ATB	0	0
2057	Tanker - Handymax	5	18
2057	Tanker - Chemical	0	0
2057	Tanker - Panamax	0	0
2057	Tanker - Aframax	18	0
2057	Bunkering Barge	0	0

Source:

[1] 2021 Peak hoteling and anchorage time was obtained from information provided by Tenant (E-mail correspondance with POLA 05/16/2023)

Baseline and Proposed Project Peakday Ocean Going Vessel Call Activity for all Years

Year	Vessel Type	Total Vessel Activity			by Engine Tier Calls - Berthing				Slide Valves		by Engine Tier Calls - Anchorage				Slide Valves	
		Calls to Berth	Calls to Anchorage	Transits	Tier 0	Tier 1	Tier 2	Tier 3	With	Without	Tier 0	Tier 1	Tier 2	Tier 3	With	Without
2021	OGV Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	ATB	1	0	1	0	1	0	0	0	1	0	0	0	0	0	0
2021	Tanker - Handymax	1	1	1	0	0	1	0	0	1	0	0	1	0	0	1
2021	Tanker - Chemical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	Tanker - Panamax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	Tanker - Aframax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021	Bunkering Barge	1	0	2	0	0	0	1	0	0	0	0	0	0	0	0
2021	**Total**	**3**	**1**	**4**	**0**	**1**	**1**	**1**	**0**	**2**	**0**	**0**	**1**	**0**	**0**	**1**
2027	OGV Barge	0	1	1	0	0	0	1	0	1	0	0	0	1	0	1
2027	ATB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	Tanker - Handymax	1	1	1	0	0	1	0	0	1	0	0	1	0	0	1
2027	Tanker - Chemical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	Tanker - Panamax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	Tanker - Aframax	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0
2027	Bunkering Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2027	**Total**	**2**	**2**	**3**	**0**	**1**	**1**	**1**	**1**	**2**	**0**	**0**	**1**	**1**	**0**	**2**
2057	OGV Barge	0	1	1	0	0	0	1	0	1	0	0	0	1	0	1
2057	ATB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	Tanker - Handymax	1	1	1	0	0	1	0	0	1	0	0	1	0	0	1
2057	Tanker - Chemical	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	Tanker - Panamax	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	Tanker - Aframax	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0
2057	Bunkering Barge	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2057	**Total**	**2**	**2**	**3**	**0**	**1**	**1**	**1**	**1**	**2**	**0**	**0**	**1**	**1**	**0**	**2**

Source:

[1] 2021 activity provided by tenant and Wharfingers (E-mail correspondance with POLA 05/16/2023). Some numbers may not add up due to rounding

[2] Forecasted future peakday activity from information provided by the tenant (Reply to Port of LA CEQA Data Request 092020)

Baseline Main Engine Composite Emission Factors in grams per kilowatt hour

Year	Vessel Type	Emission Factors (g/kW-hr) - Weighted										
		PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
2021	OGV Barge	0.184	0.169	0.184	6.785	0.362	1.400	0.600	0.632	593	0.012	0.029
2021	ATB	0.187	0.172	0.187	11.200	0.401	1.100	0.500	0.527	657	0.010	0.029
2021	Tanker - Handymax	0.184	0.169	0.184	14.720	0.362	1.400	0.600	0.632	593	0.012	0.029
2021	Tanker - Chemical	0.184	0.169	0.184	16.000	0.362	1.400	0.600	0.632	593	0.012	0.029
2021	Tanker - Panamax	0.184	0.169	0.184	14.400	0.362	1.400	0.600	0.632	593	0.012	0.029
2021	Tanker - Aframax	0.184	0.169	0.184	16.084	0.362	1.400	0.600	0.632	593	0.012	0.029
2021	Bunkering Barge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000

Baseline Auxiliary Engine Composite Emission Factors in grams per kilowatt hour

Year	Vessel Type	Emission Factors (g/kW-hr) - Weighted										
		PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
2021	OGV Barge	0.189	0.174	0.189	13.800	0.424	1.100	0.400	0.421	696	0.008	0.029
2021	ATB	0.189	0.174	0.189	8.877	0.424	0.900	0.400	0.421	696	0.008	0.029
2021	Tanker - Handymax	0.189	0.174	0.189	10.840	0.424	1.100	0.400	0.421	696	0.008	0.029
2021	Tanker - Chemical	0.189	0.174	0.189	12.200	0.424	1.100	0.400	0.421	696	0.008	0.029
2021	Tanker - Panamax	0.189	0.174	0.189	10.500	0.424	1.100	0.400	0.421	696	0.008	0.029
2021	Tanker - Aframax	0	0	0	0	0	0	0	0	0	0	0
2021	Bunkering Barge	0.060	0.054	0.000	4.749	0.007	0.996	0.000	0.205	652	0.058	0.031

Proposed Project Main Engine Composite Emission Factors in grams per kilowatt hour

Year	Vessel Type	Emission Factors (g/kW-hr) - Weighted										
		PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
2027	OGV Barge	0.184	0.169	0.184	6.785	0.362	1.400	0.600	0.632	593	0.012	0.029
2027	ATB	0.187	0.172	0.187	11.200	0.401	1.100	0.500	0.527	657	0.010	0.029
2027	Tanker - Handymax	0.184	0.169	0.184	14.720	0.362	1.400	0.600	0.632	593	0.012	0.029
2027	Tanker - Chemical	0.184	0.169	0.184	16.000	0.362	1.400	0.600	0.632	593	0.012	0.029
2027	Tanker - Panamax	0.184	0.169	0.184	14.400	0.362	1.400	0.600	0.632	593	0.012	0.029
2027	Tanker - Aframax	0.184	0.169	0.184	16.084	0.362	1.400	0.600	0.632	593	0.012	0.029
2027	Bunkering Barge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000
2057	OGV Barge	0.184	0.169	0.184	6.785	0.362	1.400	0.600	0.632	593	0.012	0.029
2057	ATB	0.187	0.172	0.187	11.200	0.401	1.100	0.500	0.527	657	0.010	0.029
2057	Tanker - Handymax	0.184	0.169	0.184	14.720	0.362	1.400	0.600	0.632	593	0.012	0.029
2057	Tanker - Chemical	0.184	0.169	0.184	16.000	0.362	1.400	0.600	0.632	593	0.012	0.029
2057	Tanker - Panamax	0.184	0.169	0.184	14.400	0.362	1.400	0.600	0.632	593	0.012	0.029
2057	Tanker - Aframax	0.184	0.169	0.184	16.084	0.362	1.400	0.600	0.632	593	0.012	0.029
2057	Bunkering Barge	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000

Proposed Project Uncontrolled Auxiliary Engine Composite Emission Factors in grams per kilowatt hour

Year	Vessel Type	Emission Factors (g/kW-hr) - Weighted										
		PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
2027	OGV Barge	0.189	0.174	0.189	13.800	0.424	1.100	0.400	0.421	696	0.008	0.029
2027	ATB	0.189	0.174	0.189	8.877	0.424	0.900	0.400	0.421	696	0.008	0.029
2027	Tanker - Handymax	0.189	0.174	0.189	10.840	0.424	1.100	0.400	0.421	696	0.008	0.029
2027	Tanker - Chemical	0.189	0.174	0.189	12.200	0.424	1.100	0.400	0.421	696	0.008	0.029
2027	Tanker - Panamax	0.189	0.174	0.189	10.500	0.424	1.100	0.400	0.421	696	0.008	0.029
2027	Tanker - Aframax	0.189	0.174	0.189	12.331	0.424	1.100	0.400	0.421	696	0.008	0.029
2027	Bunkering Barge	0.084	0.076	0.000	4.156	0.007	1.057	0.000	0.144	652	0.058	0.031
2057	OGV Barge	0.189	0.174	0.189	13.800	0.424	1.100	0.400	0.421	696	0.008	0.029
2057	ATB	0.189	0.174	0.189	8.877	0.424	0.900	0.400	0.421	696	0.008	0.029
2057	Tanker - Handymax	0.189	0.174	0.189	10.840	0.424	1.100	0.400	0.421	696	0.008	0.029
2057	Tanker - Chemical	0.189	0.174	0.189	12.200	0.424	1.100	0.400	0.421	696	0.008	0.029
2057	Tanker - Panamax	0.189	0.174	0.189	10.500	0.424	1.100	0.400	0.421	696	0.008	0.029
2057	Tanker - Aframax	0.189	0.174	0.189	12.331	0.424	1.100	0.400	0.421	696	0.008	0.029
2057	Bunkering Barge	0.084	0.076	0.000	4.156	0.007	1.057	0.000	0.144	652	0.058	0.031

Proposed Project Controlled Auxiliary Engine Composite Emission Factors in grams per kilowatt hour

Year	Vessel Type	Emission Factors (g/kW-hr) - Weighted - Controlled										
		PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
2027	Tanker - Handymax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2027	Tanker - Chemical	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2027	Tanker - Panamax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2027	Tanker - Aframax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2027	ECS Barge Generator	0.003	0.003	0.003	0.110	0.080	2.950	0.190	0.190	762	0.053	0.024
2057	Tanker - Handymax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2057	Tanker - Chemical	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2057	Tanker - Panamax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2057	Tanker - Aframax	0.033	0.030	0.033	2.800	0.424	1.100	0.095	0.100	696	0.008	0.029
2057	ECS Barge Generator	0.003	0.003	0.003	0.110	0.080	2.950	0.190	0.190	762	0.053	0.024

Controlled emission factors provided by CARB At-Berth rule (https://ww2.arb.ca.gov/sites/default/files/barcu/regact/2019/ogvatberth2019/fro.pdf)

Tankers and Barges Propulsion Engine Emission Factors by tier for 0.1% S MGO Fuel (g/kW-hr) and uncontrolled and controlled boiler emission factors

Engine	IMO Tier	Model Yea	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
Slow Speed Diesel	Tier 0	≤1999	0.184	0.169	0.184	17	0.362	1.4	0.6	0.63	593	0.012	0.029
Medium Speed Diesel	Tier 0	≤1999	0.187	0.172	0.187	13.20	0.401	1.1	0.5	0.53	657	0.01	0.029
Slow Speed Diesel	Tier 1	2000-2010	0.184	0.169	0.184	16.00	0.362	1.4	0.6	0.63	593	0.012	0.029
Medium Speed Diesel	Tier 1	2000-2010	0.187	0.172	0.187	12.20	0.401	1.1	0.5	0.53	657	0.01	0.029
Slow Speed Diesel	Tier 2	2011-2015	0.184	0.169	0.184	14.4	0.362	1.4	0.6	0.63	593	0.012	0.029
Medium Speed Diesel	Tier 2	2011-2015	0.187	0.172	0.187	10.50	0.401	1.1	0.5	0.53	657	0.01	0.029
Slow Speed Diesel	Tier 3	≥2016	0.184	0.169	0.184	3.40	0.362	1.4	0.6	0.63	593	0.012	0.029
Medium Speed Diesel	Tier 3	≥2016	0.187	0.172	0.187	2.60	0.401	1.1	0.5	0.53	657	0.01	0.029
Gas Turbine	N/A	lal	0.010	0.009	0.000	5.7	0.587	0.2	0.1	0.11	962	0.002	0.075
Steam Engine and Boiler - Uncontrolled	N/A	lal	0.16	0.147	0.000	2.00	0.587	0.2	0.1	0.11	962	0.002	0.075
Steam Engine and Boiler - Controlled	N/A	lal	0.03	0.03	0.000	0.40	0.587	0.2	0.018993	0.02	962	0.002	0.075

Notes:

[1] Slow speed diesel: engine speed < 150 rpm; assumed as default for propulsion engines.

[2] Bonnet control is assumed in future years, Compliance with reduced rates per At-Berth Rule for tanker boilers is not necessary due to Bonnet control in future scenario

Source:

[1] San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022, Tables 2.3 and 2.4. August 2022.

Tankers and Barges Auxiliary Engine Emission Factors by tier for 0.1% S MGO Fuel (g/kW-hr)

Engine	IMO Tier	Model Yea	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
High Speed Diesel	Tier 0	≤1999	0.189	0.174	0.189	10.90	0.424	0.90	0.40	0.42	696	0.008	0.029
Medium Speed Diesel	Tier 0	≤1999	0.189	0.174	0.189	13.80	0.424	1.10	0.40	0.42	696	0.008	0.029
High Speed Diesel	Tier 1	2000-2010	0.189	0.174	0.189	9.80	0.424	0.90	0.40	0.42	696	0.008	0.029
Medium Speed Diesel	Tier 1	2000-2010	0.189	0.174	0.189	12.20	0.424	1.10	0.40	0.42	696	0.008	0.029
High Speed Diesel	Tier 2	2011-2015	0.189	0.174	0.189	7.7	0.424	0.90	0.40	0.42	696	0.008	0.029
Medium Speed Diesel	Tier 2	2011-2015	0.189	0.174	0.189	10.50	0.424	1.10	0.40	0.42	696	0.008	0.029
High Speed Diesel	Tier 3	≥2016	0.189	0.174	0.189	2.00	0.424	0.90	0.40	0.42	696	0.008	0.029
Medium Speed Diesel	Tier 3	≥2016	0.189	0.174	0.189	2.60	0.424	1.10	0.40	0.42	696	0.008	0.029

Notes:

[1] Tanker auxiliary engines are medium speed.

[2] Calculations assume that auxiliary and propulsion engines are the same model year.

[3] Tanker auxiliary engines are conservatively assumed to be Tier 1 for peak day future years.

Source:

[1] San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022, Tables 2.9 and 2.10. August 2022.

Table . OGV Emission Factor Adjustment (EFA) for Propulsion Engines

Vessel Category	PM	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
Vessels without Slide Valves	1.0	1.0	1.0	1.0	1.0	0.44	1.0	1.0	1.0	1.0	1.0
Vessels with Slide Valves	1.0	1.0	1.0	1.0	1.0	0.59	0.43	0.4	1.0	1.0	1.0

Notes:

[1] Factors apply to pollutants for which test results were significantly different in magnitude than the base emission factors used in the SP Bay Inventory.

Source:

[1] San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022, pg 19. August 2022.

Tankers and Barges Emission Factor Adjustments (LAF*EFA) for MAN 2-Stroke Propulsion Engines without Slide Valves

Load	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
1%	0.84	0.84	0.84	1.91	1.10	0.61	2.53	2.53	1.10	1.91	2.53
2%	0.83	0.83	0.83	1.86	1.10	0.60	2.45	2.45	1.10	1.86	2.45
3%	0.83	0.83	0.83	1.82	1.09	0.59	2.37	2.37	1.09	1.82	2.37
4%	0.82	0.82	0.82	1.77	1.09	0.59	2.30	2.30	1.09	1.77	2.30
5%	0.82	0.82	0.82	1.72	1.09	0.58	2.23	2.23	1.09	1.72	2.23
6%	0.81	0.81	0.81	1.68	1.08	0.57	2.16	2.16	1.08	1.68	2.16
7%	0.81	0.81	0.81	1.64	1.08	0.56	2.10	2.10	1.08	1.64	2.10
8%	0.80	0.80	0.80	1.60	1.08	0.55	2.03	2.03	1.08	1.60	2.03
9%	0.80	0.80	0.80	1.56	1.07	0.55	1.97	1.97	1.07	1.56	1.97
10%	0.79	0.79	0.79	1.52	1.07	0.55	1.91	1.91	1.07	1.52	1.91
11%	0.79	0.79	0.79	1.49	1.07	0.54	1.86	1.86	1.07	1.49	1.86
12%	0.78	0.78	0.78	1.45	1.07	0.53	1.80	1.80	1.07	1.45	1.80
13%	0.78	0.78	0.78	1.42	1.06	0.53	1.75	1.75	1.06	1.42	1.75
14%	0.78	0.78	0.78	1.39	1.06	0.52	1.70	1.70	1.06	1.39	1.70
15%	0.77	0.77	0.77	1.36	1.06	0.52	1.65	1.65	1.06	1.36	1.65
16%	0.77	0.77	0.77	1.33	1.06	0.51	1.61	1.61	1.06	1.33	1.61
17%	0.77	0.77	0.77	1.30	1.05	0.51	1.56	1.56	1.05	1.30	1.56
18%	0.77	0.77	0.77	1.28	1.05	0.51	1.52	1.52	1.05	1.28	1.52
19%	0.76	0.76	0.76	1.25	1.05	0.50	1.48	1.48	1.05	1.25	1.48
20%	0.76	0.76	0.76	1.23	1.05	0.50	1.44	1.44	1.05	1.23	1.44
21%	0.76	0.76	0.76	1.20	1.04	0.50	1.41	1.41	1.04	1.20	1.41
22%	0.76	0.76	0.76	1.18	1.04	0.49	1.37	1.37	1.04	1.18	1.37
23%	0.76	0.76	0.76	1.16	1.04	0.49	1.34	1.34	1.04	1.16	1.34
24%	0.75	0.75	0.75	1.14	1.04	0.48	1.31	1.31	1.04	1.14	1.31
25%	0.75	0.75	0.75	1.12	1.03	0.48	1.28	1.28	1.03	1.12	1.28
26%	0.75	0.75	0.75	1.11	1.03	0.48	1.25	1.25	1.03	1.11	1.25
27%	0.75	0.75	0.75	1.09	1.03	0.48	1.22	1.22	1.03	1.09	1.22
28%	0.75	0.75	0.75	1.07	1.03	0.48	1.20	1.20	1.03	1.07	1.20
29%	0.75	0.75	0.75	1.06	1.03	0.47	1.17	1.17	1.03	1.06	1.17
30%	0.75	0.75	0.75	1.05	1.02	0.47	1.15	1.15	1.02	1.05	1.15
31%	0.75	0.75	0.75	1.03	1.02	0.47	1.13	1.13	1.02	1.03	1.13
32%	0.75	0.75	0.75	1.02	1.02	0.47	1.11	1.11	1.02	1.02	1.11
33%	0.75	0.75	0.75	1.01	1.02	0.46	1.09	1.09	1.02	1.01	1.09
34%	0.75	0.75	0.75	1.00	1.02	0.46	1.08	1.08	1.02	1.00	1.08
35%	0.76	0.76	0.76	0.99	1.02	0.46	1.06	1.06	1.02	0.99	1.06
36%	0.76	0.76	0.76	0.98	1.01	0.46	1.05	1.05	1.01	0.98	1.05
37%	0.76	0.76	0.76	0.98	1.01	0.45	1.04	1.04	1.01	0.98	1.04
38%	0.76	0.76	0.76	0.97	1.01	0.45	1.02	1.02	1.01	0.97	1.02
39%	0.76	0.76	0.76	0.96	1.01	0.45	1.01	1.01	1.01	0.96	1.01
40%	0.76	0.76	0.76	0.96	1.01	0.45	1.00	1.00	1.01	0.96	1.00
41%	0.77	0.77	0.77	0.95	1.01	0.44	0.99	0.99	1.01	0.95	0.99
42%	0.77	0.77	0.77	0.95	1.01	0.44	0.99	0.99	1.01	0.95	0.99
43%	0.77	0.77	0.77	0.94	1.01	0.44	0.98	0.98	1.01	0.94	0.98
44%	0.78	0.78	0.78	0.94	1.00	0.44	0.97	0.97	1.00	0.94	0.97
45%	0.78	0.78	0.78	0.94	1.00	0.44	0.97	0.97	1.00	0.94	0.97
46%	0.78	0.78	0.78	0.94	1.00	0.44	0.96	0.96	1.00	0.94	0.96
47%	0.79	0.79	0.79	0.94	1.00	0.44	0.96	0.96	1.00	0.94	0.96
48%	0.79	0.79	0.79	0.93	1.00	0.43	0.96	0.96	1.00	0.93	0.96
49%	0.79	0.79	0.79	0.93	1.00	0.43	0.96	0.96	1.00	0.93	0.96
50%	0.80	0.80	0.80	0.93	1.00	0.43	0.96	0.96	1.00	0.93	0.96

Tankers and Barges Emission Factor Adjustments (LAF*EFA) for MAN 2-Stroke Propulsion Engines without Slide Valves

Load	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
51%	0.80	0.80	0.80	0.94	1.00	0.43	0.95	0.95	1.00	0.94	0.95
52%	0.81	0.81	0.81	0.94	1.00	0.43	0.95	0.95	1.00	0.94	0.95
53%	0.81	0.81	0.81	0.94	1.00	0.42	0.95	0.95	1.00	0.94	0.95
54%	0.82	0.82	0.82	0.94	1.00	0.42	0.95	0.95	1.00	0.94	0.95
55%	0.82	0.82	0.82	0.94	0.99	0.42	0.96	0.96	0.99	0.94	0.96
56%	0.83	0.83	0.83	0.94	0.99	0.42	0.96	0.96	0.99	0.94	0.96
57%	0.84	0.84	0.84	0.95	0.99	0.42	0.96	0.96	0.99	0.95	0.96
58%	0.84	0.84	0.84	0.95	0.99	0.42	0.96	0.96	0.99	0.95	0.96
59%	0.85	0.85	0.85	0.95	0.99	0.41	0.96	0.96	0.99	0.95	0.96
60%	0.86	0.86	0.86	0.95	0.99	0.41	0.97	0.97	0.99	0.95	0.97
61%	0.86	0.86	0.86	0.96	0.99	0.41	0.97	0.97	0.99	0.96	0.97
62%	0.87	0.87	0.87	0.96	0.99	0.41	0.97	0.97	0.99	0.96	0.97
63%	0.88	0.88	0.88	0.96	0.99	0.41	0.98	0.98	0.99	0.96	0.98
64%	0.89	0.89	0.89	0.97	0.99	0.41	0.98	0.98	0.99	0.97	0.98
65%	0.89	0.89	0.89	0.97	0.99	0.40	0.98	0.98	0.99	0.97	0.98
66%	0.90	0.90	0.90	0.98	0.99	0.40	0.99	0.99	0.99	0.98	0.99
67%	0.91	0.91	0.91	0.98	0.99	0.40	0.99	0.99	0.99	0.98	0.99
68%	0.92	0.92	0.92	0.98	0.99	0.40	0.99	0.99	0.99	0.98	0.99
69%	0.93	0.93	0.93	0.99	0.99	0.40	1.00	1.00	0.99	0.99	1.00
70%	0.94	0.94	0.94	0.99	0.99	0.40	1.00	1.00	0.99	0.99	1.00
71%	0.94	0.94	0.94	0.99	0.99	0.40	1.00	1.00	0.99	0.99	1.00
72%	0.95	0.95	0.95	1.00	0.99	0.40	1.01	1.01	0.99	1.00	1.01
73%	0.96	0.96	0.96	1.00	0.99	0.40	1.01	1.01	0.99	1.00	1.01
74%	0.97	0.97	0.97	1.00	0.99	0.40	1.01	1.01	0.99	1.00	1.01
75%	0.98	0.98	0.98	1.01	0.99	0.40	1.01	1.01	0.99	1.01	1.01
76%	0.99	0.99	0.99	1.01	0.99	0.40	1.01	1.01	0.99	1.01	1.01
77%	1.00	1.00	1.00	1.01	0.99	0.40	1.01	1.01	0.99	1.01	1.01
78%	1.01	1.01	1.01	1.01	0.99	0.40	1.01	1.01	0.99	1.01	1.01
79%	1.03	1.03	1.03	1.02	0.99	0.40	1.01	1.01	0.99	1.02	1.01
80%	1.04	1.04	1.04	1.02	0.99	0.40	1.01	1.01	0.99	1.02	1.01
81%	1.05	1.05	1.05	1.02	0.99	0.40	1.01	1.01	0.99	1.02	1.01
82%	1.06	1.06	1.06	1.02	0.99	0.40	1.01	1.01	0.99	1.02	1.01
83%	1.07	1.07	1.07	1.02	0.99	0.40	1.01	1.01	0.99	1.02	1.01
84%	1.08	1.08	1.08	1.02	0.99	0.40	1.00	1.00	0.99	1.02	1.00
85%	1.10	1.10	1.10	1.02	0.99	0.40	1.00	1.00	0.99	1.02	1.00
86%	1.11	1.11	1.11	1.02	0.99	0.41	0.99	0.99	0.99	1.02	0.99
87%	1.12	1.12	1.12	1.02	0.99	0.41	0.99	0.99	0.99	1.02	0.99
88%	1.13	1.13	1.13	1.02	0.99	0.41	0.98	0.98	0.99	1.02	0.98
89%	1.15	1.15	1.15	1.01	0.99	0.42	0.97	0.97	0.99	1.01	0.97
90%	1.16	1.16	1.16	1.01	0.99	0.42	0.97	0.97	0.99	1.01	0.97
91%	1.17	1.17	1.17	1.01	1.00	0.42	0.96	0.96	1.00	1.01	0.96
92%	1.19	1.19	1.19	1.00	1.00	0.43	0.94	0.94	1.00	1.00	0.94
93%	1.20	1.20	1.20	1.00	1.00	0.43	0.93	0.93	1.00	1.00	0.93
94%	1.22	1.22	1.22	0.99	1.00	0.44	0.92	0.92	1.00	0.99	0.92
95%	1.23	1.23	1.23	0.99	1.00	0.44	0.91	0.91	1.00	0.99	0.91
96%	1.24	1.24	1.24	0.98	1.00	0.45	0.89	0.89	1.00	0.98	0.89
97%	1.26	1.26	1.26	0.97	1.00	0.45	0.87	0.87	1.00	0.97	0.87
98%	1.28	1.28	1.28	0.97	1.00	0.46	0.86	0.86	1.00	0.97	0.86
99%	1.29	1.29	1.29	0.96	1.00	0.47	0.84	0.84	1.00	0.96	0.84
100%	1.31	1.31	1.31	0.95	1.00	0.48	0.82	0.82	1.00	0.95	0.82

Notes:

[1] Emission factor adjustments are used to adjust standard emission factors, for MAN engines without slide valves. EF = fuel corrected EF*LAF*EFA.

[2] Emission factor adjustments are used in peak day calculations, where the type of engine has been identified or can be assumed.

Tankers and Barges Emission Factor Adjustments (LAF*EFA) for MAN 2-Stroke Propulsion Engines with Slide Valves

Load	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
1%	0.36	0.36	0.36	1.90	1.10	0.07	0.58	0.58	1.10	1.90	1.36
2%	0.37	0.37	0.37	1.86	1.10	0.07	0.57	0.57	1.10	1.86	1.32
3%	0.38	0.38	0.38	1.82	1.09	0.07	0.55	0.55	1.09	1.82	1.28
4%	0.38	0.38	0.38	1.78	1.09	0.07	0.53	0.53	1.09	1.78	1.24
5%	0.39	0.39	0.39	1.74	1.09	0.07	0.52	0.52	1.09	1.74	1.20
6%	0.40	0.40	0.40	1.70	1.08	0.07	0.50	0.50	1.08	1.70	1.17
7%	0.41	0.41	0.41	1.67	1.08	0.07	0.49	0.49	1.08	1.67	1.14
8%	0.41	0.41	0.41	1.63	1.08	0.07	0.48	0.48	1.08	1.63	1.11
9%	0.42	0.42	0.42	1.60	1.07	0.07	0.46	0.46	1.07	1.60	1.08
10%	0.43	0.43	0.43	1.57	1.07	0.07	0.45	0.45	1.07	1.57	1.05
11%	0.44	0.44	0.44	1.53	1.07	0.15	0.44	0.44	1.07	1.53	1.02
12%	0.45	0.45	0.45	1.50	1.07	0.23	0.43	0.43	1.07	1.50	0.99
13%	0.45	0.45	0.45	1.47	1.06	0.31	0.42	0.42	1.06	1.47	0.97
14%	0.46	0.46	0.46	1.45	1.06	0.38	0.40	0.40	1.06	1.45	0.94
15%	0.47	0.47	0.47	1.42	1.06	0.44	0.40	0.40	1.06	1.42	0.92
16%	0.48	0.48	0.48	1.39	1.06	0.50	0.39	0.39	1.06	1.39	0.90
17%	0.49	0.49	0.49	1.37	1.05	0.56	0.38	0.38	1.05	1.37	0.88
18%	0.49	0.49	0.49	1.34	1.05	0.61	0.37	0.37	1.05	1.34	0.86
19%	0.50	0.50	0.50	1.32	1.05	0.66	0.36	0.36	1.05	1.32	0.84
20%	0.51	0.51	0.51	1.30	1.05	0.71	0.35	0.35	1.05	1.30	0.82
21%	0.52	0.52	0.52	1.28	1.04	0.75	0.35	0.35	1.04	1.28	0.81
22%	0.53	0.53	0.53	1.26	1.04	0.79	0.34	0.34	1.04	1.26	0.79
23%	0.54	0.54	0.54	1.24	1.04	0.83	0.34	0.34	1.04	1.24	0.78
24%	0.54	0.54	0.54	1.22	1.04	0.86	0.33	0.33	1.04	1.22	0.76
25%	0.55	0.55	0.55	1.20	1.03	0.89	0.32	0.32	1.03	1.20	0.75
26%	0.56	0.56	0.56	1.19	1.03	0.91	0.32	0.32	1.03	1.19	0.74
27%	0.57	0.57	0.57	1.17	1.03	0.94	0.31	0.31	1.03	1.17	0.73
28%	0.58	0.58	0.58	1.16	1.03	0.96	0.31	0.31	1.03	1.16	0.72
29%	0.59	0.59	0.59	1.14	1.03	0.98	0.31	0.31	1.03	1.14	0.71
30%	0.60	0.60	0.60	1.13	1.02	0.99	0.30	0.30	1.02	1.13	0.70
31%	0.60	0.60	0.60	1.12	1.02	1.00	0.30	0.30	1.02	1.12	0.70
32%	0.61	0.61	0.61	1.10	1.02	1.01	0.30	0.30	1.02	1.10	0.69
33%	0.62	0.62	0.62	1.09	1.02	1.03	0.30	0.30	1.02	1.09	0.69
34%	0.63	0.63	0.63	1.08	1.02	1.03	0.29	0.29	1.02	1.08	0.68
35%	0.64	0.64	0.64	1.07	1.02	1.03	0.29	0.29	1.02	1.07	0.68
36%	0.65	0.65	0.65	1.06	1.01	1.03	0.29	0.29	1.01	1.06	0.68
37%	0.66	0.66	0.66	1.05	1.01	1.03	0.29	0.29	1.01	1.05	0.67
38%	0.67	0.67	0.67	1.05	1.01	1.03	0.29	0.29	1.01	1.05	0.67
39%	0.68	0.68	0.68	1.04	1.01	1.03	0.29	0.29	1.01	1.04	0.67
40%	0.69	0.69	0.69	1.03	1.01	1.02	0.29	0.29	1.01	1.03	0.67
41%	0.70	0.70	0.70	1.03	1.01	1.01	0.29	0.29	1.01	1.03	0.67
42%	0.70	0.70	0.70	1.02	1.01	1.01	0.29	0.29	1.01	1.02	0.68
43%	0.71	0.71	0.71	1.02	1.01	1.00	0.29	0.29	1.01	1.02	0.68
44%	0.72	0.72	0.72	1.01	1.00	0.99	0.29	0.29	1.00	1.01	0.68
45%	0.73	0.73	0.73	1.01	1.00	0.97	0.30	0.30	1.00	1.01	0.69
46%	0.74	0.74	0.74	1.00	1.00	0.96	0.30	0.30	1.00	1.00	0.69
47%	0.75	0.75	0.75	1.00	1.00	0.94	0.30	0.30	1.00	1.00	0.70
48%	0.76	0.76	0.76	1.00	1.00	0.93	0.30	0.30	1.00	1.00	0.70
49%	0.77	0.77	0.77	0.99	1.00	0.91	0.31	0.31	1.00	0.99	0.71
50%	0.78	0.78	0.78	0.99	1.00	0.89	0.31	0.31	1.00	0.99	0.71
51%	0.79	0.79	0.79	0.99	1.00	0.87	0.31	0.31	1.00	0.99	0.72
52%	0.80	0.80	0.80	0.99	1.00	0.86	0.31	0.31	1.00	0.99	0.73
53%	0.81	0.81	0.81	0.99	1.00	0.83	0.32	0.32	1.00	0.99	0.74
54%	0.82	0.82	0.82	0.99	1.00	0.81	0.32	0.32	1.00	0.99	0.75
55%	0.83	0.83	0.83	0.98	0.99	0.80	0.32	0.32	0.99	0.98	0.75
56%	0.84	0.84	0.84	0.98	0.99	0.77	0.33	0.33	0.99	0.98	0.76
57%	0.85	0.85	0.85	0.98	0.99	0.75	0.33	0.33	0.99	0.98	0.77
58%	0.86	0.86	0.86	0.98	0.99	0.73	0.34	0.34	0.99	0.98	0.78
59%	0.87	0.87	0.87	0.98	0.99	0.71	0.34	0.34	0.99	0.98	0.80
60%	0.88	0.88	0.88	0.98	0.99	0.68	0.35	0.35	0.99	0.98	0.81
61%	0.89	0.89	0.89	0.98	0.99	0.67	0.35	0.35	0.99	0.98	0.82
62%	0.90	0.90	0.90	0.98	0.99	0.64	0.36	0.36	0.99	0.98	0.83
63%	0.91	0.91	0.91	0.99	0.99	0.63	0.36	0.36	0.99	0.99	0.84
64%	0.92	0.92	0.92	0.99	0.99	0.60	0.37	0.37	0.99	0.99	0.85
65%	0.93	0.93	0.93	0.99	0.99	0.58	0.37	0.37	0.99	0.99	0.87
66%	0.94	0.94	0.94	0.99	0.99	0.56	0.38	0.38	0.99	0.99	0.88

