



# COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

## 2019 Annual Report

September 2020

Countywide Summary Plan &  
Countywide Siting Element



*Public Works*  
LOS ANGELES COUNTY

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**2019 Annual Report**  
County of Los Angeles Countywide Integrated Waste Management Plan

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**ACRONYMS AND GLOSSARY OF TERMS**

|                      |                                                                                                  |
|----------------------|--------------------------------------------------------------------------------------------------|
| ADC                  | Alternative Daily Cover                                                                          |
| County               | County of Los Angeles (Los Angeles County)                                                       |
| CSE                  | Countywide Siting Element (Siting Element)                                                       |
| LUP/CUP              | Land Use Permit/Conditional Use Permit                                                           |
| DRS                  | Disposal Reporting System                                                                        |
| EIR                  | Environmental Impact Report                                                                      |
| EMSW                 | Engineered Municipal Solid Waste                                                                 |
| EPR                  | Extended Producer Responsibility                                                                 |
| FOC                  | Finding of Conformance                                                                           |
| IDEFO                | Inert Debris Engineered Fill Operation                                                           |
| LARA                 | Los Angeles Regional Agency also known as Los Angeles Area Integrated Waste Management Authority |
| LEA                  | Local Enforcement Agency                                                                         |
| Public Works         | County of Los Angeles Department of Public Works                                                 |
| PPD                  | Pounds per Person per Day                                                                        |
| Regional Planning    | County of Los Angeles Department of Regional Planning                                            |
| Sanitation Districts | Sanitation Districts of Los Angeles County                                                       |
| SRRE                 | Source Reduction and Recycling Element                                                           |
| Summary Plan         | Los Angeles County Countywide Integrated Waste Management Summary Plan                           |
| SWFP                 | Solid Waste Facility Permit                                                                      |
| SWIMS                | Solid Waste Information Management System                                                        |
| Task Force           | Los Angeles County Solid Waste Management Committee/Integrated Waste Management Task Force       |
| TPD                  | Tons per Day, Based on 6 Operating Days per Week (tpd-6)                                         |
| TPW                  | Tons per Week                                                                                    |
| TPY                  | Tons per Year                                                                                    |
| UCLA                 | University of California, Los Angeles                                                            |
| CalRecycle           | California Department of Resources Recycling and Recovery                                        |

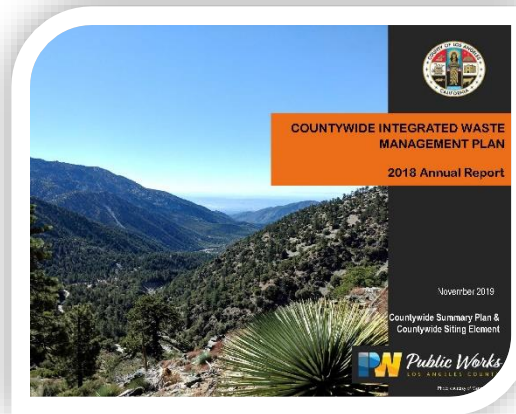
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#### WHAT IS THE ANNUAL REPORT

The California Integrated Waste Management Act of 1989, also known as Assembly Bill 939 (AB 939), mandates jurisdictions to meet a diversion goal of 50 percent by the year 2000, and thereafter. In addition, each county is also required to prepare and administer a Countywide Integrated Waste Management Plan. This plan is comprised of the County's and its cities solid waste reduction planning documents, an Integrated Waste Management Summary Plan (Summary Plan), and a Countywide Siting Element (CSE). To assess compliance with AB 939, the Disposal Reporting System (DRS) was established to measure the amount of disposal from each jurisdiction. Comparing current disposal rates to base-year solid waste generation determines whether each jurisdiction complies with the diversion mandate.

The County of Los Angeles Department of Public Works (Public Works) is responsible for preparing the Summary Plan and the CSE. These documents were approved by the County, the County's cities containing a majority of the County's population, the County Board of Supervisors (Board), and the California Department of Resources, Recycling, and Recovery (CalRecycle).



The Summary Plan, approved by CalRecycle on June 23, 1999, describes the steps to be taken by local agencies, acting independently and in concert, to achieve the state mandated diversion rate by integrating strategies aimed toward reducing, reusing, recycling, diverting, and marketing solid waste generated within the County.

The CSE, approved by CalRecycle on June 24, 1998, identifies how the County and its cities would meet their long-term disposal capacity needs for a 15-year planning period to safely handle solid waste generated in the County that cannot be reduced, recycled, or composted.

The Electronic Annual Report (EAR), which contains an assessment of the Summary Plan and Siting Element, was submitted to CalRecycle on October 13, 2020.

The purpose of the Annual Report is to provide an annual update to the Summary Plan and CSE. Public Works prepares the Annual Report to summarize the changes in solid waste management that have taken place since the approval of the Summary Plan and the CSE, including updated strategies to meet the long-term needs and maintain adequate disposal capacity.

**SUMMARY PLAN AND SITING ELEMENT ASSESSMENT  
ELECTRONIC ANNUAL REPORT (EAR)**

**Summary Plan Assessment**

**Summary Plan**

**1. Question:**

Does the Summary Plan need to be revised?

**Response:**

No.

**Siting Element Assessment**

**Total County or Agency Wide Disposal Capacity**

**1. Question:**

Based on the best available estimates of current and future disposal, how many years of disposal capacity does your county or regional agency have?

**Response:**

15

**Total County or Agency Wide Disposal Capacity**

**2. Question:**

If you do not currently have 15 years of disposal capacity, describe your strategy for obtaining 15 years of capacity?

**Response:**

Not applicable.

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**Siting Element Adequacy**

**3. Question:**

Does the Siting Element need to be revised? The Siting Element will need to be revised if you have less than 15 years disposal capacity and have not described a strategy for obtaining 15 years disposal capacity.

**Response:**

Yes.

As discussed in the Five-Year Review Report and approved by CalRecycle in October 2020, the County of Los Angeles Department of Public Works is currently revising the Siting Element and anticipates releasing it to the public for review and comment early 2021. On June 16, 2014, an Initial Study and Notice of Preparation for the Siting Element Revision were released to all responsible agencies and interested parties for review and comment. Additionally, detailed analyses will be included in the 2019 Annual Report of the Los Angeles County Countywide Integrated Waste Management Plan, which will be submitted to CalRecycle separately. The Annual Report will describe the County's strategy to meet the future disposal demand.

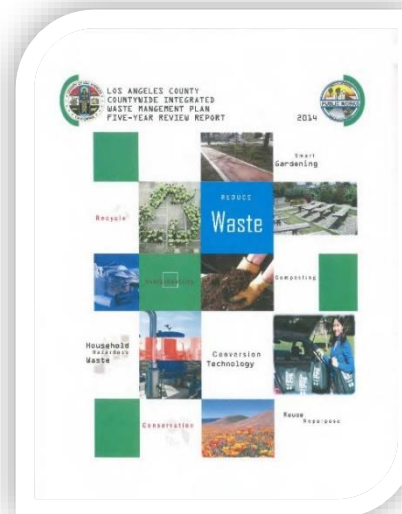
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#### SUMMARY PLAN

The Summary Plan, approved by CalRecycle in 1999, was prepared by the County to describe the steps to be taken by individual jurisdictions, acting independently and in concert, to achieve the 50 percent waste diversion mandate. Since 1999, the County and its cities have experienced several changes in regional solid waste management, demographics, economics, and public awareness of environmental stewardship. The County and cities continue to enhance and expand their waste reduction efforts while also adapting these strategies to changing conditions.

Individual jurisdictions within the County of Los Angeles continue to implement and enhance waste reduction, recycling, special waste, and public education programs identified in their Source Reduction and Recycling Elements, Household Hazardous Waste Element, and Non-Disposal Facility Element (as updated through their Annual Reports). Through the Countywide and regional programs implemented by the County and the cities, most jurisdictions have already met the 50 percent mandate and achieved significant, measurable results.



The County's latest Five-Year Review Report was approved by CalRecycle on October 13, 2020 and determined that an update to the Summary Plan was not necessary.

The following section is a summary discussion on the various regional solid waste issues that currently play a significant role in the County's continuing solid waste management efforts, including recent legislation, markets for recyclable materials, development of alternative technology facilities, diversion credit for such facilities, and the State's 75 percent recycling goal.

## REGIONAL SOLID WASTE ISSUES

### Disposal Trend

While the economy has shown signs of improvement in recent years, the amount of waste that residents and businesses generated and disposed of in the County continued to remain relatively low due to various factors. Figure 1 shows a downward disposal trend from 2009 to 2011, with a plateau between the years 2011 through 2014, an increase from 2014 to 2018, and another slight plateau from 2018 to the present.

**Figure 1: Disposal Trend**

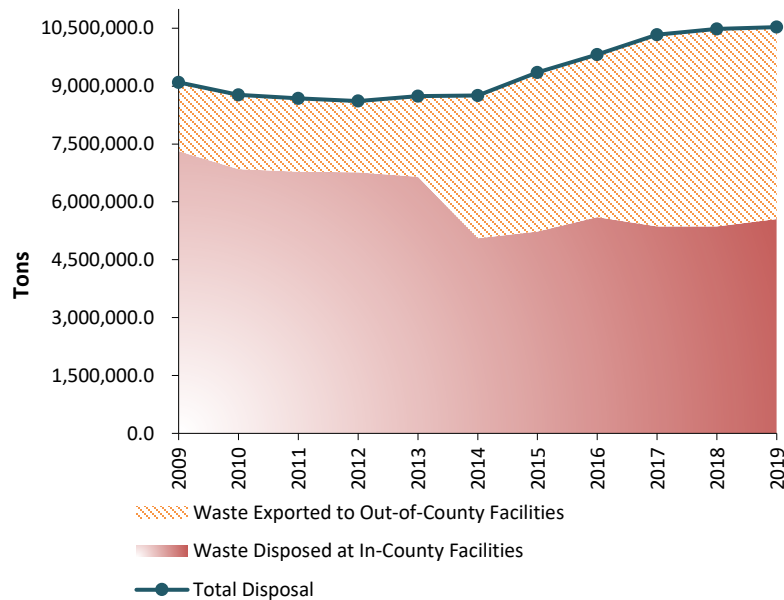
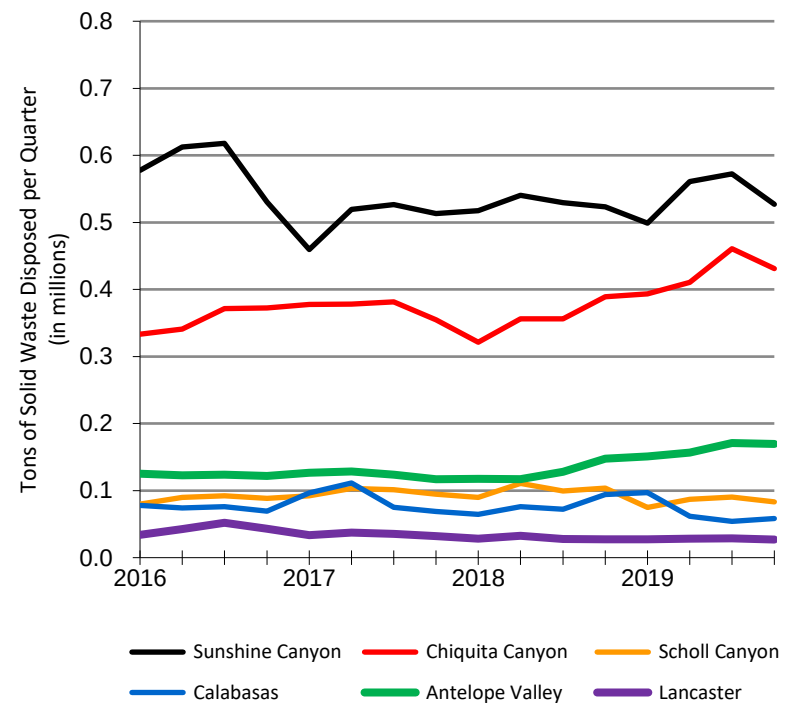


Figure 2 shows the disposal trends of major landfills within the County.

**Figure 2: Disposal Trend at Major Landfills**



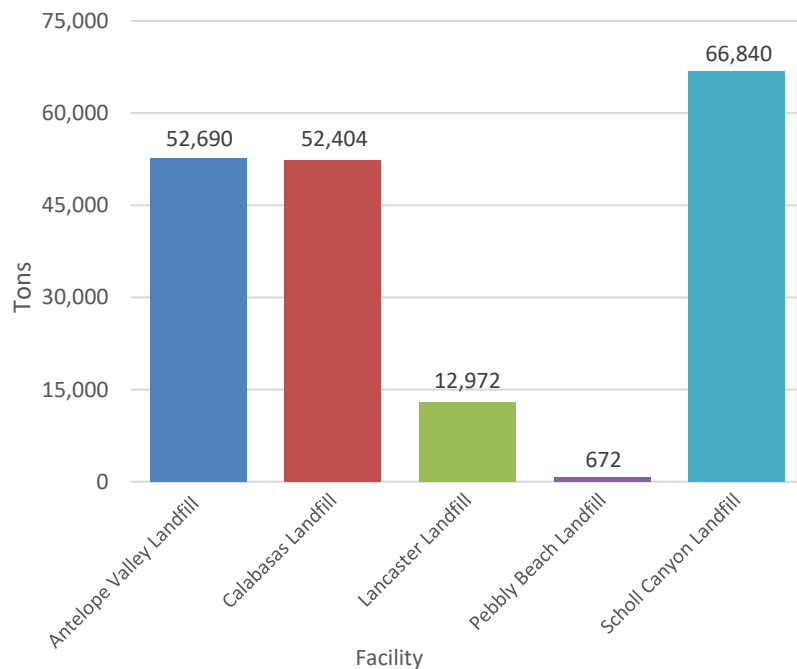
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#### Green Waste as Alternative Daily Cover

Due to the closure of Puente Hills Landfill in October 2013, jurisdictions that once depended on the facility to recycle their green waste as alternative daily cover (ADC) looked to other sites to recycle or compost their green waste. Figure 3 shows the amount of green waste used as ADC at in-County landfills.