Ocean Going Vessel Emission Factor Adjustments (LAF*EFA) for MAN 2-Stroke Propulsion Engines with Slide Valves

Load	PM10	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
67%	0.95	0.95	0.95	0.99	0.99	0.54	0.38	0.38	0.99	0.99	0.89
68%	0.97	0.97	0.97	0.99	0.99	0.52	0.39	0.39	0.99	0.99	0.91
69%	0.98	0.98	0.98	0.99	0.99	0.50	0.40	0.40	0.99	0.99	0.92
70%	0.99	0.99	0.99	0.99	0.99	0.48	0.40	0.40	0.99	0.99	0.93
71%	1.00	1.00	1.00	0.99	0.99	0.47	0.41	0.41	0.99	0.99	0.95
72%	1.01	1.01	1.01	0.99	0.99	0.45	0.41	0.41	0.99	0.99	0.96
73%	1.02	1.02	1.02	0.99	0.99	0.44	0.42	0.42	0.99	0.99	0.98
74%	1.03	1.03	1.03	0.99	0.99	0.42	0.43	0.43	0.99	0.99	0.99
75%	1.04	1.04	1.04	0.99	0.99	0.41	0.43	0.43	0.99	0.99	1.00
76%	1.05	1.05	1.05	0.99	0.99	0.39	0.44	0.44	0.99	0.99	1.02
77%	1.06	1.06	1.06	0.99	0.99	0.38	0.44	0.44	0.99	0.99	1.03
78%	1.07	1.07	1.07	0.99	0.99	0.37	0.45	0.45	0.99	0.99	1.05
79%	1.09	1.09	1.09	0.99	0.99	0.36	0.46	0.46	0.99	0.99	1.06
80%	1.10	1.10	1.10	0.99	0.99	0.35	0.46	0.46	0.99	0.99	1.08
81%	1.11	1.11	1.11	0.99	0.99	0.34	0.47	0.47	0.99	0.99	1.09
82%	1.12	1.12	1.12	0.99	0.99	0.34	0.47	0.47	0.99	0.99	1.10
83%	1.13	1.13	1.13	0.98	0.99	0.34	0.48	0.48	0.99	0.98	1.12
84%	1.14	1.14	1.14	0.98	0.99	0.33	0.49	0.49	0.99	0.98	1.13
85%	1.15	1.15	1.15	0.98	0.99	0.33	0.49	0.49	0.99	0.98	1.15
86%	1.16	1.16	1.16	0.98	0.99	0.33	0.50	0.50	0.99	0.98	1.16
87%	1.18	1.18	1.18	0.97	0.99	0.33	0.51	0.51	0.99	0.97	1.18
88%	1.19	1.19	1.19	0.97	0.99	0.34	0.51	0.51	0.99	0.97	1.19
89%	1.20	1.20	1.20	0.96	0.99	0.34	0.52	0.52	0.99	0.96	1.20
90%	1.21	1.21	1.21	0.96	0.99	0.35	0.52	0.52	0.99	0.96	1.22
91%	1.22	1.22	1.22	0.95	1.00	0.36	0.53	0.53	1.00	0.95	1.23
92%	1.23	1.23	1.23	0.95	1.00	0.37	0.53	0.53	1.00	0.95	1.24
93%	1.25	1.25	1.25	0.94	1.00	0.38	0.54	0.54	1.00	0.94	1.25
94%	1.26	1.26	1.26	0.93	1.00	0.40	0.55	0.55	1.00	0.93	1.27
95%	1.27	1.27	1.27	0.93	1.00	0.41	0.55	0.55	1.00	0.93	1.28
96%	1.28	1.28	1.28	0.92	1.00	0.43	0.55	0.55	1.00	0.92	1.29
97%	1.29	1.29	1.29	0.91	1.00	0.45	0.56	0.56	1.00	0.91	1.30
98%	1.31	1.31	1.31	0.90	1.00	0.48	0.56	0.56	1.00	0.90	1.31
99%	1.32	1.32	1.32	0.89	1.00	0.50	0.57	0.57	1.00	0.89	1.32
100%	1.33	1.33	1.33	0.88	1.00	0.53	0.58	0.58	1.00	0.88	1.34

Notes:

[1] Emission factor adjustments are used to adjust standard emission factors, for MAN engines with slide valves. EF = fuel corrected EF*LAF*EFA.

[2] Emission factor adjustments are used in peak day calculations, where the type of engine has been identified or can be assumed.

Tankers and Barges Load Adjustment Factors (LAF) for MAN 2-Stroke Propulsion Engines without Slide Valves

Load	PM	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
1%	0.84	0.84	0.84	1.91	1.10	1.38	2.53	2.53	1.10	1.91	2.53
2%	0.83	0.83	0.83	1.86	1.1	1.36	2.45	2.45	1.1	1.86	2.45
3%	0.83	0.83	0.83	1.82	1.09	1.34	2.37	2.37	1.09	1.82	2.37
4%	0.82	0.82	0.82	1.77	1.09	1.33	2.3	2.30	1.09	1.77	2.3
5%	0.82	0.82	0.82	1.72	1.09	1.31	2.23	2.23	1.09	1.72	2.23
6%	0.81	0.81	0.81	1.68	1.08	1.29	2.16	2.16	1.08	1.68	2.16
7%	0.81	0.81	0.81	1.64	1.08	1.28	2.1	2.10	1.08	1.64	2.1
8%	0.8	0.8	0.8	1.6	1.08	1.26	2.03	2.03	1.08	1.6	2.03
9%	0.8	0.8	0.8	1.56	1.07	1.25	1.97	1.97	1.07	1.56	1.97
10%	0.79	0.79	0.79	1.52	1.07	1.24	1.91	1.91	1.07	1.52	1.91
11%	0.79	0.79	0.79	1.49	1.07	1.22	1.86	1.86	1.07	1.49	1.86
12%	0.78	0.78	0.78	1.45	1.07	1.21	1.8	1.80	1.07	1.45	1.8
13%	0.78	0.78	0.78	1.42	1.06	1.2	1.75	1.75	1.06	1.42	1.75
14%	0.78	0.78	0.78	1.39	1.06	1.19	1.7	1.70	1.06	1.39	1.7
15%	0.77	0.77	0.77	1.36	1.06	1.18	1.65	1.65	1.06	1.36	1.65
16%	0.77	0.77	0.77	1.33	1.06	1.17	1.61	1.61	1.06	1.33	1.61
17%	0.77	0.77	0.77	1.3	1.05	1.16	1.56	1.56	1.05	1.3	1.56
18%	0.77	0.77	0.77	1.28	1.05	1.15	1.52	1.52	1.05	1.28	1.52
19%	0.76	0.76	0.76	1.25	1.05	1.14	1.48	1.48	1.05	1.25	1.48
20%	0.76	0.76	0.76	1.23	1.05	1.13	1.44	1.44	1.05	1.23	1.44
21%	0.76	0.76	0.76	1.2	1.04	1.13	1.41	1.41	1.04	1.2	1.41
22%	0.76	0.76	0.76	1.18	1.04	1.12	1.37	1.37	1.04	1.18	1.37
23%	0.76	0.76	0.76	1.16	1.04	1.11	1.34	1.34	1.04	1.16	1.34
24%	0.75	0.75	0.75	1.14	1.04	1.1	1.31	1.31	1.04	1.14	1.31
25%	0.75	0.75	0.75	1.12	1.03	1.1	1.28	1.28	1.03	1.12	1.28
26%	0.75	0.75	0.75	1.11	1.03	1.09	1.25	1.25	1.03	1.11	1.25
27%	0.75	0.75	0.75	1.09	1.03	1.08	1.22	1.22	1.03	1.09	1.22
28%	0.75	0.75	0.75	1.07	1.03	1.08	1.2	1.20	1.03	1.07	1.2
29%	0.75	0.75	0.75	1.06	1.03	1.07	1.17	1.17	1.03	1.06	1.17
30%	0.75	0.75	0.75	1.05	1.02	1.07	1.15	1.15	1.02	1.05	1.15
31%	0.75	0.75	0.75	1.03	1.02	1.06	1.13	1.13	1.02	1.03	1.13
32%	0.75	0.75	0.75	1.02	1.02	1.06	1.11	1.11	1.02	1.02	1.11
33%	0.75	0.75	0.75	1.01	1.02	1.05	1.09	1.09	1.02	1.01	1.09
34%	0.75	0.75	0.75	1	1.02	1.05	1.08	1.08	1.02	1	1.08
35%	0.76	0.76	0.76	0.99	1.02	1.04	1.06	1.06	1.02	0.99	1.06
36%	0.76	0.76	0.76	0.98	1.01	1.04	1.05	1.05	1.01	0.98	1.05
37%	0.76	0.76	0.76	0.98	1.01	1.03	1.04	1.04	1.01	0.98	1.04
38%	0.76	0.76	0.76	0.97	1.01	1.03	1.02	1.02	1.01	0.97	1.02
39%	0.76	0.76	0.76	0.96	1.01	1.02	1.01	1.01	1.01	0.96	1.01
40%	0.76	0.76	0.76	0.96	1.01	1.02	1	1.00	1.01	0.96	1
41%	0.77	0.77	0.77	0.95	1.01	1.01	0.99	0.99	1.01	0.95	0.99
42%	0.77	0.77	0.77	0.95	1.01	1.01	0.99	0.99	1.01	0.95	0.99
43%	0.77	0.77	0.77	0.94	1.01	1.01	0.98	0.98	1.01	0.94	0.98
44%	0.78	0.78	0.78	0.94	1	1	0.97	0.97	1	0.94	0.97
45%	0.78	0.78	0.78	0.94	1	1	0.97	0.97	1	0.94	0.97
46%	0.78	0.78	0.78	0.94	1	0.99	0.96	0.96	1	0.94	0.96
47%	0.79	0.79	0.79	0.94	1	0.99	0.96	0.96	1	0.94	0.96
48%	0.79	0.79	0.79	0.93	1	0.98	0.96	0.96	1	0.93	0.96
49%	0.79	0.79	0.79	0.93	1	0.98	0.96	0.96	1	0.93	0.96
50%	0.8	0.8	0.8	0.93	1	0.98	0.96	0.96	1	0.93	0.96

Tankers and Barges Load Adjustment Factors (LAF) for MAN 2-Stroke Propulsion Engines without Slide Valves

Load	PM	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
51%	0.8	0.8	0.8	0.94	1	0.97	0.95	0.95	1	0.94	0.95
52%	0.81	0.81	0.81	0.94	1	0.97	0.95	0.95	1	0.94	0.95
53%	0.81	0.81	0.81	0.94	1	0.96	0.95	0.95	1	0.94	0.95
54%	0.82	0.82	0.82	0.94	1	0.96	0.95	0.95	1	0.94	0.95
55%	0.82	0.82	0.82	0.94	0.99	0.96	0.96	0.96	0.99	0.94	0.96
56%	0.83	0.83	0.83	0.94	0.99	0.95	0.96	0.96	0.99	0.94	0.96
57%	0.84	0.84	0.84	0.95	0.99	0.95	0.96	0.96	0.99	0.95	0.96
58%	0.84	0.84	0.84	0.95	0.99	0.95	0.96	0.96	0.99	0.95	0.96
59%	0.85	0.85	0.85	0.95	0.99	0.94	0.96	0.96	0.99	0.95	0.96
60%	0.86	0.86	0.86	0.95	0.99	0.94	0.97	0.97	0.99	0.95	0.97
61%	0.86	0.86	0.86	0.96	0.99	0.93	0.97	0.97	0.99	0.96	0.97
62%	0.87	0.87	0.87	0.96	0.99	0.93	0.97	0.97	0.99	0.96	0.97
63%	0.88	0.88	0.88	0.96	0.99	0.93	0.98	0.98	0.99	0.96	0.98
64%	0.89	0.89	0.89	0.97	0.99	0.93	0.98	0.98	0.99	0.97	0.98
65%	0.89	0.89	0.89	0.97	0.99	0.92	0.98	0.98	0.99	0.97	0.98
66%	0.9	0.9	0.9	0.98	0.99	0.92	0.99	0.99	0.99	0.98	0.99
67%	0.91	0.91	0.91	0.98	0.99	0.92	0.99	0.99	0.99	0.98	0.99
68%	0.92	0.92	0.92	0.98	0.99	0.91	0.99	0.99	0.99	0.98	0.99
69%	0.93	0.93	0.93	0.99	0.99	0.91	1	1.00	0.99	0.99	1
70%	0.94	0.94	0.94	0.99	0.99	0.91	1	1.00	0.99	0.99	1
71%	0.94	0.94	0.94	0.99	0.99	0.91	1	1.00	0.99	0.99	1
72%	0.95	0.95	0.95	1	0.99	0.91	1.01	1.01	0.99	1	1.01
73%	0.96	0.96	0.96	1	0.99	0.91	1.01	1.01	0.99	1	1.01
74%	0.97	0.97	0.97	1	0.99	0.91	1.01	1.01	0.99	1	1.01
75%	0.98	0.98	0.98	1.01	0.99	0.9	1.01	1.01	0.99	1.01	1.01
76%	0.99	0.99	0.99	1.01	0.99	0.9	1.01	1.01	0.99	1.01	1.01
77%	1	1	1	1.01	0.99	0.9	1.01	1.01	0.99	1.01	1.01
78%	1.01	1.01	1.01	1.01	0.99	0.91	1.01	1.01	0.99	1.01	1.01
79%	1.03	1.03	1.03	1.02	0.99	0.91	1.01	1.01	0.99	1.02	1.01
80%	1.04	1.04	1.04	1.02	0.99	0.91	1.01	1.01	0.99	1.02	1.01
81%	1.05	1.05	1.05	1.02	0.99	0.91	1.01	1.01	0.99	1.02	1.01
82%	1.06	1.06	1.06	1.02	0.99	0.91	1.01	1.01	0.99	1.02	1.01
83%	1.07	1.07	1.07	1.02	0.99	0.92	1.01	1.01	0.99	1.02	1.01
84%	1.08	1.08	1.08	1.02	0.99	0.92	1	1.00	0.99	1.02	1
85%	1.1	1.1	1.1	1.02	0.99	0.92	1	1.00	0.99	1.02	1
86%	1.11	1.11	1.11	1.02	0.99	0.93	0.99	0.99	0.99	1.02	0.99
87%	1.12	1.12	1.12	1.02	0.99	0.93	0.99	0.99	0.99	1.02	0.99
88%	1.13	1.13	1.13	1.02	0.99	0.94	0.98	0.98	0.99	1.02	0.98
89%	1.15	1.15	1.15	1.01	0.99	0.95	0.97	0.97	0.99	1.01	0.97
90%	1.16	1.16	1.16	1.01	0.99	0.95	0.97	0.97	0.99	1.01	0.97
91%	1.17	1.17	1.17	1.01	1	0.96	0.96	0.96	1	1.01	0.96
92%	1.19	1.19	1.19	1	1	0.97	0.94	0.94	1	1	0.94
93%	1.2	1.2	1.2	1	1	0.98	0.93	0.93	1	1	0.93
94%	1.22	1.22	1.22	0.99	1	0.99	0.92	0.92	1	0.99	0.92
95%	1.23	1.23	1.23	0.99	1	1.01	0.91	0.91	1	0.99	0.91
96%	1.24	1.24	1.24	0.98	1	1.02	0.89	0.89	1	0.98	0.89
97%	1.26	1.26	1.26	0.97	1	1.03	0.87	0.87	1	0.97	0.87
98%	1.28	1.28	1.28	0.97	1	1.05	0.86	0.86	1	0.97	0.86
99%	1.29	1.29	1.29	0.96	1	1.07	0.84	0.84	1	0.96	0.84
100%	1.31	1.31	1.31	0.95	1	1.08	0.82	0.82	1	0.95	0.82

Source:

[1] San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022, Table 2.8. August 2022.

Tankers and Barges Load Adjustment Factors (LAF) for MAN 2-Stroke Propulsion Engines with Slide Valves

Load	PM	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
1%	0.36	0.36	0.36	1.90	1.10	0.12	1.36	1.36	1.10	1.90	1.36
2%	0.37	0.37	0.37	1.86	1.1	0.12	1.32	1.32	1.1	1.86	1.32
3%	0.38	0.38	0.38	1.82	1.09	0.12	1.28	1.28	1.09	1.82	1.28
4%	0.38	0.38	0.38	1.78	1.09	0.12	1.24	1.24	1.09	1.78	1.24
5%	0.39	0.39	0.39	1.74	1.09	0.12	1.2	1.20	1.09	1.74	1.2
6%	0.4	0.4	0.4	1.7	1.08	0.12	1.17	1.17	1.08	1.7	1.17
7%	0.41	0.41	0.41	1.67	1.08	0.12	1.14	1.14	1.08	1.67	1.14
8%	0.41	0.41	0.41	1.63	1.08	0.12	1.11	1.11	1.08	1.63	1.11
9%	0.42	0.42	0.42	1.6	1.07	0.12	1.08	1.08	1.07	1.6	1.08
10%	0.43	0.43	0.43	1.57	1.07	0.12	1.05	1.05	1.07	1.57	1.05
11%	0.44	0.44	0.44	1.53	1.07	0.26	1.02	1.02	1.07	1.53	1.02
12%	0.45	0.45	0.45	1.5	1.07	0.39	0.99	0.99	1.07	1.5	0.99
13%	0.45	0.45	0.45	1.47	1.06	0.52	0.97	0.97	1.06	1.47	0.97
14%	0.46	0.46	0.46	1.45	1.06	0.64	0.94	0.94	1.06	1.45	0.94
15%	0.47	0.47	0.47	1.42	1.06	0.75	0.92	0.92	1.06	1.42	0.92
16%	0.48	0.48	0.48	1.39	1.06	0.85	0.9	0.90	1.06	1.39	0.9
17%	0.49	0.49	0.49	1.37	1.05	0.95	0.88	0.88	1.05	1.37	0.88
18%	0.49	0.49	0.49	1.34	1.05	1.04	0.86	0.86	1.05	1.34	0.86
19%	0.5	0.5	0.5	1.32	1.05	1.12	0.84	0.84	1.05	1.32	0.84
20%	0.51	0.51	0.51	1.3	1.05	1.2	0.82	0.82	1.05	1.3	0.82
21%	0.52	0.52	0.52	1.28	1.04	1.27	0.81	0.81	1.04	1.28	0.81
22%	0.53	0.53	0.53	1.26	1.04	1.34	0.79	0.79	1.04	1.26	0.79
23%	0.54	0.54	0.54	1.24	1.04	1.4	0.78	0.78	1.04	1.24	0.78
24%	0.54	0.54	0.54	1.22	1.04	1.46	0.76	0.76	1.04	1.22	0.76
25%	0.55	0.55	0.55	1.2	1.03	1.51	0.75	0.75	1.03	1.2	0.75
26%	0.56	0.56	0.56	1.19	1.03	1.55	0.74	0.74	1.03	1.19	0.74
27%	0.57	0.57	0.57	1.17	1.03	1.59	0.73	0.73	1.03	1.17	0.73
28%	0.58	0.58	0.58	1.16	1.03	1.63	0.72	0.72	1.03	1.16	0.72
29%	0.59	0.59	0.59	1.14	1.03	1.66	0.71	0.71	1.03	1.14	0.71
30%	0.6	0.6	0.6	1.13	1.02	1.68	0.7	0.70	1.02	1.13	0.7
31%	0.6	0.6	0.6	1.12	1.02	1.7	0.7	0.70	1.02	1.12	0.7
32%	0.61	0.61	0.61	1.1	1.02	1.72	0.69	0.69	1.02	1.1	0.69
33%	0.62	0.62	0.62	1.09	1.02	1.74	0.69	0.69	1.02	1.09	0.69
34%	0.63	0.63	0.63	1.08	1.02	1.75	0.68	0.68	1.02	1.08	0.68
35%	0.64	0.64	0.64	1.07	1.02	1.75	0.68	0.68	1.02	1.07	0.68
36%	0.65	0.65	0.65	1.06	1.01	1.75	0.68	0.68	1.01	1.06	0.68
37%	0.66	0.66	0.66	1.05	1.01	1.75	0.67	0.67	1.01	1.05	0.67
38%	0.67	0.67	0.67	1.05	1.01	1.75	0.67	0.67	1.01	1.05	0.67
39%	0.68	0.68	0.68	1.04	1.01	1.74	0.67	0.67	1.01	1.04	0.67
40%	0.69	0.69	0.69	1.03	1.01	1.73	0.67	0.67	1.01	1.03	0.67
41%	0.7	0.7	0.7	1.03	1.01	1.72	0.67	0.67	1.01	1.03	0.67
42%	0.7	0.7	0.7	1.02	1.01	1.71	0.68	0.68	1.01	1.02	0.68
43%	0.71	0.71	0.71	1.02	1.01	1.69	0.68	0.68	1.01	1.02	0.68
44%	0.72	0.72	0.72	1.01	1	1.67	0.68	0.68	1	1.01	0.68
45%	0.73	0.73	0.73	1.01	1	1.65	0.69	0.69	1	1.01	0.69
46%	0.74	0.74	0.74	1	1	1.62	0.69	0.69	1	1	0.69
47%	0.75	0.75	0.75	1	1	1.6	0.7	0.70	1	1	0.7
48%	0.76	0.76	0.76	1	1	1.57	0.7	0.70	1	1	0.7
49%	0.77	0.77	0.77	0.99	1	1.54	0.71	0.71	1	0.99	0.71
50%	0.78	0.78	0.78	0.99	1	1.51	0.71	0.71	1	0.99	0.71
51%	0.79	0.79	0.79	0.99	1	1.48	0.72	0.72	1	0.99	0.72
52%	0.8	0.8	0.8	0.99	1	1.45	0.73	0.73	1	0.99	0.73
53%	0.81	0.81	0.81	0.99	1	1.41	0.74	0.74	1	0.99	0.74
54%	0.82	0.82	0.82	0.99	1	1.38	0.75	0.75	1	0.99	0.75
55%	0.83	0.83	0.83	0.98	0.99	1.35	0.75	0.75	0.99	0.98	0.75
56%	0.84	0.84	0.84	0.98	0.99	1.31	0.76	0.76	0.99	0.98	0.76
57%	0.85	0.85	0.85	0.98	0.99	1.27	0.77	0.77	0.99	0.98	0.77
58%	0.86	0.86	0.86	0.98	0.99	1.24	0.78	0.78	0.99	0.98	0.78
59%	0.87	0.87	0.87	0.98	0.99	1.2	0.8	0.80	0.99	0.98	0.8
60%	0.88	0.88	0.88	0.98	0.99	1.16	0.81	0.81	0.99	0.98	0.81
61%	0.89	0.89	0.89	0.98	0.99	1.13	0.82	0.82	0.99	0.98	0.82
62%	0.9	0.9	0.9	0.98	0.99	1.09	0.83	0.83	0.99	0.98	0.83
63%	0.91	0.91	0.91	0.99	0.99	1.06	0.84	0.84	0.99	0.99	0.84
64%	0.92	0.92	0.92	0.99	0.99	1.02	0.85	0.85	0.99	0.99	0.85
65%	0.93	0.93	0.93	0.99	0.99	0.98	0.87	0.87	0.99	0.99	0.87
66%	0.94	0.94	0.94	0.99	0.99	0.95	0.88	0.88	0.99	0.99	0.88

Ocean Going Vessel Load Adjustment Factors (LAF) for MAN 2-Stroke Propulsion Engines with Slide Valves

Load	PM	PM2.5	DPM	NOx	SOx	CO	HC	VOC	CO2	CH4	N2O
67%	0.95	0.95	0.95	0.99	0.99	0.92	0.89	0.89	0.99	0.99	0.89
68%	0.97	0.97	0.97	0.99	0.99	0.88	0.91	0.91	0.99	0.99	0.91
69%	0.98	0.98	0.98	0.99	0.99	0.85	0.92	0.92	0.99	0.99	0.92
70%	0.99	0.99	0.99	0.99	0.99	0.82	0.93	0.93	0.99	0.99	0.93
71%	1	1	1	0.99	0.99	0.79	0.95	0.95	0.99	0.99	0.95
72%	1.01	1.01	1.01	0.99	0.99	0.76	0.96	0.96	0.99	0.99	0.96
73%	1.02	1.02	1.02	0.99	0.99	0.74	0.98	0.98	0.99	0.99	0.98
74%	1.03	1.03	1.03	0.99	0.99	0.71	0.99	0.99	0.99	0.99	0.99
75%	1.04	1.04	1.04	0.99	0.99	0.69	1	1.00	0.99	0.99	1
76%	1.05	1.05	1.05	0.99	0.99	0.66	1.02	1.02	0.99	0.99	1.02
77%	1.06	1.06	1.06	0.99	0.99	0.64	1.03	1.03	0.99	0.99	1.03
78%	1.07	1.07	1.07	0.99	0.99	0.63	1.05	1.05	0.99	0.99	1.05
79%	1.09	1.09	1.09	0.99	0.99	0.61	1.06	1.06	0.99	0.99	1.06
80%	1.1	1.1	1.1	0.99	0.99	0.6	1.08	1.08	0.99	0.99	1.08
81%	1.11	1.11	1.11	0.99	0.99	0.58	1.09	1.09	0.99	0.99	1.09
82%	1.12	1.12	1.12	0.99	0.99	0.57	1.1	1.10	0.99	0.99	1.1
83%	1.13	1.13	1.13	0.98	0.99	0.57	1.12	1.12	0.99	0.98	1.12
84%	1.14	1.14	1.14	0.98	0.99	0.56	1.13	1.13	0.99	0.98	1.13
85%	1.15	1.15	1.15	0.98	0.99	0.56	1.15	1.15	0.99	0.98	1.15
86%	1.16	1.16	1.16	0.98	0.99	0.56	1.16	1.16	0.99	0.98	1.16
87%	1.18	1.18	1.18	0.97	0.99	0.56	1.18	1.18	0.99	0.97	1.18
88%	1.19	1.19	1.19	0.97	0.99	0.57	1.19	1.19	0.99	0.97	1.19
89%	1.2	1.2	1.2	0.96	0.99	0.58	1.2	1.20	0.99	0.96	1.2
90%	1.21	1.21	1.21	0.96	0.99	0.59	1.22	1.22	0.99	0.96	1.22
91%	1.22	1.22	1.22	0.95	1	0.61	1.23	1.23	1	0.95	1.23
92%	1.23	1.23	1.23	0.95	1	0.63	1.24	1.24	1	0.95	1.24
93%	1.25	1.25	1.25	0.94	1	0.65	1.25	1.25	1	0.94	1.25
94%	1.26	1.26	1.26	0.93	1	0.67	1.27	1.27	1	0.93	1.27
95%	1.27	1.27	1.27	0.93	1	0.7	1.28	1.28	1	0.93	1.28
96%	1.28	1.28	1.28	0.92	1	0.73	1.29	1.29	1	0.92	1.29
97%	1.29	1.29	1.29	0.91	1	0.77	1.3	1.30	1	0.91	1.3
98%	1.31	1.31	1.31	0.9	1	0.81	1.31	1.31	1	0.9	1.31
99%	1.32	1.32	1.32	0.89	1	0.85	1.32	1.32	1	0.89	1.32
100%	1.33	1.33	1.33	0.88	1	0.9	1.34	1.34	1	0.88	1.34

Source:

[1] San Pedro Bay Ports Emission Inventory Methodology Report Version 3a-2022, Table 2.7. August 2022.

Tankers and Barges Main Engine Rated Power

Year	Vessel Type	Peak Day	Annual Average
		Main Engine Average (kW)	Main Engine Average (kW)
any	OGV Barge	4,443	4,443
any	ATB	7,200	7,200
any	Tanker - Handymax	8,469	8,469
any	Tanker - Chemical	8,303	8,303
any	Tanker - Panamax	10,215	10,215
any	Tanker - Aframax	13,530	13,530
any	Bunkering Barge	0	0

Source:

[1] Average main engine rated power data were obtained from IHS database and Public internet webseach, 2023.

[2] Aframax characteristics from 2021 POLA Emissions Inventory Table 3.9.

Tankers and Barges Average Auxiliary Engine and Boiler Loads

Vessel Type	Engine Type	Average Loads (kW)			
		Transit	Maneuvering	Berthing	Anchorage
ATB	Auxiliary Engine	439	439	761	761
ATB	Pump Generator			711	
Tanker - Chemical	Auxiliary Engine	498	598	1,209	415
Tanker - Chemical	Auxiliary Boiler	90	135	316	203
Tanker - Handymax	Auxiliary Engine	659	682	1,055	560
Tanker - Handymax	Auxiliary Boiler	143	285	1,751	321
Tanker - Panamax	Auxiliary Engine	480	549	882	386
Tanker - Panamax	Auxiliary Boiler	223	346	2,046	517
Tanker - Aframax	Auxiliary Engine	448	565	833	417
Tanker - Aframax	Auxiliary Boiler	179	144	3,015	507
OGV Barge	Auxiliary Engine	40	40	70	70
OGV Barge	Pump Generator			547	
Bunkering Barge	Auxiliary Engine	66	66	115	
Bunkering Barge	Pump Generator				

Source:

[1] Tanker loads: 2021 POLA Emissions Inventory, Auxiliary Engines Table 3.2 and Auxiliary Boiler Table 3.4.

[2] Bunkering barge aux engine kw are assumed to be the same as assist tugboats (2021 POLA Emissions Inventory, Table 4.2). Bunkering barges do not use their pumps during loading at the terminal; the terminal's shore-side pumps are used instead.

[3] Pump and auxiliary engine loads for ATBs and OGV Barges from Phillips66 Rodeo EIR

Notes:

[4] Bunkering barge aux engine kw are multiplied by load factors from Barge and Dredge CARB Model

[5] Bunkering Barge auxiliary engine load at anchorage is zero because they will not spend time at anchorage

Tankers and Barges Maximum Rated Vessel Speed

Category	Speed (knots)
Tanker - Chemical	14.6
Tanker - Handymax	15
Tanker - Panamax	15
Tanker - Aframax	15
ATB	15
OGV Barge	13.2
Bunkering Barge	-

Source:

[1] Max Speed from 2021 POLA Emissions Inventory, Table 3.9.