**Figure 3: Use of Green Waste as ADC in 2019**



Since the closure of Puente Hills, the County, the cities, and the waste management industry have been working towards

developing alternatives for managing green waste. However, there are many challenges associated with green waste management, such as green waste capacity within the County due to difficulties in permitting and developing composting facilities, limited markets for compost made from green waste, and costs for long-distance transportation to out-of-County facilities and operations.

In addition, Assembly Bill 1594 (AB 1594, Williams), which was signed by Governor Brown on September 28, 2014, provides that on and after January 1, 2020, green waste used as ADC will no longer receive diversion credit and will be considered disposal for purposes of AB 939. The passage of this bill encourages the County, the cities, and the waste management industry to develop alternatives for managing green waste.

#### Adequacy of Permitted Disposal Capacity

As detailed in the section titled **Strategy for Maintaining Adequate Disposal Capacity** (Page 37), a shortfall in permitted solid waste disposal capacity within the County is not anticipated to occur within the next 15 years under current conditions. To meet disposal capacity needs during the planning period, jurisdictions in the County must further increase their waste reduction and diversion efforts, continue to encourage the development of alternative technologies, support the exportation of waste to out-of-County facilities, utilize the Waste-by-Rail system to Mesquite Regional Landfill, and, if found to be environmentally sound and technically feasible, expand in-County Class III landfill capacity.

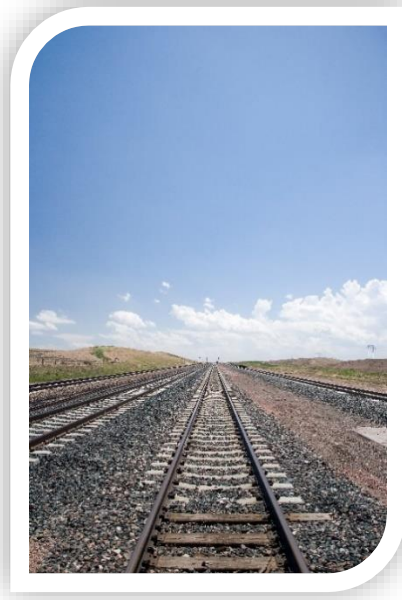
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#### Waste-by-Rail System

The Waste-by-Rail (WBR) system is comprised of a remote intermodal yard and disposal facility, local materials recovery facilities/transfer stations, a local intermodal rail yard, and rail transportation. The starting point of the waste-by-rail system is the Puente Hills Intermodal Facility (PHIMF), located near the Puente Hills Materials Recovery Facility. Residual waste from materials recovery facilities and transfer stations located throughout the County will be loaded onto rail carts at the PHIMF, and then transported via rail to the Mesquite Regional Landfill (MRL) for disposal.

The Sanitation Districts have completed planning and development of all the WBR system components except for the local intermodal facility which is currently under construction. Upon completion, the PHIMF will facilitate intermodal transfer of containers of up to two trains per day, or approximately 8,000 tpd of municipal solid waste.



The operation of the MRL and WBR is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills, and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fees make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the disposal analysis, the WBR system is assumed to begin its operation in 2024.

The WBR system will help ensure that solid waste disposal services continue to be provided to jurisdictions in Los Angeles County without interruption throughout the 15-year planning period, as well as into the future.

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#### Los Angeles County's Roadmap to a Sustainable Waste Management Future

On October 21, 2014, the Board adopted the Roadmap to a Sustainable Waste Management Future (Roadmap), that established a goal to divert 80-percent of solid waste generated in the unincorporated County areas from landfills by 2025, 90-percent by 2035, and 95-percent or more by 2045. The County's efforts to achieve waste diversion are guided by the new waste management paradigm, which places a greater emphasis on source reduction, reuse, recycling, and otherwise maximizing the benefits and use of materials over disposal. The County continues to make progress towards implementing the initiatives outlined in the Roadmap. However, recent developments impacting the solid waste management system present strong challenges to continued progress. These

include strong economic activity in the County's unincorporated areas (with a corresponding increase in waste generation), unstable Statewide recycling markets, and new recycling laws and mandates. To help address some of these challenges, Public Works began revising the Roadmap during the last quarter of 2019.

The updated Roadmap will provide an updated platform for addressing waste management in alignment with the County's Sustainability Plan, as well as reflecting the state of the waste industry.

The continued implementation of the Roadmap's initiatives over the next few years, such as organic waste recycling, and the implementation of new ordinances, will help the County continue to make strides towards achieving the Roadmap's goal of 80-percent diversion by 2025.

Some of the noteworthy waste diversion achievements during this reporting period include:

- The Plastic Straw Ordinance (Ordinance) which the Board adopted, became effective on January 1, 2019, in County Unincorporated Communities and at County facilities.
- Public Works developed a "Waste-Free Event Guide" for the general public and stakeholders which can be found on the Public Works Roadmap and CleanLA.com websites.



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- Thirty-nine Bigbelly dual units (trash and recyclables) were placed in key locations throughout the Belvedere Garbage Disposal District.
- On February 20, 2019, Public Works, in collaboration with CalRecycle, hosted a Southern California regional Senate Bill 1383 (SB 1383) Public Education meeting.
- The County has met the milestone of 200 tons per day of in-County waste conversion capacity and is on track to achieve the next milestone of 500 tons per day in-County waste conversion capacity by 2025
- The Board adopted a motion directing the Chief Sustainability Office, in coordination with Public Works and other County entities, to complete a report on the management of single-use plastic food service ware waste in Los Angeles County and draft an ordinance to reduce the use of single-use plastic food service ware.

#### Los Angeles County's Conversion Technology Efforts

To address the fraction of the waste stream that cannot be feasibly recycled, the development of conversion technology (CT) facilities is a vital aspect of the new paradigm and necessary to achieve a sustainable waste management future. Through the County's CT Program, Public Works continues to support and advance the efforts to establish CT facilities in Los Angeles County. The goal is to establish clear definitions in statute that promote the highest and best use of resources while supporting the State's key environmental goals.

Public Works serves as the chair of the Los Angeles County Integrated Waste Management Task Force's Alternative Technology Advisory Subcommittee. This group evaluates and promotes the development of CT projects in Southern California, such as the ones described below.

#### **CR&R Waste and Recycling Services Anaerobic Digestion Facility**

CR&R Waste and Recycling Services has begun operating the first two phases of an anaerobic digestion (AD) facility at their material recovery facility (MRF) and transfer station in Perris, CA. The facility has plans to scale up in four equal phases and ultimately digest up to 335,000 tons per year (tpy). Phases I and II have a total capacity of 167,500 tpy. CR&R may begin construction on the third phase if there is enough available feedstock. This project turns residential green waste and food waste into fuel that is used by the company's waste collection vehicles or into biomethane that is injected into the natural gas pipeline. In addition, CR&R has completed construction of an on-site organic waste MRF that is now fully operational. Public Works assisted CR&R in obtaining funding and provided technical assistance to the developers.

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#### Sanitation Districts of Los Angeles County - Food Waste Processing

The Sanitation Districts of Los Angeles County (Sanitation Districts) use a DODA® bio-separator food waste pre-processing technology at the Puente Hills MRF (PHMRF) to remove contaminants from source-separated food waste. The capacity of the bio-separator is 165 tpd of food waste and it currently processes an average of 35 tpd of food waste. The food waste is processed into a slurry at the PHMRF and then transported to the Districts' Joint Water Pollution Control Plant (JWPCP) in Carson, CA for co-digestion.

The Sanitation Districts continue to expand their food waste co-digestion project at JWPCP. The existing Liquid Waste Disposal Station at the front end of JWPCP has a capacity of 350 tpd of food waste slurry and receives food waste through various contracts. The Sanitation Districts are completing installation of two new receiving stations that will allow slurry to be pumped directly into a digester. The anticipated capacity is 420 tpd slurry by December 2020.

Since July 2016, the County in partnership with the PHMRF has provided a rebate incentive to waste haulers that collect uncontaminated food waste diverted from commercial

accounts in the unincorporated Los Angeles County areas and deliver the food waste to the PHMRF. Currently, one waste hauler is participating and providing food waste diversion services to four supermarkets in the San Gabriel Valley area. As of December 2019, the project has successfully diverted over 1,900 tons of food waste. The food waste is sent to the PHMRF for pre-processing and is eventually anaerobically digested JWPCP.

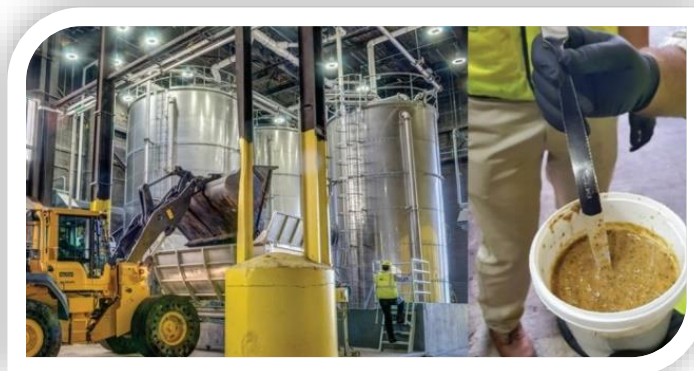


Figure 4: JWPCP using a slurry produced from food waste. Photo courtesy of Waste Management

#### In-vessel Composting at Pitchess Detention Center

The Los Angeles County Sheriff's Department (LASD) requested assistance from Public Works in researching an in-vessel composting system to manage organic waste at Pitchess Detention Center (PDC), a jail facility in Castaic, California. In 2019, Public Works, along with its technical consultant, Alternative Resources, Inc., performed a detailed cost analysis for a potential in-vessel composting technology to process 2 tpd of food waste generated on-site at PDC, a cluster of jail facilities in Castaic. The technology may also be used to process green waste and wood waste generated on-site and from nearby County facilities such as the Department of Parks and Recreation Castaic Lake State Recreation Area.

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#### City of Los Angeles' Alternative Technology Efforts

In 2017, the City of Los Angeles entered into exclusive franchise agreements with waste haulers to provide solid waste, commingled recyclables, and organics collection, transfer, disposal, and processing services to commercial and multifamily establishments in the City. The companies that were awarded the contract for each franchise secured a dedicated waste stream, increasing the financial viability to develop new organic waste processing and CT facilities near the City of Los Angeles. By establishing this position in the market, it can be financially advantageous for these facilities to process organic waste originating from other jurisdictions in addition to the City.

#### Conversion Technology Legislation

On September 28, 2014, Governor Brown signed into law Senate Bill 498 (SB 498), a biomass conversion technology bill. SB 498 is significant because AB 939 requires 50 percent diversion of solid waste, of which 10-percent can come from transformation or biomass conversion. State law formerly limited "biomass conversion" to only the controlled combustion of organic materials such as wood, lawn and garden clippings, agricultural waste, leaves, tree pruning, and non-recyclable paper. When separated from other solid waste these organic materials can be used for producing electricity or heat. SB 498 expanded the definition of biomass conversion to include non-combustion thermal CTs. By doing so, SB 498 allows for the cleaner and more efficient non-combustion CTs to be used to



convert biomass into fuels and other beneficial products in addition to heat and/or electricity.

SB 498 will help the State reach its 75-percent recycling goal as well as the organic waste disposal reduction goals established by Senate Bill 1383 (SB 1383). SB 498 will also assist in meeting the goals of the state's Bioenergy Action Plan, which has identified municipal solid waste as a substantially underutilized resource for biomass feedstock. SB 498 will also create a pathway to use biomass waste as a low-carbon fuel. Moreover, the utilization of CTs will provide jurisdictions with increased flexibility to process biomass material to produce green energy. Without increased options, biomass waste may need to be

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transported to facilities hundreds of miles away, which is economically and environmentally costly.

Public Works continues to actively pursue and support the passage of legislation that encourages the siting of CT facilities. Public Works will continue to take incremental steps progressing toward the conversion of non-recyclable residual solid waste.

#### **Reducing Greenhouse Gas Emissions in California - AB 32, SB 32 and SB 1383**

##### **Assembly Bill 32**

In 2006 Governor Schwarzenegger signed the California Global Warming Solutions Act of 2006 (AB 32) into law. AB 32 sets a target of reducing greenhouse gas (GHG) emissions statewide back to 1990 levels by 2020. To implement the provisions of the law, the California Air Resources Board (CARB) was directed to adopt a Climate Change Scoping Plan (Scoping Plan) by 2009, which developed the initial measures needed to meet the 2020 targets. The Scoping Plan includes recommendations for landfill methane emission reductions and reduction in waste generation, both of which were implemented in subsequent legislation. The first update to the Scoping Plan, which was released in 2014, includes a more comprehensive discussion of the waste management sector, including an expectation that it become “climate neutral” by 2020.

The document states that CARB and CalRecycle will work to eliminate landfill disposal of organic materials, a major source

of GHGs and methane, by utilizing their regulatory authority under AB 32 if legislation requiring businesses to recycle their organic waste was not enacted in 2014. The legislature did pass such a law in 2014 (Assembly Bill 1826, Chesbro) as well as a law that eliminates diversion credit for use of green waste as an alternative daily cover at landfills (Assembly Bill 1594, Williams).

##### **Senate Bill 32**

On September 8, 2016, Governor Brown signed Senate Bill 32 (SB 32), codifying into law Executive Order B-30-15. SB 32 established a mid-term GHG reduction target for California of 40-percent below 1990 levels by 2030. The executive order directed CARB to update the AB 32 Scoping Plan to reflect the 2030 target. The 2017 Climate Change Scoping Plan Update: The Strategy for Achieving California’s 2030 Greenhouse Gas Target was adopted by CARB in December 2017. The Plan is a package of economically viable and technically feasible actions to not only achieve the 2030 target but to stay on track to develop a low-to-zero-carbon economy.