Tankers and Barges Transit Speed (knots)

Year	Vessel Type	Anchorage	Berthing	Maneuvering	Precautionary Area	20-Nautical Miles to Precautionary Area	40 to 20 Nautical Miles	State Boundary to 40-Nautical Miles
any	OGV Barge	0	0	6	9	12.06	12.12	13.2
any	ATB	0	0	6	9	12.06	12.12	14
any	Tanker - Handymax	0	0	6	9	12.06	12.12	14
any	Tanker - Chemical	0	0	6	9	12.06	12.12	14
any	Tanker - Panamax	0	0	6	9	12.06	12.12	14
any	Tanker - Aframax	0	0	6	9	12.06	12.12	14
any	Bunkering Barge	0	0	6	9			

Notes:

[1] Speed at 20nm and 40 nm mark (12.06 and 12.12 knots respectively) based on 2021 VSRP compliance rates reports from Port of Los Angeles.

Tankers and Barges Transit Distance (nautical miles)

Year	Vessel Type	Anchorage	Berthing	Maneuvering	Precautionary Area	20-Nautical Miles to Precautionary Area	40 to 20 Nautical Miles	State Boundary to 40-Nautical Miles
any	OGV Barge	0	0	4	8	16	24	130
any	ATB	0	0	4	8	16	24	130
any	Tanker - Handymax	0	0	4	8	16	24	130
any	Tanker - Chemical	0	0	4	8	16	24	130
any	Tanker - Panamax	0	0	4	8	16	24	130
any	Tanker - Aframax	0	0	4	8	16	24	130
any	Bunkering Barge	0	0	4	8			

Harbor Craft

Baseline Harbor craft Vessel Characteristics and Activity

Year	Vessel Type	HC Classification	Engine Type	Engine Count per HC	HC Average MY	HC Average HP	HC Average kW	Load Factor	Average Annual Vessel Calls to Berth	Average Annual Vessel Transits
Baseline 2021										
2021	Tanker Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	15.00	30.00
2021	Tanker Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	15.00	30.00
2021	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	13.00	26.00
2021	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	13.00	26.00
2021	OGV Barge Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	29.00	58.00
2021	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	29.00	58.00
2021	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	234.00	468.00
2021	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	234.00	468.00

Source:
[1] Tugboat engine characteristics are from the 2021 Port Emissions Inventory, Tables 4.1 and 4.2.

Baseline Harbor craft Emission Factors

							Zero Hour Efs (g/hp-hr)				Deterioration Factor			
Year	Engine Type	Average MY	Average HP	HP Bin	Age in Project Year	Useful Life	ROG	CO	NOx	PM	HC	CO	NOx	PM
2021	Propulsion	2012	2675	>801	9	14	0.18	0.75	5.08	0.09	0.03143	0.03143	0.03143	0.03143
2021	Auxiliary	2015	206	>801	6	16	0.17	0.74	3.69	0.05	0.0275	0.0275	0.0275	0.0275

Year	Engine Type	Emission Factors (g/hp-hr)				
		VOC	CO	NOx	PM10	PM2.5
2021	Propulsion	0.164	0.770	4.927	0.080	0.072
2021	Auxiliary	0.153	0.744	3.544	0.045	0.041

Notes:
[1] ROG is assumed equivalent to VOC

Fuel Correction Factors

Type	Value	Description
HC	0.90	Fuel Correction Factor for ULSD
Nox	0.95	Fuel Correction Factor for ULSD
PM10	0.80	Fuel Correction Factor for ULSD - MY older than 2011
PM10	0.85	Fuel Correction Factor for ULSD - MY 2011 or newer
PM2.5/PM10	0.90	Offroad model

Source:
[1] https://ww2.arb.ca.gov/our-work/programs/mobile-source-emissions-inventory/road-documentation/msei-documentation-road
[2] https://www.arb.ca.gov/regact/2007/chc07/appb.pdf

Harbor craft Load Factor

Type		Main Engine	Auxiliary Engine
Assist tugboat		0.16	0.34

Source:
[1] San Pedro Bay Ports Emissions Inventory Methodology Report Version3a August 2022

Harbor Craft GHG Emission Factors - EPA Standards

Engine Displacement	(kW)	EPA Tier	MY	CARB Compliance Year	CO2	CH4	N2O
Category 1 = HC Auxiliary Engines							
>= 2.5	>= 37	Tier 1	2004		652	0.008	0.031
<0.9	37-75	Tier 2	2005		652	0.008	0.031
0.9 < displ < 1.2	All	Tier 2	2004		652	0.007	0.031
1.2 < displ < 2.5	All	Tier 2	2004		652	0.007	0.031
2.5 < displ < 5	All	Tier 2	2007		652	0.007	0.031
<0.9	< 8	Tier 3	2009		652	0.008	0.031
<0.9	8 <= kW < 19	Tier 3	2009		652	0.008	0.031
<0.9	19 <= kW < 37	Tier 3	2014		652	0.008	0.031
<0.9	19 <= kW < 37	Tier 3	2009		652	0.005	0.031
<0.9	37 <= kW < 75	Tier 3	2009		652	0.008	0.031
<0.9	37 <= kW < 75	Tier 3	2014		652	0.047	0.031
<0.9	>= 75	Tier 3	2012		652	0.054	0.031
0.9 < displ < 1.2	All	Tier 3	2013		652	0.054	0.031
1.2 < displ < 2.5	< 600	Tier 3	2014		652	0.056	0.031
1.2 < displ < 2.5	< 600	Tier 3	2018		652	0.056	0.031
1.2 < displ < 2.5	>= 600	Tier 3	2014		652	0.056	0.031
2.5 < displ < 5	< 600	Tier 3	2013		652	0.056	0.031
2.5 < displ < 5	< 600	Tier 3	2018		652	0.056	0.031
2.5 < displ < 5	>= 600	Tier 3	2013		652	0.056	0.031
3.5 ≤ D < 7	< 600	Tier 3	2012		652	0.058	0.031
3.5 ≤ D < 7	< 600	Tier 3	2018		652	0.058	0.031
3.5 ≤ D < 7	>= 600	Tier 3	2012		652	0.058	0.031
<0.9	>= 75	Tier 3	2012		652	0.058	0.031
0.9 < displ < 1.2	All	Tier 3	2013		652	0.058	0.031
1.2 < displ < 2.5	All	Tier 3	2014		652	0.058	0.031
2.5 < displ < 5	All	Tier 3	2013		652	0.058	0.031
3.5 ≤ D < 7	All	Tier 3	2012		652	0.058	0.031
< 7	600 <= kW < 1400	Tier 4	2017		652	0.038	0.031
< 7	1400 <= kW < 2000	Tier 4	2016		652	0.038	0.031
< 7	2000 <= kW < 3700	Tier 4	2014		652	0.038	0.031
< 7	>= 3700	Tier 4	2014		652	0.038	0.031
< 7	>= 3700	Tier 4	2016		652	0.038	0.031
Category 2 = HC Propulsion Engines							
All	All	Tier 1	2004		652	0.019	0.031
5.0 ≤ D < 15	all	Tier 2	2007		652	0.008	0.031
15 ≤ D < 20	< 3300 kW	Tier 2	2007		652	0.009	0.031
15 ≤ D < 20	≥ 3300 kW	Tier 2	2007		652	0.010	0.031
20 ≤ D < 25	all	Tier 2	2007		652	0.010	0.031
25 ≤ D < 30	all	Tier 2	2007		652	0.011	0.031
7 ≤ D < 15	<2000	Tier 3	2013		652	0.006	0.031
7 ≤ D < 15	2000-3700	Tier 3	2013		652	0.008	0.031
15 ≤ D < 20	<2000	Tier 3	2014		652	0.007	0.031
20 ≤ D < 25	<2000	Tier 3	2014		652	0.010	0.031
25 ≤ D < 30	<2000	Tier 3	2014		652	0.011	0.031
all	2000-3700	Tier 4	2014		652	0.004	0.031
<15	>3700	Tier 4	2014		652	0.004	0.031
15 ≤ D < 30	>3700	Tier 4	2014		652	0.004	0.031
all	>3700	Tier 4	2016		652	0.004	0.031
all	1400-2000	Tier 4	2016		652	0.004	0.031
all	600-1400	Tier 4	2017		652	0.004	0.031

Source:

[1] CO2 and N20 emission factors are from IVL: Methodology for Calculating Emissions from Ships: Update on Emission Factors, 2004, also summarized in POLA 2009 Emissions Inventory, Appendix B. CH4 is 2% of HC, per IVL study.

Proposed Project Harbor Craft Vessel Characteristics and Activity - Uncontrolled Tanker Visits

Year	Vessel Type	HC Classification	Engine Type	Engine Count per HC	HC Average MY	HC Average HP	HC Average kW	Load Factor	Average Annual Vessel Calls to Berth	Average Annual Vessel Transits	Average Annual Vessel Calls to Anchorage	Average Annual Vessel Transits - Maneuvering to Anchorage
Uncontrolled Proposed Project 2027												
2027	Tanker Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	8	16	40	80
2027	Tanker Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	8	16	40	80
2027	ECS Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0	0	0
2027	ECS Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0	0	0
2027	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	8	16	2	4
2027	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	8	16	2	4
2027	OGV Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	79	158	23	46
2027	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	79	158	23	46
2027	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	209	418	0	0
2027	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	209	418	0	0
Uncontrolled Proposed Project 2057												
2057	Tanker Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	8	16	40	80
2057	Tanker Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	8	16	40	80
2057	ECS Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0	0	0
2057	ECS Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0	0	0
2057	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	8	16	2	4
2057	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	8	16	2	4
2057	OGV Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	79	158	23	46
2057	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	79	158	23	46
2057	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	209	418	0	0
2057	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	209	418	0	0

Proposed Project Harbor Craft Vessel Characteristics and Activity - Controlled Tanker Visits

Year	Vessel Type	HC Classification	Engine Type	Engine Count per HC	HC Average MY	HC Average HP	HC Average kW	Load Factor	Average Annual Vessel Calls to Berth	Average Annual Vessel Transits	Average Annual Vessel Calls to Anchorage	Average Annual Vessel Transits - Maneuvering to Anchorage
Controlled Proposed Project 2027												
2027	Tanker Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	67	134	0	0
2027	Tanker Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	67	134	0	0
2027	ECS Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	67	134	0	0
2027	ECS Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	67	134	0	0
2027	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0	0	0
2027	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0	0	0
2027	OGV Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0	0	0
2027	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0	0	0
2027	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0	0	0
2027	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0	0	0
Controlled Proposed Project 2057												
2057	Tanker Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	67	134	0	0
2057	Tanker Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	67	134	0	0
2057	ECS Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	67	134	0	0
2057	ECS Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	67	134	0	0
2057	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0	0	0
2057	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0	0	0
2057	OGV Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0	0	0
2057	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0	0	0
2057	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0	0	0
2057	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0	0	0

Source:

[1] Tugboat engine characteristics are from the 2021 Port Emissions Inventory, Tables 4.1 and 4.2.

Harbor Craft time required to assist vessel (hr/one-way trip)

	Berthing	Maneuvering	Maneuvering to Anchorage	Precautionary Area	20-Nautical Miles to Precautionary Area	40 to 20 Nautical Miles	State Boundary to 40-Nautical Miles
Propulsion	0	0.85	0.44	0.91	0.00	0.00	0.00
Auxiliary	0	0.85	0.44	0.91	0.00	0.00	0.00

Notes:

[1] Zone 1: Transit time is the transit distance in Zone 1 (harbor transit) divided by the speed in Zone 1, times 1.3 to account for tug movement and assist time.

[2] Harbor Crafts do not transit outside the Precautionary Area

Harbor Craft Emission Factors

							Zero Hour Efs (g/hp-hr)				Deterioration Factor			
Year	Engine Type	Average MY[1]	Average HP	HP Bin	Age in Project Year	Useful Life	ROG	CO	NOx	PM	HC	CO	NOx	PM
2027	Propulsion	2026	2675	>801	1	14	0.04	0.50	1.04	0.03	0.031429	0.031429	0.031429	0.031429
2027	Auxiliary	2015	206	176-300	12	16	0.12	0.78	3.22	0.07	0.0175	0.0175	0.0175	0.0175
2057	Propulsion	2050	2004	>801	7	14	0.04	0.50	1.04	0.03	0.031429	0.031429	0.031429	0.031429
2057	Auxiliary	2047	184	176-300	10	16	0.12	0.78	3.22	0.07	0.0175	0.0175	0.0175	0.0175

Notes:

[1] 2057 Model Year set to 2050 because that is the max model year from OFFROAD model

Year	Engine Type	Emission Factors (g/hp-hr)				
		VOC	CO	NOx	PM10	PM2.5
2027	Propulsion	0.033	0.505	0.992	0.023	0.020
2027	Auxiliary	0.107	0.789	3.101	0.063	0.056
2057	Propulsion	0.034	0.512	1.006	0.023	0.021
2057	Auxiliary	0.107	0.787	3.095	0.063	0.056

Notes:

[1] ROG is assumed equivalent to VOC

Peak Day Proposed Project and Baseline Harbor craft Vessel Characteristics and Activity

Year	Vessel Type	HC Classification	Engine Type	Engine Count per HC	HC Average MY	HC Average HP	HC Average kW	Load Factor	Peak Day Vessel Calls to Berth	Peak Day Vessel Transits
Baseline 2021 and Proposed Project (2027, 2057)										
2021	Tanker Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	1	1
2021	Tanker Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	1	1
2021	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	1	1
2021	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	1	1
2021	OGV Barge Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	0	0
2021	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0
2021	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2012	2,675	1,996	0.16	1	2
2021	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	1	2
2027	Tanker Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	2	2
2027	Tanker Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	2	2
2027	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0
2027	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0
2027	OGV Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	1
2027	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	1
2027	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2026	2,675	1,996	0.16	0	0
2027	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2015	206	154	0.34	0	0
2057	Tanker Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	2	2
2057	Tanker Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	2	2
2057	ITB/ATB Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0
2057	ITB/ATB Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0
2057	OGV Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	1
2057	OGV Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	1
2057	Bunkering Barge Assist	Assist Tugboat	Propulsion	2	2054	2,675	1,996	0.16	0	0
2057	Bunkering Barge Assist	Assist Tugboat	Auxiliary	2	2047	206	154	0.34	0	0

Source:

[1] Tugboat engine characteristics are from the 2021 Port Emissions Inventory, Tables 4.1 and 4.2.

[2] CO2 and N2O emission factors are from IVL: Methodology for Calculating Emissions from Ships: Update on Emission Factors, 2004, also summarized in POLA 2019 Emissions Inventory, Appendix B. CH4 is 2% of HC, per IVL study.

[3] Tier split from 2021 Port Inventory, https://kentico.portoflosangeles.org/getmedia/f26839cd-54cd-4da9-92b7-a34094ee75a8/2021_Air_Emissions_Inventory

Stationary Sources

Baseline Stationary Source Activity (throughput or count) and Emission Factors (lbs/M gal or lbs/component)

Year	Process	AER Device ID	A/N	Process ID	Equipment or Component Type	Product	Throughput or Count	Units	ROG Emission Factor lbs/M gal or lbs/component
2021	Storage Tanks	ES10	535534	P1	Storage tank	Distillate fuel oil no. 2	32,312	M gal	0.0022
2021	Storage Tanks	ES10	535534	P2	Storage tank	LAR Gas Oils - Stream ID 309	1,391	M gal	0.0024
2021	Storage Tanks	ES11	535535	P1	Storage tank	Tank 377 LARW ORURecovered Oil (Jan)	293	M gal	0.0848
2021	Storage Tanks	ES11	535535	P2	Storage tank	Tank 377 LARW ORURecovered Oil (Feb)	1,540	M gal	0.0789
2021	Storage Tanks	ES11	535535	P3	Storage tank	Tank 377 LARW ORURecovered Oil (Mar)	16	M gal	1.0075
2021	Storage Tanks	ES11	535535	P4	Storage tank	Tank 377 LARW ORURecovered Oil (Apr)	16	M gal	6.0978
2021	Storage Tanks	ES11	535535	P5	Storage tank	Tank 377 LARW ORURecovered Oil (May)	22	M gal	2.9000
2021	Storage Tanks	ES11	535535	P6	Storage tank	Tank 377 LARW ORURecovered Oil (Jun)	12	M gal	4.3676
2021	Storage Tanks	ES11	535535	P7	Storage tank	Tank 377 LARW ORURecovered Oil (Jul)	1,050	M gal	0.0381
2021	Storage Tanks	ES11	535535	P8	Storage tank	Tank 377 LARW ORURecovered Oil (Aug)	1,834	M gal	0.0719
2021	Storage Tanks	ES11	535535	P9	Storage tank	Tank 377 LARW ORURecovered Oil (Sep)	10	M gal	6.3142
2021	Storage Tanks	ES11	535535	P10	Storage tank	Tank 377 LARW ORURecovered Oil (Oct)	6	M gal	11.6184
2021	Storage Tanks	ES11	535535	P11	Storage tank	Tank 377 LARW ORURecovered Oil (Nov)	11	M gal	0.4857
2021	Storage Tanks	ES11	535535	P12	Storage tank	Tank 377 LARW ORURecovered Oil (Dec)	234	M gal	0.1974
2021	Storage Tanks	ES12	535536	P1	Storage tank	Distillate fuel oil no. 2	31,159	M gal	0.0028
2021	Storage Tanks	ES14	535542	P1	Storage tank	Distillate fuel oil no. 2	24,438	M gal	0.0051
2021	Storage Tanks	ES15	535544	P1	Storage tank	Tank 217 recovered oil (Jan)	996	M gal	0.0828
2021	Storage Tanks	ES15	535544	P2	Storage tank	Tank 217 recovered oil (Feb)	806	M gal	0.1005
2021	Storage Tanks	ES15	535544	P3	Storage tank	Tank 217 recovered oil (Mar)	12	M gal	1.1951
2021	Storage Tanks	ES15	535544	P4	Storage tank	Tank 217 recovered oil (Apr)	22	M gal	1.3647
2021	Storage Tanks	ES15	535544	P5	Storage tank	Tank 217 recovered oil (May)	21	M gal	0.3627
2021	Storage Tanks	ES15	535544	P6	Storage tank	Tank 217 recovered oil (Jun)	11	M gal	2.3767
2021	Storage Tanks	ES15	535544	P7	Storage tank	Tank 217 recovered oil (Jul)	546	M gal	0.0508
2021	Storage Tanks	ES15	535544	P8	Storage tank	Tank 217 recovered oil (Aug)	1,176	M gal	0.0273
2021	Storage Tanks	ES15	535544	P9	Storage tank	Tank 217 recovered oil (Sep)	16	M gal	2.1579
2021	Storage Tanks	ES15	535544	P10	Storage tank	Tank 217 recovered oil (Oct)	17	M gal	1.9077
2021	Storage Tanks	ES15	535544	P11	Storage tank	Tank 217 recovered oil (Nov)	14	M gal	2.1999
2021	Storage Tanks	ES15	535544	P12	Storage tank	Tank 217 recovered oil (Dec)	8	M gal	1.1441
2021	Storage Tanks	ES17	546452	P1	Storage tank	LAR Gas Oils - Stream ID 302	13,568	M gal	0.0269
2021	Storage Tanks	ES17	546452	P2	Storage tank	LAR Gas Oils - Stream ID 311	42,798	M gal	0.0201
2021	Storage Tanks	ES18	546453	P1	Storage tank	LAR Gas Oils - Stream ID 311	16,634	M gal	0.0031
2021	Storage Tanks	ES18	546453	P2	Storage tank	LAR Gas Oils - Stream ID 302	6,552	M gal	0.0024
2021	Storage Tanks	ES26		P1	Storage tank	LARMTLube Oils	1	M gal	0.1759
2021	Storage Tanks	ES27		P1	Storage tank	LARMTLube Oils	675	M gal	0.0005
2021	Storage Tanks	ES28		P1	Storage tank	LARMTLube Oils	1,090	M gal	0.0006
2021	Storage Tanks	ES29		P1	Storage tank	LARMTLube Oils	5,767	M gal	0.0004
2021	Storage Tanks	ES30		P1	Storage tank	LARMTLube Oils	1,202	M gal	0.0006
2021	Storage Tanks	ES31		P1	Storage tank	LARMTLube Oils	972	M gal	0.0006
2021	Storage Tanks	ES32		P1	Storage tank	LARMTLube Oils	1	M gal	0.2133
2021	Fugitive Components	ES33		P1	Valves in Light Liquid Service		905	components	0.1699
2021	Fugitive Components	ES33		P2	Valves in Heavy Liquid Service		792	components	1.8505
2021	Fugitive Components	ES33		P3	Pumps in Light Liquid Service (Double Mechanical / Tandem Seals)		24	components	2.8386
2021	Fugitive Components	ES33		P4	Pumps in Heavy Liquid Service (Single Mechanical Seal)		21	components	0.6798
2021	Fugitive Components	ES33		P5	Pressure Relieve Valves (PRV)		38	components	0.3248
2021	Fugitive Components	ES33		P6	Connectors		5,802	components	0.4712
2021	Fugitive Components	ES33		P7	Process Drains with P-trap or Seal pot		131	components	0.3792
2021	Fugitive Components	ES33		P8	Other (including fittings, hatches, sight-glasses, meters, etc)		68	components	0.5376
2021	Other Process	ES22		P1	Petroleum : Bulk Plants and MarineTerminals : Loading - Barges : Other Materials		164,237	M gal	0.0005
2021	Other Process	ES35		P1	Petroleum : Bulk Plants and MarineTerminals : Loading - Tank Trucks : Other Materials		3,851	M gal	0.0002

Notes:

[1] Baseline Stationary Source emissions, emission factors, and activity came from the B148-151 SCAQMD Annual Emission Report (AER) 2021 (Phillips 66 2023).

[2] The data presented here only correspond to the Baseline year (2021). Future Year Stationary Source emissions were scaled based on the ratio of future year throughput (provided by tenant) to baseline throughput. Loading activities were scaled based only on the loading throughput ratio. Piping component fugitive emissions were assumed to be indpendent of throughput and kept constant from 2021 to future years 2027 and 2057.

Operational Emissions Summary

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.01414236	0.00027615	0.00088425	5.305E-05	0.00010491	0	0	0.00010037	0	0	5.60229258	1.2826E-05	0.00088264	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00224531	4.3842E-05	0.00014039	8.4225E-06	1.6656E-05	0	0	1.5936E-05	0	0	0.88944729	2.0364E-06	0.00014013	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00967631	0.00018894	0.00060501	3.6297E-05	7.1781E-05	0	0	6.8676E-05	0	0	3.83312859	8.7759E-06	0.00060391	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00383923	7.4966E-05	0.00024005	1.4402E-05	2.848E-05	0	0	2.7248E-05	0	0	1.52085395	3.482E-06	0.00023961	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00522844	0.00010209	0.00032691	1.9613E-05	3.8786E-05	0	0	3.7108E-05	0	0	2.07117243	4.7419E-06	0.00032631	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00142197	2.7766E-05	8.8909E-05	5.334E-06	1.0548E-05	0	0	1.0092E-05	0	0	0.56329259	1.2896E-06	8.8747E-05	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.21961924	0.00428834	0.01373169	0.00082383	0.00162918	0	0	0.00155871	0	0	86.9989727	0.00019918	0.01370672	0.002742484	0.000673155	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	7.029E-05	4.1285E-06	4.4386E-05	1.1017E-07	2.6651E-08	0	0	2.5499E-08	0	0	0.01163381	1.9176E-07	1.8329E-06	0	0	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00862165	0.00036336	0.00120474	1.8778E-05	2.049E-05	0	0	1.9604E-05	0	0	1.98306959	1.6877E-05	0.00031243	3.95351E-06	9.70407E-07	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	2.7545E-05	6.6411E-05	0	6.8862E-06	2.3244E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00012304	0.00029666	0	3.0761E-05	0.00010383	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.9535E-05	4.7099E-05	0	4.8837E-06	1.6485E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	8.4186E-05	0.00020297	0	2.1047E-05	7.1041E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	3.3402E-05	8.0533E-05	0	8.3506E-06	2.8187E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	4.5489E-05	0.00010967	0	1.1372E-05	3.8386E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	1.2372E-05	2.9828E-05	0	3.0929E-06	1.044E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00191074	0.00460683	0	0.00047769	0.00161239	0	0	0	0	0	0.01	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00115697	0.0002951	0.01937669	5.9934E-05	3.2862E-05	0	0	3.0216E-05	0	0	6.06248191	7.3454E-05	0.0001141	0.001039467	0.000255142	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	0.00012684	0.00015679	0.00167731	1.1019E-06	1.707E-06	0	0	1.5696E-06	0	0	0.11146164	3.37E-05	1.5243E-05	8.99085E-07	2.20684E-07	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	1.392E-06	1.4616E-06	0	3.4801E-07	5.1156E-07	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00016094	0.00016898	0	4.0234E-05	5.9144E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00624557	4.5612E-05	0.00031159	6.4146E-05	0.00010993	0	0	0.00010517	0	0	6.77402254	2.1185E-06	0.00106725	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00099158	7.2415E-06	4.9469E-05	1.0184E-05	1.7453E-05	0	0	1.6698E-05	0	0	1.07547685	3.3635E-07	0.00016944	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00427327	3.1208E-05	0.00021319	4.3889E-05	7.5215E-05	0	0	7.1961E-05	0	0	4.63483459	1.4495E-06	0.00073022	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00169549	1.2382E-05	8.4587E-05	1.7414E-05	2.9843E-05	0	0	2.8552E-05	0	0	1.8389434	5.7512E-07	0.00028973	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00230899	1.6863E-05	0.00011519	2.3715E-05	4.0641E-05	0	0	3.8883E-05	0	0	2.50436201	7.8323E-07	0.00039456	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00062797	4.5861E-06	3.1329E-05	6.4497E-06	1.1053E-05	0	0	1.0575E-05	0	0	0.68110629	2.1301E-07	0.00010731	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.09698857	0.00070831	0.00483873	0.00099613	0.00170713	0	0	0.00163328	0	0	105.19497	3.2899E-05	0.01657351	0.003333698	0.000818271	0.01	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	7.8503E-05	6.6432E-06	9.8159E-05	1.5225E-07	2.8272E-08	0	0	2.7049E-08	0	0	0.01607817	3.0856E-07	2.5331E-06	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.0097245	2.8815E-05	0.00039857	2.0626E-05	6.9743E-06	0	0	6.6726E-06	0	0	2.17822017	1.3384E-06	0.00034318	4.80579E-06	1.1796E-06	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	3.3483E-05	7.3399E-05	0	8.3707E-06	2.569E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00014957	0.00032787	0	3.7392E-05	0.00011475	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	2.3746E-05	5.2054E-05	0	5.9365E-06	1.8219E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	0.00010233	0.00022433	0	2.5584E-05	7.8516E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	4.0603E-05	8.9007E-05	0	1.0151E-05	3.1152E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	5.5295E-05	0.00012121	0	1.3824E-05	4.2425E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	1.5039E-05	3.2966E-05	0	3.7596E-06	1.1538E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00232266	0.00509154	0	0.00058066	0.00178204	0	0	0	0	0	0.01	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00065137	0.00015019	0.01368949	5.3381E-05	2.6057E-05	0	0	2.3959E-05	0	0	5.39961559	4.1565E-05	8.2004E-05	0.001039467	0.000255142	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	9.4183E-05	0.00010509	0.0012042	9.8009E-07	1.3815E-06	0	0	1.2703E-06	0	0	0.09913927	2.4154E-05	1.2973E-05	8.99085E-07	2.20684E-07	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	1.392E-06	1.4498E-06	0	3.4801E-07	5.0742E-07	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00016094	0.00016761	0	4.0234E-05	5.8665E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00465985	4.0564E-05	0.00017375	5.2805E-05	9.4458E-05	0	0	9.0372E-05	0	0	5.57637198	1.8841E-06	0.00087856	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00073982	6.4401E-06	2.7585E-05	8.3836E-06	1.4997E-05	0	0	1.4348E-05	0	0	0.88533201	2.9913E-07	0.00013948	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.0031883	2.7754E-05	0.00011888	3.6129E-05	6.4629E-05	0	0	6.1833E-05	0	0	3.81539352	1.2891E-06	0.00060112	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00126501	1.1012E-05	4.7168E-05	1.4335E-05	2.5643E-05	0	0	2.4533E-05	0	0	1.51381729	5.1147E-07	0.0002385	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00172275	1.4996E-05	6.4236E-05	1.9522E-05	3.4921E-05	0	0	3.3411E-05	0	0	2.06158956	6.9655E-07	0.0003248	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00046853	4.0786E-06	1.747E-05	5.3094E-06	9.4975E-06	0	0	9.0866E-06	0	0	0.56068636	1.8944E-07	8.8336E-05	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.07236359	0.00062992	0.0026982	0.00082002	0.00146686	0	0	0.0014034	0	0	86.5964472	2.9258E-05	0.01364331	0.003333698	0.000818271	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	7.0154E-05	5.9368E-06	8.772E-05	1.2027E-07	2.5266E-08	0	0	2.4173E-08	0	0	0.01270076	2.7575E-07	2.001E-06	0	0	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.0081706	2.4015E-05	0.00026917	1.5974E-05	5.8131E-06	0	0	5.5617E-06	0	0	1.68686811	1.1154E-06	0.00026577	4.80579E-06	1.1796E-06	0.00	0.00	0.00
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	3.3483E-05	7.9895E-05	0	8.3707E-06	2.7963E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00014957	0.00035689	0	3.7392E-05	0.00012491	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	2.3746E-05	5.6661E-05	0	5.9365E-06	1.9831E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	0.00010233	0.00024418	0	2.5584E-05	8.5464E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	4.0603E-05	9.6884E-05	0	1.0151E-05	3.3909E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	5.5295E-05	0.00013194	0	1.3824E-05	4.6179E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	1.5039E-05	3.5884E-05	0	3.7596E-06	1.2559E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00232266	0.00554215	0	0.00058066	0.00193975	0	0	0	0	0	0.01	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00037989	6.1378E-05	0.00997338	4.5508E-05	1.0635E-05	0	0	9.7789E-06	0	0	4.60330662	2.1332E-05	6.3053E-05	0.001039467	0.000255142	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	6.5329E-05	4.601E-05	0.00073451	8.276E-07	5.6363E-07	0	0	5.1824E-07	0	0	0.08371448	1.2459E-05	1.0524E-05	8.99085E-07	2.20684E-07	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	1.392E-06	1.4399E-06	0	3.4801E-07	5.0397E-07	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00016094	0.00016647	0	4.0234E-05	5.8266E-05	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.21147461	0.0041293	0.01322245	0.00079328	0.00156876	0	0	0.0015009	0	0	83.7725993	0.0001918	0.01319841	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.03357474	0.00065559	0.00209926	0.00012594	0.00024906	0	0	0.00023829	0	0	13.3001464	3.045E-05	0.00209544	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.14469244	0.0028253	0.0090469	0.00054277	0.00107336	0	0	0.00102693	0	0	57.3178107	0.00013123	0.00903044	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.057409	0.00112098	0.0035895	0.00021535	0.00042587	0	0	0.00040745	0	0	22.7417413	5.2067E-05	0.00358297	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.07818235	0.00152661	0.00488835	0.00029327	0.00057997	0	0	0.00055488	0	0	30.9708027	7.0907E-05	0.00487946	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.0212631	0.00041519	0.00132948	7.9761E-05	0.00015773	0	0	0.00015091	0	0	8.42306676	1.9284E-05	0.00132706	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	3.28402596	0.06412469	0.20533375	0.01231893	0.02436162	0	0	0.02330775	0	0	1300.91922	0.00297843	0.20496035	0.041009101	0.01006587	0.07	0.03	0.02
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	0.00105106	6.1734E-05	0.00066372	1.6473E-06	3.9853E-07	0	0	3.8129E-07	0	0	0.17396353	2.8674E-06	2.7408E-05	0	0	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.1289219	0.00543336	0.01801473	0.0002808	0.00030639	0	0	0.00029314	0	0	29.6533771	0.00025237	0.0046719	5.91179E-05	1.45108E-05	0.00	0.00	0.00
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	0.00041189	0.00099306	0	0.00010297	0.00034757	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00183988	0.00443598	0	0.00045997	0.00155259	0	0	0	0	0	0.01	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	0.00029211	0.00070428	0	7.3027E-05	0.0002465	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	0.00125886	0.00303513	0	0.00031472	0.0010623	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	0.00049947	0.00120424	0	0.00012487	0.00042148	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	0.00068021	0.00163999	0	0.00017005	0.000574	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	0.00018499	0.00044602	0	4.6249E-05	0.00015611	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.02857188	0.06888713	0	0.00714297	0.02411049	0	0	0	0	0	0.10	0.03	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00633956	0.00161699	0.10617364	0.0003284	0.00018007	0	0	0.00016557	0	0	33.2190789	0.00040249	0.0006252	0.005695708	0.001398038	0.01	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	0.00069502	0.0008591	0.00919073	6.0379E-06	9.3536E-06	0	0	8.6007E-06	0	0	0.61074872	0.00018466	8.3525E-05	4.92649E-06	1.20923E-06	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	7.6275E-06	8.0088E-06	0	1.9069E-06	2.8031E-06	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00088185	0.00092593	0	0.00022046	0.00032407	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.09339173	0.00068204	0.00465928	0.00095919	0.00164382	0	0	0.00157271	0	0	101.293795	3.1679E-05	0.01595888	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.01482733	0.00010828	0.00073973	0.00015229	0.00026098	0	0	0.00024969	0	0	16.0818968	5.0295E-06	0.00253371	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.06389929	0.00046666	0.00318791	0.00065629	0.00112471	0	0	0.00107606	0	0	69.3059378	2.1675E-05	0.01091918	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.02535305	0.00018515	0.00126485	0.00026039	0.00044625	0	0	0.00042694	0	0	27.498219	8.5999E-06	0.00433236	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.034527	0.00025215	0.00172254	0.00035461	0.00060772	0	0	0.00058143	0	0	37.448404	1.1712E-05	0.00590001	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00939024	6.8577E-05	0.00046848	9.6444E-05	0.00016528	0	0	0.00015813	0	0	10.1847669	3.1852E-06	0.00160461	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	1.45029641	0.01059156	0.07235477	0.01489545	0.02552714	0	0	0.02442285	0	0	1573.0089	0.00049195	0.24782819	0.049849692	0.012235834	0.0754	0.04	0.03
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	0.00117387	9.9338E-05	0.0014678	2.2766E-06	4.2276E-07	0	0	4.0448E-07	0	0	0.2404212	4.614E-06	3.7878E-05	0	0	0.0000	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.14541309	0.00043089	0.00595995	0.00030843	0.00010429	0	0	9.9777E-05	0	0	32.5715166	2.0014E-05	0.00513166	7.18623E-05	1.76389E-05	0.0002	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	0.00050068	0.00109755	0	0.00012517	0.00038414	0	0	0	0	0	0.0016	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00223652	0.00490272	0	0.00055913	0.00171595	0	0	0	0	0	0.01	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	0.00035508	0.00077838	0	8.877E-05	0.00027243	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	0.00153024	0.00335448	0	0.00038256	0.00117407	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	0.00060715	0.00133094	0	0.00015179	0.00046583	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	0.00082684	0.00181254	0	0.00020671	0.00063439	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	0.00022487	0.00049295	0	5.6219E-05	0.00017253	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.0347313	0.07613525	0	0.00868282	0.02664734	0	0	0	0	0	0.1109	0.04	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00356914	0.00082296	0.0750109	0.0002925	0.00014278	0	0	0.00013128	0	0	29.5869348	0.00022776	0.00044934	0.005695708	0.001398038	0.0058	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	0.00051607	0.00057585	0.00659836	5.3704E-06	7.57E-06	0	0	6.9603E-06	0	0	0.54322889	0.00013235	7.1084E-05	4.92649E-06	1.20923E-06	0.0000	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	7.6275E-06	7.944E-06	0	1.9069E-06	2.7804E-06	0	0	0	0	0	0.0000	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00088185	0.00091844	0	0.00022046	0.00032145	0	0	0	0	0	0.0018	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.06967997	0.00060656	0.00259813	0.00078961	0.00141246	0	0	0.00135136	0	0	83.3850015	2.8173E-05	0.01313734	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.01106273	9.6301E-05	0.00041249	0.00012536	0.00022425	0	0	0.00021455	0	0	13.2386094	4.4729E-06	0.00208575	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.04767553	0.00041501	0.00177766	0.00054025	0.00096642	0	0	0.00092461	0	0	57.0526135	1.9276E-05	0.00898866	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.01891602	0.00016466	0.00070532	0.00021435	0.00038344	0	0	0.00036685	0	0	22.6365202	7.6482E-06	0.00356639	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.02576075	0.00022425	0.00096053	0.00029192	0.00052219	0	0	0.0004996	0	0	30.8275075	1.0416E-05	0.00485689	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.0070061	6.0988E-05	0.00026123	7.9392E-05	0.00014202	0	0	0.00013587	0	0	8.38409504	2.8327E-06	0.00132092	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	1.08207237	0.0094194	0.04034688	0.01226193	0.02193433	0	0	0.02098546	0	0	1294.90014	0.00043751	0.20401205	0.049849692	0.012235834	0.07	0.03	0.02
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	0.00104903	8.8774E-05	0.00131171	1.7984E-06	3.7781E-07	0	0	3.6146E-07	0	0	0.18991795	4.1233E-06	2.9922E-05	0	0	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.12217722	0.0003591	0.00402503	0.00023886	8.6925E-05	0	0	8.3165E-05	0	0	25.224196	1.6679E-05	0.00397408	7.18623E-05	1.76389E-05	0.00	0.00	0.00
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	0.00050068	0.00119468	0	0.00012517	0.00041814	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00223652	0.00533662	0	0.00055913	0.00186782	0	0	0	0	0	0.01	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	0.00035508	0.00084727	0	8.877E-05	0.00029654	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	0.00153024	0.00365135	0	0.00038256	0.00127797	0	0	0	0	0	0.01	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	0.00060715	0.00144873	0	0.00015179	0.00050706	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	0.00082684	0.00197295	0	0.00020671	0.00069053	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	0.00022487	0.00053658	0	5.6219E-05	0.0001878	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.0347313	0.0828733	0	0.00868282	0.02900565	0	0	0	0	0	0.12	0.04	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00208157	0.00033632	0.05464868	0.00024936	5.8276E-05	0	0	5.3583E-05	0	0	25.2235979	0.00011689	0.0003455	0.005695708	0.001398038	0.01	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	0.00035797	0.00025211	0.0040247	4.5348E-06	3.0884E-06	0	0	2.8397E-06	0	0	0.45870949	6.8266E-05	5.7665E-05	4.92649E-06	1.20923E-06	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	7.6275E-06	7.8899E-06	0	1.9069E-06	2.7615E-06	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00088185	0.00091218	0	0.00022046	0.00031926	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00881144	0.00017205	0.00055094	3.3053E-05	6.5365E-05	0	0	6.2538E-05	0	0	3.49052497	7.9915E-06	0.00054993	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00139895	2.7316E-05	8.7469E-05	5.2477E-06	1.0378E-05	0	0	9.9288E-06	0	0	0.55417277	1.2688E-06	8.731E-05	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00602885	0.00011772	0.00037695	2.2615E-05	4.4723E-05	0	0	4.2789E-05	0	0	2.38824211	5.4678E-06	0.00037627	0	0	0.00	0.00	0.00

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00239204	4.6708E-05	0.00014956	8.9729E-06	1.7745E-05	0	0	1.6977E-05	0	0	0.94757256	2.1694E-06	0.00014929	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.0032576	6.3609E-05	0.00020368	1.222E-05	2.4166E-05	0	0	2.312E-05	0	0	1.29045011	2.9545E-06	0.00020331	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00088596	1.73E-05	5.5395E-05	3.3234E-06	6.5723E-06	0	0	6.2879E-06	0	0	0.35096111	8.0352E-07	5.5294E-05	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.13683441	0.00267186	0.00855557	0.00051329	0.00101507	0	0	0.00097116	0	0	54.2049674	0.0001241	0.00854001	0.001708713	0.000419411	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	4.3794E-05	2.5722E-06	2.7655E-05	6.8639E-08	1.6605E-08	0	0	1.5887E-08	0	0	0.00724848	1.1947E-07	1.142E-06	0	0	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00537175	0.00022639	0.00075061	1.17E-05	1.2766E-05	0	0	1.2214E-05	0	0	1.23555738	1.0515E-05	0.00019466	2.46325E-06	6.04615E-07	0.00	0.00	0.00
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	1.7162E-05	4.1378E-05	0	4.2905E-06	1.4482E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	7.6662E-05	0.00018483	0	1.9165E-05	6.4691E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.2171E-05	2.9345E-05	0	3.0428E-06	1.0271E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	5.2453E-05	0.00012646	0	1.3113E-05	4.4262E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	2.0811E-05	5.0176E-05	0	5.2028E-06	1.7562E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	2.8342E-05	6.8333E-05	0	7.0855E-06	2.3916E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	7.7081E-06	1.8584E-05	0	1.927E-06	6.5045E-06	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00119049	0.0028703	0	0.00029762	0.0010046	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00026415	6.7375E-05	0.0044239	1.3684E-05	7.5028E-06	0	0	6.8987E-06	0	0	1.38412829	1.677E-05	2.605E-05	0.000237321	5.82516E-05	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	2.8959E-05	3.5796E-05	0.00038295	2.5158E-07	3.8973E-07	0	0	3.5836E-07	0	0	0.02544786	7.6941E-06	3.4802E-06	2.0527E-07	5.03846E-08	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	3.1781E-07	3.337E-07	0	7.9453E-08	1.1679E-07	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	3.6744E-05	3.858E-05	0	9.1859E-06	1.3503E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00389132	2.8418E-05	0.00019414	3.9966E-05	6.8492E-05	0	0	6.5529E-05	0	0	4.22057479	1.32E-06	0.00066495	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00061781	4.5119E-06	3.0822E-05	6.3452E-06	1.0874E-05	0	0	1.0404E-05	0	0	0.67007903	2.0956E-07	0.00010557	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00266247	1.9444E-05	0.00013283	2.7345E-05	4.6863E-05	0	0	4.4836E-05	0	0	2.88774741	9.0313E-07	0.00045497	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00105638	7.7148E-06	5.2702E-05	1.085E-05	1.8594E-05	0	0	1.7789E-05	0	0	1.14575913	3.5833E-07	0.00018051	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00143863	1.0506E-05	7.1772E-05	1.4776E-05	2.5322E-05	0	0	2.4226E-05	0	0	1.56035016	4.8799E-07	0.00024583	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00039126	2.8574E-06	1.952E-05	4.0185E-06	6.8867E-06	0	0	6.5888E-06	0	0	0.42436529	1.3272E-07	6.6859E-05	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.06042902	0.00044132	0.00301478	0.00062064	0.00106363	0	0	0.00101762	0	0	65.5420376	2.0498E-05	0.01032617	0.002077071	0.000509826	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	4.8911E-05	4.1391E-06	6.1158E-05	9.486E-08	1.7615E-08	0	0	1.6853E-08	0	0	0.01001755	1.9225E-07	1.5783E-06	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00605888	1.7954E-05	0.00024833	1.2851E-05	4.3454E-06	0	0	4.1574E-06	0	0	1.35714653	8.339E-07	0.00021382	2.99426E-06	7.34956E-07	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	2.0862E-05	4.5731E-05	0	5.2154E-06	1.6006E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	9.3188E-05	0.00020428	0	2.3297E-05	7.1498E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.4795E-05	3.2433E-05	0	3.6988E-06	1.1351E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	6.376E-05	0.00013977	0	1.594E-05	4.8919E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	2.5298E-05	5.5456E-05	0	6.3245E-06	1.941E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	3.4452E-05	7.5523E-05	0	8.6129E-06	2.6433E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	9.3698E-06	2.054E-05	0	2.3424E-06	7.1889E-06	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00144714	0.0031723	0	0.00036178	0.00111031	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00014871	3.429E-05	0.00312545	1.2187E-05	5.9492E-06	0	0	5.4701E-06	0	0	1.23278895	9.4898E-06	1.8722E-05	0.000237321	5.82516E-05	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	2.1503E-05	2.3994E-05	0.00027493	2.2377E-07	3.1542E-07	0	0	2.9001E-07	0	0	0.02263454	5.5146E-06	2.9618E-06	2.0527E-07	5.03846E-08	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	3.1781E-07	3.31E-07	0	7.9453E-08	1.1585E-07	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	3.6744E-05	3.8268E-05	0	9.1859E-06	1.3394E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00290333	2.5273E-05	0.00010826	3.29E-05	5.8852E-05	0	0	5.6307E-05	0	0	3.47437506	1.1739E-06	0.00054739	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00046095	4.0125E-06	1.7187E-05	5.2234E-06	9.3437E-06	0	0	8.9395E-06	0	0	0.55160873	1.8637E-07	8.6906E-05	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00198648	1.7292E-05	7.4069E-05	2.2511E-05	4.0267E-05	0	0	3.8525E-05	0	0	2.37719223	8.0318E-07	0.00037453	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00078817	6.861E-06	2.9388E-05	8.9314E-06	1.5977E-05	0	0	1.5286E-05	0	0	0.94318834	3.1867E-07	0.0001486	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00107336	9.3436E-06	4.0022E-05	1.2163E-05	2.1758E-05	0	0	2.0817E-05	0	0	1.28447948	4.3399E-07	0.00020237	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00029192	2.5412E-06	1.0885E-05	3.308E-06	5.9174E-06	0	0	5.6614E-06	0	0	0.34933729	1.1803E-07	5.5038E-05	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.04508635	0.00039248	0.00168112	0.00051091	0.00091393	0	0	0.00087439	0	0	53.9541727	1.8229E-05	0.0085005	0.002077071	0.000509826	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	4.371E-05	3.6989E-06	5.4654E-05	7.4934E-08	1.5742E-08	0	0	1.5061E-08	0	0	0.00791325	1.718E-07	1.2467E-06	0	0	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00509072	1.4963E-05	0.00016771	9.9524E-06	3.6219E-06	0	0	3.4652E-06	0	0	1.05100817	6.9497E-07	0.00016559	2.99426E-06	7.34956E-07	0.00	0.00	0.00
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	2.0862E-05	4.9779E-05	0	5.2154E-06	1.7422E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	9.3188E-05	0.00022236	0	2.3297E-05	7.7826E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.4795E-05	3.5303E-05	0	3.6988E-06	1.2356E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	6.376E-05	0.00015214	0	1.594E-05	5.3249E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	2.5298E-05	6.0364E-05	0	6.3245E-06	2.1127E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	3.4452E-05	8.2206E-05	0	8.6129E-06	2.8772E-05	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	9.3698E-06	2.2358E-05	0	2.3424E-06	7.8251E-06	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00144714	0.00345305	0	0.00036178	0.00120857	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	8.6732E-05	1.4013E-05	0.00227703	1.039E-05	2.4282E-06	0	0	2.2326E-06	0	0	1.05098325	4.8704E-06	1.4396E-05	0.000237321	5.82516E-05	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	1.4915E-05	1.0505E-05	0.0001677	1.8895E-07	1.2868E-07	0	0	1.1832E-07	0	0	0.0191129	2.8444E-06	2.4027E-06	2.0527E-07	5.03846E-08	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	3.1781E-07	3.2875E-07	0	7.9453E-08	1.1506E-07	0	0	0	0	0	0.00	0.00	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	3.6744E-05	3.8008E-05	0	9.1859E-06	1.3303E-05	0	0	0	0	0	0.00	0.00	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	173	8	8	7	2	--	--	2	--	--	10775	0	0	--	--	2.48	2.28	2.48
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	112	5	5	4	2	--	--	1	--	--	6982	0	0	--	--	1.59	1.46	1.59
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	41	2	2	1	0	--	--	0	--	--	2079	0	0	--	--	0.43	0.40	0.43
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	12	1	0	0	0	--	--	0	--	--	439	0	0	--	--	0.09	0.09	0.09
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	18	1	0	0	0	--	--	0	--	--	467	0	0	--	--	0.09	0.08	0.09
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	17	1	2	1	0	--	--	0	--	--	1338	0	0	--	--	0.36	0.33	0.36
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	11	1	1	1	0	--	--	0	--	--	884	0	0	--	--	0.24	0.22	0.24
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	8	0	1	0	0	--	--	0	--	--	615	0	0	--	--	0.17	0.15	0.17

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	173	0	0	--	--	0.02	0.02	0.02
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	6	0	1	0	0	--	--	0	--	--	438	0	0	--	--	0.12	0.11	0.12
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	10	0	1	0	0	--	--	0	--	--	658	0	0	--	--	0.18	0.16	0.18
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	1	0	0	0	0	--	--	0	--	--	124	0	0	--	--	0.02	0.01	0.02
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Aux Berthing	Marine Distilate	Berthing	60	3	6	3	1	--	--	1	--	--	4673	0	0	--	--	1.27	1.17	1.27
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	328	13	33	13	6	--	--	5	--	--	21045	0	1	--	--	5.71	5.26	5.71
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	4	0	1	0	0	--	--	0	--	--	659	0	0	--	--	0.08	0.08	0.08
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	134	5	14	5	2	--	--	2	--	--	8593	0	0	--	--	2.33	2.15	2.33
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	197	0	0	--	--	0.03	0.03	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	50	3	5	15	4	--	--	4	--	--	24125	0	2	--	--	4.01	3.69	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	14	1	1	4	1	--	--	1	--	--	6808	0	1	--	--	1.13	1.04	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Pump Generator Berthing	Diesel	Berthing	56	3	6	3	1	--	--	1	--	--	4366	0	0	--	--	1.19	1.09	1.19
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	74	7	6	4	2	--	--	2	--	--	6356	0	0	--	--	2	2	2
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	486	9	33	11	5	--	--	4	--	--	18275	0	1	--	--	4.55	4.18	4.55
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	67	6	5	4	2	--	--	2	--	--	5737	0	0	--	--	2	2	2
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	315	6	22	7	3	--	--	3	--	--	11842	0	0	--	--	2.91	2.67	2.91
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	19	2	2	1	0	--	--	0	--	--	1677	0	0	--	--	0.38	0.35	0.38
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	116	2	6	2	1	--	--	1	--	--	3527	0	0	--	--	0.60	0.55	0.60
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	18	1	0	0	0	--	--	0	--	--	467	0	0	--	--	0.09	0.08	0.09
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	32	1	0	0	0	--	--	0	--	--	745	0	0	--	--	0.10	0.09	0.10
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	89	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	24	1	2	1	0	--	--	0	--	--	1366	0	0	--	--	0.37	0.34	0.37
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	81	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	16	1	1	1	0	--	--	0	--	--	903	0	0	--	--	0.25	0.23	0.25
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	57	0	0	--	--	0.02	0.01	0.02
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	11	0	1	0	0	--	--	0	--	--	628	0	0	--	--	0.17	0.16	0.17
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	10	0	1	0	0	--	--	0	--	--	658	0	0	--	--	0.18	0.16	0.18
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	8	0	1	0	0	--	--	0	--	--	447	0	0	--	--	0.12	0.11	0.12
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	126	5	13	5	2	--	--	2	--	--	8094	0	0	--	--	2.20	2.02	2.20
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	408	14	36	14	6	--	--	6	--	--	23018	0	1	--	--	6.25	5.75	6.25
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	43	1	3	1	1	--	--	1	--	--	2148	0	0	--	--	0.58	0.54	0.58
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	241	9	24	9	4	--	--	4	--	--	15467	0	1	--	--	4.20	3.87	4.20
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	754	0	0	--	--	0.13	0.12	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	498	0	0	--	--	0.08	0.08	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	1	0	0	0	0	--	--	0	--	--	347	0	0	--	--	0.06	0.05	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	197	0	0	--	--	0.03	0.03	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	1	0	0	0	0	--	--	0	--	--	247	0	0	--	--	0.04	0.04	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	19	1	2	6	2	--	--	1	--	--	9279	0	1	--	--	1.54	1.42	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	69	4	7	20	6	--	--	5	--	--	33412	0	3	--	--	5.56	5.11	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	25	1	3	7	2	--	--	2	--	--	12254	0	1	--	--	2.04	1.87	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	74	7	6	4	2	--	--	2	--	--	6356	0	0	--	--	2	2	2
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	486	9	33	11	5	--	--	4	--	--	18275	0	1	--	--	4.55	4.18	4.55
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	67	6	5	4	2	--	--	2	--	--	5737	0	0	--	--	2	2	2
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	315	6	22	7	3	--	--	3	--	--	11842	0	0	--	--	2.91	2.67	2.91
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	19	2	2	1	0	--	--	0	--	--	1677	0	0	--	--	0.38	0.35	0.38
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	116	2	6	2	1	--	--	1	--	--	3527	0	0	--	--	0.60	0.55	0.60
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	18	1	0	0	0	--	--	0	--	--	467	0	0	--	--	0.09	0.08	0.09
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	32	1	0	0	0	--	--	0	--	--	745	0	0	--	--	0.10	0.09	0.10
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	9	0	0	0	0	--	--	0	--	--	243	0	0	--	--	0.05	0.04	0.05
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	3	0	0	0	0	--	--	0	--	--	189.5677	0	0	--	--	0.04	0.04	0.04
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	9	0	0	0	0	--	--	0	--	--	243	0	0	--	--	0.05	0.04	0.05
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	3	0	0	0	0	--	--	0	--	--	189.5677	0	0	--	--	0.04	0.04	0.04
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	9	0	0	0	0	--	--	0	--	--	243	0	0	--	--	0.05	0.04	0.05
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	89	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	24	1	2	1	0	--	--	0	--	--	1366	0	0	--	--	0.37	0.34	0.37
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	81	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	16	1	1	1	0	--	--	0	--	--	903	0	0	--	--	0.25	0.23	0.25
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	57	0	0	--	--	0.02	0.01	0.02
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	11	0	1	0	0	--	--	0	--	--	628	0	0	--	--	0.17	0.16	0.17
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	10	0	1	0	0	--	--	0	--	--	658	0	0	--	--	0.18	0.16	0.18
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	8	0	1	0	0	--	--	0	--	--	447	0	0	--	--	0.12	0.11	0.12
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	126	5	13	5	2	--	--	2	--	--	8094	0	0	--	--	2.20	2.02	2.20
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	408	14	36	14	6	--	--	6	--	--	23018	0	1	--	--	6.25	5.75	6.25
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	43	1	3	1	1	--	--	1	--	--	2148	0	0	--	--	0.58	0.54	0.58
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	241	9	24	9	4	--	--	4	--	--	15467	0	1	--	--	4.20	3.87	4.20
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	5	0	1	0	0	--	--	0	--	--	343	0	0	--	--	0.09	0.09	0.09
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	20.9834	0	0	--	--	0.01	0.01	0.01
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	5	0	1	0	0	--	--	0	--	--	343	0	0	--	--	0.09	0.09	0.09
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	20.9834	0	0	--	--	0.01	0.01	0.01
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	5	0	1	0	0	--	--	0	--	--	343	0	0	--	--	0.09	0.09	0.09
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	754	0	0	--	--	0.13	0.12	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	498	0	0	--	--	0.08	0.08	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	1	0	0	0	0	--	--	0	--	--	347	0	0	--	--	0.06	0.05	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	197	0	0	--	--	0.03	0.03	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	1	0	0	0	0	--	--	0	--	--	247	0	0	--	--	0.04	0.04	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	19	1	2	6	2	--	--	1	--	--	9279	0	1	--	--	1.54	1.42	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	69	4	7	20	6	--	--	5	--	--	33412	0	3	--	--	5.56	5.11	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	25	1	3	7	2	--	--	2	--	--	12254	0	1	--	--	2.04	1.87	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	1	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	1	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	1	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	16	1	1	0	0	--	--	0	--	--	796	0	0	--	--	0.17	0.15	0.17
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	12	1	0	0	0	--	--	0	--	--	439	0	0	--	--	0.09	0.09	0.09
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	3	0	0	0	0	--	--	0	--	--	236	0	0	--	--	0.06	0.06	0.06
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	6	0	1	0	0	--	--	0	--	--	438	0	0	--	--	0.12	0.11	0.12
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	165	0	0	--	--	0.02	0.02	0.02
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	13	1	1	1	0	--	--	0	--	--	859	0	0	--	--	0.23	0.21	0.23
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	1	0	0	0	0	--	--	0	--	--	681	0	0	--	--	0.11	0.10	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	7	1	1	0	0	--	--	0	--	--	642	0	0	--	--	0.15	0.13	0.15
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	6	1	0	0	0	--	--	0	--	--	364	0	0	--	--	0.08	0.08	0.08
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	22	0	0	--	--	0.01	0.01	0.01
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	1	0	0	0	0	--	--	0	--	--	40	0	0	--	--	0.01	0.01	0.01
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	23	1	2	1	0	--	--	0	--	--	1279	0	0	--	--	0.35	0.32	0.35
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	13	1	1	1	0	--	--	0	--	--	859	0	0	--	--	0.23	0.21	0.23
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	4	0	0	1	0	--	--	0	--	--	1856	0	0	--	--	0.31	0.28	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	1	0	0	0	0	--	--	0	--	--	681	0	0	--	--	0.11	0.10	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	7	1	1	0	0	--	--	0	--	--	642	0	0	--	--	0.15	0.13	0.15
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	6	1	0	0	0	--	--	0	--	--	364	0	0	--	--	0.08	0.08	0.08
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	24.2006304	0.80499947	3.77982764	0.02712439	0.39126869	--	--	0.35214181	--	--	2390.02005	0.02272718	0.11363592	--	--	0.391268693	0.352141814	0.391268693
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	2.47673112	0.08578954	0.62992607	0.00443877	0.05004512	--	--	0.04504061	--	--	391.114496	0.03359266	0.01859593	--	--	0.050045123	0.045040609	0.050045123
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	16.3429659	0.54362546	2.55256137	0.01831742	0.26422828	--	--	0.23780544	--	--	1614.00821	0.01534793	0.07673965	--	--	0.264228279	0.237805444	0.264228279
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	1.6725652	0.05793467	0.42539637	0.00299755	0.03379605	--	--	0.03041644	--	--	264.124148	0.02268551	0.01255805	--	--	0.033796051	0.030416445	0.033796051
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	32.6859318	1.08725093	5.10512274	0.03663483	0.52845656	--	--	0.47561089	--	--	3228.01643	0.03069586	0.15347931	--	--	0.528456557	0.475610889	0.528456557
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	3.3451304	0.11586934	0.85079274	0.0059951	0.0675921	--	--	0.06083289	--	--	528.248295	0.04537102	0.0251161	--	--	0.067592102	0.06083289	0.067592102
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	9.74808822	0.32566164	4.96198477	0.05424879	0.22276888	--	--	0.20049198	--	--	4780.0401	0.02785913	0.22727185	--	--	0.222768877	0.200491984	0.222768877
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	4.9857574	0.17269774	1.26806602	0.00887753	0.10074281	--	--	0.09066852	--	--	782.228993	0.06958479	0.03719187	--	--	0.100742805	0.090668522	0.100742805
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	3.29149842	0.10996154	1.67544288	0.01831742	0.0752192	--	--	0.06769728	--	--	1614.00821	0.0094068	0.07673965	--	--	0.075219201	0.067697279	0.075219201
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	1.68346985	0.05831239	0.42816983	0.00299755	0.03401639	--	--	0.03061475	--	--	264.124148	0.02349571	0.01255805	--	--	0.034016391	0.030614751	0.034016391
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	9.8790949	0.33003828	5.02866996	0.05424879	0.22576272	--	--	0.20318644	--	--	4780.0401	0.02785913	0.22727185	--	--	0.225762717	0.20318644	0.225762717
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	4.97499234	0.17232485	1.26532806	0.00887753	0.10052529	--	--	0.09047275	--	--	782.228993	0.06958479	0.03719187	--	--	0.100525285	0.090472754	0.100525285
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	3.33573358	0.11143934	1.69795952	0.01831742	0.07623009	--	--	0.06860708	--	--	1614.00821	0.0094068	0.07673965	--	--	0.076230088	0.068607078	0.076230088
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	1.67983497	0.05818648	0.42724534	0.00299755	0.03394294	--	--	0.03054865	--	--	264.124148	0.02349571	0.01255805	--	--	0.033942945	0.030548649	0.033942945
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	8.18954876	0.27241366	1.27910233	0.00917896	0.13240622	--	--	0.1191656	--	--	808.78826	0.00769093	0.03845466	--	--	0.132406222	0.119165597	0.132406222
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.83813148	0.02903138	0.21316842	0.00150209	0.01693538	--	--	0.01524185	--	--	132.354041	0.01136783	0.00629291	--	--	0.016935384	0.015241845	0.016935384
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	7.79218229	0.25919584	1.21703879	0.00873358	0.12598172	--	--	0.11338354	--	--	769.544909	0.00731776	0.03658879	--	--	0.125981717	0.113383543	0.125981717
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.79746437	0.02762274	0.20282524	0.00142921	0.01611366	--	--	0.01450229	--	--	125.932069	0.01081625	0.00598757	--	--	0.01611366	0.014502293	0.01611366
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	5.26215092	0.17503795	0.82188039	0.00589789	0.08507691	--	--	0.07656922	--	--	519.682587	0.00494177	0.02470883	--	--	0.085076912	0.076569219	0.085076912
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.53853692	0.01865396	0.13697024	0.00096516	0.01088174	--	--	0.00979357	--	--	85.0433841	0.00730434	0.00404347	--	--	0.010881741	0.009793567	0.010881741
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	10.5243018	0.3500759	1.64376078	0.01179578	0.17015382	--	--	0.15313844	--	--	1039.36517	0.00988353	0.04941767	--	--	0.170153825	0.153138438	0.170153825
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	1.07707384	0.03730791	0.27394047	0.00193032	0.02176348	--	--	0.01958713	--	--	170.086768	0.01460868	0.00808695	--	--	0.021763482	0.019587133	0.021763482
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	16.4084481	0.54580364	2.56278885	0.01839081	0.26528698	--	--	0.23875827	--	--	1620.47514	0.01540943	0.07704713	--	--	0.265286976	0.238758272	0.265286976
Daily	lbd	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	1.67926675	0.0581668	0.42710083	0.00300956	0.03393146	--	--	0.03053832	--	--	265.182427	0.0227764	0.01260837	--	--	0.033931463	0.030538316	0.033931463
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	11.080815	0.36858751	1.73068098	0.01241953	0.17915137	--	--	0.16123623	--	--	1094.32563	0.01040616	0.05203082	--	--	0.179151366	0.161236225	0.179151366
Daily	lbd	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	1.13402828	0.03928072	0.28842613	0.00203239	0.02291431	--	--	0.02062288	--	--	179.080764	0.01538117	0.00851458	--	--	0.02291431	0.020622878	0.02291431
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	22.16163	0.73717503	3.46136197	0.02483905	0.35830273	--	--	0.32247245	--	--	2188.65125	0.02081233	0.10406164	--	--	0.358302732	0.32247245	0.358302732
Daily	lbd	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	2.26805656	0.07856143	0.57685227	0.00406478	0.04582862	--	--	0.04124576	--	--	358.161527	0.03076234	0.01702915	--	--	0.04582862	0.041245757	0.04582862
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	1.64938769	0.05510232	0.83957351	0.00917896	0.03769275	--	--	0.03392347	--	--	808.78826	0.0047138	0.03845466	--	--	0.037692749	0.033923473	0.037692749
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.84359586	0.02922065	0.21455822	0.00150209	0.0170458	--	--	0.01534122	--	--	132.354041	0.01177383	0.00629291	--	--	0.017045798	0.015341218	0.017045798
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.82469385	0.02755116	0.41978675	0.00458948	0.01884637	--	--	0.01696174	--	--	404.39413	0.0023569	0.01922733	--	--	0.018846375	0.016961737	0.018846375
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.42179793	0.01461033	0.10727911	0.00075104	0.0085229	--	--	0.00767061	--	--	66.1770207	0.00588691	0.00314645	--	--	0.008522899	0.007670609	0.008522899
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	3.13871495	0.10485739	1.59767284	0.01746717	0.07172771	--	--	0.06455493	--	--	1539.08982	0.00897016	0.07317758	--	--	0.071727706	0.064554934	0.071727706
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	1.60532721	0.05560567	0.40829521	0.00285841	0.03243743	--	--	0.02919369	--	--	251.864138	0.02240509	0.01197514	--	--	0.032437432	0.029193688	0.032437432
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	1.05980527	0.0354057	0.53946348	0.00589789	0.02421928	--	--	0.02179735	--	--	519.682587	0.00302882	0.02470883	--	--	0.024219275	0.021797347	0.024219275
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.54204803	0.01877558	0.13786324	0.00096516	0.01095269	--	--	0.00985742	--	--	85.0433841	0.00756521	0.00404347	--	--	0.010952687	0.009857418	0.010952687
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	6.60937327	0.22080426	3.36431193	0.03678162	0.15104117	--	--	0.13593705	--	--	3240.95028	0.01888897	0.15409426	--	--	0.151041171	0.135937051	0.151041171
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	3.38043019	0.11709207	0.8597708	0.00601912	0.06830537	--	--	0.06147483	--	--	530.364855	0.0471797	0.02521673	--	--	0.068305373	0.061474834	0.068305373
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	2.23169315	0.07455584	1.1359794	0.01241953	0.05099993	--	--	0.04589993	--	--	1094.32563	0.00637797	0.05203082	--	--	0.050999926	0.045899932	0.050999926
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	1.14142182	0.03953681	0.29030659	0.00203239	0.0230637	--	--	0.02075733	--	--	179.080764	0.0159305	0.00851458	--	--	0.023063705	0.020757334	0.023063705
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	1.67155417	0.05584286	0.85085672	0.00917896	0.03819931	--	--	0.03437938	--	--	808.78826	0.0047138	0.03845466	--	--	0.03819931	0.034379378	0.03819931