##### **Senate Bill 1383 – Short Lived Climate Pollutants**

In September 19, 2016, Governor Brown signed SB 1383, the Short-Lived Climate Pollutants (SLCP) Bill, into law. As required by SB 1383, CARB prepared the SLCP Reduction Strategy to achieve a reduction in methane by 40-percent, hydrofluorocarbon gases by 40-percent, and anthropogenic black carbon by 50-percent below 2013 levels by 2030. CARB approved the SLCP Strategy in March 2017. SB 1383 also introduces targets to achieve a 50 percent reduction in the level

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of the statewide disposal of organic waste from the 2014 level by 2020 and a 75-percent reduction in the level of the statewide disposal of organic waste from the 2014 level by 2025. The law requires CalRecycle, in consultation with CARB, to adopt regulations that achieve these targets. CalRecycle is currently working on the final draft of the regulations, which is expected to be finalized by the end of 2020. The regulations are likely to require jurisdictions to provide and enforce mandatory organic waste collection for all generators, including residents, businesses, municipal facilities, and large venues. Jurisdictions, waste haulers, and organic waste generators are required to be in compliance with the regulations on January 1, 2022.

SB 1383 would authorize local jurisdictions to charge and collect fees to recover local jurisdictions' costs incurred in complying with the regulations. SB 1383 requires CalRecycle, in consultation with CARB, to analyze the progress that the waste sector, state government, and local governments have made in achieving the specified targets for reducing organic waste in landfills no later than July 1, 2020. SB 1383 authorizes CalRecycle, depending on the outcome of that analysis, to amend the regulations to include incentives or additional requirements, as specified.

### Organic State Laws - Assembly Bills 1594, 1826 and 876

In September 2014, Governor Brown signed two bills into law, that were intended to substantially reduce the amount of organic waste that is disposed of in California landfills. Assembly Bill 1594 (AB 1594) and Assembly Bill 1826 (AB 1826) presented a range of challenges for jurisdictions and collectively signaled a new era of solid waste management for the State. Additionally, on October 8, 2015, Governor Brown signed Assembly Bill 876 (AB 876) into law which would require counties and regional agencies to report to CalRecycle, the amount of organic waste generated within their counties or regional areas for a period of 15 years.



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#### **Assembly Bill 1594**

Since 1993, State law has considered green material used for ADC at landfills an act of “recycling” as opposed to “disposal”. In addition to helping jurisdictions with their efforts to comply with the 50-percent solid waste diversion mandate established pursuant to AB 939, this law greatly promoted the development of infrastructure that allowed for separate collection of green materials.

AB 1594 requires that for the purposes of complying with the waste diversion mandates of AB 939, beginning January 1, 2020, the use of green waste as ADC is considered an act of “disposal” as opposed to “recycling”. Also, due to the foregoing change in State law, commencing August 1, 2018, a jurisdiction must include information in its electronic annual report to CalRecycle on how it intends to address compliance with the waste diversion mandates of AB 939 as a result of the new law. Jurisdictions that are not able to comply with AB 939 will be required to identify and address barriers to recycling green material, if sufficient capacity at organics waste recycling facilities is not available before the jurisdiction’s next compliance review by CalRecycle.

Some jurisdictions in the County may face challenges in compliance with AB 939’s 50-percent diversion mandate if they continue to use green waste at landfills as ADC after January 1, 2020 and fail to implement new diversion programs to account for the ADC’s diversion credit loss.

#### **Assembly Bill 1826**

While AB 1594 only affects jurisdictions that use green material as ADC, AB 1826 affects most jurisdictions throughout the State. AB 1826 requires jurisdictions to implement an organic waste recycling program for businesses that would include outreach, education, and monitoring of affected businesses by January 1, 2016. Additionally, each jurisdiction shall identify barriers to siting organic waste recycling facilities and closed or abandoned sites that might be available for new organic waste recycling facilities. AB 1826 defines “organic waste” as food waste, green waste, landscape and pruning waste, non-hazardous wood waste, and food-soiled paper waste that is mixed in with food waste. It defines a “business” as a commercial or public entity, including, but not limited to, a firm, partnership, proprietorship, joint stock company, corporation, or association that is organized as a for-profit or nonprofit entity, or a multifamily residential dwelling consisting of five or more units.

#### **Assembly Bill 876**

AB 876 requires a county or regional agency to include the following in its annual report to CalRecycle: (1) an estimate of the amount of organic waste in cubic yards that will be generated in the county or region over a 15-year period; (2) an estimate of the additional organic waste recycling facility capacity in cubic yards that will be needed to process the amount of waste previously mentioned; and (3) areas identified by the county or regional agency as locations for new or expanded organic waste recycling facilities capable of safely meeting that additional need.

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In April 2018, the County published its Countywide Organic Waste Management Plan (Organics Plan). The Organics Plan is intended to identify and determine whether there is adequate compostable organic waste processing facility infrastructure and capacity to meet the demand for organic waste that is projected to be diverted due to the newly enacted legislation. The Organics Plan provides an estimate of the total organic waste processing capacity currently available within the County and the neighboring counties within the Southern California region. An analysis of the additional processing capacity needed to handle organic waste recycling is also included in the Organics Plan. The first Annual Report to the Organics Plan was published by the County in December 2019.

#### **Solid Waste Reporting Requirements Enforcement - Assembly Bill 901**

Assembly Bill 901 (AB 901) was signed into law by Governor Brown on October 10, 2015. This bill requires operators of disposal, recycling, and composting facilities as well as solid waste haulers to report information and data directly to CalRecycle. Prior to the passing of this bill, these facilities reported this information to counties who in turn submitted the data to CalRecycle. Additionally, those who transport, sell, and export recyclables and compost material will be required to periodically submit data to CalRecycle on the types, quantities, and destinations of those materials. Beginning 4<sup>th</sup> quarter 2019, disposal, recycling, and composting facilities as well as solid waste haulers are required to report their solid waste data to CalRecycle's new Recycling and Disposal Reporting System.

#### **Prohibition on Local Disposal Limits - Assembly Bill 845**

Assembly Bill 845, which was signed by Governor Brown on September 25, 2012, prohibits an ordinance enacted by a city or county from otherwise restricting or limiting the importation of solid waste into a privately-owned solid waste facility in that city or county based on place of origin.

#### **CalRecycle's "State of Disposal in California" and "State of Recycling in California" Reports**

In August 2017, CalRecycle published a staff report titled "*State of Disposal and Recycling in California 2017 Update*". This report, which builds on previous State of Disposal in California

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and State of Recycling in California reports, provides an update on disposal and recycling trends using the most up-to-date data available. According to the reports, California's average disposal rate must be less than 2.7 pounds per person per day (PPD) to achieve the 75-percent statewide recycling goal of Assembly Bill 341<sup>1</sup>. However, CalRecycle states that without a more precise picture of the state's recycling infrastructure, it is impossible to determine whether this disposal rate will be an accurate reflection of 75-percent recycling in 2020.

The updated report states that in 2016, California's overall disposal increased for a fourth consecutive year to 35.2 million tons of landfilled material and 0.8 million tons of incinerated

waste at the three transformation facilities in California. The state had a 6.0 PPD disposal rate in 2016, which is below the 6.3 PPD disposal target (established under AB 939).

#### Markets for Recovered Materials

The County and CalRecycle continue their efforts to address the need to develop sufficient statewide infrastructure and take a leadership role in the expansion of markets for recycled products. These efforts are in line with the statewide goal of 75-percent recycling.

State recycling mandates have long created an extensive supply of diverted materials but have not fully addressed the demand side of the "recycling equation." The result has been a significant dependence on foreign markets to purchase our recyclable materials, markets that have inadequate environmental controls for processing these materials.

This dependence on foreign markets first became evident in February 2013, when Chinese customs officials began enforcing the environmental regulations for container loads of scrap material through a policy, known as "Operation Green Fence." As a result, recycling facilities increased their quality control measures to produce higher quality loads of scrap material.

In 2017, China notified the World Trade Organization of its intent to restrict 24 types of waste materials from entering



<sup>1</sup> Assembly Bill 341 (AB 341) was signed into law by Governor Brown on October 6, 2011, establishing a statewide goal that no less than 75 percent of solid waste generated in the State be source reduced, recycled, or composted by 2020, and

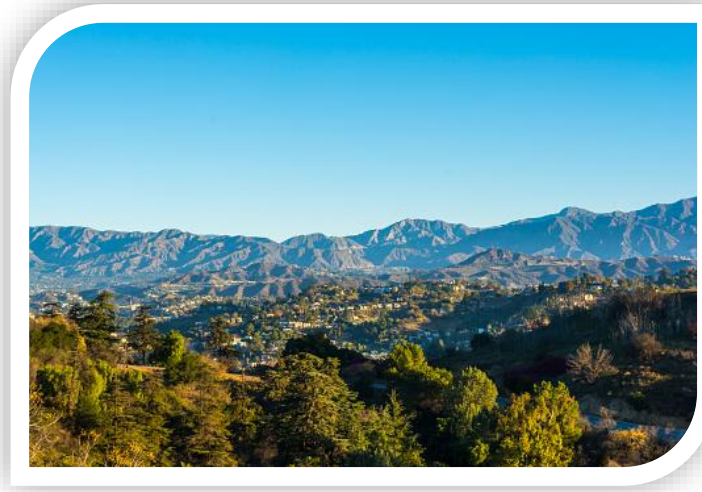
required local jurisdictions to implement commercial recycling programs by July 1, 2012.

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China. This new policy became known as “China’s National Sword.” The policy, which went into effect in January 2018, limits imported scrap materials, increases inspections, and restricts contamination to no more than 0.5-percent. Per CalRecycle, in 2017, 55-percent of California’s recyclable exports were sent to China. MRFs in California increased their efforts to produce bales of recyclable materials to meet the stricter contamination limit. Several countries in Southeast Asia as well as other countries such as India, Canada, and Mexico, have started to accept recyclable materials no longer being accepted by China. However, an oversupply and a demand for higher quality product have resulted in lower commodity prices.

China’s “Operation Green Fence” and “National Sword” policies show us that while collection of recyclable materials is an important element of our integrated solid waste management system, true success through recycling efforts can only be achieved with a strong market demand for recovered materials. Developing recyclables markets will become even more critical in the coming years because China announced that it would prohibit imports of post-industrial scrap plastic. Additionally, in July 2018, China



released a new proposal to ban every form of solid waste from import by 2020.

One way that California can build its recycling infrastructure is through the Recycling Market Development Zone program (RMDZ). The RMDZ is a state program administered by CalRecycle which can significantly reduce the emissions of greenhouse gases. Public Works, in coordination with

CalRecycle, provides financial, technical, and marketing assistance to eligible applicants that manufacture products from reused or recycled materials. Additional programs include the GGFR, GoBiz’s California Competes tax credits and circular economy venture capital.

Because of declining markets for recyclables, many redemption centers in California have been operating at a loss. In August 2019 RePlanet, California’s largest operator of recycling redemption centers, shut down 284 facilities and laid off 750 employees statewide. Within Los Angeles County, three recycling centers and two materials recovery facilities have closed since 2018.

Meanwhile, Public Works plans to conduct a public outreach campaign targeting manufacturing businesses in Los Angeles County using Zone Incentive Funds to promote the RMDZ loan programs.

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#### Extended Producer Responsibility

To facilitate a comprehensive solid waste management strategy, the County strongly supports statewide legislation, regulations, and policies that establish product stewardship, especially Extended Producer Responsibility (EPR). EPR is a strategic policy that shifts responsibility for post-consumer product management, both financial and operational with government oversight, from local governments to producers and manufacturers by reducing environmental impacts of their products and packaging waste. EPR incentivizes the reuse and recycling of materials by placing the cost of the post-consumer product on the producers, which encourages the adoption of product designs that are circular, while promoting environmental sustainability, minimizing the negative impact on human health, and reducing toxicity resulting in environmental risks.

In 2010, Assembly Bill 1343 (AB 1343) was considered one of the first EPR bill in California, requiring paint manufacturers to establish a stewardship organization (PaintCare) and take responsibility for the end-of-life management of postconsumer paints sold in California. The County Household Hazardous Waste (HHW) Program has partnered with PaintCare to assist in the collection of millions of pounds of unused paint over the years which has significantly reduced the cost to the County for proper disposal and recycling of collected paint.

Since then, additional EPR efforts have been focused on certain hard-to-handle materials such as mattresses, carpet, pharmaceutical drugs, home-generated medical sharps, plastic



products and packaging, lithium-ion batteries, and single-use e-cigarette components. In 2010 California became the first government in the world to require carpet manufacturers to implement a stewardship program. In 2016 in California alone, over 257 million pounds of carpet was disposed in landfills and over 20 million pounds were incinerated at transformation facilities. The Carpet America Recovery Effort collects fees assessed to support and incentivize the development and markets for products made from recycled carpet. Public Works has advocated for improvements to the State's Carpet Stewardship Program with AB 1158 in 2017 and then AB 729 in 2019. AB 1158 was signed into law to enhance the Carpet Stewardship program structure and goals to recycle 24 percent by January 1, 2020. AB 729 was signed into law paving the way for the state to reclaim over \$15 million in carpet recycling fees

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used to support California carpet collection and recycling businesses, protecting its recycling infrastructure from the carpet recycling program administrator, Carpet America Recovery Effort, which is headquartered in Georgia.

In 2013, California enacted Senate Bill 254 (SB 254), which established the Used Mattress Recovery and Recycling Act. SB 254 requires mattress producers to create a statewide recycling program to collect and recycle mattresses. The Mattress Recycling Council (MRC) is the stewardship organization created by the mattress industry to operate recycling programs in states such as California that have enacted mattress recycling laws. Los Angeles County hosts mattress collection events funded through the MRC where collected mattresses are taken to a facility for recycling. Mattresses collected by the County Road Department are eligible for reimbursement through the MRC.

In 2019, California enacted Assembly Bill 187, which revised provisions of the initial Used Mattress Recovery and Recycling Act (SB 254). Public Works advocated for the bill since it would address loopholes in the initial act. Assembly Bill 187 requires MRC to improve management of financial reserve and prioritize infrastructure to achieve higher levels of mattress recovery/recycling which would reduce/prevent illegal dumping and significant costs incurred by local jurisdictions.

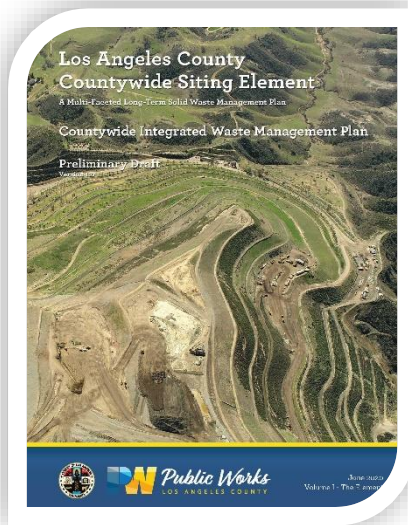
On September 30, 2018, Senate Bill 212 (SB 212) was signed into law, which deals with the management of pharmaceuticals and sharps at the end of their useful life. SB 212 requires the establishment of a stewardship program for manufacturers and distributors of each pharmaceutical drugs

and home-generated medical sharps waste to create, finance, and manage their safe and proper collection and disposal of unused pharmaceuticals and sharps. SB 212 has specific minimum requirements for the stewardship programs which include a mail-back program or alternative collection program for home-generated medical sharps and one authorized collection site bin for every 50,000 people with a minimum of five bins per county. CalRecycle is required to develop, adopt, and enforce regulations to implement the drug and sharps stewardship programs by January 1, 2021, and manufacturers and distributors are required to submit stewardship plans to CalRecycle on July 1, 2021.

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#### SITING ELEMENT REVISION



AB 939 requires each county to prepare a countywide siting element that describes how the county and the cities within the county, plan to manage the disposal of their solid waste for a 15-year planning period. The existing CSE, dated June 1997, was approved by the County's cities containing a majority of the County's population. It was

subsequently approved by the Board of Supervisors in January 1998, and by CalRecycle on June 24, 1998.

The current CSE revision, which covers the 15-year planning period, reflects the following significant changes compared to the previous version:

- ❖ Removes two potential landfill sites, Elsmere and Blind Canyon Landfills, in accordance with a motion passed by the Board of Supervisors on September 30, 2003;
- ❖ Updates the goals and policies to be more aligned with the new solid waste management paradigm (Figure 4), to enhance the comprehensiveness of Los Angeles County's

solid waste management system and to incorporate current and upcoming solid waste management processes and technologies;

- ❖ Promotes the development of alternatives to landfilling, such as CTs, on a Countywide basis; and
- ❖ Promotes the development and use of infrastructure to transport solid waste to out-of-County landfills, such as Mesquite Regional Landfill, to complement the County's waste management system .

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The draft revised CSE and its environmental document will undergo a review and approval process in compliance with statutory and regulatory requirements. This includes review by the Task Force, and review and approval by jurisdictions in Los Angeles County, the County Board of Supervisors, and CalRecycle.

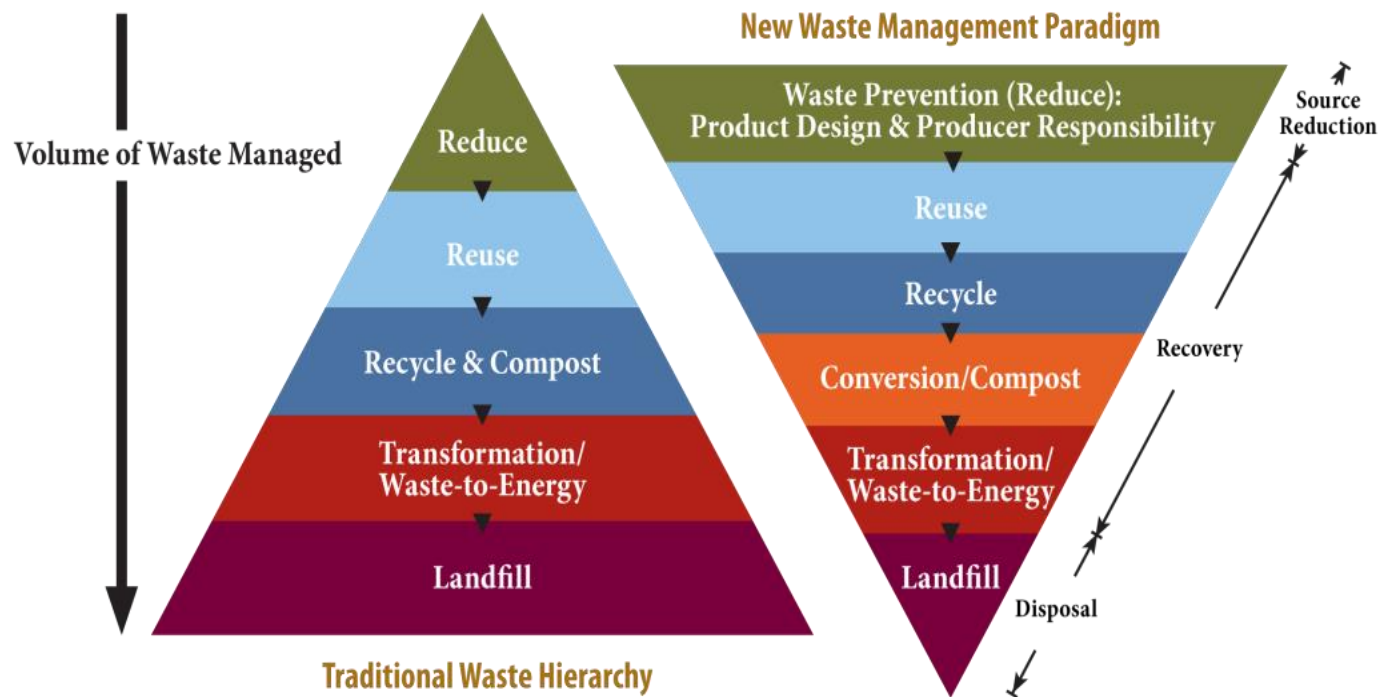


Figure 6: Solid Waste Management Hierarchy

## **GOALS AND POLICIES OF THE SITING ELEMENT**

The CSE establishes goals and policies for the County to maintain adequate permitted disposal capacity for a 15-year planning period. To provide adequate disposal capacity, the CSE offers strategies and establishes siting criteria for potential sites. Existing landfills (including those located out-of-County) are identified and analyzed regarding their permitted disposal capacity and estimated closure date. Additionally, the CSE includes goals and policies to facilitate the use of out-of-County/remote landfills and to foster the development of alternatives to landfill disposal, such as CTs on a countywide basis.

The goals and policies<sup>3</sup> are either being or may have to be implemented by the County and cities in the County to meet the mandates of the AB 939. These goals are consistent with those listed in the Los Angeles County Solid Waste Management Action Plan (Action Plan)<sup>4</sup> and County Solid Waste Management Plan (CoSWMP)<sup>5</sup>.

The goals are as follows:

1. To protect the health, welfare, and safety of all citizens by addressing the disposal need of the 88 cities in Los Angeles County and the County unincorporated communities during the 15-year planning period through the development of

environmentally safe and technically feasible disposal facilities for solid waste that cannot be reduced, reused, recycled, or composted.

This goal incorporates policies to:

- Enhance in-County landfill disposal capacity, and
  - Facilitate utilization of out-of-County/remote disposal facilities.
2. To foster the development of transformation and other innovative solid waste disposal technologies as alternatives to landfill disposal.
  3. To protect the economic well-being of Los Angeles County by ensuring that the cities and the County unincorporated communities are served by an efficient and economical public/private solid waste disposal system.
  4. To protect the economic well-being of Los Angeles County by ensuring that the cities and the County unincorporated communities are served by an efficient and economical public/private solid waste disposal system.

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<sup>3</sup>The corresponding policies associated with each Goal can be found in the 1997 Los Angeles County Countywide Siting Element approved by CalRecycle on June 24, 1998.

<sup>4</sup>The Action Plan was adopted by the County Board of Supervisors in April 1988 and was subsequently superseded by the County Integrated Waste Management Plan, which was

approved by the former California Integrated Waste Management Board (CIWMB) (now California Department of Resources Recycling and Recovery (CalRecycle)) in June 1999.

<sup>5</sup>The CoSWMP was approved by the County's cities containing a majority of the County's population, the County Board of Supervisors, and the former CIWMB (now CalRecycle).

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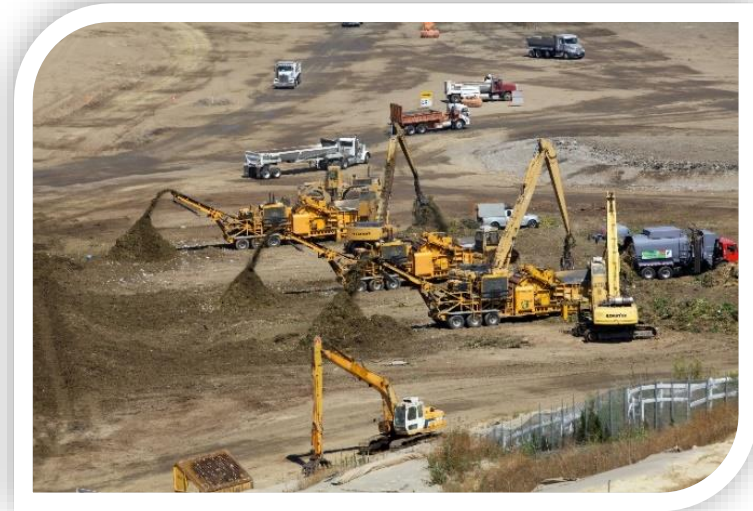
5. To provide siting criteria that considers and provides for the environmentally safe and technically feasible development of solid waste disposal facilities.
6. To reduce the volume (tonnage) of solid waste requiring disposal/transformation by continuing to implement and expand source reduction, recycling, composting, and public education programs.
7. To conserve Class III landfill capacity through diversion of inert waste, disposal of inert waste at unclassified landfills, increased waste disposal compaction rates, and use of green waste and other appropriate materials for landfill daily cover.
8. To promote, encourage, and expand waste diversion activities at disposal facilities.
9. To promote adequate markets for recycled materials and compost products.



## **SOLID WASTE DISPOSAL FACILITIES**

### **Permit Changes**

*As of 2019, there are no permit changes to existing solid waste disposal facilities.*



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### DISPOSAL ANALYSIS FOR 2019

The 2019 disposal analysis consists of an analysis of solid waste generated within the County, solid waste disposed within the County, and solid waste exported to out-of-County landfills. To determine the amount of waste generated by Los Angeles County residents, a calculation was performed using the countywide solid waste disposal and diversion rate.

#### Solid Waste Disposal

In 2019, the total amount of solid waste disposed of at in-county Class III landfills, transformation facilities, and out-of-County landfills was approximately 11 million tons (including an import amount of 168,639 tons). In addition, the amount of inert waste disposed at the permitted inert waste landfill totaled 266,452 tons. See **Table 1**, below for more detail.

**Table 1: 2019 Disposal Tonnage Breakdown**

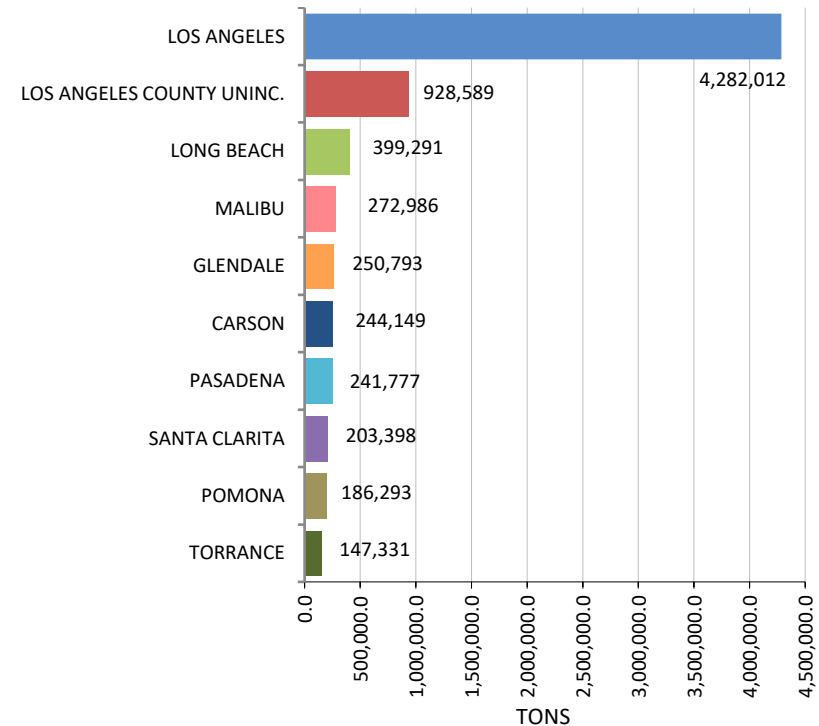
|                                          | Annual Disposal Tonnage | Daily Disposal Rate* |
|------------------------------------------|-------------------------|----------------------|
| In-County Class III Landfills:           | 5,349,231               | 17,145               |
| Transformation Facilities:               | 384,097                 | 1,231                |
| Exports to Out-of-County Landfills:      | 4,969,741               | 15,929               |
| Subtotal Solid Waste Disposed:           | 10,703,070              | 34,305               |
| Permitted Inert Waste Landfill:          | 266,452                 | 854                  |
| <b>Grand Total Solid Waste Disposed:</b> | <b>10,969,522 tons</b>  | <b>35,159 tpd</b>    |
|                                          |                         |                      |
| <b>Landfilled Disaster Debris</b>        | <b>267,068 tons</b>     | <b>856 tpd</b>       |

\*(Based on Six Operating Days/Week)

**Note:** The value for "Landfilled Disaster Debris" is not counted towards the County's total disposal tonnage for 2019.

The following is a breakdown of the disposal quantities at each type of disposal facility. **Figure 6** below shows the top ten jurisdictions that disposed solid waste, including inert waste disposed at the permitted inert waste landfill, in and outside of the County in 2019.

**Figure 7: Top 10 Jurisdiction Disposal Quantities in 2019**



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### Waste Generation

For the purpose of long-term disposal capacity planning, a countywide diversion rate of 65-percent was assumed for 2019. Based on a total disposal of 10.5 million tons (excluding inert waste and imports) and the 65-percent diversion rate, the County generated approximately 30.1 million tons or an average of 96,500 tpd (See **Table 2**).