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.8417744	0.02915756	0.21409496	0.00150209	0.01700899	--	--	0.01530809	--	--	132.354041	0.01177383	0.00629291	--	--	0.017008993	0.015308094	0.017008993
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.83577709	0.02792143	0.42542836	0.00458948	0.01909966	--	--	0.01718969	--	--	404.39413	0.0023569	0.01922733	--	--	0.019099655	0.017189689	0.019099655
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.4208872	0.01457878	0.10704748	0.00075104	0.0085045	--	--	0.00765405	--	--	66.1770207	0.00588691	0.00314645	--	--	0.008504497	0.007654047	0.008504497
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	3.18089682	0.10626659	1.61914431	0.01746717	0.07269167	--	--	0.0654225	--	--	1539.08982	0.00897016	0.07317758	--	--	0.07269167	0.065422501	0.07269167
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	1.60186105	0.05548561	0.40741364	0.00285841	0.03236739	--	--	0.02913065	--	--	251.864138	0.02240509	0.01197514	--	--	0.032367394	0.029130654	0.032367394
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	1.07404823	0.03588153	0.54671345	0.00589789	0.02454476	--	--	0.02209029	--	--	519.682587	0.00302882	0.02470883	--	--	0.024544763	0.022090286	0.024544763
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.54087766	0.01873504	0.13756557	0.00096516	0.01092904	--	--	0.00983613	--	--	85.0433841	0.00756521	0.00404347	--	--	0.010929038	0.009836134	0.010929038
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	6.69819808	0.22377169	3.40952565	0.03678162	0.15307105	--	--	0.13776394	--	--	3240.95028	0.01888897	0.15409426	--	--	0.153071046	0.137763938	0.153071046
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	3.37313129	0.11683925	0.85791442	0.00601912	0.06815789	--	--	0.0613421	--	--	530.364855	0.0471797	0.02521673	--	--	0.068157891	0.0613421	0.068157891
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	2.26168536	0.07555781	1.15124607	0.01241953	0.05168532	--	--	0.04651679	--	--	1094.32563	0.00637797	0.05203082	--	--	0.051685325	0.046516791	0.051685325
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	1.13895731	0.03945145	0.28967977	0.00203239	0.02301391	--	--	0.02071252	--	--	179.080764	0.0159305	0.00851458	--	--	0.023013906	0.020712515	0.023013906
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Daily	lbd	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	9.46793959	0.31630251	4.81938314	0.05268974	0.21636676	--	--	0.19473008	--	--	4642.66735	0.02705849	0.22074032	--	--	0.216366761	0.194730079	0.216366761
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	4.84247257	0.1677346	1.23162328	0.0086224	0.09784758	--	--	0.08806282	--	--	759.748648	0.067585	0.03612302	--	--	0.097847575	0.088062815	0.097847575
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	9.59518129	0.32055337	4.88415188	0.05268974	0.21927456	--	--	0.1973471	--	--	4642.66735	0.02705849	0.22074032	--	--	0.219274561	0.197347099	0.219274561
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	4.83201689	0.16737244	1.22896401	0.0086224	0.09763631	--	--	0.08787267	--	--	759.748648	0.067585	0.03612302	--	--	0.097636306	0.087872673	0.097636306
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	4.55216594	0.1520776	2.31714953	0.02533312	0.10402869	--	--	0.09362582	--	--	2232.18494	0.01300967	0.10613149	--	--	0.104028695	0.093625823	0.104028695
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	2.32825088	0.08064645	0.59216195	0.00414563	0.04704491	--	--	0.04234042	--	--	365.285592	0.03249473	0.01736787	--	--	0.047044913	0.042340421	0.047044913
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	4.91577365	0.16422491	2.50223361	0.02735662	0.11233807	--	--	0.10110426	--	--	2410.48241	0.01404882	0.11460883	--	--	0.112338066	0.101104257	0.112338066
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	2.51422169	0.08708815	0.63946133	0.00447677	0.05080266	--	--	0.04572239	--	--	394.463056	0.03509027	0.01875515	--	--	0.050802662	0.045722394	0.050802662
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	4.61334349	0.1541214	2.34829021	0.02533312	0.10542676	--	--	0.09488408	--	--	2232.18494	0.01300967	0.10613149	--	--	0.105426759	0.094884081	0.105426759
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	2.32322381	0.08047233	0.59088338	0.00414563	0.04694334	--	--	0.042249	--	--	365.285592	0.03249473	0.01736787	--	--	0.046943336	0.042249001	0.046943336
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	4.9818378	0.16643197	2.53586167	0.02735662	0.1138478	--	--	0.10246302	--	--	2410.48241	0.01404882	0.11460883	--	--	0.113847802	0.102463019	0.113847802
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	2.50879308	0.08690011	0.63808063	0.00447677	0.05069297	--	--	0.04562367	--	--	394.463056	0.03509027	0.01875515	--	--	0.05069297	0.045623672	0.05069297
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.13161553	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00622115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04644375	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.22691302	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.0305079	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.1798154	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.12184478	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.10067794	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.07476584	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.24637979	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.11343783	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.1223492	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.01010703	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.08642348	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.16529939	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.23477819	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.15412749	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.1512878	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.02693962	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.05703651	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.01414236	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.04851746	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.05189893	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.05993224	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.06482695	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.06157627	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.05604636	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.01696336	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.68103798	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	1.60492483	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.09673601	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.02942434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00046705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00069124	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00121434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00412875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00130775	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.0010462	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00046705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.076875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.73281	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.034065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00714	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00617	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	1.36708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.02484	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.01828	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.16290807	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.0017748	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.13161553	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00622115	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04644375	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.22691302	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.0305079	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.1798154	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.12184478	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.10067794	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.07476584	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.24637979	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.11343783	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.1223492	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.01010703	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.08642348	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.16529939	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.23477819	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.15412749	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.1512878	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.02693962	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.05703651	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.01414236	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.04851746	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.05189893	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.05993224	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.06482695	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.06157627	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.05604636	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.01696336	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.68103798	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	1.60492483	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.09673601	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.02942434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00046705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00069124	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00121434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00412875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00130775	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.0010462	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00046705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.076875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.73281	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.034065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00714	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00617	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	1.36708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.02484	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.01828	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.16290807	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Proposed Project	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.0017748	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.72118099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.03408847	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.2544863	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	1.24335903	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.16716658	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.98528986	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.66764265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.55165995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.40967585	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	1.35002625	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.62157715	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.67040658	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.05538097	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.47355334	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.9057501	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	1.28645586	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.84453417	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.82897426	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.14761434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.31252883	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.07749241	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.26584912	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.28437769	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.32839583	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.35521619	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.3374042	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.30710333	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.09294994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	3.73171497	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	8.79410868	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.53006035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.16122925	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00255919	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00378761	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00665391	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.02262328	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00716574	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.0057326	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00255919	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.42123288	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	4.01539726	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.18665753	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.03912329	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.03380822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	7.49084932	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.13610959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.10016438	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.89264697	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1	0	Onsite	--	0.00972494	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.72118099	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.03408847	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.2544863	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	1.24335903	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.16716658	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.98528986	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.66764265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.55165995	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.40967585	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	1.35002625	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.62157715	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.67040658	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.05538097	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.47355334	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.9057501	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	1.28645586	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.84453417	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.82897426	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.14761434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.31252883	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5		Onsite	--	0.07749241	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6		Onsite	--	0.26584912	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7		Onsite	--	0.28417769	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8		Onsite	--	0.32835583	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9		Onsite	--	0.35521619	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10		Onsite	--	0.3174042	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11		Onsite	--	0.30710333	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12		Onsite	--	0.09294994	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	3.73171497	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	8.79410868	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.53006035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.16122925	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00255919	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00378761	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00665391	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.02262128	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00716574	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.0057326	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00255919	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1		Onsite	--	0.42121288	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2		Onsite	--	0.40159726	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3		Onsite	--	0.18665753	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4		Onsite	--	0.03913329	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5		Onsite	--	0.03380822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6		Onsite	--	7.49084932	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7		Onsite	--	0.13610959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8		Onsite	--	0.10016438	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL2	Other Process P1		Onsite	--	0.89264697	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Proposed Project	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL2	Other Process P1		Onsite	--	0.00972494	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.03004921	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.00142035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.0106036	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.05180663	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3		Onsite	--	0.00696527	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4		Onsite	--	0.04105374	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5		Onsite	--	0.02781844	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6		Onsite	--	0.02298583	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7		Onsite	--	0.01706983	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8		Onsite	--	0.05625109	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9		Onsite	--	0.02589905	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10		Onsite	--	0.02793361	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11		Onsite	--	0.00230754	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12		Onsite	--	0.01973139	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.03773959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.05180233	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.03518892	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.03454059	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3		Onsite	--	0.0061506	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4		Onsite	--	0.01302203	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5		Onsite	--	0.00322885	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6		Onsite	--	0.01107705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7		Onsite	--	0.01184907	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8		Onsite	--	0.01168116	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9		Onsite	--	0.01480067	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10		Onsite	--	0.01405851	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11		Onsite	--	0.01279597	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12		Onsite	--	0.00387291	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.15548812	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.36642119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.02208585	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2		Onsite	--	0.00671789	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00010663	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00015782	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00027725	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00094264	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00029857	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00021886	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1		Onsite	--	0.00010663	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1		Onsite	--	0.01755137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2		Onsite	--	0.16730822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3		Onsite	--	0.0077774	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4		Onsite	--	0.00163014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5		Onsite	--	0.00140868	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6		Onsite	--	0.31211872	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7		Onsite	--	0.00567123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8		Onsite	--	0.00417352	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1		Onsite	--	0.03719362	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	ltyhr	Proposed Project	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL2	Other Process P1		Onsite	--	0.00040521	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00513795	3.7523E-05	0.00025633	5.277E-05	9.0435E-05	0	0	8.6523E-05	0	0	5.57268384	1.7429E-06	0.00087708	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00081573	5.9573E-06	4.0696E-05	8.378E-06	1.4358E-05	0	0	1.3737E-05	0	0	0.88474646	2.767E-07	0.00013939	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00351542	2.5673E-05	0.00017538	3.610E-05	6.1878E-05	0	0	5.9199E-05	0	0	3.81287007	1.1925E-06	0.00060072	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.0013948	1.0186E-05	6.9586E-05	1.4325E-05	2.455E-05	0	0	2.3488E-05	0	0	1.51281607	4.7313E-07	0.00023834	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00189951	1.3872E-05	9.4766E-05	1.9509E-05	3.3434E-05	0	0	3.1987E-05	0	0	2.06022605	6.4413E-07	0.00032459	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.0005166	3.7723E-06	2.5778E-05	5.3059E-06	9.0929E-06	0	0	8.6996E-06	0	0	0.56031503	1.7524E-07	8.8278E-05	0	0	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.07978814	0.0005827	0.00398065	0.00081947	0.00140438	0	0	865391735	0	0	865391735	2.7065E-05	0.02136342	0.00274284	0.00067155	000	000	000
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	DPDLING	Onsite idling	Diesel	Onsite	6.4581E-05	5.4651E-06	8.0751E-05	1.2525E-07	2.3258E-08	0	0	2.2252E-08	0	0	0.01322679	2.5184E-07	2.0839E-06	0	0	000	000	000

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00799991	2.3705E-05	0.00032789	1.6968E-05	5.7375E-06	0	0	5.4893E-06	0	0	1.79192382	1.101E-06	0.00028232	3.95351E-06	9.70407E-07	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	2.7545E-05	6.0382E-05	0	6.8862E-06	2.1134E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00012304	0.00026972	0	3.0761E-05	9.4403E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.9535E-05	4.2823E-05	0	4.8837E-06	1.4988E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	8.4186E-05	0.00018455	0	2.1047E-05	6.4591E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	3.3402E-05	7.3222E-05	0	8.3506E-06	2.5628E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	4.5489E-05	9.9717E-05	0	1.1372E-05	3.4901E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	1.2372E-05	2.712E-05	0	3.0929E-06	9.4919E-06	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00191074	0.00418859	0	0.00047769	0.001466	0	0	0	0	0	0.01	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00065137	0.00015019	0.01368949	5.3381E-05	2.6057E-05	0	0	2.3959E-05	0	0	5.39961559	4.1565E-05	8.2004E-05	0.001039467	0.000255142	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	9.4183E-05	0.00010509	0.0012042	9.8009E-07	1.3815E-06	0	0	1.2703E-06	0	0	0.09913927	2.4154E-05	1.2973E-05	8.99085E-07	2.20684E-07	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	1.392E-06	1.4498E-06	0	3.4801E-07	5.0742E-07	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00016094	0.00016761	0	4.0234E-05	5.8665E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS2	Running Offsite 2	Diesel	Offsite	0.00383345	3.337E-05	0.00014294	4.344E-05	7.7707E-05	0	0	7.4345E-05	0	0	4.58743056	1.55E-06	0.00072275	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS3	Running Offsite 3	Diesel	Offsite	0.00060862	5.298E-06	2.2693E-05	6.8968E-06	1.2337E-05	0	0	1.1803E-05	0	0	0.72832284	2.4608E-07	0.00011475	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS4	Running Offsite 4	Diesel	Offsite	0.00262287	2.2832E-05	9.7798E-05	2.9722E-05	5.3167E-05	0	0	5.0867E-05	0	0	3.13875275	1.0605E-06	0.00049451	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS5	Running Offsite 5	Diesel	Offsite	0.00104067	9.059E-06	3.8803E-05	1.1793E-05	2.1095E-05	0	0	2.0182E-05	0	0	1.24534943	4.2077E-07	0.00019621	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS6	Running Offsite 6	Diesel	Offsite	0.00141723	1.2337E-05	5.2844E-05	1.606E-05	2.8728E-05	0	0	2.7485E-05	0	0	1.69597706	5.7302E-07	0.0002672	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TRUCKS1	Running Offsite 1	Diesel	Offsite	0.00038544	3.3552E-06	1.4372E-05	4.3678E-06	7.8131E-06	0	0	7.4752E-06	0	0	0.46125146	1.5584E-07	7.267E-05	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Running Offsite	Diesel	Offsite	0.05953027	0.00051821	0.00221969	0.00067459	0.00120672	0	0	0.00115452	0	0	71.2390045	2.4069E-05	0.01122373	0.002742484	0.000673155	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPIDLING	Onsite Idling	Diesel	Onsite	5.7713E-05	4.8839E-06	7.2164E-05	9.894E-08	2.0785E-08	0	0	1.9886E-08	0	0	0.01044835	2.2684E-07	1.6461E-06	0	0	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTRUCKS	Running Onsite	Diesel	Onsite	0.00672159	1.9756E-05	0.00022144	1.3141E-05	4.7822E-06	0	0	4.5753E-06	0	0	1.38771057	9.1761E-07	0.00021863	3.95351E-06	9.70407E-07	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	OPTWBW	Onsite Tire Brake Ware	Diesel	Onsite	0	0	0	0	0	2.7545E-05	6.5726E-05	0	6.8862E-06	2.3004E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW2	Offsite Tire Brake 2	Diesel	Offsite	0	0	0	0	0	0.00012304	0.00029359	0	3.0761E-05	0.00010276	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW3	Offsite Tire Brake 3	Diesel	Offsite	0	0	0	0	0	1.9535E-05	4.6612E-05	0	4.8837E-06	1.6314E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW4	Offsite Tire Brake 4	Diesel	Offsite	0	0	0	0	0	8.4186E-05	0.00020088	0	2.1047E-05	7.0308E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW5	Offsite Tire Brake 5	Diesel	Offsite	0	0	0	0	0	3.3402E-05	7.9702E-05	0	8.3506E-06	2.7896E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW6	Offsite Tire Brake 6	Diesel	Offsite	0	0	0	0	0	4.5489E-05	0.00010854	0	1.1372E-05	3.799E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	TWBW1	Offsite Tire Brake 1	Diesel	Offsite	0	0	0	0	0	1.2372E-05	2.952E-05	0	3.0929E-06	1.0332E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	T7 POLA Class 8	* N/A	All Offsite Tire Brake Ware	Diesel	Offsite	0	0	0	0	0	0.00191074	0.00455928	0	0.00047769	0.00159575	0	0	0	0	0	0.01	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	LDA	* N/A	Running Offsite	Gasoline	Offsite	0.00037989	6.1378E-05	0.00997338	4.5508E-05	1.0635E-05	0	0	9.7789E-06	0	0	4.60330662	2.1332E-05	6.3053E-05	0.001039467	0.000255142	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Idling	Gasoline	Onsite	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	LDA	* N/A	Running Onsite	Gasoline	Onsite	6.5329E-05	4.601E-05	0.00073451	8.276E-07	5.6363E-07	0	0	5.1824E-07	0	0	0.08371448	1.2459E-05	1.0524E-05	8.99085E-07	2.20684E-07	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	LDA	* N/A	Onsite Tire Brake Ware	Gasoline	Onsite	0	0	0	0	0	1.392E-06	1.4399E-06	0	3.4801E-07	5.0397E-07	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Onroad	LDA	* N/A	Offsite Tire Brake Ware	Gasoline	Offsite	0	0	0	0	0	0.00016094	0.00016647	0	4.0234E-05	5.8266E-05	0	0	0	0	0	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.035225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.001665	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.01243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.06073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.008165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.048125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.03261	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.026945	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.02001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.06594	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.03036	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.032745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.002705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.02313	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04424	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.062835	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.04049	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.00721	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.015265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.003785	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.012985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.01389	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.01604	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.01735	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.01648	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.00454	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.18227	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.429535	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.02589	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.007875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.001105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00028	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.076875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.73281	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.034065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00714	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00617	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	1.36708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.02484	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.01828	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.0436	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.000475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.1930137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00912329	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.06810959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.33276712	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.04473973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.26369863	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.17868493	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.14764384	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.10964384	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.36131507	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.16635616	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.17942466	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.01482192	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.12673973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.24241096	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.34430137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.2260274	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.22186301	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.03950685	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.08364384	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.02073973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.07115068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.07610959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.08789041	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.09506849	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.09030137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.08219178	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.02487671	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.99873973	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	2.35361644	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.14186301	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.04315068	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00068493	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.0010137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00178082	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00605479	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00191781	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00153425	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00068493	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.42123288	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	4.01539726	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.18665753	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.03912329	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.03380822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	7.49084932	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.13610959	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.10016438	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.23890411	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Daily	lbd	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.00260274	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00804224	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00038014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.0028379	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.0138653	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.00186416	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.01098744	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.00744521	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.00615183	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.00456849	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.01505479	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.00693151	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.00747603	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.00061758	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.00528082	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.01010046	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.01434589	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00941781	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00924429	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.00164612	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.00348516	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.00086416	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.00296461	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.00317123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.0036621	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.00396119	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.00376256	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.00342466	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.00103653	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04161416	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.09806735	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00591096	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.00179795	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	2.8539E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	4.2237E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	7.4201E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00025228	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	7.9909E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	6.3927E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	2.8539E-05	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.01755137	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.16730822	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.0077774	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00163014	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00140868	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	0.31211872	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.00567123	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.00417352	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.00995434	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.00010845	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.035225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.001665	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.01243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.06073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.008165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.048125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.03261	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.026945	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.02001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.06594	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.03036	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.032745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.002705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.02313	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04424	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.062835	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.04049	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.00721	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.015265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.003785	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.012985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.01389	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.01604	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.01735	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.01648	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.00454	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.18227	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.429535	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.02589	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.007875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.001105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00028	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.076875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.73281	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.034065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00714	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00617	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	1.36708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.02484	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.01828	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.0436	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.000475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.035225	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.001665	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.01243	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.06073	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.008165	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.048125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.03261	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.026945	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.02001	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.06594	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.03036	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.032745	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.002705	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.02313	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04424	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.062835	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.04125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.04049	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P3	0	Onsite	--	0.00721	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P4	0	Onsite	--	0.015265	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P5	0	Onsite	--	0.003785	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P6	0	Onsite	--	0.012985	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P7	0	Onsite	--	0.01389	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P8	0	Onsite	--	0.01604	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P9	0	Onsite	--	0.01735	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P10	0	Onsite	--	0.01648	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P11	0	Onsite	--	0.015	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P12	0	Onsite	--	0.00454	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.18227	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.429535	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.02589	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P2	0	Onsite	--	0.007875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000185	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000325	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.001105	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00035	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.00028	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Storage Tanks	TANKS	Storage Tanks P1	0	Onsite	--	0.000125	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P1	0	Onsite	--	0.076875	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P2	0	Onsite	--	0.73281	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P3	0	Onsite	--	0.034065	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P4	0	Onsite	--	0.00714	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P5	0	Onsite	--	0.00617	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P6	0	Onsite	--	1.36708	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P7	0	Onsite	--	0.02484	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Fugitive Component	PIPES	Fugitive Components P8	0	Onsite	--	0.01828	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.0436	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	Stationary Sources	Other Process	FUGVESL1	Other Process P1	0	Onsite	--	0.000475	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	2	1	1	--	--	1	--	--	1659	0	0	--	--	0.67	0.62	0.67
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	1	1	0	--	--	0	--	--	1010	0	0	--	--	0.30	0.28	0.30
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	21	1	1	1	0	--	--	0	--	--	824	0	0	--	--	0.28	0.26	0.28
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	9	0	0	0	0	--	--	0	--	--	351	0	0	--	--	0.13	0.12	0.13
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	2	0	0	0	0	--	--	0	--	--	99	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	255	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	140	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	114	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	166	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	91	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	22	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	5	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.8144	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	9.42E-05	--	--	8.66E-05	--	--	4.41E-01	1.04E-05	3.89E-05	--	--	9.42E-05	8.66E-05	9.42E-05
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.248	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	18	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	81	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	94	0	0	--	--	0.03	0.02	0.03
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	17	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	13	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	8	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	35	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Aux Berthing	Marine Distilate	Berthing	3	0	0	0	0	--	--	0	--	--	246	0	0	--	--	0.07	0.06	0.07
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	6	0	1	0	0	--	--	0	--	--	387	0	0	--	--	0.10	0.10	0.10
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	76	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	0.90870	0	0	0	0	--	--	0	--	--	125	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	21	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	2	0	0	0	0	--	--	0	--	--	155	0	0	--	--	0.04	0.04	0.04
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	3	0	0	0	0	--	--	0	--	--	216	0	0	--	--	0.06	0.05	0.06
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1	0	0	0	0	--	--	0	--	--	30	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.1803	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	2.39E-04	2.20E-04	2.39E-04
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.539	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	2	0	0	1	0	--	--	0	--	--	887	0	0	--	--	0.15	0.14	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	103	0	0	--	--	0.02	0.02	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	171	0	0	--	--	0.03	0.03	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.135	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	5	0	0	0	0	--	--	0	--	--	274	0	0	--	--	0.07	0.07	0.07
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Pump Generator Berthing	Diesel	Berthing	3	0	0	0	0	--	--	0	--	--	229	0	0	--	--	0.06	0.06	0.06
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	22	0	0	--	--	0.01	0.01	0.01
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	1	0	0	0	0	--	--	0	--	--	40	0	0	--	--	0.01	0.01	0.01
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	23	1	2	1	0	--	--	0	--	--	1279	0	0	--	--	0.35	0.32	0.35
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	13	1	1	1	0	--	--	0	--	--	859	0	0	--	--	0.23	0.21	0.23
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	4	0	0	1	0	--	--	0	--	--	1856	0	0	--	--	0.31	0.28	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	1	0	0	0	0	--	--	0	--	--	681	0	0	--	--	0.11	0.10	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.000	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	OGV Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	ATB	ATB_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Proposed Project	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H2	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	0.36300946	0.01207499	0.05669741	0.00040687	0.00586903	--	--	0.00528213	--	--	35.8503008	0.00046737	0.00170454	--	--	0.00586903	0.005282127	0.00586903
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0.04272774	0.00184582	0.00896595	6.6582E-05	0.00054305	--	--	0.00048875	--	--	5.86671744	0.00052189	0.00027894	--	--	0.000543053	0.000488747	0.000543053
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	0.21245856	0.00706713	0.0331833	0.00023813	0.00343497	--	--	0.00309147	--	--	20.9821068	0.00027354	0.00099762	--	--	0.003434968	0.003091471	0.003434968
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0.02500727	0.0010803	0.0052475	3.8968E-05	0.00031783	--	--	0.00028605	--	--	3.43361392	0.00030544	0.00016325	--	--	0.000317832	0.000286049	0.000317832
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	0.47394601	0.01576514	0.07402428	0.00053121	0.00766262	--	--	0.00689636	--	--	46.8062382	0.0006102	0.00222545	--	--	0.00766262	0.006896358	0.00766262
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0.05578544	0.00240991	0.01170597	8.6929E-05	0.00070901	--	--	0.00063811	--	--	7.65960028	0.00068138	0.00036418	--	--	0.000709011	0.00063811	0.000709011
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	3.82425402	0.12720836	0.59729936	0.00428628	0.06182942	--	--	0.05564647	--	--	377.677922	0.00492372	0.01795708	--	--	0.061829417	0.055646474	0.061829417
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0.45013078	0.01944545	0.09445507	0.00070143	0.00572098	--	--	0.00514888	--	--	61.8050506	0.005498	0.00293858	--	--	0.005720983	0.005148884	0.005720983
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.06551639	0.00217931	0.01023282	7.3432E-05	0.00105925	--	--	0.00095332	--	--	6.47030608	8.4352E-05	0.00030764	--	--	0.00105925	0.000953325	0.00105925
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00771155	0.00033314	0.00161819	1.2017E-05	9.8011E-05	--	--	8.821E-05	--	--	1.05883233	9.4191E-05	5.0343E-05	--	--	9.80108E-05	8.82097E-05	9.80108E-05
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.0163791	0.00054483	0.0025582	1.8358E-05	0.00026481	--	--	0.00023833	--	--	1.61757652	2.1088E-05	7.6909E-05	--	--	0.000264812	0.000238331	0.000264812
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00192789	8.3284E-05	0.00040455	3.0042E-06	2.4503E-05	--	--	2.2052E-05	--	--	0.26470808	2.3548E-05	1.2586E-05	--	--	2.45027E-05	2.20524E-05	2.45027E-05
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.03685297	0.00122586	0.00575596	4.1305E-05	0.00059583	--	--	0.00053625	--	--	3.63954717	4.7448E-05	0.00017305	--	--	0.000595828	0.000536245	0.000595828
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00433775	0.00018739	0.00091023	6.7594E-06	5.5131E-05	--	--	4.9618E-05	--	--	0.59559319	5.2982E-05	2.8318E-05	--	--	5.51311E-05	4.9618E-05	5.51311E-05
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.11688273	0.00388794	0.01825558	0.000131	0.00188973	--	--	0.00170075	--	--	11.5431736	0.00015049	0.00054883	--	--	0.001889726	0.001700753	0.001889726
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01375759	0.00059432	0.00288688	2.1438E-05	0.00017485	--	--	0.00015737	--	--	1.88898103	0.00016804	8.9814E-05	--	--	0.000174853	0.000157368	0.000174853
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.06840796	0.00227549	0.01068445	7.6673E-05	0.001106	--	--	0.0009954	--	--	6.75587363	8.8075E-05	0.00032121	--	--	0.001106	0.0009954	0.001106
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.0080519	0.00034784	0.00168961	1.2547E-05	0.00010234	--	--	9.2103E-05	--	--	1.10556399	9.8348E-05	5.2565E-05	--	--	0.000102336	9.21028E-05	0.000102336
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.15260238	0.0050761	0.02383453	0.00017104	0.00246723	--	--	0.00222051	--	--	15.070795	0.00019648	0.00071656	--	--	0.00246723	0.002220507	0.00246723
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01796194	0.00077595	0.00376912	2.799E-05	0.00022829	--	--	0.00020546	--	--	2.46625814	0.00021939	0.00011726	--	--	0.000228289	0.00020546	0.000228289
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	1.23134332	0.04095888	0.19232001	0.00138011	0.019908	--	--	0.0179172	--	--	121.605725	0.00158535	0.00578187	--	--	0.019907998	0.017917197	0.019907998
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0.14493428	0.0062611	0.03041289	0.00022585	0.00184206	--	--	0.00165785	--	--	19.9001519	0.00177026	0.00094617	--	--	0.001842057	0.001657851	0.001842057
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.24612672	0.00818705	0.03844183	0.00027586	0.0039793	--	--	0.00358137	--	--	24.3071271	0.00031689	0.00115571	--	--	0.003979305	0.003581374	0.003979305
Annual	tpy	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.02897015	0.0012515	0.00607907	4.5143E-05	0.0003682	--	--	0.00033138	--	--	3.97773641	0.00035385	0.00018913	--	--	0.000368199	0.000331379	0.000368199
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.14405059	0.00479164	0.02249885	0.00016145	0.00232897	--	--	0.00209607	--	--	14.2262331	0.00018546	0.0006764	--	--	0.002328968	0.002096071	0.002328968
Annual	tpy	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.01695536	0.00073246	0.0035579	2.6421E-05	0.0002155	--	--	0.00019395	--	--	2.32804993	0.0002071	0.00011069	--	--	0.000215496	0.000193946	0.000215496
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.32134363	0.01068904	0.05018975	0.00036017	0.00519539	--	--	0.00467585	--	--	31.7354431	0.00041373	0.00150889	--	--	0.00519539	0.004675851	0.00519539
Annual	tpy	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.0378235	0.00163396	0.00793685	5.8939E-05	0.00048072	--	--	0.00043265	--	--	5.19334214	0.00046198	0.00024692	--	--	0.000480722	0.000432649	0.000480722
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	2.59291071	0.08624948	0.40497935	0.00290617	0.04192142	--	--	0.03772928	--	--	256.072196	0.00333836	0.01217521	--	--	0.04192142	0.037729277	0.04192142
Annual	tpy	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.30519649	0.01318435	0.06404218	0.00047558	0.00387893	--	--	0.00349103	--	--	41.9048987	0.00372774	0.00199241	--	--	0.003878926	0.003491033	0.003878926
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	TUG_H1	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Propulsion Transit	ULSD	All Zones	16.3429659	0.54362546	2.55256137	0.01831742	0.26422828	--	--	0.23780544	--	--	1614.00821	0.01534793	0.07673965	--	--	0.264228279	0.237805444	0.264228279
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	ULSD	All Zones	1.6725652	0.05793467	0.42539637	0.00299755	0.03379605	--	--	0.03041644	--	--	264.124148	0.02268551	0.01255805	--	--	0.033796051	0.030416445	0.033796051
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	ULSD	All Zones	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	7.85766449	0.26137401	1.22726627	0.00880698	0.12704041	--	--	0.11433637	--	--	776.011839	0.00737925	0.03689627	--	--	0.127040414	0.11433637	0.127040414
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.80416592	0.02785487	0.2045297	0.00144122	0.01624907	--	--	0.01462416	--	--	126.990349	0.01090715	0.00603788	--	--	0.016249072	0.014624164	0.016249072
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	8.48530141	0.28225146	1.3252951	0.00951044	0.13718786	--	--	0.12346907	--	--	837.996374	0.00796868	0.03984339	--	--	0.137187864	0.123469074	0.137187864
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.86839928	0.0300798	0.22086667	0.00155633	0.01754698	--	--	0.01579228	--	--	137.133799	0.01177836	0.00652017	--	--	0.017546979	0.015792281	0.017546979
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Hourly	lb/hr	Baseline	Uncontrolled	2021	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	2	1	1	--	--	1	--	--	1659	0	0	--	--	0.67	0.62	0.67
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	1	1	0	--	--	0	--	--	1010	0	0	--	--	0.30	0.28	0.30
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	21	1	1	1	0	--	--	0	--	--	824	0	0	--	--	0.28	0.26	0.28
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	9	0	0	0	0	--	--	0	--	--	351	0	0	--	--	0.13	0.12	0.13
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	2	0	0	0	0	--	--	0	--	--	99	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	255	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	140	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	114	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	166	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	91	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	22	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	5	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	18	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	81	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	94	0	0	--	--	0.03	0.02	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	17	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	13	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	8	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	35	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB_H1	Aux Berthing	Marine Distilate	Berthing	3	0	0	0	0	--	--	0	--	--	246	0	0	--	--	0.07	0.06	0.07
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	6	0	1	0	0	--	--	0	--	--	387	0	0	--	--	0.10	0.10	0.10
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	76	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	125	0	0	--	--	0.02	0.01	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	21	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	2	0	0	0	0	--	--	0	--	--	155	0	0	--	--	0.04	0.04	0.04
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	3	0	0	0	0	--	--	0	--	--	216	0	0	--	--	0.06	0.05	0.06
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1	0	0	0	0	--	--	0	--	--	30	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	Emissions (tons/year or metric tons/year for GHGs)																	
											NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	2	0	0	1	0	--	--	0	--	--	887	0	0	--	--	0.15	0.14	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	103	0	0	--	--	0.02	0.02	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	171	0	0	--	--	0.03	0.03	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	5	0	0	0	0	--	--	0	--	--	274	0	0	--	--	0.07	0.07	0.07
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB_H1	Pump Generator Berthing	Diesel	Berthing	3	0	0	0	0	--	--	0	--	--	229	0	0	--	--	0.06	0.06	0.06
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	2	1	1	--	--	1	--	--	1659	0	0	--	--	0.67	0.62	0.67
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	18	1	1	1	0	--	--	0	--	--	1010	0	0	--	--	0.30	0.28	0.30
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	21	1	1	1	0	--	--	0	--	--	824	0	0	--	--	0.28	0.26	0.28
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	9	0	0	0	0	--	--	0	--	--	351	0	0	--	--	0.13	0.12	0.13
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	2	0	0	0	0	--	--	0	--	--	99	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	255	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	2	0	0	0	0	--	--	0	--	--	140	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3	0	0	0	0	--	--	0	--	--	114	0	0	--	--	0.03	0.03	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	166	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	91	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2	0	0	0	0	--	--	0	--	--	74	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	1	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	49	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	1	0	0	0	0	--	--	0	--	--	22	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	5	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.8144	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	9.42E-05	--	--	8.66E-05	--	--	4.41E-01	1.04E-05	3.89E-05	--	--	9.42E-05	8.66E-05	9.42E-05
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.248	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.8144	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	9.42E-05	--	--	8.66E-05	--	--	4.41E-01	1.04E-05	3.89E-05	--	--	9.42E-05	8.66E-05	9.42E-05
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.248	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	18	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	81	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1	0	0	0	0	--	--	0	--	--	94	0	0	--	--	0.03	0.02	0.03
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	17	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	13	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	8	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	9	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	14	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	35	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Aux Berthing	Marine Distilate	Berthing	3	0	0	0	0	--	--	0	--	--	246	0	0	--	--	0.07	0.06	0.07
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	6	0	1	0	0	--	--	0	--	--	387	0	0	--	--	0.10	0.10	0.10
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	76	0	0	--	--	0.02	0.02	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	32	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	AUX_ENG1	Aux Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Aux Berthing	Marine Distilate	Berthing	1	0	0	0	0	--	--	0	--	--	125	0	0	--	--	0.02	0.01	0.02
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	21	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	2	0	0	0	0	--	--	0	--	--	155	0	0	--	--	0.04	0.04	0.04
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	3	0	0	0	0	--	--	0	--	--	216	0	0	--	--	0.06	0.05	0.06
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1	0	0	0	0	--	--	0	--	--	30	0	0	--	--	0.01	0.01	0.01
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	11	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.1803	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	2.39E-04	2.20E-04	2.39E-04
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.539	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.1803	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	2.39E-04	2.20E-04	2.39E-04
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.539	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0.00
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	28	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	7	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	6	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	4	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	3	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	2	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	2	0	0	1	0	--	--	0	--	--	887	0	0	--	--	0.15	0.14	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	27	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	103	0	0	--	--	0.02	0.02	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	171	0	0	--	--	0.03	0.03	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	20	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	1	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.135	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0