### Senate Bill 1016

With the implementation of Senate Bill 1016 (SB 1016), CalRecycle no longer calculates diversion rates for individual jurisdictions and as a result, countywide diversion rates are no longer provided by CalRecycle. The last diversion rates provided by CalRecycle were for 2006, which resulted in a countywide diversion rate of 58-percent.

Under SB 1016, a target per capita disposal rate, using a 50-percent diversion rate, is calculated using an approved jurisdiction-specific average of per capita generation rates between 2003 and 2006. To establish compliance with AB 939, each jurisdiction's per capita disposal rate is calculated for each reporting year and compared to their individual target rates.

**Table 2: 2019 Waste Generation and Disposal Quantities for Municipal Solid Waste**

| A                      | B                            | C                                                        | D                  | E                                            | F                                                |
|------------------------|------------------------------|----------------------------------------------------------|--------------------|----------------------------------------------|--------------------------------------------------|
| In-County Disposal     |                              | Exports to<br>Out-of<br>County<br>Class III<br>Landfills | Total<br>Disposal* | Estimated<br>Countywide<br>Diversion<br>Rate | Calculated<br>2018<br>Solid Waste<br>Generation* |
| Class III<br>Landfills | Transformation<br>Facilities |                                                          |                    |                                              |                                                  |
| TONS                   | TONS                         | TONS                                                     | TONS               | percent                                      | TONS                                             |
| 5,227,982              | 336,707                      | 4,969,741                                                | 10,534,431         | 65                                           | 30,098,374                                       |

\* Data from permitted inert waste landfill and imports is excluded from these calculations.

Column A: Total disposal at Class III landfills in Los Angeles County. Does not include waste imported from jurisdictions outside the County.

Column B: Total disposal at transformation facilities in Los Angeles County. Does not include waste imported from jurisdictions outside the County.

Column C: Waste exported by jurisdictions in Los Angeles County to disposal facilities located outside the County.

Column D: Columns A + B + C.

Column E: A Countywide Diversion Rate of 65-percent is assumed.

Column F: Column D ÷ 35-percent (disposal percentage). This estimate is used to project the County's Class III landfill and transformation disposal needs through the year 2034.

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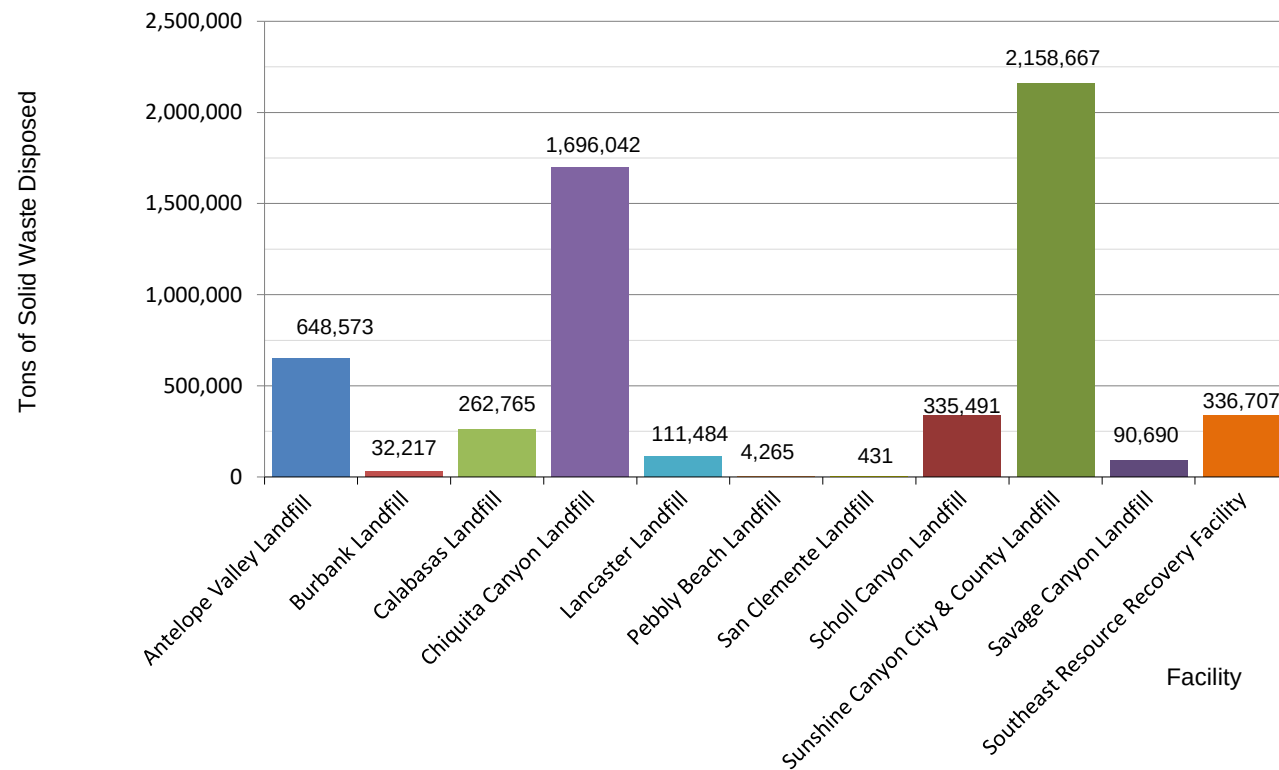
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#### Waste Disposal at In-County Facilities

In addition to waste generated within the County, Class III landfills and transformation facilities in the County also received 168,639 tons, or 541 tpd, of waste from jurisdictions outside the

County in 2019. **Figure 7** shows the total amount of solid waste disposed at each Class III landfill and transformation facility, including imports from outside the County. For more detailed information, refer to **Appendix E-2, Table 4**.

**Figure 8: Disposal Quantities by Facility in 2019**

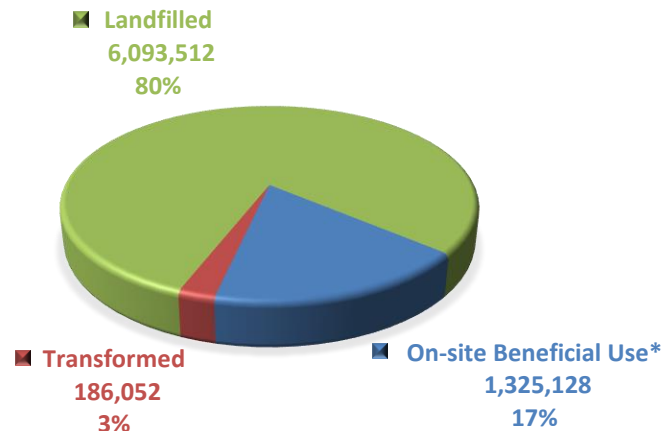


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When waste is received at Class III landfills and transformation facilities, some of it is recycled for on-site use, such as ADC, and some is sent off-site for recycling or processing. The remaining waste is landfilled or transformed into energy. If transformed, the residual ash is turned into ashcrete and used as road base for winter deck operating areas and other beneficial uses. **Figure 8** quantifies each of these activities. The various types of materials recycled or beneficially used on-site at Class III landfills are further broken down in **Figure 9**.

**Figure 9: Types of Activities (Landfilled, Transformed and On-site Beneficial Use) at In-county Disposal Facilities (Tons)**

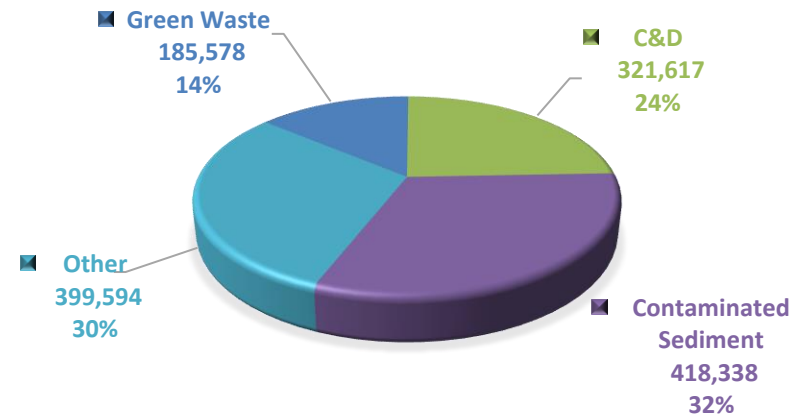


\*Excluding ash as beneficial use.

Note: The "landfilled" portion includes 477,212 tons of inert waste and 267,068 tons of disaster debris.

<sup>6</sup> **Wasteshed Restrictions** refers to a geographical area from which waste can logically be delivered to a given disposal facility. This term is synonymous with waste service area.

**Figure 10: On-site Beneficial Use (Tons)**



**Figures 10 through 20** show the annual disposal at each in-County facility (excluding imports from outside the County) in 2019, broken down by jurisdiction. The facilities with an "(R)" next to their names represent landfills with wasteshed restrictions<sup>6</sup>. For a map that shows the location of each facility, refer to **Appendix E-6**.

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**Figure 11: Antelope Valley Landfill**  
**638,418 tons (2,046 tpd)**

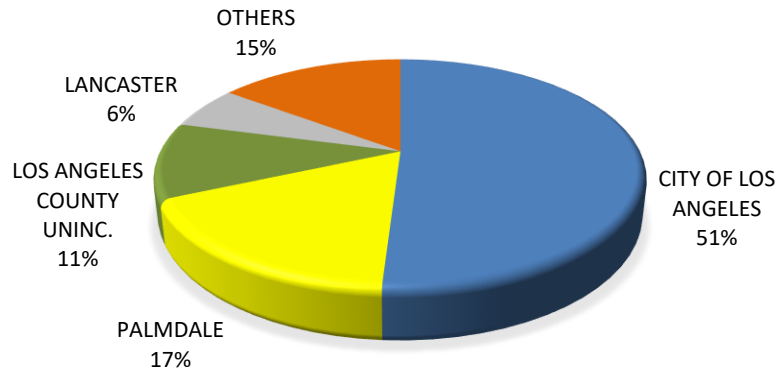


**Figure 13: Calabasas Landfill**  
**262,765 tons (842 tpd)**

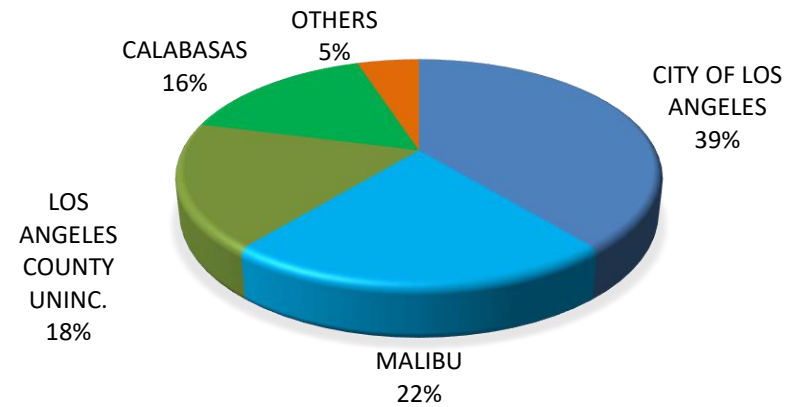


**Figure 12: Burbank Landfill**  
**32,217 tons (103 tpd)**

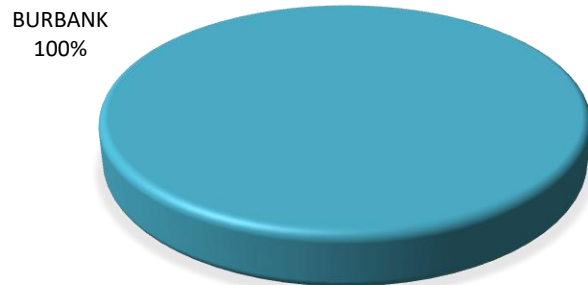
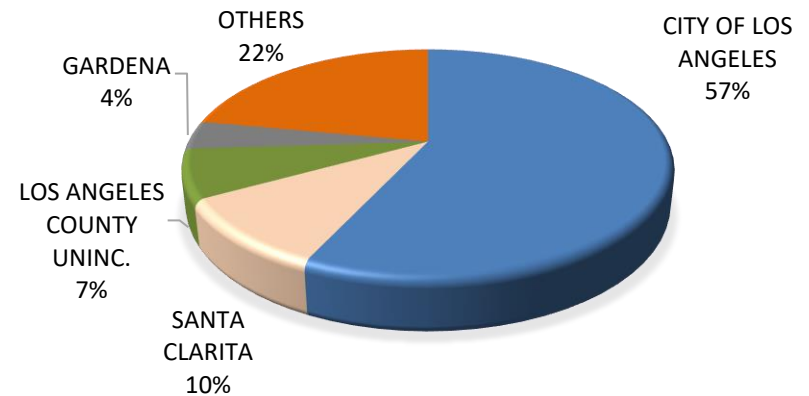


**Figure 14: Chiquita Canyon Landfill**  
**1,595,981 tons (5,115 tpd)**



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**Figure 15: Lancaster Landfill**  
**109,057 tons (350 tpd)**

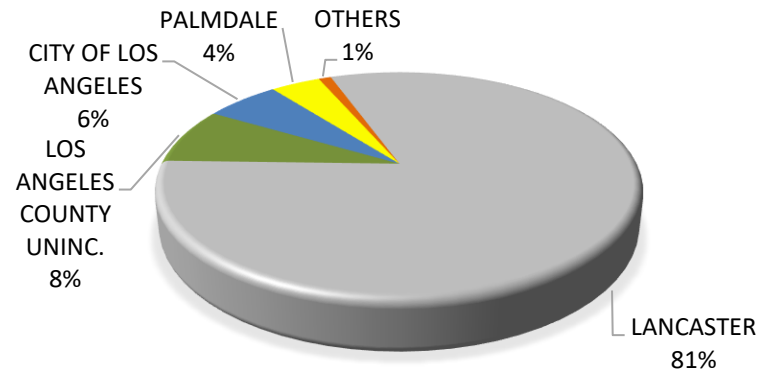


**Figure 16: Pebbly Beach Landfill**  
**4,265 tons (14 tpd)**



**Figure 17: San Clemente Landfill <sup>(R)</sup>**  
**431 tons (1 tpd)**

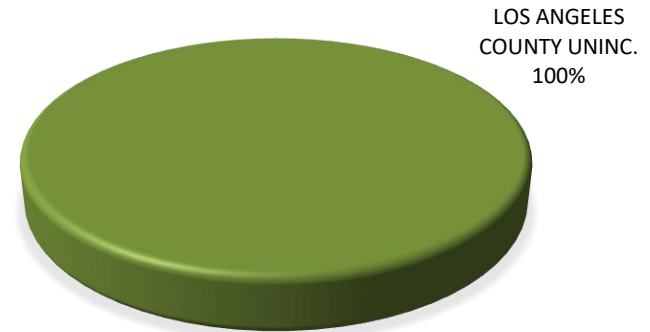
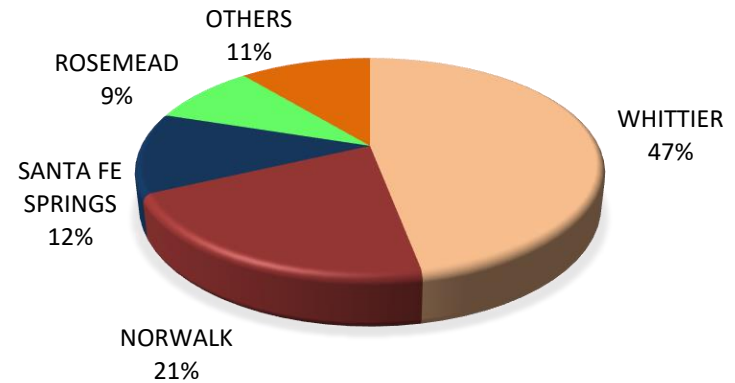


**Figure 18: Savage Canyon Landfill <sup>(R)</sup>**  
**90,690 tons (291 tpd)**



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**Figure 19: Scholl Canyon Landfill <sup>(R)</sup>**  
**335,491 tons (1,075 tpd)**

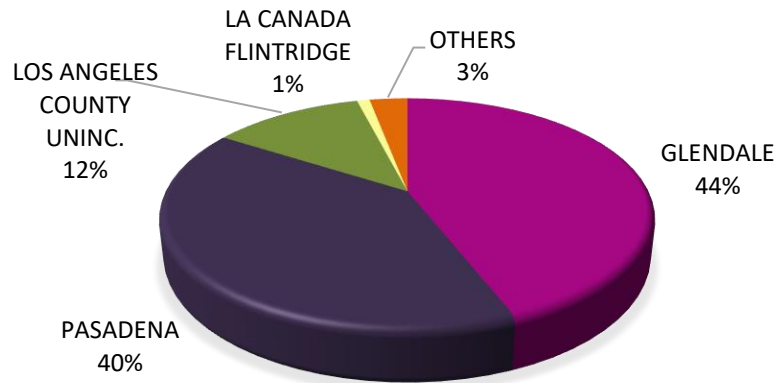


**Figure 20: Sunshine Canyon Landfill**  
**2,158,667 tons (6,919 tpd)**

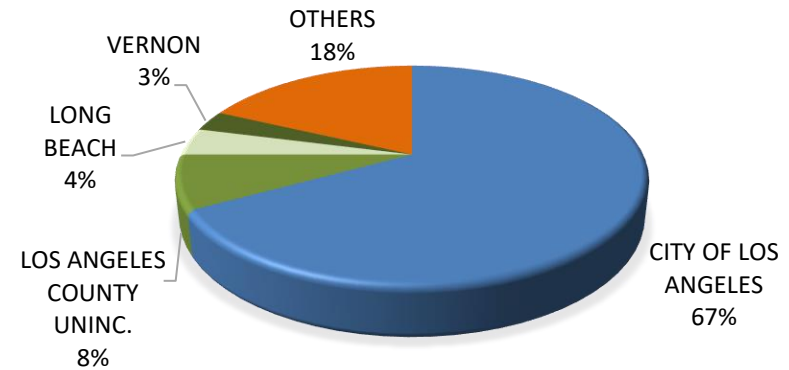
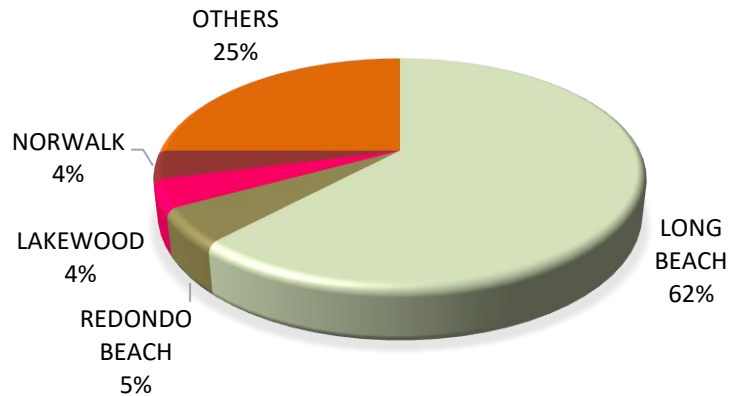


**Figure 19: Southeast Resource Recovery Facility**  
**336,707 tons (1,079 tpd)**  
**269,532 tons\* (950 tpd)**



\*Data for Q3 and Q4 was collected from the Recycling and Disposal Reporting System report which does not provide a complete jurisdictional breakdown; therefore, this value and the percentages in the pie chart include partial data.

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#### Remaining Disposal Capacity at End of 2019

##### *Transformation Facilities*

As of December 31, 2019, there was one transformation facility operating in the County - Southeast Resource Recovery Facility (SERRF). SERRF had an average daily solid waste intake of 1,231 tpd (including an import amount of 152 tpd), which is equivalent to 384,097 tpy.

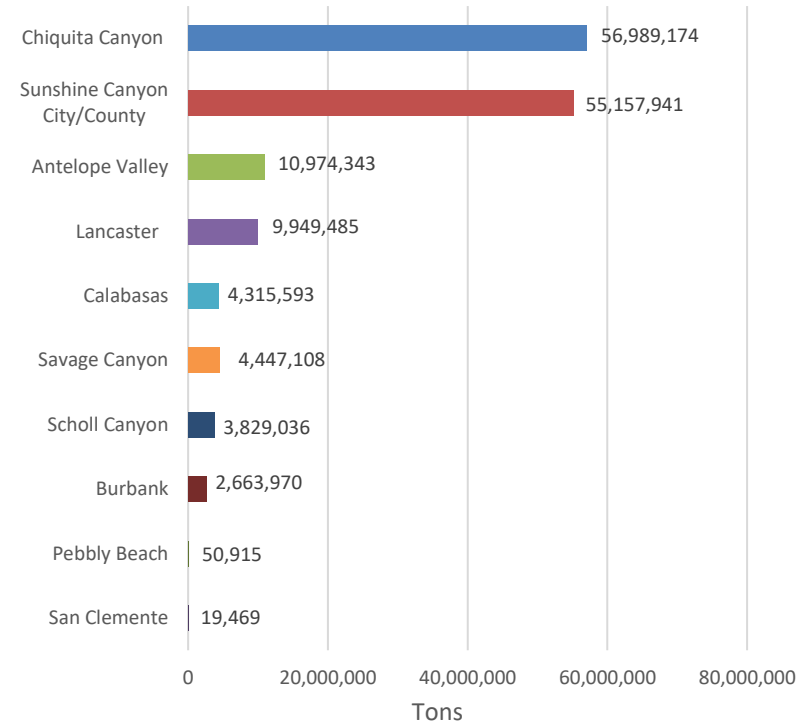
SERRF will continue to operate until June 2024 at its current average daily rate during the planning period. The city of Long Beach has announced an amended agreement to provide for the continued operation of SERRF and allow for opportunities to process higher-value waste. The owner and operator of SERRF has indicated that there are no plans to increase the permitted daily capacity.

##### *Class III Landfills*

Public Works conducted a survey requesting landfill operators in the County to provide updates of their estimated remaining disposal capacities. Based on the results of the survey and considering permit restrictions, the total remaining permitted Class III landfill capacity in the County is estimated at 148.40 million tons.

**Figure 21** shows a breakdown of each landfill's remaining disposal capacity, in million tons. For more detailed information, refer to **Appendix E-2, Table 4**.

**Figure 20: Class III Landfill Estimated Remaining Disposal Capacity**

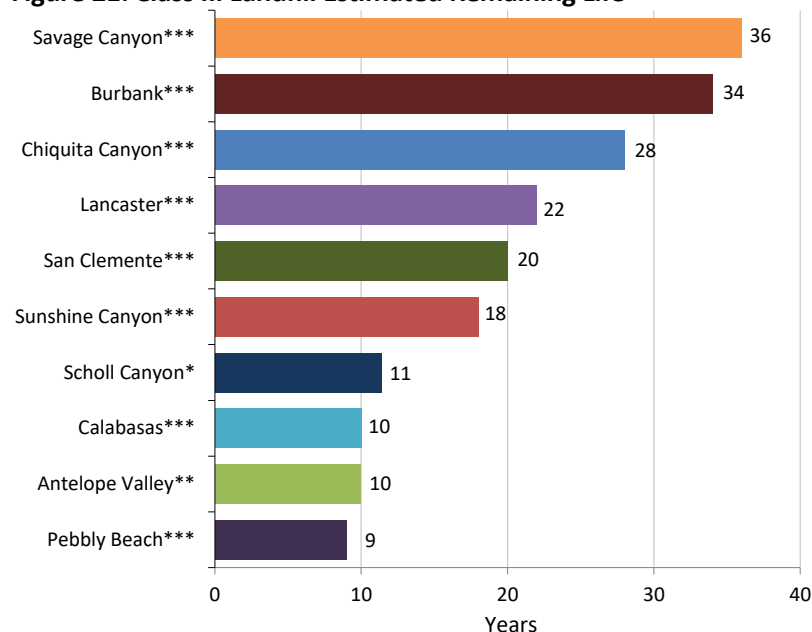


The remaining life of each landfill is determined by dividing the landfill's remaining capacity by its average daily disposal, maximum permitted capacity, or permit restrictions (if specified). Generally, the variable with the smallest value is chosen. The lifespan of each landfill is shown in **Figure 22**.

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**Figure 21: Class III Landfill Estimated Remaining Life**



\* Landfill remaining life based on 2019 average daily disposal

\*\* Landfill remaining life based on maximum permitted capacity as of December 31, 2019.

\*\*\* Landfill remaining life based on land use/solid waste facility permit restrictions as of December 31, 2019.

#### *Permitted Inert Waste Landfill*

As of 2019, Azusa Land Reclamation is the only permitted Inert Waste Landfill in the County that has a full solid waste facility permit. The remaining capacity of this landfill is estimated at 58.84 million tons, or 47.07 million cubic yards. Refer to **Appendix E-2, Table 4** for detailed data. Given the remaining permitted capacity and the average disposal rate of 854 tpd in 2019, this landfill's capacity will be exhausted in 221 years; however, based on the landfill's solid waste facility permit closure date, the landfill expected to close in 26 years.

#### *Inert Debris Facilities*

Inert debris facilities include Inert Debris Engineered Fill Operations (IDEFO) and other facilities that process inert waste and other construction and demolition waste. In 2019, inert debris facilities (excluding Azusa Land Reclamation Co. Landfill) collectively handled nearly 3.35 million tons, or approximately 2.68 million cubic yards, of material in the County. For more detailed information, refer to **Appendix E-2, Table 5** and **Appendix E-7**.

#### *Transfer and Processing Capacity*

There are 42 permitted Large Volume Transfer/Processing and Direct Transfer Facilities, which can receive 100 tons of waste or more per operating day, and numerous facilities of smaller volume operating within the County. A *transfer station/processing facility* refers to a facility which receives, handles, separates, converts, or otherwise processes solid waste. There are three types of facilities that are recognized as transfer/processing facilities in this report: transfer stations, material recovery facilities, and construction, demolition and inert debris processing facilities. *Transfer stations* typically transfer solid waste directly from one container to another or from one vehicle to another for transport, or temporarily store solid waste prior to final disposal at CalRecycle-permitted landfills or transformation facilities. MRFs refer to intermediate processing facilities designed to remove recyclables and other valuable materials from the waste stream. A *construction, demolition, and inert (CDI) debris processing facility* refers to a site that receives any combination of construction and

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demolition debris, and Type A<sup>7</sup> inert debris per operating day for the purposes of storage, handling, transferring, or processing.

In addition to the 42 facilities discussed above, there are 12 Large Volume Transfer/Processing Facilities that fall under the umbrella of Clean MRF. A *clean MRF* refers to a facility that separates materials from commingled recyclables, typically collected from residential or commercial curbside programs. As local waste disposal capacity options diminish in the County, transfer and processing facility operators are expected to export waste to out-of-County landfills via truck or rail transport. For a list and map of Large Volume Transfer and Processing facilities located within the County, refer to **Appendix E-4**.



#### *Composting/Chipping and Grinding and Anaerobic Digestion Facilities*

The County has 23 operational Composting/Chipping and Grinding Facilities which are permitted to receive 6 tons of waste or more per operating day, and numerous composting/chipping and grinding facilities of smaller volume. A *composting facility* refers to a facility that processes organic materials such as green waste, manure, food waste, and other organics. The organics are transformed through controlled biological decomposition and sold as an end product, usually in the form of home or farm soil amendments. A *chipping and grinding facility* refers to a facility that separates, grades and resizes woody green waste or used lumber to be sent to a composting facility, used at a landfill for Alternative Daily Cover (ADC) or sent to miscellaneous end markets such as feedstock at biomass to energy plants.

Currently there are three anaerobic digestion facilities operating within the County. An *anaerobic digestion facility* refers to a facility that biologically decomposes organic matter with little or no oxygen in a fully enclosed structure (in-vessel digestion) to produce biogas, liquid fertilizer and compost. For a list and map of Composting/Chipping and Grinding and Anaerobic Digestion facilities located within the County, refer to **Appendix E-5**.