Operational Summary for Modeling

										Emissions (tons/year or metric tons/year for GHGs)																				
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.0000	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0.135	--	--	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0.00	0.00	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	--	--	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	5	1	0	0	0	--	--	0	--	--	229	--	1	--	--	0.07	0.07	0.07
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Pump Generator Berthing	Diesel	Berthing	3	1	0	0	0	--	--	0	--	--	229	--	1	--	--	0.06	0.06	0.06
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	OGV Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	ATB	ATB_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Handymax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Chemical	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Panamax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Tanker - Aframax	BOILER_1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	OGVs	Bunkering Barge	TUG_H1	Bonnet Generator Berthing	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	TUG_H1	Propulsion Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	TUG_H1	Auxiliary Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H1	Propulsion Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	TUG_H1	Auxiliary Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H1	Propulsion Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	TUG_H1	Auxiliary Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H1	Propulsion Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	TUG_H1	Auxiliary Berthing	USD	Berthing	0	0	0	0	0	--	--	0	--	--	0	--	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	TUG_H1	Propulsion Berthing	USD	All Zones	0.07401321	0.00247529	0.03771502	0.00040687	0.00169322	--	--	0.0015239	--	--	35.8503008	0.00020894	0.0017045	--	--	0.00169322	0.0015238	0.00169322
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	* N/A	Auxiliary Transit	USD	All Zones	0.03731244	0.00129244	0.03084898	6.65382E-05	0.00075394	--	--	0.00069393	--	--	1.86671744	0.00005189	0.00042304	--	--	0.00075394	0.00069393	0.00075394
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Propulsion Transit	USD	All Zones	0.04336454	0.00144871	0.02207347	0.00023813	0.00099099	--	--	0.00089189	--	--	20.9821068	0.00012229	0.00099763	--	--	0.00099099	0.00089189	0.00099099
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	USD	All Zones	0.02183785	0.00075642	0.00555419	3.89686E-05	0.00044126	--	--	0.00039713	--	--	1.43361392	0.00003044	0.00016325	--	--	0.00044126	0.00039713	0.00044126
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Propulsion Transit	USD	All Zones	0.09573527	0.00123174	0.04824083	0.00005121	0.00221067	--	--	0.00198961	--	--	46.8262188	0.0002728	0.00227549	--	--	0.00221067	0.00198962	0.00221067
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	* N/A	Auxiliary Transit	USD	All Zones	0.04871521	0.00168741	0.01139011	8.69019E-05	0.00098435	--	--	0.00088591	--	--	7.65096028	0.00006813	0.00036418	--	--	0.00098435	0.00088591	0.00098435
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	USD	All Zones	0.78056166	0.0260768	0.39732253	0.00428828	0.01783784	--	--	0.01605406	--	--	377.677922	0.00220119	0.01795706	--	--	0.01783784	0.01605406	0.01783784
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	USD	All Zones	0.19338138	0.00136156	0.09997541	0.00070143	0.00794265	--	--	0.00714838	--	--	61.8050508	0.0054986	0.02019816	--	--	0.00794265	0.00714838	0.00794265
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC1	Propulsion Transit	USD	Precautionary Area to Anchorage	0.0133951	0.00044082	0.00671659	7.3432E-05	0.00030154	--	--	0.00027139	--	--	6.47030608	3.771E-05	0.00030764	--	--	0.00030154	0.00027188	0.00030154
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC1	Auxiliary Transit	USD	Precautionary Area to Anchorage	0.00674877	0.00023377	0.00171647	1.2017E-05	0.00011637	--	--	0.00012273	--	--	1.05883233	9.4191E-06	5.0343E-05	--	--	0.00011637	0.00012273	0.00011637
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Propulsion Transit	USD	Precautionary Area to Anchorage	0.00032987	0.00001033	0.00016915	1.8358E-05	7.5385E-05	--	--	6.7647E-05	--	--	1.61757653	9.4276E-06	7.6969E-05	--	--	7.5385E-05	6.7849E-05	7.5385E-05
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC1	Auxiliary Transit	USD	Precautionary Area to Anchorage	0.00168719	5.8441E-05	0.00042912	3.004E-06	3.4092E-05	--	--	3.0682E-05	--	--	0.26470808	2.3548E-05	3.0682E-05	--	--	3.4092E-05	3.0682E-05	3.4092E-05
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Propulsion Transit	USD	Precautionary Area to Anchorage	0.00742224	0.00024796	0.00377808	4.13056E-05	0.00016962	--	--	0.00015266	--	--	3.63954717	2.1212E-05	0.00017305	--	--	0.00016962	0.00015266	0.00016962
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Auxiliary Transit	USD	Precautionary Area to Anchorage	0.00742224	0.00024796	0.00377808	4.13056E-05	0.00016962	--	--	0.00015266	--	--	3.63954717	2.1212E-05	0.00017305	--	--	0.00016962	0.00015266	0.00016962

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00379618	0.00013149	0.00096551	6.7594E-06	7.6706E-05	--	--	6.9035E-05	--	--	0.59559319	5.2982E-05	2.8318E-05	--	--	7.67061E-05	6.90355E-05	7.67061E-05
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.02354036	0.00078643	0.01198255	0.000131	0.00053796	--	--	0.00048416	--	--	11.5431736	6.7276E-05	0.00054883	--	--	0.000537958	0.000484162	0.000537958
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01203995	0.00041704	0.00306221	2.1438E-05	0.00024328	--	--	0.00021895	--	--	1.88898103	0.00016804	8.9814E-05	--	--	0.000243281	0.000218953	0.000243281
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.01377747	0.00046027	0.00701303	7.6673E-05	0.00031485	--	--	0.00028337	--	--	6.75587363	3.9375E-05	0.00032121	--	--	0.000314851	0.000283366	0.000314851
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.00704662	0.00024408	0.00179222	1.2547E-05	0.00014238	--	--	0.00012815	--	--	1.10556399	9.8348E-05	5.2565E-05	--	--	0.000142385	0.000128146	0.000142385
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.03073435	0.00102677	0.01564444	0.00017104	0.00070236	--	--	0.00063212	--	--	15.070795	8.7836E-05	0.00071656	--	--	0.000702359	0.000632123	0.000702359
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01571939	0.00054449	0.00399803	2.799E-05	0.00031763	--	--	0.00028587	--	--	2.46625814	0.00021939	0.00011726	--	--	0.000317628	0.000285865	0.000317628
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0.24799443	0.00828493	0.12623445	0.00138011	0.00566731	--	--	0.00510058	--	--	121.605725	0.00070875	0.00578187	--	--	0.00566731	0.005100579	0.00566731
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0.12683924	0.00439348	0.03226	0.00022585	0.00256293	--	--	0.00230664	--	--	19.9001519	0.00177026	0.00094617	--	--	0.002562929	0.002306636	0.002562929
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.0495703	0.00165603	0.02523234	0.00027586	0.00113281	--	--	0.00101953	--	--	24.3071271	0.00014167	0.00115571	--	--	0.001132809	0.001019528	0.001132809
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.02535323	0.00087819	0.00644828	4.5143E-05	0.00051229	--	--	0.00046106	--	--	3.97773641	0.00035385	0.00018913	--	--	0.00051229	0.000461061	0.00051229
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.02901201	0.00096923	0.01476773	0.00016145	0.000663	--	--	0.0005967	--	--	14.2262331	8.2914E-05	0.0006764	--	--	0.000662999	0.000596699	0.000662999
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.01483848	0.00051398	0.00377399	2.6421E-05	0.00029983	--	--	0.00026985	--	--	2.32804993	0.0002071	0.00011069	--	--	0.000299828	0.000269845	0.000299828
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.0647191	0.00216212	0.0329434	0.00036017	0.001479	--	--	0.0013311	--	--	31.7354431	0.00018496	0.00150889	--	--	0.001478998	0.001331098	0.001478998
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.03310123	0.00114657	0.00841889	5.8939E-05	0.00066885	--	--	0.00060196	--	--	5.19334214	0.00046198	0.00024692	--	--	0.000668847	0.000601963	0.000668847
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0.5222162	0.01744607	0.26581918	0.00290617	0.01193398	--	--	0.01074058	--	--	256.072196	0.00149245	0.01217521	--	--	0.011933983	0.010740584	0.011933983
Annual	tpy	Floating Baseline	Uncontrolled	2027	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.26709271	0.00925161	0.06793174	0.00047558	0.00539691	--	--	0.00485722	--	--	41.9048987	0.00372774	0.00199241	--	--	0.005396907	0.004857216	0.005396907
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.01337243	0.00044674	0.00680685	7.3432E-05	0.00030559	--	--	0.00027504	--	--	6.47030608	3.771E-05	0.00030764	--	--	0.000305594	0.000275035	0.000305594
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.0067342	0.00023326	0.00171276	1.2017E-05	0.00013607	--	--	0.00012246	--	--	1.05883233	9.4191E-05	5.0343E-05	--	--	0.000136072	0.000122465	0.000136072
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.00334311	0.00011169	0.00170171	1.8358E-05	7.6399E-05	--	--	6.8759E-05	--	--	1.61757652	9.4276E-06	7.6909E-05	--	--	7.63986E-05	6.87588E-05	7.63986E-05
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00168355	5.8315E-05	0.00042819	3.0042E-06	3.4018E-05	--	--	3.0616E-05	--	--	0.26470808	2.3548E-05	1.2586E-05	--	--	3.4018E-05	3.06162E-05	3.4018E-05
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0.00752199	0.00025129	0.00382886	4.1305E-05	0.0001719	--	--	0.00015471	--	--	3.63954717	2.1212E-05	0.00017305	--	--	0.000171897	0.000154707	0.000171897
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0.00378798	0.00013121	0.00096343	6.7594E-06	7.654E-05	--	--	6.8886E-05	--	--	0.59559319	5.2982E-05	2.8318E-05	--	--	7.65405E-05	6.88864E-05	7.65405E-05
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Propulsion Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	ULSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.02385673	0.000797	0.01214358	0.000131	0.00054519	--	--	0.00049067	--	--	11.5431736	6.7276E-05	0.00054883	--	--	0.000545188	0.000490669	0.000545188
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01201396	0.00041614	0.0030556	2.1438E-05	0.00024276	--	--	0.00021848	--	--	1.88898103	0.00016804	8.9814E-05	--	--	0.000242755	0.00021848	0.000242755
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.01396263	0.00046646	0.00710727	7.6673E-05	0.00031908	--	--	0.00028717	--	--	6.75587363	3.9375E-05	0.00032121	--	--	0.000319082	0.000287174	0.000319082
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.00703141	0.00024356	0.00178835	1.2547E-05	0.00014208	--	--	0.00012787	--	--	1.10556399	9.8348E-05	5.2565E-05	--	--	0.000142077	0.00012787	0.000142077
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Propulsion Transit	ULSD	Maneuvering	0.0311474	0.00104056	0.01585469	0.00017104	0.0007118	--	--	0.00064062	--	--	15.070795	8.7836E-05	0.00071656	--	--	0.000711798	0.000640618	0.000711798
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC2	Auxiliary Transit	ULSD	Maneuvering	0.01568545	0.00054332	0.0039894	2.799E-05	0.00031694	--	--	0.00028525	--	--	2.46625814	0.00021939	0.00011726	--	--	0.000316942	0.000285248	0.000316942
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Propulsion Transit	ULSD	Maneuvering	0.25132729	0.00839628	0.12793095	0.00138011	0.00574347	--	--	0.00516913	--	--	121.605725	0.00070875	0.00578187	--	--	0.005743475	0.005169127	0.005743475
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	ULSD	Maneuvering	0.12656537	0.004384	0.03219034	0.00022585	0.00255739	--	--	0.00230166	--	--	19.9001519	0.00177026	0.00094617	--	--	0.002557395	0.002301655	0.002557395
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.05023649	0.00167829	0.02557144	0.00027586	0.00114803	--	--	0.00103323	--	--	24.3071271	0.00014167	0.00115571	--	--	0.001148033	0.00103323	0.001148033
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Tanker Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.02529848	0.00087629	0.00643436	4.5143E-05	0.00051118	--	--	0.00046007	--	--	3.97773641	0.00035385	0.00018913	--	--	0.000511184	0.000460066	0.000511184
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.02940191	0.00098225	0.0149662	0.00016145	0.00067191	--	--	0.00060472	--	--	14.2262331	8.2914E-05	0.0006764	--	--	0.000671909	0.000604718	0.000671909
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	ITB/ATB Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.01480645	0.00051287	0.00376584	2.6421E-05	0.00029918	--	--	0.00026926	--	--	2.32804993	0.0002071	0.00011069	--	--	0.000299181	0.000269263	0.000299181
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Propulsion Transit	ULSD	Precautionary Area	0.06558888	0.00219118	0.03338614	0.00036017	0.00149887	--	--	0.00134899	--	--	31.7354431	0.00018496	0.00150889	--	--	0.001498874	0.001348987	0.001498874
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	OGV Barge Assist	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.03302976	0.00114409	0.00840071	5.8939E-05	0.0006674	--	--	0.00060066	--	--	5.19334214	0.00046198	0.00024692	--	--	0.000667403	0.000600663	0.000667403
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Propulsion Transit	ULSD	Precautionary Area	0.52923437	0.01768053	0.26939158	0.00290617	0.01209437	--	--	0.01088493	--	--	256.072196	0.00149245	0.01217521	--	--	0.012094366	0.010884929	0.012094366
Annual	tpy	Floating Baseline	Uncontrolled	2057	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	ULSD	Precautionary Area	0.26651601	0.00923164	0.06778507	0.00047558	0.00538525	--	--	0.00484673	--	--	41.9048987	0.00372774	0.00199241	--	--	0.005385254	0.004846729	0.005385254
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	49.1197647	3.94821608	5.07004609	2.75877327	1.83694671	--	--	1.68719562	--	--	4519.20594	0.0868785	0.18122549	--	--	1.836946712	1.687195621	1.836946712
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	10.9112782	0.50789879	0.42067256	0.37917265	0.18753759	--	--	0.17249447	--	--	621.237977	0.00974221	0.02797543	--	--	0.187537593	0.172494471	0.187537593
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	78.5522246	2.188589	2.70151346	1.91246917	1.07027406	--	--	0.98302346	--	--	3132.85696	0.06403714	0.16455766	--	--	1.07027406	0.983023457	1.07027406
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	25.5359514	0.53193108	0.77466731	0.58966329	0.36026752	--	--	0.33089789	--	--	965.94014	0.01915196	0.05678129	--	--	0.36026752	0.330897885	0.36026752
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	46.8912589	1.75348299	1.73253535	1.15337541	0.63146614	--	--	0.57998793	--	--	1889.3691	0.03907605	0.0963004	--	--	0.631466144	0.579987926	0.631466144
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	25.2275552	0.62618362	0.79077141	0.56282652	0.31555223	--	--	0.28982786	--	--	921.978245	0.01882684	0.04854964	--	--	0.315552225	0.289827859	0.315552225
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	8.11223946	0.75543161	0.65632263	0.4242657	0.21782713	--	--	0.20006949	--	--	694.998782	0.01434818	0.03467477	--	--	0.217827134	0.200069488	0.217827134
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	1.38124821	0.06562175	0.06159464	0.05261023	0.0198725	--	--	0.01827845	--	--	86.1968157	0.00123326	0.00361449	--	--	0.019872499	0.018278448	0.019872499
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	10.5023988	0.24357315	0.73129559	0.26535524	0.10835095	--	--	0.09951799	--	--	434.684137	0.00856174	0.01707705	--	--	0.108350947	0.099517989	0.108350947
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3.57559781	0.04770253	0.23921388	0.08172339	0.03566476	--	--	0.03275731	--	--	133.872845	0.0026817	0.00509203	--	--	0.035664764	0.03275731	0.035664764
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	6.07072607	0.21688354	0.33650943	0.16003092	0.06566492	--	--	0.06031181	--	--	262.150104	0.00505894	0.01140994	--	--	0.065664924	0.060311805	0.065664924
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3.38207094	0.068792	0.21953104	0.07809222	0.03187371	--	--	0.02927531	--	--	127.92455	0.00252398	0.00497978	--	--	0.031873707	0.029275307	0.031873707
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	5.29029698	0.49264541	0.42801271	0.27667965	0.14063275	--	--	0.12916812	--	--	453.23489	0.00935699	0.02261272	--	--	0.140632748	0.129168122	0.140632748
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.89506585	0.0425237	0.03991409	0.03409208	0.01271864	--	--	0.01169843	--	--	55.8565977	0.00079917	0.00234224	--	--	0.012718641	0.011698429	0.012718641
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	6.80568371	0.15697808	0.4817357	0.17195346	0.06933873	--	--	0.06368612	--	--	281.680672	0.00554811	0.0109743	--	--	0.06933873	0.063686116	0.06933873
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2.32101666	0.03056285	0.16017087	0.05304885	0.02287859	--	--	0.02101349	--	--	86.9004625	0.00174076	0.00326245	--	--	0.022878593	0.02101349	0.022878593
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	3.93390522	0.14033095	0.21999826	0.10370201	0.04202457	--	--	0.03859866	--	--	169.876495	0.00327825	0.00737112	--	--	0.042024575	0.038598658	0.042024575
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2.1916236	0.04431222	0.14468365	0.05060472	0.02039734	--	--	0.01873451	--	--	82.8966835	0.00163557	0.00319858	--	--	0.020397337	0.018734511	0.020397337
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	1.53043655	0.1563547	0.14300112	0.08086519	0.03022261	--	--	0.02775881	--	--	132.467011	0.00270689	0.00717677	--	--	0.030222609	0.02775881	0.030222609
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0.3272117	0.0180737	0.01331537	0.0101533	0.00346007	--	--	0.00318252	--	--	16.6352089	0.00029215	0.00099551	--	--	0.003460069	0.003182523	0.003460069
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	2.50955777	0.06034805	0.12669124	0.05121117	0.0150173	--	--	0.01379306	--	--	83.8901228	0.00204584	0.00398421	--	--	0.0150173	0.013793064	0.0150173
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0.83885134	0.00895955	0.04889353	0.01591788	0.00420102	--	--	0.00385855	--	--	26.0754232	0.00062914	0.00095639	--	--	0.004201022	0.003858547	0.004201022
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	1.44333823	0.05807235	0.06499929	0.03088453	0.01048377	--	--	0.00962912	--	--	50.5926086	0.00120278	0.00296512	--	--	0.010483771	0.009629116	0.010483771
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0.80848401	0.01686493	0.03775532	0.0150711	0.00436056	--	--	0.00400508	--	--	24.6882858	0.00060336	0.00114931	--	--	0.004360562	0.004005081	0.004360562
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0.47936506	0.05637186	0.03487444	0.0175432	0.00666691	--	--	0.00612341	--	--	28.737899	0.00084786	0.0025875	--	--	0.006666906	0.006123409	0.006666906
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0.09323343	0.00563503	0.00309371	0.00214591	0.00075054	--	--	0.00069033	--	--	3.51587549	8.3244E-05	0.00031038	--	--	0.000750535	0.000690332	0.000750535
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.69006162	0.01846011	0.00916248	0.01082356	0.00273376	--	--	0.0025109	--	--	17.7302989	0.00056255	0.00120428	--	--	0.002733758	0.002510897	0.002733758
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0.21370688	0.00249737	0.00077877	0.00307172	0.00057827	--	--	0.00053112	--	--	5.03185422	0.00016028	0.00026658	--	--	0.000578266	0.000531124	0.000578266
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.40522235	0.0180182	0.01010032	0.00652749	0.00214487	--	--	0.00197001	--	--	10.6928211	0.00033769	0.00091511	--	--	0.002144866	0.001970013	0.002144866
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.22192693	0.00514839	0.00250757	0.0031853	0.00078404	--	--	0.00072012	--	--	5.21790496	0.00016562	0.00034661	--	--	0.000784038	0.000720122	0.000784038
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.95514615	0.02915272	0.07613484	0.02934652	0.01308135	--	--	0.01204315	--	--	48.1725885	0.00055371	0.00200719	--	--	0.013081349	0.012043147	0.013081349
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.63822457	0.03028304	0.06470734	0.03048435	0.01358854	--	--	0.01251009	--	--	50.0403461	0.00057518	0.00208501	--	--	0.013588542	0.012510087	0.013588542
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	5.55710015	0.21592718	0.56391238	0.21736259	0.0968904	--	--	0.08920069	--	--	356.80274	0.00410118	0.01486678	--	--	0.096890399	0.089200685	0.096890399
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1.36814393	0.04723461	0.12335724	0.04754861	0.02119502	--	--	0.01951287	--	--	78.0514899	0.00089714	0.00325215	--	--	0.021195017	0.019512872	0.021195017
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1.96035203	0.07863812	0.20537021	0.07916088	0.03528634	--	--	0.03248583	--	--	129.943335	0.0014936	0.00541431	--	--	0.035286337	0.032485834	0.035286337
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.79160694	0.02704707	0.07063575	0.02722687	0.01213651	--	--	0.01117329	--	--	44.6931674	0.00051371	0.00186222	--	--	0.012136507	0.011173292	0.012136507
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.19269295	0.00588132	0.01535958	0.00592042	0.00263906	--	--	0.00242961	--	--	9.71842694	0.00011171	0.00040493	--	--	0.002639056	0.002429607	0.002639056
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.13656003	0.00647962	0.01384534	0.00652269	0.00290752	--	--	0.00267677	--	--	10.707064	0.00012307	0.00044613	--	--	0.002907522	0.002676766	0.002907522
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	1.18904508	0.04620164	0.12065956	0.04650877	0.02073151	--	--	0.01908615	--	--	76.3445917	0.00087752	0.00318102	--	--	0.020731505	0.019086148	0.020731505
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.29273988	0.01010672	0.02639458	0.01017391	0.00453507	--	--	0.00417514	--	--	16.70057	0.00019196	0.00069586	--	--	0.004535069	0.004175142	0.004535069
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.41945383	0.01682609	0.04394278	0.01693795	0.00755017	--	--	0.00695095	--	--	27.8037967	0.00031958	0.00115849	--	--	0.007550169	0.006950949	0.007550169
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.16937905	0.00578722	0.01511383	0.0058257	0.00259683	--	--	0.00239073	--	--	9.56293557	0.00010992	0.00039846	--	--	0.002596832	0.002390734	0.002596832
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.12731578	0.0038859	0.01014836	0.00391173	0.00174367	--	--	0.00160529	--	--	6.42114383	7.3806E-05	0.00026755	--	--	0.001743673	0.001605286	0.001743673
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.09022773	0.0042812	0.00914787	0.00430966	0.00192105	--	--	0.00176859	--	--	7.07435459	8.1314E-05	0.00029476	--	--	0.001921053	0.001768589	0.001921053
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.785624	0.03052628	0.07972199	0.0307292	0.01369769	--	--	0.01261057	--	--	50.4422791	0.0005798	0.00210176	--	--	0.013697688	0.01261057	0.013697688
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.19341863	0.0066777	0.01743938	0.00672209	0.0029964	--	--	0.00275859	--	--	11.0343744	0.00012683	0.00045977	--	--	0.002996403	0.002758594	0.002996403
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.27714088	0.01111731	0.02903381	0.01119121	0.00498854	--	--	0.00459262	--	--	18.370481	0.00021115	0.00076544	--	--	0.004988536	0.00459262	0.004988536
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.11191186	0.00382373	0.00998599	0.00384914	0.00171577	--	--	0.0015796	--	--	6.31840782	7.2625E-05	0.00026327	--	--	0.001715775	0.001579602	0.001715775
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0.08854286	0.00270248	0.00705776	0.00272045	0.00121265	--	--	0.00111641	--	--	4.46564013	5.1329E-05	0.00018607	--	--	0.001212652	0.00111641	0.001212652
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0.06274966	0.0029774	0.00636197	0.00299719	0.00133601	--	--	0.00122998	--	--	4.91992121	5.6551E-05	0.000205	--	--	0.001336013	0.00122998	0.001336013
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.54636902	0.02122976	0.05544335	0.02137089	0.00952618	--	--	0.00877013	--	--	35.0805201	0.00040322	0.00146169	--	--	0.009526176	0.00877013	0.009526176
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.13451466	0.00464406	0.01212837	0.00467494	0.00208387	--	--	0.00191849	--	--	7.67395133	8.8206E-05	0.00031975	--	--	0.002083875	0.001918488	0.002083875
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.19274002	0.00773163	0.02019181	0.00778303	0.00346932	--	--	0.00319398	--	--	12.7759102	0.00014685	0.00053233	--	--	0.00346932	0.003193978	0.00346932
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.07783007	0.00265924	0.00694484	0.00267692	0.00119325	--	--	0.00109855	--	--	4.39419148	5.0508E-05	0.00018309	--	--	0.00119325	0.001098548	0.00119325
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0.11551744	0.00400132	0.02938044	0.00020569	0.00233416	--	--	0.00210074	--	--	18.1238449	0.00161224	0.00086172	--	--	0.002334159	0.002100743	0.002334159
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0.06307197	0.00192507	0.00502748	0.00193786	0.00086381	--	--	0.00079526	--	--	3.1810213	3.6563E-05	0.00013254	--	--	0.000863812	0.000795255	0.000863812
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0.04469863	0.0021209	0.00453184	0.002135	0.00095169	--	--	0.00087616	--	--	3.50462055	4.0283E-05	0.00014603	--	--	0.000951686	0.000876155	0.000951686
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.3891965	0.01512265	0.03949411	0.01522318	0.00678581	--	--	0.00624725	--	--	24.9890001	0.00028723	0.00104121	--	--	0.006785806	0.00624725	0.006785806
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.09581919	0.00330812	0.00863943	0.00333011	0.00148441	--	--	0.0013666	--	--	5.46640614	6.2832E-05	0.00022777	--	--	0.001484412	0.001366602	0.001484412
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.13729501	0.00550749	0.01438329	0.0055441	0.00247131	--	--	0.00227517	--	--	9.10069807	0.00010461	0.0003792	--	--	0.00247131	0.002275175	0.00247131
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.0554409	0.00189427	0.00494704	0.00190686	0.00084999	--	--	0.00078253	--	--	3.13012609	3.5978E-05	0.00013042	--	--	0.000849991	0.000782532	0.000849991
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0.08228685	0.00285027	0.02092865	0.00014652	0.0016627	--	--	0.00149643	--	--	12.9102066	0.00114845	0.00061383	--	--	0.001662698	0.001496428	0.001662698
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	1.89578851	0.05786276	0.15111358	0.05824741	0.02596406	--	--	0.02390342	--	--	95.6136812	0.00109901	0.0039839	--	--	0.02596406	0.02390342	0.02596406
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	1.9275689	0.09146097	0.19542943	0.09206898	0.04104018	--	--	0.03778302	--	--	151.132092	0.00173715	0.00629717	--	--	0.04104018	0.037783023	0.04104018
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	2.40838451	0.0935804	0.24439326	0.09420249	0.04199121	--	--	0.03865857	--	--	154.634282	0.00177741	0.0064431	--	--	0.041991206	0.03865857	0.041991206
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.3331039	0.01150028	0.03003396	0.01157673	0.00516038	--	--	0.00475083	--	--	19.0033044	0.00021843	0.0007918	--	--	0.00516038	0.004750826	0.00516038
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.96538508	0.03872573	0.10113558	0.03898317	0.01737693	--	--	0.01599781	--	--	63.9912397	0.00073553	0.0026663	--	--	0.017376931	0.01599781	0.017376931
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.29105312	0.0099445	0.02597091	0.01001061	0.00446228	--	--	0.00410813	--	--	16.4325062	0.00018888	0.00068469	--	--	0.004462275	0.004108127	0.004462275
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0.71028715	0.02460308	0.18065279	0.00126472	0.01435215	--	--	0.01291693	--	--	111.438876	0.00991327	0.00529847	--	--	0.014352146	0.012916931	0.014352146
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.12133935	0.03422523	0.08938212	0.03445275	0.01535747	--	--	0.01413863	--	--	56.5545064	0.00065005	0.00235644	--	--	0.015357474	0.014138627	0.015357474