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<sup>7</sup> Type A inert debris includes, but is not limited to, concrete (including fiberglass or steel reinforcing bar embedded in the concrete), fully cured asphalt, crushed glass, fiberglass, asphalt or fiberglass roofing shingles, brick, slag, ceramics, plaster, and clay products.

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#### *On-going Efforts to Optimize Utilization of Existing Disposal Capacity*

Over the last decade, the County has encouraged waste diversion and recycling activities at landfills located in the unincorporated County areas through the land use permit process. The permit process includes a Waste Plan Conformance Agreement, which requires a landfill operator to implement waste diversion and recycling programs as well as other activities, both on and off-site to assist individual jurisdictions within the County in achieving the diversion mandate of AB 939. In addition, the Agreement contains provisions to encourage and assist residents in properly disposing their waste. These programs or activities may include the following:

##### **Conservation of Capacity**

- ❖ Maximize available fill capacity at Class III landfills by improving compaction methods and diverting or reducing high-volume or low-density waste materials;
- ❖ Conduct waste characterization studies;

##### **On-Site Reuse**

- ❖ Utilize waste materials received and processed at the landfill, such as shredded green waste, as a supplement to daily, intermediate, and final cover;
- ❖ Use green waste for other beneficial uses, including composting;
- ❖ Salvage wood waste for landscaping and erosion, weed, and fire break control;
- ❖ Salvage construction and demolition waste for road construction, erosion control, and other uses;

##### **Establishment of:**

- ❖ Materials recovery operations or facilities;
- ❖ Used oil collection centers;
- ❖ Drop-off or buy-back recycling centers;

##### **Activities to Encourage Proper Disposal**

- ❖ Free disposal days;
- ❖ Waste tire processing;
- ❖ Christmas tree recycling;
- ❖ Acceptance of bulky items from residents free of charge;
- ❖ As appropriate, providing reduced rates to customers for source-separated materials which can be diverted or otherwise salvaged at the landfill;
- ❖ Public education activities;

##### **Provide Funding for:**

- ❖ Household hazardous and electronic waste collection events; and
- ❖ Research and development of alternative technologies.



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Active Class III landfills that have a Waste Plan Conformance Agreement with the County include Chiquita Canyon, Lancaster, and Sunshine Canyon City/County Landfills. Together, these landfills handle approximately 70-percent of in-County Class III waste. Due to the dynamic and varied nature of solid waste management in the County, the provisions of the Waste Plan Conformance Agreement for each landfill are tailored to meet the specific needs of the communities serviced by the landfill.

As the economy continues to show signs of improvement, increasing the diversion rate and promoting advancements such as improving compaction methods, will prevent the remaining capacity of existing landfills from being depleted as quickly as previously projected and is expected to provide longer lifespans for in-County landfills.

## **STRATEGY FOR MAINTAINING ADEQUATE DISPOSAL CAPACITY**

This section discusses strategies on how the County plans to maintain adequate solid waste disposal capacity for the next 15 years, from 2019 to 2034. It includes an analysis which considers recently passed legislation, such as the mandatory commercial recycling and diversion of organic waste from landfills through organics recycling programs, as well as information contained in the State of Disposal and State of Recycling in California reports by CalRecycle. The discussion first evaluates whether the existing permitted disposal capacity in the County will be able to accommodate the solid waste generated that cannot be reduced, reused, or recycled. Additionally, an evaluation of the existing disposal infrastructure and the current diversion rate analyzes whether there will be daily disposal capacity shortfall or reserve. The discussion goes on to present several scenarios applying various options for managing the residual solid waste. Inert waste landfills are not included in this discussion since the County currently has adequate permitted inert waste landfill capacity, as discussed earlier in **Permitted Inert Waste Landfill** (Page 35).

### *Definitions*

The following are a set of terms used throughout this section (all quantities are in tons per day (tpd)):

**Daily Disposal Demand** – The amount of solid waste generated minus the amount diverted by means of reuse, recycling,

composting, or anaerobic digestion based on a 6-day-per-week operation at permitted solid waste disposal facilities.

**Daily Available Capacity** – The amount of solid waste permitted to be received at solid waste disposal facilities based on a 6-day-per-week operation in accordance with the terms, conditions, and watershed restrictions of the facility's SWFP, land use permit, waste discharge requirements, or any other permit regulating the operation - whichever is more restrictive.

**Disposal Capacity Reserve** – The amount of solid waste by which the total Daily Available Capacity exceeds Daily Disposal Demand.

**Disposal Capacity Shortfall** – The amount of solid waste by which Daily Disposal Demand exceeds the total Daily Available Capacity.

### *Evaluation of Existing Disposal Infrastructure*

#### *Waste Generation Projections*

Projections of solid waste generation during the planning period were made using the "Adjustment Methodology" developed by CalRecycle. The Methodology requires knowledge of how the generated waste is distributed into the residential and non-residential sectors as well as future population, employment, and real taxable sales.

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Population, employment, and real taxable sales projections are available from the California Department of Transportation (Caltrans) and UCLA for each year of the planning period. The UCLA Long-Term Forecast, published in July 2019, was used since it focuses on the Los Angeles region, in contrast with the Caltrans' forecast, which is statewide and yields more general projections. Additionally, the UCLA forecast data is updated more frequently. **Figure 23** shows a graph of the parameters used in the analysis. The detailed data is provided in **Appendix E-2, Table 7**.

Considering each jurisdiction's Source Reduction and Recycling Element and last approved base generation year as of 2005, the average Countywide waste distribution by sector is as follows:

- Residential Sector Waste Generation = 30-percent of total waste generation
- Non-Residential Sector Waste Generation = 70-percent of total waste generation

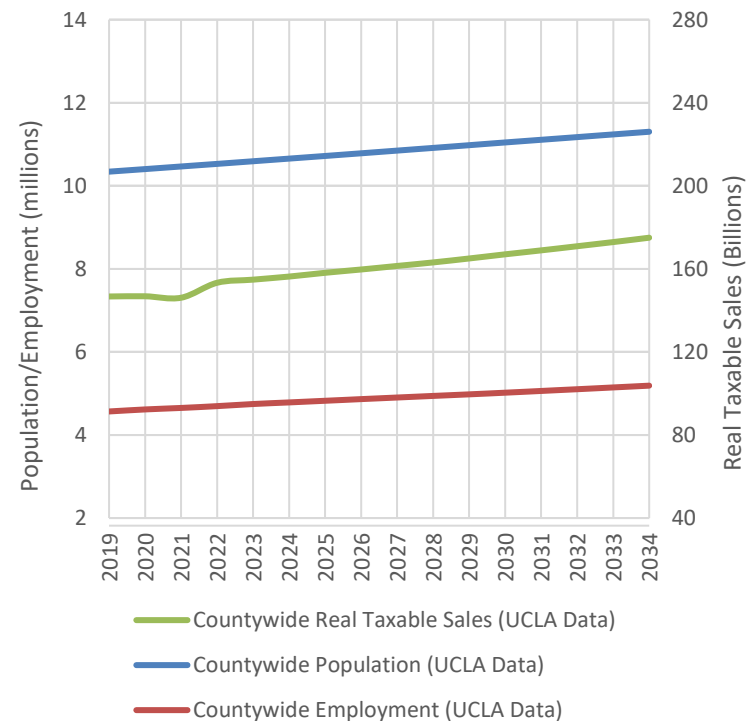
#### *Daily Disposal Demand Projections*

The quantity of Daily Disposal Demand depends on the amount of solid waste that may be diverted. As noted in **Waste Generation** (Page 26), a diversion rate of 65-percent was assumed for the analysis in this report. With this assumption, the amount of residual waste that requires disposal capacity is 35-percent of the projected waste generation.

#### *Transformation Facility Capacity*

For the purposes of the analysis, as explained earlier in **Remaining Disposal Capacity at End of 2019** (Page 32), SERRF is assumed to provide up to 1,200 tpd of Daily Available Capacity throughout the planning period.

**Figure 22: Population, Employment, and Real Taxable Sales**



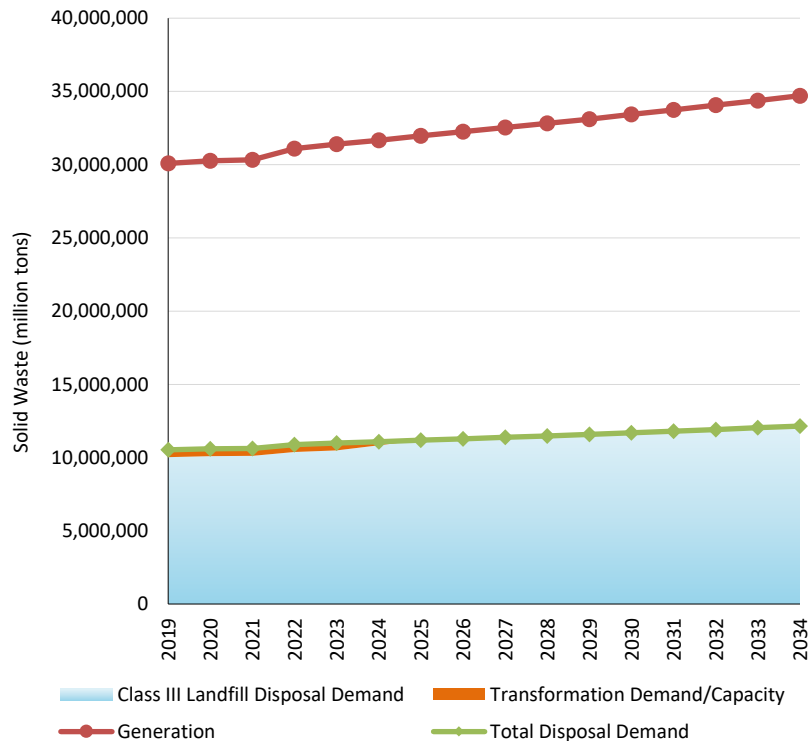
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#### Class III Landfill Capacity Need

Assuming no other options are available, such as exporting to out-of-County facilities or the development of new alternative technologies, the County's Class III landfill disposal needs are determined after considering the available transformation capacity. The result of the evaluation is plotted in **Figure 24**. The detailed data is provided in **Appendix E-2, Table 8**.

**Figure 23: Solid Waste Generation and Disposal Demand**



In **Figure 24**, the area in blue illustrates the amount of disposal capacity needed from Class III landfills throughout the planning period. According to the analysis, the cumulative need for Class III landfill disposal capacity, approximately 154.3 million tons in 2032, will exceed the 2019 remaining permitted Class III landfill capacity of 148.4 million tons (Page 32). Refer to **Appendix E-2, Table 8**.

Other constraints that may limit the accessibility of Class III landfill capacity include watershed boundaries, geographic barriers, weather, and natural disasters. Therefore, further detailed analysis that incorporates capacity options in addition to existing in-County infrastructure and permit constraints is necessary to provide a more thorough evaluation.

#### Scenario Analysis

The scenario analysis considers the various capacity options that are currently available or may become available in the future to assist the County in meeting the Daily Disposal Demand. The analysis looks at the following:

**Existing in-County Class III Landfills and Transformation Facilities** – The analysis considers a facility's permitted capacity, termination date, and watershed restriction, if any.

**Proposed Expansions of In-County Class III Landfills** – The analysis assumes no proposed landfill expansions that will occur during the planning period.

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**Imports and Exports** – The analysis considers imported and exported waste to and from out-of-county jurisdictions. Existing facilities in Kern, Orange, Riverside, San Bernardino, and Ventura Counties are currently accepting waste from the County. Future use of the waste-by-rail system to Mesquite Regional Landfill in

Imperial County is also considered. For more detail, refer to **Out-of-County Disposal Facilities** (Page 49).

**Diversion Rate** – A 65 percent diversion rate is assumed in most of the scenarios. A potential increase in the diversion rate is assumed in some scenarios, considering that all jurisdictions in the County are required to comply with new state laws such as the mandatory commercial recycling and the diversion of organic waste from landfills through organics recycling programs. The potential development of composting and anaerobic digestion processing facilities, in response to these laws, is also assumed to contribute to the increase in diversion rate.

**Alternative Technologies** – Potential engineered municipal solid waste (EMSW) conversion facilities or other alternative technologies may be developed during the planning period. As discussed above, the anaerobic digestion capacity is incorporated into the assumption of an increased diversion rate, and is therefore, not included in the projections for potential available alternative technology capacity.

Given all the various capacity options, the analysis evaluated seven potential scenarios during the 15-year planning period. Table 2 summarizes the differences between the scenarios.

For all seven scenarios, the projected waste generation remains the same. The analysis closely examines how much Daily Available Capacity from existing Class III landfills is expected to be utilized during each year. The analysis ultimately evaluates whether we expect a reserve or shortfall in the Class III Landfill disposal capacity by assessing whether the Daily Disposal Demand can be met for each year during the 15-year planning period. No new landfills are expected to be permitted in the County during the planning period. For more detail, refer to **Appendix E-3 Disposal Capacity Analysis Scenarios**



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**Table 3: Scenario Comparison Table**

| Scenario Number                                                                | Existing Permitted In-County Disposal Capacity | Diversion Rate <sup>8</sup> | Exports to Out-of-County Landfills | Utilization of Additional Alternative Technology Capacity | Increase in Exports to Out-of-County Landfills |
|--------------------------------------------------------------------------------|------------------------------------------------|-----------------------------|------------------------------------|-----------------------------------------------------------|------------------------------------------------|
| <b>I</b><br>Utilization of Permitted In-County Disposal Capacity Only          | ✓                                              | ✓                           |                                    |                                                           |                                                |
| <b>II</b><br>Status Quo Scenario                                               | ✓                                              | ✓                           | ✓                                  |                                                           |                                                |
| <b>III</b><br>Meeting CalRecycle's Statewide Disposal Target of 2.7 PPD        | ✓                                              | ✓                           | ✓                                  |                                                           |                                                |
| <b>IV</b><br>Meeting Senate Bill 1383 Organic Waste Disposal Reduction Targets | ✓                                              | ✓                           | ✓                                  |                                                           |                                                |
| <b>V</b><br>Utilization of Additional Alternative Technology Capacity          | ✓                                              | ✓                           | ✓                                  | ✓                                                         |                                                |
| <b>VI</b><br>Increase in Exports to Out-of-County Landfills                    | ✓                                              | ✓                           | ✓                                  |                                                           | ✓                                              |
| <b>VII</b><br>All Solid Waste Management Options Considered Become Available   | ✓                                              | ✓                           | ✓                                  | ✓                                                         | ✓                                              |

<sup>8</sup> Scenario I, II, V, and VI assume a 65 percent diversion rate throughout the planning period. Scenario III assumes an increase in diversion rate (83-percent by 2020) to meet CalRecycle's Statewide Disposal Target of 2.7 PPD. Scenario IV assumes an increase in diversion rate (76 percent by 2020) to meet Senate Bill 1383 organic waste disposal reduction targets. Scenario VII assumes an increase in diversion rate (75-percent by 2020) considering all jurisdictions in the County comply with new state laws.