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.21851656	0.05781724	0.12354111	0.05820159	0.02594363	--	--	0.02388461	--	--	95.5384561	0.00109814	0.00398077	--	--	0.025943632	0.023884614	0.025943632
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	13.1562449	0.51120022	1.3350433	0.51459851	0.22938471	--	--	0.21117958	--	--	844.718305	0.00970941	0.0351966	--	--	0.229384712	0.211179576	0.229384712
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.40726093	0.04858511	0.12688418	0.04890808	0.02180101	--	--	0.02007077	--	--	80.2830826	0.00092279	0.00334513	--	--	0.021801009	0.020070771	0.021801009
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	3.10421635	0.12452342	0.32520362	0.12535121	0.05587589	--	--	0.0514413	--	--	205.765198	0.00236512	0.00857355	--	--	0.055875894	0.051441299	0.055875894
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0.82148299	0.02806786	0.07330162	0.02825444	0.01259455	--	--	0.01159498	--	--	46.3799332	0.0005331	0.0019325	--	--	0.012594551	0.011594983	0.012594551
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.2224844	0.0117138	0.02224844	0.06529917	0.01779875	--	--	0.0163526	--	--	107.014995	0.00022248	0.00834316	--	--	0.017798752	0.016352603	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.04053359	0.00213409	0.00405336	0.01189661	0.00324269	--	--	0.00297922	--	--	19.496659	4.0534E-05	0.00152001	--	--	0.003242688	0.002979219	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.1734756	0.00913349	0.01734756	0.05091509	0.01387805	--	--	0.01275046	--	--	83.441762	0.00017348	0.00650533	--	--	0.013878048	0.012750456	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.05130161	0.00270103	0.00513016	0.01505702	0.00410413	--	--	0.00377067	--	--	24.6760745	5.1302E-05	0.00192381	--	--	0.004104129	0.003770668	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.04760468	0.00250639	0.00476047	0.01397197	0.00380837	--	--	0.00349894	--	--	22.8978514	4.7605E-05	0.00178518	--	--	0.003808374	0.003498944	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.00867292	0.00045663	0.00086729	0.0025455	0.00069383	--	--	0.00063746	--	--	4.17167332	8.6729E-06	0.00032523	--	--	0.000693833	0.000637459	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.03711833	0.00195428	0.00371183	0.01089423	0.00296947	--	--	0.0027282	--	--	17.8539191	3.7118E-05	0.00139194	--	--	0.002969467	0.002728198	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.01097693	0.00057794	0.00109769	0.00322173	0.00087815	--	--	0.0008068	--	--	5.27990573	1.0977E-05	0.00041164	--	--	0.000878155	0.000806805	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.03145329	0.00165602	0.00314533	0.00923154	0.00251626	--	--	0.00231182	--	--	15.1290325	3.1453E-05	0.0011795	--	--	0.002516263	0.002311817	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.00573036	0.0003017	0.00057304	0.00168186	0.00045843	--	--	0.00042118	--	--	2.75630147	5.7304E-06	0.00021489	--	--	0.000458429	0.000421181	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.02452477	0.00129123	0.00245248	0.00719802	0.00196198	--	--	0.00180257	--	--	11.7964134	2.4525E-05	0.00091968	--	--	0.001961981	0.00180257	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.00725266	0.00038185	0.00072527	0.00212866	0.00058021	--	--	0.00053307	--	--	3.48853105	7.2527E-06	0.00027197	--	--	0.000580213	0.000533071	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.02187446	0.00115169	0.00218745	0.00642015	0.00174996	--	--	0.00160777	--	--	10.5216168	2.1874E-05	0.00082029	--	--	0.001749957	0.001607773	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.00398523	0.00020982	0.00039852	0.00116966	0.00031882	--	--	0.00029291	--	--	1.91689374	3.9852E-06	0.00014945	--	--	0.000318818	0.000292914	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.01705596	0.000898	0.0017056	0.00500592	0.00136448	--	--	0.00125361	--	--	8.20391797	1.7056E-05	0.0006396	--	--	0.001364477	0.001253613	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.00504393	0.00026556	0.00050439	0.00148039	0.00040351	--	--	0.00037073	--	--	2.42612915	5.0439E-06	0.00018915	--	--	0.000403514	0.000370729	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.01558189	0.00082039	0.00155819	0.00457329	0.00124655	--	--	0.00114527	--	--	7.49489123	1.5582E-05	0.00058432	--	--	0.001246552	0.001145269	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.00283881	0.00014946	0.00028388	0.00083319	0.0002271	--	--	0.00020865	--	--	1.36546601	2.8388E-06	0.00010646	--	--	0.000227105	0.000208652	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.01214952	0.00063967	0.00121495	0.00356588	0.00097196	--	--	0.00089299	--	--	5.84391869	1.215E-05	0.00045561	--	--	0.000971962	0.00089299	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.00359295	0.00018917	0.0003593	0.00105453	0.00028744	--	--	0.00026408	--	--	1.72821103	3.593E-06	0.00013474	--	--	0.000287436	0.000264082	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.73732847	0.03882034	0.07373285	0.21640591	0.05898628	--	--	0.05419364	--	--	354.654993	0.00073733	0.02764982	--	--	0.058986277	0.054193642	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.01427285	0.00075147	0.00142728	0.00418908	0.00114183	--	--	0.00104905	--	--	6.86524024	1.4273E-05	0.00053523	--	--	0.001141828	0.001049054	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.42659993	0.02246049	0.04265999	0.12520708	0.03412799	--	--	0.03135509	--	--	205.194564	0.0004266	0.0159975	--	--	0.034127994	0.031355095	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.17089076	0.0089974	0.01708908	0.05015644	0.01367126	--	--	0.01256047	--	--	82.198455	0.00017089	0.0064084	--	--	0.013671261	0.012560471	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	1.39139253	0.07325682	0.13913925	0.40837371	0.1113114	--	--	0.10226735	--	--	669.259806	0.00139139	0.05217722	--	--	0.111311402	0.102267351	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.11284771	0.00594143	0.01128477	0.0331208	0.00902782	--	--	0.00829431	--	--	54.2797468	0.00011285	0.00423179	--	--	0.009027817	0.008294306	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.79194663	0.04169599	0.07919466	0.23243634	0.06335573	--	--	0.05820808	--	--	380.92633	0.00079195	0.029698	--	--	0.063355731	0.058208077	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.16200069	0.00852934	0.01620007	0.0475472	0.01296006	--	--	0.01190705	--	--	77.9223327	0.000162	0.00607503	--	--	0.012960055	0.011907051	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	14.8170782	0.45224299	1.18107145	0.45524936	0.20292955	--	--	0.18682403	--	--	747.296115	0.00858961	0.03113734	--	--	0.202929549	0.186824029	0.202929549
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	1.80109801	0.08546007	0.18260699	0.08602818	0.03834747	--	--	0.03530402	--	--	141.216073	0.00162317	0.005884	--	--	0.038347468	0.035304018	0.038347468
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	49.1197647	3.94821608	5.07004609	2.75877327	1.83694671	--	--	1.68719562	--	--	4519.20594	0.0868785	0.18122549	--	--	1.836946712	1.687195621	1.836946712
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	10.9112782	0.50789879	0.42067256	0.37917265	0.18753759	--	--	0.17249447	--	--	621.237977	0.00974221	0.02797543	--	--	0.187537593	0.172494471	0.187537593
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	78.5522246	2.188589	2.70151346	1.91246917	1.07027406	--	--	0.98302346	--	--	3132.85696	0.06403714	0.16455766	--	--	1.07027406	0.983023457	1.07027406
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	25.5359514	0.53193108	0.77466731	0.58966329	0.36026752	--	--	0.33089789	--	--	965.94014	0.01915196	0.05678129	--	--	0.36026752	0.330897885	0.36026752
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	46.8912589	1.75348299	1.73253535	1.15337541	0.63146614	--	--	0.57998793	--	--	1889.3691	0.03907605	0.0963004	--	--	0.631466144	0.579987926	0.631466144
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	25.2275552	0.62618362	0.79077141	0.56282652	0.31555223	--	--	0.28982786	--	--	921.978245	0.01882684	0.04854964	--	--	0.315552225	0.289827859	0.315552225
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	8.11223946	0.75543161	0.65632263	0.4242657	0.21782713	--	--	0.20006949	--	--	694.998782	0.01434818	0.03467477	--	--	0.217827134	0.200069488	0.217827134
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	1.38124821	0.06562175	0.06159464	0.05261023	0.0198725	--	--	0.01827845	--	--	86.1968157	0.00123326	0.00361449	--	--	0.019872499	0.018278448	0.019872499
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	10.5023988	0.24357315	0.73129559	0.26535524	0.10835095	--	--	0.09951799	--	--	434.684137	0.00856174	0.01707705	--	--	0.108350947	0.099517989	0.108350947
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3.57559781	0.04770253	0.23921388	0.08172339	0.03566476	--	--	0.03275731	--	--	133.872845	0.0026817	0.00509203	--	--	0.035664764	0.03275731	0.035664764
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	6.07072607	0.21688354	0.33650943	0.16003092	0.06566492	--	--	0.06031181	--	--	262.150104	0.00505894	0.01140994	--	--	0.065664924	0.060311805	0.065664924
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV_5	Main Transit	Marine Distilate	40 to 20 Nautical Miles	3.38207094	0.068792	0.21953104	0.07809222	0.03187371	--	--	0.02927531	--	--	127.92455	0.00252398	0.00497978	--	--	0.031873707	0.029275307	0.031873707
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	5.29029698	0.49264541	0.42801271	0.27667965	0.14063275	--	--	0.12916812	--	--	453.23489	0.00935699	0.02261272	--	--	0.140632748	0.129168122	0.140632748
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.89506585	0.0425237	0.03991409	0.03409208	0.01271864	--	--	0.01169843	--	--	55.8565977	0.00079917	0.00234224	--	--	0.012718641	0.011698429	0.012718641
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	6.80568371	0.15697808	0.4817357	0.17195346	0.06933873	--	--	0.06368612	--	--	281.680672	0.00554811	0.0109743	--	--	0.06933873	0.063686116	0.06933873
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2.32101666	0.03056285	0.16017087	0.05304885	0.02287859	--	--	0.02101349	--	--	86.9004625	0.00174076	0.00326245	--	--	0.022878593	0.02101349	0.022878593
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	3.93390522	0.14033095	0.21999826	0.10370201	0.04202457	--	--	0.03859866	--	--	169.876495	0.00327825	0.00737112	--	--	0.042024575	0.038598658	0.042024575
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV4	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	2.1916236	0.04431222	0.14468365	0.05060472	0.02039734	--	--	0.01873451	--	--	82.8966835	0.00163557	0.00319858	--	--	0.020397337	0.018734511	0.020397337
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Main Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	1.53043655	0.1563547	0.14300112	0.08086519	0.03022261	--	--	0.02775881	--	--	132.467011	0.00270689	0.00717677	--	--	0.030222609	0.02775881	0.030222609
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB3	Main Transit	Marine Distilate	Precautionary Area	0.3272117	0.0180737	0.01331537	0.0101533	0.00346007	--	--	0.00318252	--	--	16.6352089	0.00029215	0.00099551	--	--	0.003460069	0.003182523	0.003460069
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV3	Main Transit	Marine Distilate	Precautionary Area	2.50955777	0.06034805	0.12669124	0.05121117	0.0150173	--	--	0.01379306	--	--	83.8901228	0.00204584	0.00398421	--	--	0.0150173	0.013793064	0.0150173
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV3	Main Transit	Marine Distilate	Precautionary Area	0.83885134	0.00895955	0.04889353	0.01591788	0.00420102	--	--	0.00385855	--	--	26.0754232	0.00062914	0.00095639	--	--	0.004201022	0.003858547	0.004201022
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV3	Main Transit	Marine Distilate	Precautionary Area	1.44333823	0.05807235	0.06499929	0.03088453	0.01048377	--	--	0.00962912	--	--	50.5926086	0.00120278	0.00296512	--	--	0.010483771	0.009629116	0.010483771
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV3	Main Transit	Marine Distilate	Precautionary Area	0.80848401	0.01686493	0.03775532	0.0150711	0.00436056	--	--	0.00400508	--	--	24.6882858	0.00060336	0.00114931	--	--	0.004360562	0.004005081	0.004360562
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC3	Main Transit	Marine Distilate	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0.47936506	0.05637186	0.03487444	0.0175432	0.00666691	--	--	0.00612341	--	--	28.737899	0.00084786	0.0025875	--	--	0.006666906	0.006123409	0.006666906
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB2	Main Transit	Marine Distilate	Maneuvering	0.09323343	0.00563503	0.00309371	0.00214591	0.00075054	--	--	0.00069033	--	--	3.51587549	8.3244E-05	0.00031038	--	--	0.000750535	0.000690332	0.000750535
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.69006162	0.01846011	0.00916248	0.01082356	0.00273376	--	--	0.0025109	--	--	17.7302989	0.00056255	0.00120428	--	--	0.002733758	0.002510897	0.002733758

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																	
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV2	Main Transit	Marine Distilate	Maneuvering	0.21370688	0.00249737	0.00077877	0.00307172	0.00057827	--	--	0.00053112	--	--	5.03185422	0.00016028	0.00026658	--	--	0.000578266	0.000531124	0.000578266
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.40522235	0.0180182	0.01010032	0.00652749	0.00214487	--	--	0.00197001	--	--	10.6928211	0.00033769	0.00091511	--	--	0.002144866	0.001970013	0.002144866
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV2	Main Transit	Marine Distilate	Maneuvering	0.22192693	0.00514839	0.00250757	0.0031853	0.00078404	--	--	0.00072012	--	--	5.21790496	0.00016562	0.00034661	--	--	0.000784038	0.000720122	0.000784038
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC2	Main Transit	Marine Distilate	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	Main Berthing	Marine Distilate	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	TANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	BANCHOR	Main Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.0370083	0.00435206	0.0026924	0.00135438	0.0005147	--	--	0.00047274	--	--	2.21864459	6.5457E-05	0.00019976	--	--	0.000514703	0.000472744	0.000514703
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.00719788	0.00043504	0.00023884	0.00016567	5.7943E-05	--	--	5.3296E-05	--	--	0.27143523	6.4267E-06	2.3962E-05	--	--	5.79434E-05	5.32955E-05	5.79434E-05
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.09349701	0.00250118	0.00124143	0.00146649	0.0003704	--	--	0.0003402	--	--	2.40229259	7.622E-05	0.00016317	--	--	0.000370399	0.000340204	0.000370399
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.02817709	0.00032928	0.00010268	0.000405	7.6244E-05	--	--	7.0028E-05	--	--	0.66344626	2.1133E-05	3.5149E-05	--	--	7.62439E-05	7.00284E-05	7.62439E-05
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.0578017	0.00257015	0.00144073	0.00093109	0.00030595	--	--	0.00028101	--	--	1.5252446	4.8168E-05	0.00013053	--	--	0.000305948	0.000281006	0.000305948
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.03469507	0.00080488	0.00039202	0.00049798	0.00012257	--	--	0.00011258	--	--	0.81574405	2.5892E-05	5.4188E-05	--	--	0.000122573	0.000112581	0.000122573
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.0370083	0.00435206	0.0026924	0.00135438	0.0005147	--	--	0.00047274	--	--	2.21864459	6.5457E-05	0.00019976	--	--	0.000514703	0.000472744	0.000514703
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.00719788	0.00043504	0.00023884	0.00016567	5.7943E-05	--	--	5.3296E-05	--	--	0.27143523	6.4267E-06	2.3962E-05	--	--	5.79434E-05	5.32955E-05	5.79434E-05
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.09349701	0.00250118	0.00124143	0.00146649	0.0003704	--	--	0.0003402	--	--	2.40229259	7.622E-05	0.00016317	--	--	0.000370399	0.000340204	0.000370399
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.02817709	0.00032928	0.00010268	0.000405	7.6244E-05	--	--	7.0028E-05	--	--	0.66344626	2.1133E-05	3.5149E-05	--	--	7.62439E-05	7.00284E-05	7.62439E-05
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.0578017	0.00257015	0.00144073	0.00093109	0.00030595	--	--	0.00028101	--	--	1.5252446	4.8168E-05	0.00013053	--	--	0.000305948	0.000281006	0.000305948
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0.03469507	0.00080488	0.00039202	0.00049798	0.00012257	--	--	0.00011258	--	--	0.81574405	2.5892E-05	5.4188E-05	--	--	0.000122573	0.000112581	0.000122573
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC1	Main Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.95514615	0.02915272	0.07613484	0.02934652	0.01308135	--	--	0.01204315	--	--	48.1725885	0.00055371	0.00200719	--	--	0.013081349	0.012043147	0.013081349
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.63822457	0.03028304	0.06470734	0.03048435	0.01358854	--	--	0.01251009	--	--	50.0403461	0.00057518	0.00208501	--	--	0.013588542	0.012510087	0.013588542
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	5.55710015	0.21592718	0.56391238	0.21736259	0.0968904	--	--	0.08920069	--	--	356.80274	0.00410118	0.01486678	--	--	0.096890399	0.089200685	0.096890399
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1.36814393	0.04723461	0.12335724	0.04754861	0.02119502	--	--	0.01951287	--	--	78.0514899	0.00089714	0.00325215	--	--	0.021195017	0.019512872	0.021195017
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	1.96035203	0.07863812	0.20537021	0.07916088	0.03528634	--	--	0.03248583	--	--	129.943335	0.0014936	0.00541431	--	--	0.035286337	0.032485834	0.035286337
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0.79160694	0.02704707	0.07063575	0.02722687	0.01213651	--	--	0.01117329	--	--	44.6931674	0.00051371	0.00186222	--	--	0.012136507	0.011173292	0.012136507
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.19269295	0.00588132	0.01535958	0.00592042	0.00263906	--	--	0.00242961	--	--	9.71842694	0.00011171	0.00040493	--	--	0.002639056	0.002429607	0.002639056
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.13656003	0.00647962	0.01384534	0.00652269	0.00290752	--	--	0.00267677	--	--	10.707064	0.00012307	0.00044613	--	--	0.002907522	0.002676766	0.002907522
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	1.18904508	0.04620164	0.12065956	0.04650877	0.02073151	--	--	0.01908615	--	--	76.3445917	0.00087752	0.00318102	--	--	0.020731505	0.019086148	0.020731505
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.29273988	0.01010672	0.02639458	0.01017391	0.00453507	--	--	0.00417514	--	--	16.70057	0.00019196	0.00069586	--	--	0.004535069	0.004175142	0.004535069
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.41945383	0.01682609	0.04394278	0.01693795	0.00755017	--	--	0.00695095	--	--	27.8037967	0.00031958	0.00115849	--	--	0.007550169	0.006950949	0.007550169
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV_5	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0.16937905	0.00578722	0.01511383	0.0058257	0.00259683	--	--	0.00239073	--	--	9.56293557	0.00010992	0.00039846	--	--	0.002596832	0.002390734	0.002596832
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.12731578	0.0038859	0.01014836	0.00391173	0.00174367	--	--	0.00160529	--	--	6.42114383	7.3806E-05	0.00026755	--	--	0.001743673	0.001605286	0.001743673
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.09022773	0.0042812	0.00914787	0.00430966	0.00192105	--	--	0.00176859	--	--	7.07435459	8.1314E-05	0.00029476	--	--	0.001921053	0.001768589	0.001921053
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.785624	0.03052628	0.07972199	0.0307292	0.01369769	--	--	0.01261057	--	--	50.4422791	0.0005798	0.00210176	--	--	0.013697688	0.01261057	0.013697688
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.19341863	0.0066777	0.01743938	0.00672209	0.0029964	--	--	0.00275859	--	--	11.0343744	0.00012683	0.00045977	--	--	0.002996403	0.002758594	0.002996403
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.27714088	0.01111731	0.02903381	0.01119121	0.00498854	--	--	0.00459262	--	--	18.370481	0.00021115	0.00076544	--	--	0.004988536	0.00459262	0.004988536
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV4	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0.11191186	0.00382373	0.00998599	0.00384914	0.00171577	--	--	0.0015796	--	--	6.31840782	7.2625E-05	0.00026327	--	--	0.001715775	0.001579602	0.001715775
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Aux Transit	Marine Distilate	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0.08854286	0.00270248	0.00705776	0.00272045	0.00121265	--	--	0.00111641	--	--	4.46564013	5.1329E-05	0.00018607	--	--	0.001212652	0.00111641	0.001212652
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB3	Aux Transit	Marine Distilate	Precautionary Area	0.06274966	0.0029774	0.00636197	0.00299719	0.00133601	--	--	0.00122998	--	--	4.91992121	5.6551E-05	0.000205	--	--	0.001336013	0.00122998	0.001336013
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.54636902	0.02122976	0.05544335	0.02137089	0.00952618	--	--	0.00877013	--	--	35.0805201	0.00040322	0.00146169	--	--	0.009526176	0.00877013	0.009526176
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.13451466	0.00464406	0.01212837	0.00467494	0.00208387	--	--	0.00191849	--	--	7.67395133	8.8206E-05	0.00031975	--	--	0.002083875	0.001918488	0.002083875
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.19274002	0.00773163	0.02019181	0.00778303	0.00346932	--	--	0.00319398	--	--	12.7759102	0.00014685	0.00053233	--	--	0.00346932	0.003193978	0.00346932
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV3	Aux Transit	Marine Distilate	Precautionary Area	0.07783007	0.00265924	0.00694484	0.00267692	0.00119325	--	--	0.00109855	--	--	4.39419148	5.0508E-05	0.00018309	--	--	0.00119325	0.001098548	0.00119325
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC3	Aux Transit	Marine Distilate	Precautionary Area	0.11551744	0.00400132	0.02938044	0.00020569	0.00233416	--	--	0.00210074	--	--	18.1238449	0.00161224	0.00086172	--	--	0.002334159	0.002100743	0.002334159
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0.06307197	0.00192507	0.00502748	0.00193786	0.00086381	--	--	0.00079526	--	--	3.1810213	3.6563E-05	0.00013254	--	--	0.000863812	0.000795255	0.000863812
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB2	Aux Transit	Marine Distilate	Maneuvering	0.04469863	0.0021209	0.00453184	0.002135	0.00095169	--	--	0.00087616	--	--	3.50462055	4.0283E-05	0.00014603	--	--	0.000951686	0.000876155	0.000951686
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.3891965	0.01512265	0.03949411	0.01522318	0.00678581	--	--	0.00624725	--	--	24.9890001	0.00028723	0.00104121	--	--	0.006785806	0.00624725	0.006785806
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.09581919	0.00330812	0.00863943	0.00333011	0.00148441	--	--	0.0013666	--	--	5.46640614	6.2832E-05	0.00022777	--	--	0.001484412	0.001366602	0.001484412
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.13729501	0.00550749	0.01438329	0.0055441	0.00247131	--	--	0.00227517	--	--	9.10069807	0.00010461	0.0003792	--	--	0.00247131	0.002275175	0.00247131
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV2	Aux Transit	Marine Distilate	Maneuvering	0.0554409	0.00189427	0.00494704	0.00190686	0.00084999	--	--	0.00078253	--	--	3.13012609	3.5978E-05	0.00013042	--	--	0.000849991	0.000782532	0.000849991
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC2	Aux Transit	Marine Distilate	Maneuvering	0.08228685	0.00285027	0.02092865	0.00014652	0.0016627	--	--	0.00149643	--	--	12.9102066	0.00114845	0.00061383	--	--	0.001662698	0.001496428	0.001662698
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	1.89578851	0.05786276	0.15111358	0.05824741	0.02596406	--	--	0.02390342	--	--	95.6136812	0.00109901	0.0039839	--	--	0.02596406	0.02390342	0.02596406
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	Aux Berthing	Marine Distilate	Berthing	1.9275689	0.09146097	0.19542943	0.09206898	0.04104018	--	--	0.03778302	--	--	151.132092	0.00173715	0.00629717	--	--	0.04104018	0.037783023	0.04104018
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	2.40838451	0.0935804	0.24439326	0.09420249	0.04199121	--	--	0.03865857	--	--	154.634282	0.00177741	0.0064431	--	--	0.041991206	0.03865857	0.041991206
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.3331039	0.01150028	0.03003396	0.01157673	0.00516038	--	--	0.00475083	--	--	19.0033044	0.00021843	0.0007918	--	--	0.00516038	0.004750826	0.00516038
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.96538508	0.03872573	0.10113558	0.03898317	0.01737693	--	--	0.01599781	--	--	63.9912397	0.00073553	0.0026663	--	--	0.017376931	0.01599781	0.017376931
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.29105312	0.0099445	0.02597091	0.01001061	0.00446228	--	--	0.00410813	--	--	16.4325062	0.00018888	0.00068469	--	--	0.004462275	0.004108127	0.004462275
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	Aux Berthing	Marine Distilate	Berthing	0.71028715	0.02460308	0.18065279	0.00126472	0.01435215	--	--	0.01291693	--	--	111.438876	0.00991327	0.00529847	--	--	0.014352146	0.012916931	0.014352146
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.12133935	0.03422523	0.08938212	0.03445275	0.01535747	--	--	0.01413863	--	--	56.5545064	0.00065005	0.00235644	--	--	0.015357474	0.014138627	0.015357474
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.21851656	0.05781724	0.12354111	0.05820159	0.02594363	--	--	0.02388461	--	--	95.5384561	0.00109814	0.00398077	--	--	0.025943632	0.023884614	0.025943632
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	13.1562449	0.51120022	1.3350433	0.51459851	0.22938471	--	--	0.21117958	--	--	844.718305	0.00970941	0.0351966	--	--	0.229384712	0.211179576	0.229384712
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	1.40726093	0.04858511	0.12688418	0.04890808	0.02180101	--	--	0.02007077	--	--	80.2830826	0.00092279	0.00334513	--	--	0.021801009	0.020070771	0.021801009
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	3.10421635	0.12452342	0.32520362	0.12535121	0.05587589	--	--	0.0514413	--	--	205.765198	0.00236512	0.00857355	--	--	0.055875894	0.051441299	0.055875894
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	TANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0.82148299	0.02806786	0.07330162	0.02825444	0.01259455	--	--	0.01159498	--	--	46.3799332	0.0005331	0.0019325	--	--	0.012594551	0.011594983	0.012594551
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	BANCHOR	Aux Anchorage	Marine Distilate	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.00973866	0.00029724	0.00077627	0.00029922	0.00013338	--	--	0.00012279	--	--	0.49116713	5.6456E-06	2.0465E-05	--	--	0.000133377	0.000122792	0.000133377
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.00690171	0.00032748	0.00069974	0.00032966	0.00014695	--	--	0.00013528	--	--	0.54113263	6.2199E-06	2.2547E-05	--	--	0.000146945	0.000135283	0.000146945
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.1054651	0.00409796	0.01070218	0.0041252	0.00183883	--	--	0.00169289	--	--	6.77155981	7.7834E-05	0.00028215	--	--	0.001838829	0.00169289	0.001838829
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.02526738	0.00087235	0.00227821	0.00087814	0.00039144	--	--	0.00036037	--	--	1.44148322	1.6569E-05	6.0062E-05	--	--	0.000391437	0.000360371	0.000391437
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.03916805	0.0015712	0.00410332	0.00158164	0.00070502	--	--	0.00064907	--	--	2.59628222	2.9842E-05	0.00010818	--	--	0.000705025	0.000649071	0.000705025
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.01733477	0.00059228	0.0015468	0.00059622	0.00026577	--	--	0.00024467	--	--	0.97869998	1.1249E-05	4.0779E-05	--	--	0.000265768	0.000244675	0.000265768
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.00973866	0.00029724	0.00077627	0.00029922	0.00013338	--	--	0.00012279	--	--	0.49116713	5.6456E-06	2.0465E-05	--	--	0.000133377	0.000122792	0.000133377
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.00690171	0.00032748	0.00069974	0.00032966	0.00014695	--	--	0.00013528	--	--	0.54113263	6.2199E-06	2.2547E-05	--	--	0.000146945	0.000135283	0.000146945
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.1054651	0.00409796	0.01070218	0.0041252	0.00183883	--	--	0.00169289	--	--	6.77155981	7.7834E-05	0.00028215	--	--	0.001838829	0.00169289	0.001838829
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.02526738	0.00087235	0.00227821	0.00087814	0.00039144	--	--	0.00036037	--	--	1.44148322	1.6569E-05	6.0062E-05	--	--	0.000391437	0.000360371	0.000391437
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.03916805	0.0015712	0.00410332	0.00158164	0.00070502	--	--	0.00064907	--	--	2.59628222	2.9842E-05	0.00010818	--	--	0.000705025	0.000649071	0.000705025
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0.01733477	0.00059228	0.0015468	0.00059622	0.00026577	--	--	0.00024467	--	--	0.97869998	1.1249E-05	4.0779E-05	--	--	0.000265768	0.000244675	0.000265768
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC1	Aux Transit	Marine Distilate	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.2224844	0.0117138	0.02224844	0.06529917	0.01779875	--	--	0.0163526	--	--	107.014995	0.00022248	0.00834316	--	--	0.017798752	0.016352603	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.04053359	0.00213409	0.00405336	0.01189661	0.00324269	--	--	0.00297922	--	--	19.496659	4.0534E-05	0.00152001	--	--	0.003242688	0.002979219	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.1734756	0.00913349	0.01734756	0.05091509	0.01387805	--	--	0.01275046	--	--	83.441762	0.00017348	0.00650533	--	--	0.013878048	0.012750456	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0.05130161	0.00270103	0.00513016	0.01505702	0.00410413	--	--	0.00377067	--	--	24.6760745	5.1302E-05	0.00192381	--	--	0.004104129	0.003770668	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.04760468	0.00250639	0.00476047	0.01397197	0.00380837	--	--	0.00349894	--	--	22.8978514	4.7605E-05	0.00178518	--	--	0.003808374	0.003498944	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.00867292	0.00045663	0.00086729	0.0025455	0.00069383	--	--	0.00063746	--	--	4.17167332	8.6729E-06	0.00032523	--	--	0.000693833	0.000637459	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.03711833	0.00195428	0.00371183	0.01089423	0.00296947	--	--	0.0027282	--	--	17.8539191	3.7118E-05	0.00139194	--	--	0.002969467	0.002728198	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV_5	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0.01097693	0.00057794	0.00109769	0.00322173	0.00087815	--	--	0.0008068	--	--	5.27990573	1.0977E-05	0.00041164	--	--	0.000878155	0.000806805	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.03145329	0.00165602	0.00314533	0.00923154	0.00251626	--	--	0.00231182	--	--	15.1290325	3.1453E-05	0.0011795	--	--	0.002516263	0.002311817	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.00573036	0.0003017	0.00057304	0.00168186	0.00045843	--	--	0.00042118	--	--	2.75630147	5.7304E-06	0.00021489	--	--	0.000458429	0.000421181	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.02452477	0.00129123	0.00245248	0.00719802	0.00196198	--	--	0.00180257	--	--	11.7964134	2.4525E-05	0.00091968	--	--	0.001961981	0.00180257	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV4	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0.00725266	0.00038185	0.00072527	0.00212866	0.00058021	--	--	0.00053307	--	--	3.48853105	7.2527E-06	0.00027197	--	--	0.000580213	0.000533071	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Boiler Transit	Residual Fuel Oil	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.02187446	0.00115169	0.00218745	0.00642015	0.00174996	--	--	0.00160777	--	--	10.5216168	2.1874E-05	0.00082029	--	--	0.001749957	0.001607773	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.00398523	0.00020982	0.00039852	0.00116966	0.00031882	--	--	0.00029291	--	--	1.91689374	3.9852E-06	0.00014945	--	--	0.000318818	0.000292914	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.01705596	0.000898	0.0017056	0.00500592	0.00136448	--	--	0.00125361	--	--	8.20391797	1.7056E-05	0.0006396	--	--	0.001364477	0.001253613	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0.00504393	0.00026556	0.00050439	0.00148039	0.00040351	--	--	0.00037073	--	--	2.42612915	5.0439E-06	0.00018915	--	--	0.000403514	0.000370729	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC3	Boiler Transit	Residual Fuel Oil	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.01558189	0.00082039	0.00155819	0.00457329	0.00124655	--	--	0.00114527	--	--	7.49489123	1.5582E-05	0.00058432	--	--	0.001246552	0.001145269	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.00283881	0.00014946	0.00028388	0.00083319	0.0002271	--	--	0.00020865	--	--	1.36546601	2.8388E-06	0.00010646	--	--	0.000227105	0.000208652	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.01214952	0.00063967	0.00121495	0.00356588	0.00097196	--	--	0.00089299	--	--	5.84391869	1.215E-05	0.00045561	--	--	0.000971962	0.00089299	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV2	Boiler Transit	Residual Fuel Oil	Maneuvering	0.00359295	0.00018917	0.0003593	0.00105453	0.00028744	--	--	0.00026408	--	--	1.72821103	3.593E-06	0.00013474	--	--	0.000287436	0.000264082	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC2	Boiler Transit	Residual Fuel Oil	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.73732847	0.03882034	0.07373285	0.21640591	0.05898628	--	--	0.05419364	--	--	354.654993	0.00073733	0.02764982	--	--	0.058986277	0.054193642	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.01427285	0.00075147	0.00142728	0.00418908	0.00114183	--	--	0.00104905	--	--	6.86524024	1.4273E-05	0.00053523	--	--	0.001141828	0.001049054	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.42659993	0.02246049	0.04265999	0.12520708	0.03412799	--	--	0.03135509	--	--	205.194564	0.0004266	0.0159975	--	--	0.034127994	0.031355095	0

Operational Summary for Modeling

Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
											Emissions (tons/year or metric tons/year for GHGs)																	
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	BOILER_2	Boiler Berthing	Residual Fuel Oil	Berthing	0.17089076	0.0089974	0.01708908	0.05015644	0.01367126	--	--	0.01256047	--	--	82.198455	0.00017089	0.0064084	--	--	0.013671261	0.012560471	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	Boiler Berthing	Residual Fuel Oil	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	1.39139253	0.07325682	0.13913925	0.40837371	0.1113114	--	--	0.10226735	--	--	669.259806	0.00139139	0.05217722	--	--	0.111311402	0.102267351	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.11284771	0.00594143	0.01128477	0.0331208	0.00902782	--	--	0.00829431	--	--	54.2797468	0.00011285	0.00423179	--	--	0.009027817	0.008294306	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.79194663	0.04169599	0.07919466	0.23243634	0.06335573	--	--	0.05820808	--	--	380.92633	0.00079195	0.029698	--	--	0.063355731	0.058208077	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	TANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0.16200069	0.00852934	0.01620007	0.0475472	0.01296006	--	--	0.01190705	--	--	77.9223327	0.000162	0.00607503	--	--	0.012960055	0.011907051	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	BANCHOR	Boiler Anchorage	Residual Fuel Oil	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.02288545	0.00088924	0.00232232	0.00089515	0.00039902	--	--	0.00036735	--	--	1.46939765	1.689E-05	6.1225E-05	--	--	0.000399017	0.000367349	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.00456639	0.00015765	0.00041172	0.0001587	7.0742E-05	--	--	6.5127E-05	--	--	0.26050901	2.9944E-06	1.0855E-05	--	--	7.07417E-05	6.51273E-05	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.01819682	0.00072995	0.00190633	0.00073481	0.00032754	--	--	0.00030155	--	--	1.20618945	1.3864E-05	5.0258E-05	--	--	0.000327543	0.000301547	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.00692617	0.00023665	0.00061803	0.00023822	0.00010619	--	--	9.7761E-05	--	--	0.39104307	4.4947E-06	1.6293E-05	--	--	0.000106188	9.77608E-05	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.02288545	0.00088924	0.00232232	0.00089515	0.00039902	--	--	0.00036735	--	--	1.46939765	1.689E-05	6.1225E-05	--	--	0.000399017	0.000367349	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.00456639	0.00015765	0.00041172	0.0001587	7.0742E-05	--	--	6.5127E-05	--	--	0.26050901	2.9944E-06	1.0855E-05	--	--	7.07417E-05	6.51273E-05	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.01819682	0.00072995	0.00190633	0.00073481	0.00032754	--	--	0.00030155	--	--	1.20618945	1.3864E-05	5.0258E-05	--	--	0.000327543	0.000301547	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0.00692617	0.00023665	0.00061803	0.00023822	0.00010619	--	--	9.7761E-05	--	--	0.39104307	4.4947E-06	1.6293E-05	--	--	0.000106188	9.77608E-05	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC1	Boiler Transit	Residual Fuel Oil	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	State Boundary to 40-Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV_5	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	40 to 20 Nautical Miles	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV4	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	* N/A	Pump Generator Transit	Diesel	20-Nautical Miles to Precautionary Ar	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC3	Pump Generator Transit	Diesel	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC2	Pump Generator Transit	Diesel	Maneuvering	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	14.8170782	0.45224299	1.18107145	0.45524936	0.20292955	--	--	0.18682403	--	--	747.296115	0.00858961	0.03113734	--	--	0.202929549	0.186824029	0.202929549
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	Pump Generator Berthing	Diesel	Berthing	1.80109801	0.08546007	0.18260699	0.08602818	0.03834747	--	--	0.03530402	--	--	141.216073	0.00162317	0.005884	--	--	0.038347468	0.035304018	0.038347468
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	BOILER_2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	Pump Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	TANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	BANCHOR	Pump Generator Anchorage	Diesel	Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	OGV1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	HC1	Pump Generator Transit	Diesel	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	1.28583882	0.04996267	0.1304818	0.0502948	0.02241915	--	--	0.02063985	--	--	82.5593926	0.00094896	0.00343997	--	--	0.022419145	0.020639848	0.022419145
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.48776654	0.01683994	0.04397895	0.01695189	0.00755638	--	--	0.00695667	--	--	27.8266812	0.00031985	0.00115945	--	--	0.007556383	0.00695667	0.007556383
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.52063418	0.02088487	0.05454263	0.0210237	0.00937142	--	--	0.00862765	--	--	34.5106087	0.00039667	0.00143794	--	--	0.009371415	0.008627652	0.009371415
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.20385044	0.00696502	0.01818975	0.00701132	0.00312533	--	--	0.00287729	--	--	11.5091483	0.00013229	0.00047955	--	--	0.003125329	0.002877287	0.003125329
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ECS Barge	ATB_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	OGV Barge	TUG_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ATB	ATB_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	ATB_H2	Aux Control	Marine Distilate	Control	4.95564599	0.17698736	1.94686093	0.75042639	0.0576506	--	--	0.05309621	--	--	1231.832	0.01415899	0.05132633	--	--	0.057650605	0.053096207	0.057650605
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	ATB_H2	Aux Control	Marine Distilate	Control	0.65255433	0.02330551	0.25636063	0.09881537	0.00759137	--	--	0.00699165	--	--	162.206363	0.00186444	0.0067586	--	--	0.007591372	0.006991654	0.007591372
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	ATB_H2	Aux Control	Marine Distilate	Control	2.0493704	0.0731918	0.8051098	0.31033323	0.02384098	--	--	0.02195754	--	--	509.414929	0.00585534	0.02122562	--	--	0.023840977	0.02195754	0.023840977
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	ATB_H2	Aux Control	Marine Distilate	Control	0.3502601	0.01250929	0.13763574	0.05305232	0.00407469	--	--	0.00375279	--	--	87.0858886	0.00100099	0.00362858	--	--	0.004074687	0.003752787	0.004074687
Annual	tpy	Proposed Project	Controlled	2027	OGVs	ECS Barge	ATB_H2	ECS Barge Generator Control	Diesel	Control	0.09679992	0.16719986	2.59599788	0.07039994	0.002464	--	--	0.0022	--	--	670.559452	0.04663996	0.02111998	--	--	0.002463998	0.002199998	0.002463998
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Bunkering Barge	TUG_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	1.28583882	0.04996267	0.1304818	0.0502948	0.02241915	--	--	0.02063985	--	--	82.5593926	0.00094896	0.00343997	--	--	0.022419145	0.020639848	0.022419145
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.48776654	0.01683994	0.04397895	0.01695189	0.00755638	--	--	0.00695667	--	--	27.8266812	0.00031985	0.00115945	--	--	0.007556383	0.00695667	0.007556383
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.52063418	0.02088487	0.05454263	0.0210237	0.00937142	--	--	0.00862765	--	--	34.5106087	0.00039667	0.00143794	--	--	0.009371415	0.008627652	0.009371415
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	AUX_ENG2	Aux Berthing	Marine Distilate	Berthing	0.20385044	0.00696502	0.01818975	0.00701132	0.00312533	--	--	0.00287729	--	--	11.5091483	0.00013229	0.00047955	--	--	0.003125329	0.002877287	0.003125329
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ECS Barge	ATB_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	ECS Barge Generator Berthing	Diesel	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	OGV Barge	TUG_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ATB	ATB_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	ATB_H2	Aux Control	Marine Distilate	Control	4.95564599	0.17698736	1.94686093	0.75042639	0.0576506	--	--	0.05309621	--	--	1231.832	0.01415899	0.05132633	--	--	0.057650605	0.053096207	0.057650605
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	ATB_H2	Aux Control	Marine Distilate	Control	0.65255433	0.02330551	0.25636063	0.09881537	0.00759137	--	--	0.00699165	--	--	162.206363	0.00186444	0.0067586	--	--	0.007591372	0.006991654	0.007591372
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	ATB_H2	Aux Control	Marine Distilate	Control	2.0493704	0.0731918	0.8051098	0.31033323	0.02384098	--	--	0.02195754	--	--	509.414929	0.00585534	0.02122562	--	--	0.023840977	0.02195754	0.023840977
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	ATB_H2	Aux Control	Marine Distilate	Control	0.3502601	0.01250929	0.13763574	0.05305232	0.00407469	--	--	0.00375279	--	--	87.0858886	0.00100099	0.00362858	--	--	0.004074687	0.003752787	0.004074687
Annual	tpy	Proposed Project	Controlled	2057	OGVs	ECS Barge	ATB_H2	ECS Barge Generator Control	Diesel	Control	0.09679992	0.16719986	2.59599788	0.07039994	0.002464	--	--	0.0022	--	--	670.559452	0.04663996	0.02111998	--	--	0.002463998	0.002199998	0.002463998
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Bunkering Barge	TUG_H2	ECS Barge Generator Control	Diesel	Control	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Handymax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	1.17472632	0.05873632	0.58736316	1.72391087	0.09566175	--	--	0.08810447	--	--	2825.2168	0.00587363	0.22026118	--	--	0.095661752	0.088104474	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Chemical	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.02436573	0.00121829	0.01218286	0.03575671	0.00198418	--	--	0.00182743	--	--	58.5995796	0.00012183	0.00456857	--	--	0.00198418	0.00182743	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Panamax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.67920663	0.03396033	0.33960331	0.99673573	0.05530999	--	--	0.0509405	--	--	1633.49194	0.00339603	0.12735124	--	--	0.055309986	0.050940497	0
Annual	tpy	Proposed Project	Controlled	2027	OGVs	Tanker - Aframax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.18113091	0.00905655	0.09056545	0.2658096	0.01475007	--	--	0.01358482	--	--	435.619828	0.00090565	0.03396204	--	--	0.014750074	0.013584818	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Handymax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	1.17472632	0.05873632	0.58736316	1.72391087	0.09566175	--	--	0.08810447	--	--	2825.2168	0.00587363	0.22026118	--	--	0.095661752	0.088104474	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Chemical	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.02436573	0.00121829	0.01218286	0.03575671	0.00198418	--	--	0.00182743	--	--	58.5995796	0.00012183	0.00456857	--	--	0.00198418	0.00182743	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Panamax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.67920663	0.03396033	0.33960331	0.99673573	0.05530999	--	--	0.0509405	--	--	1633.49194	0.00339603	0.12735124	--	--	0.055309986	0.050940497	0
Annual	tpy	Proposed Project	Controlled	2057	OGVs	Tanker - Aframax	ATB_H2	Boiler Control	Residual Fuel Oil	Control	0.18113091	0.00905655	0.09056545	0.2658096	0.01475007	--	--	0.01358482	--	--	435.619828	0.00090565	0.03396204	--	--	0.014750074	0.013584818	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	ULSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	* N/A	Propulsion Transit	ULSD	All Zones	0.36555331	0.01221231	0.18607443	0.00203433	0.00835383	--	--	0.00751845	--	--	179.251504	0.00104472	0.00852269	--	--	0.008353833	0.007518449	0.008353833

Operational Summary for Modeling

											Emissions (tons/year or metric tons/year for GHGs)																
Period	Unit	Scenario	Added Control	Calendar Year	Source Type	Source Category	AERMOD Source Group	Type	Fuel	Location	NOx	VOC	CO	SO2	PM10exh	PM10TW	PM10BW	PM2.5exh	PM2.5TW	PM2.5BW	CO2	CH4	N2O	PM10fug	PM2.5fug	PM10total	PM2.5total	DPM
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.1869659	0.00647617	0.04755248	0.00033291	0.00377786	--	--	0.00340007	--	--	29.3335872	0.00260943	0.0013947	--	--	0.00377855	0.00340007	0.00377855
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	* N/A	Propulsion Transit	LSD	All Zones	0.02631199	0.00087969	0.01140354	0.00014654	0.00096175	--	--	0.00054158	--	--	12.9120657	7.5254E-05	0.00061393	--	--	0.00096154	0.00054178	0.00096154
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.01346776	0.00046651	0.00342536	2.398E-05	0.00027213	--	--	0.00024492	--	--	2.11299318	0.00018797	0.00010044	--	--	0.00027213	0.00024492	0.00027213
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	* N/A	Propulsion Transit	LSD	All Zones	0.25002838	0.00886896	0.11235999	0.00144708	0.00594232	--	--	0.00534859	--	--	127.506549	0.00074314	0.00606243	--	--	0.00594237	0.00534885	0.00594237
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.13299412	0.00460668	0.03382542	0.00023681	0.00268739	--	--	0.00241897	--	--	20.8656077	0.00185618	0.00099209	--	--	0.00268729	0.00241858	0.00268729
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	LSD	All Zones	0.68792317	0.02298199	0.35916756	0.00338284	0.01572081	--	--	0.01414873	--	--	337.327716	0.00196602	0.01603859	--	--	0.01572081	0.01414873	0.01572081
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	LSD	All Zones	0.3518452	0.01218729	0.08948749	0.00062649	0.00710943	--	--	0.00639848	--	--	55.2019469	0.00049106	0.00262463	--	--	0.00710942	0.00639843	0.00710942
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	TUG_H2	Propulsion Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	TUG_H2	Auxiliary Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	TUG_H2	Propulsion Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	TUG_H2	Auxiliary Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	TUG_H2	Propulsion Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	TUG_H2	Auxiliary Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	TUG_H2	Propulsion Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	TUG_H2	Auxiliary Berthing	LSD	Berthing	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	* N/A	Propulsion Transit	LSD	All Zones	0.37046606	0.01237644	0.18857512	0.00203433	0.00884651	--	--	0.00761949	--	--	179.251504	0.00104472	0.00852269	--	--	0.00884651	0.00761949	0.00884651
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.18656221	0.00646218	0.0474498	0.00033291	0.00037697	--	--	0.00033273	--	--	29.3335872	0.00260943	0.0013947	--	--	0.00037696	0.00033272	0.00037696
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	* N/A	Propulsion Transit	LSD	All Zones	0.02668587	0.00088511	0.01153838	0.00014654	0.00096984	--	--	0.00054886	--	--	12.9120657	7.5254E-05	0.00061393	--	--	0.00096984	0.00054887	0.00096984
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.01343868	0.00460549	0.03341786	2.398E-05	0.00027154	--	--	0.00024439	--	--	2.11299318	0.00018797	0.00010044	--	--	0.00027154	0.00024438	0.00027154
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	* N/A	Propulsion Transit	LSD	All Zones	0.26352295	0.00880371	0.1141388	0.00144708	0.00602218	--	--	0.00541996	--	--	127.506549	0.00074314	0.00606243	--	--	0.00602217	0.00541995	0.00602217
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	* N/A	Auxiliary Transit	LSD	All Zones	0.13270696	0.00459673	0.03375238	0.00023681	0.00268149	--	--	0.00241194	--	--	20.8656077	0.00185616	0.00099209	--	--	0.00268149	0.00241133	0.00268149
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	* N/A	Propulsion Transit	LSD	All Zones	0.69716832	0.02320683	0.35487354	0.00338284	0.01553209	--	--	0.01431888	--	--	337.327716	0.00196602	0.01603859	--	--	0.01553208	0.01431888	0.01553208
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	* N/A	Auxiliary Transit	LSD	All Zones	0.35108551	0.01216098	0.08829428	0.00062649	0.00709408	--	--	0.00638467	--	--	55.2019469	0.00049106	0.00262463	--	--	0.00709404	0.00638466	0.00709404
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.06597551	0.00220409	0.03358294	0.00036736	0.00150771	--	--	0.00135694	--	--	32.3515304	0.00018855	0.00153819	--	--	0.00150771	0.00135695	0.00150771
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.03374383	0.00116883	0.00858233	6.038E-05	0.00068183	--	--	0.00061365	--	--	5.29416166	0.00047095	0.00025172	--	--	0.00068182	0.00061364	0.00068182
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.00164939	5.5102E-05	0.00083957	9.179E-06	3.769E-05	--	--	3.392E-05	--	--	0.80878826	4.7138E-06	3.845E-05	--	--	3.769276E-05	3.392358E-05	3.769276E-05
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.0009436	2.9221E-05	0.00021456	1.502E-06	1.704E-05	--	--	1.534E-05	--	--	0.13235404	1.1774E-06	6.2929E-06	--	--	1.704588E-05	1.534128E-05	1.704588E-05
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.01896796	0.00063368	0.0096551	0.00010556	0.00043347	--	--	0.00039012	--	--	9.30106499	5.4209E-05	0.00044223	--	--	0.00043346	0.00039012	0.00043346
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.00697035	0.00033604	0.00246742	1.727E-05	0.00019603	--	--	0.00017642	--	--	1.52207148	0.0001354	7.236E-05	--	--	0.00019602	0.00017624	0.00019602
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.11770181	0.00393215	0.05991273	0.00065502	0.00268979	--	--	0.00242081	--	--	57.7158682	0.00033638	0.00274416	--	--	0.00268978	0.00242081	0.00268978
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.06013977	0.00208521	0.03133107	0.00010719	0.00117164	--	--	0.00105476	--	--	9.44490516	0.00084019	0.00044907	--	--	0.00117164	0.00105476	0.00117164
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.10602056	0.00354224	0.05397182	0.00059007	0.00242307	--	--	0.00218076	--	--	51.9927932	0.00030303	0.00247206	--	--	0.00242307	0.00218764	0.00242307
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.05423039	0.00187844	0.01179283	9.656E-05	0.00108579	--	--	0.00098121	--	--	8.50835335	0.00075688	0.00040454	--	--	0.00108578	0.00098207	0.00108578
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.00847844	0.00028325	0.00431571	4.718E-05	0.00019375	--	--	0.00017438	--	--	4.1574607	2.4231E-05	0.00019765	--	--	0.00019375	0.00017474	0.00019375
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.00433638	0.0001502	0.00110291	7.721E-06	8.762E-05	--	--	7.885E-05	--	--	0.68034707	6.0522E-06	3.2348E-05	--	--	8.76215E-05	7.885938E-05	8.76215E-05
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.03837462	0.00279705	0.04261762	0.00046593	0.00191332	--	--	0.00172199	--	--	41.0549244	0.00023928	0.001951	--	--	0.00191332	0.00172199	0.00191332
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.00428279	0.00148327	0.0108912	7.634E-05	0.00096526	--	--	0.00086874	--	--	6.7184735	0.00059765	0.00031944	--	--	0.00096526	0.00086526	0.00096526
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC2	Propulsion Transit	LSD	Maneuvering	0.2214593	0.00739978	0.11274787	0.00123266	0.00506183	--	--	0.00455565	--	--	108.613661	0.00063302	0.00516415	--	--	0.00506182	0.00455646	0.00506182
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	LSD	Maneuvering	0.11328804	0.0039241	0.02881342	0.00020172	0.00228911	--	--	0.00205932	--	--	17.7740673	0.00158113	0.00084509	--	--	0.00228911	0.00205932	0.00228911
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.12478515	0.00638016	0.1261617	0.00137931	0.00566404	--	--	0.00509764	--	--	121.535636	0.00070834	0.00577853	--	--	0.00566404	0.00509765	0.00566404
Annual	tpy	Proposed Project	Controlled	2027	HC	Tanker Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.12676613	0.00439095	0.03224141	0.00022572	0.00255145	--	--	0.00230533	--	--	19.8886821	0.00176924	0.00094563	--	--	0.00256145	0.00230536	0.00256145
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ECS Barge Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.01785355	0.00059645	0.00908794	9.935E-05	0.000408	--	--	0.0003672	--	--	8.754605	5.1024E-05	0.00041625	--	--	0.00040799	0.00036719	0.00040799
Annual	tpy	Proposed Project	Controlled	2027	HC	ITB/ATB Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.00951317	0.00031629	0.00232245	1.625E-05	0.00018451	--	--	0.00016606	--	--	1.43264611	0.00012744	6.811E-05	--	--	0.00018451	0.00016059	0.00018451
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.17630376	0.00588991	0.08974237	0.00098114	0.00402899	--	--	0.00362609	--	--	86.4517244	0.00050388	0.00411043	--	--	0.00402899	0.00362695	0.00402899
Annual	tpy	Proposed Project	Controlled	2027	HC	OGV Barge Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.09017312	0.00312441	0.02293422	0.00015056	0.00182203	--	--	0.00163983	--	--	14.1473803	0.00125851	0.00067265	--	--	0.00182203	0.00163929	0.00182203
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC3	Propulsion Transit	LSD	Precautionary Area	0.46642387	0.01558217	0.23741969	0.00259568	0.01065898	--	--	0.00959309	--	--	228.714056	0.001333	0.01087444	--	--	0.01065898	0.00959388	0.01065898
Annual	tpy	Proposed Project	Controlled	2027	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	LSD	Precautionary Area	0.23855716	0.00826319	0.06067408	0.00042477	0.00482031	--	--	0.00433828	--	--	37.4278796	0.00332947	0.00177955	--	--	0.00482031	0.00433828	0.00482031
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.05688217	0.00223371	0.03403427	0.00036716	0.00152797	--	--	0.00137518	--	--	12.3151304	0.00018855	0.00153819	--	--	0.00152797	0.00137517	0.00152797
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.03367098	0.00111663	0.0085638	6.084E-05	0.00068096	--	--	0.00061232	--	--	5.29416166	0.00047095	0.00025172	--	--	0.00068095	0.00061234	0.00068095
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.00167155	5.5843E-05	0.00085086	9.179E-06	3.819E-05	--	--	3.437E-05	--	--	0.80878826	4.7138E-06	3.845E-05	--	--	3.819936E-05	3.437948E-05	3.819936E-05
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.00084177	2.9158E-05	0.00021409	1.502E-06	1.700E-05	--	--	1.530E-05	--	--	0.13235404	1.1774E-06	6.2929E-06	--	--	1.700E-05	1.530E-05	1.700E-05
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0.01922287	0.00064219	0.00978485	0.00010556	0.00043929	--	--	0.00039536	--	--	9.30106499	5.4209E-05	0.00044223	--	--	0.00043929	0.00039535	0.00043929
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0.00968041	0.00033531	0.00246209	1.727E-05	0.00019556	--	--	0.00017604	--	--	1.52207148	0.0001354	7.236E-05	--	--	0.00019556	0.00017604	0.00019556
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC1	Propulsion Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC1	Auxiliary Transit	LSD	Precautionary Area to Anchorage	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.11928863	0.003985	0.06071791	0.00065502	0.00272594	--	--	0.00245334	--	--	57.7158682	0.00033638	0.00274416	--	--	0.00272593	0.00245334	0.00272593
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.06000699	0.00208071	0.03127801	0.00010719	0.00121378	--	--	0.0010924	--	--	9.44490516	0.00084019	0.00044907	--	--	0.00121377	0.0010924	0.00121377
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.10745553	0.00358985	0.05469716	0.00059007	0.00245564	--	--	0.00221007	--	--	51.9927932	0.00030303	0.00247205	--	--	0.00245565	0.00221007	0.00245565
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.05541131	0.00187439	0.01176305	9.656E-05	0.00110542	--	--	0.00099898	--	--	8.50835335	0.00075688	0.00040454	--	--	0.00099898	0.00100942	0.00099898
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.00850239	0.00028705	0.00437371	4.718E-05	0.00019635	--	--	0.00017672	--	--	4.1574607	2.4231E-05	0.00019765	--	--	0.00019635	0.00017672	0.00019635
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.00432702	0.00014988	0.0011052	7.721E-06	8.743E-05	--	--	7.868E-05	--	--	0.68034707	6.0522E-06	3.2348E-05	--	--	8.74323E-05	7.86891E-05	8.74323E-05
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC2	Propulsion Transit	LSD	Maneuvering	0.03848981	0.00283464	0.04319036	0.00046593	0.00191004	--	--	0.00171913	--	--	41.0549244	0.00023928	0.001951	--	--	0.00191003	0.00171913	0.00191003
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC2	Auxiliary Transit	LSD	Maneuvering	0.04272933	0.00148007	0.01086768	7.624E-05	0.00086339	--	--	0.00077705	--	--	6.7184735	0.00059765	0.00031945	--	--	0.00086339	0.00077705	0.00086339
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC2	Propulsion Transit	LSD	Maneuvering	0.22447608	0.00749924	0.11426311	0.00123266	0.00512986	--	--	0.00461687	--	--	108.613661	0.00063302	0.00516415	--	--	0.00512985	0.00461687	0.00512985
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC2	Auxiliary Transit	LSD	Maneuvering	0.11304143	0.00391562	0.0287512	0.00020172	0.00228417	--	--	0.00205575	--	--	17.7740673	0.00158113	0.00084509	--	--	0.00228416	0.00205575	0.00228416
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.25118243	0.00839144	0.12785721	0.00137931	0.00574016	--	--	0.00516615	--	--	121.535636	0.00070834	0.00577853	--	--	0.00574016	0.00516614	0.00574016
Annual	tpy	Proposed Project	Controlled	2057	HC	Tanker Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.12640242	0.00438147	0.03217179	0.00022572	0.00255592	--	--	0.00230033	--	--	19.8886821	0.00176924	0.00094563	--	--	0.00255592	0.00230329	0.00255592
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ECS Barge Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0	0	0	0	0	--	--	0	--	--	0	0	0	--	--	0	0	0
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.01809348	0.00060446	0.00920997	9.935E-05	0.00041348	--	--	0.00037213	--	--	8.754605	5.1024E-05	0.00041625	--	--	0.00041348	0.00037214	0.00041348
Annual	tpy	Proposed Project	Controlled	2057	HC	ITB/ATB Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.00961166	0.00031561	0.00231744	1.625E-05	0.00018411	--	--	0.00016567	--	--	1.43264611	0.00012744	6.811E-05	--	--	0.00018411	0.00016057	0.00018411
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC3	Propulsion Transit	LSD	Precautionary Area	0.17867314	0.00596907	0.09094844	0.00098114	0.00408314	--	--	0.00367485	--	--	86.4517244	0.00050388	0.00411043	--	--	0.00408314	0.00367482	0.00408314
Annual	tpy	Proposed Project	Controlled	2057	HC	OGV Barge Assist	HC3	Auxiliary Transit	LSD	Precautionary Area	0.09139763	0.00311666	0.0228847	0.00016096	0.0018181	--	--	0.00163629	--	--	14.1473803	0.00125851	0.00067265	--	--	0.00181809	0.00163629	0.00181809
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC3	Propulsion Transit	LSD	Precautionary Area	0.47250224	0.01579156	0.24061043	0.00259568	0.01080223	--	--	0.00972201	--	--	228.714056	0.001333	0.01087444	--	--	0.01080223	0.00972209	0.01080223
Annual	tpy	Proposed Project	Controlled	2057	HC	Bunkering Barge Ass	HC3	Auxiliary Transit	LSD	Precautionary Area	0.23804208	0.00824535	0.06054307	0.00042477	0.00480991	--	--	0.00432892	--	--	37.4278796	0.00332947	0.00177955	--	--	0.00480991	0.00432892	0.00480991