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#### *Scenario I – Utilization of Permitted In-County Disposal Capacity Only*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities only
- No Exports to Out-of-County Landfills

Scenario I assumes that all solid waste disposed will be managed by existing permitted in-County disposal infrastructure only. The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a countywide diversion rate to 65-percent throughout the planning period, and no expansions of existing landfills.

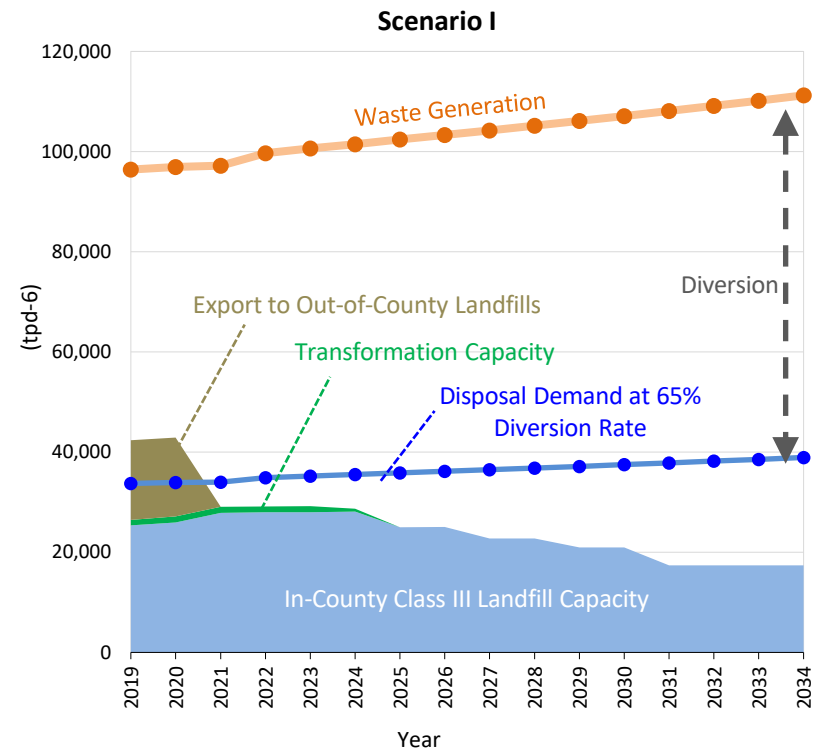
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd. For the purposes of this scenario, it is assumed that the use of available out-of-County disposal capacity will continue at a similar rate in 2020 and will not continue through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 24: Utilization of Permitted In-County Disposal Capacity Only Scenario**



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#### Scenario II - Status Quo

##### Assumptions/Considerations:

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Use of Exports to Out-of-County Landfills

Scenario II assumes that all solid waste disposed will be managed by existing permitted in-County disposal infrastructure and available out-of-County landfill capacity. The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a countywide diversion rate to 65-percent throughout the planning period, and no expansions of existing landfills.

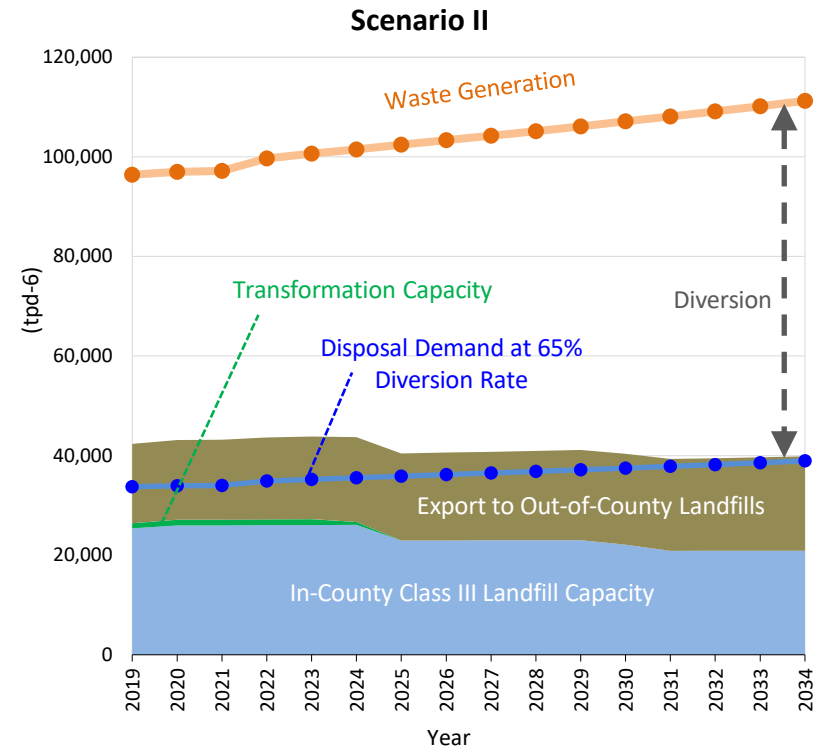
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that exports to out-of-County landfills will continue at the current rate through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is not expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

Figure 25: Status Quo Scenario



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#### *Scenario III - Meeting CalRecycle's Statewide Disposal Target of 2.7 PPD*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Use of Exports to Out-of-County Landfills
- Meeting CalRecycle's Statewide Disposal Target of 2.7 pounds per person per day (PPD)

Along with the assumptions mentioned in Scenario II, Scenario III assumes aggressive diversion efforts by individual jurisdictions to achieve CalRecycle's statewide disposal target of 2.7 PPD, resulting in a sudden increase of the countywide diversion rate to 83-percent in 2020. This scenario also assumes no expansions of existing landfills.

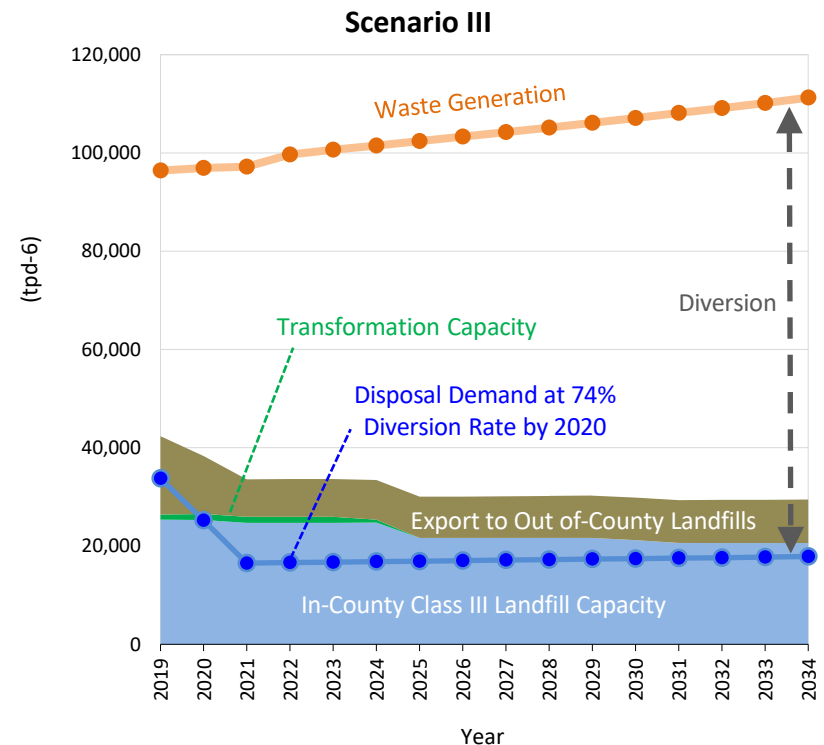
The following assumptions are made with respect to imports and exports:

**Imports** –The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that export to out-of-County landfills will continue at the current rate through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is not expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 26: Meeting CalRecycle's Statewide Disposal Target Scenario**



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#### *Scenario IV – Meeting Senate Bill 1383 Organic Waste Disposal Reduction Targets*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Use of Exports to Out-of-County Landfills
- 76-percent diversion rate by 2020

Along with the assumptions in Scenario II, Scenario IV satisfies the requirements of SB 1383 which introduces targets to reduce the landfill disposal of organic waste as follows: (1) a 50-percent reduction in the level of the statewide disposal of organic waste from the 2014 level by 2020 and (2) a 75-percent reduction in the level of the statewide disposal of organic waste from the 2014 level by 2025.

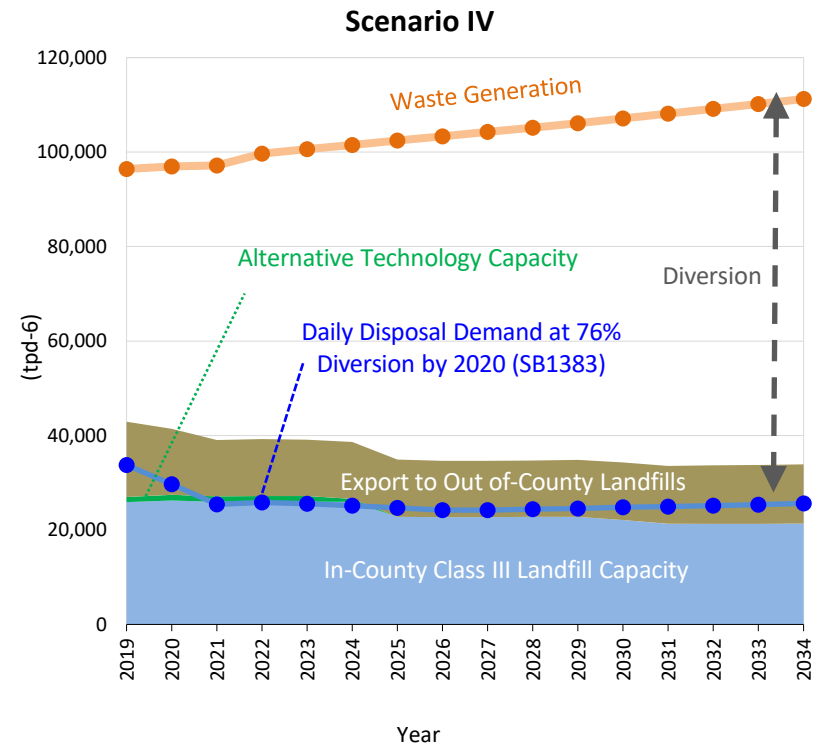
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that export to out-of-County landfills will continue at the current rate through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is not expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 27: Meeting Senate Bill 1383 Organic Waste Reduction Disposal Targets Scenario**



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#### *Scenario V – Utilization of Additional Alternative Technology Capacity*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Use of Exports to Out-of-County Landfills
- Additional Alternative Technology Capacity

Along with the assumptions mentioned in Scenario II, Scenario V assumes the use of additional capacity from other alternative technology facilities (e.g., EMSW conversion facilities). The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a countywide diversion rate to 65-percent throughout the planning period, and no expansions of existing landfills.

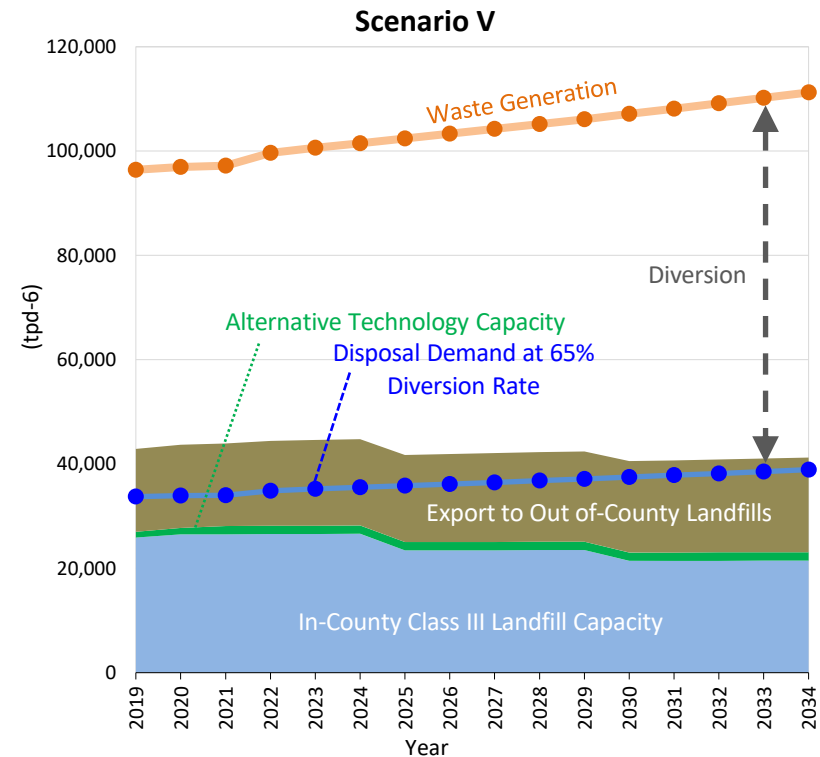
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that export to out-of-County landfills will continue at the current rate through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is not expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 29: “Utilization of Additional Alternative Technology Capacity” Scenario**



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#### *Scenario VI – Increase in Exports to Out-of-County Landfills*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Increase in Exports to Out-of-County Landfills (excluding potential waste-by-rail capacity)

Along with the assumptions mentioned in Scenario II, Scenario V assumes an increase in exports to out-of-County landfills (up to 20,000 tpd). The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a countywide diversion rate to 65-percent throughout the planning period, and no expansions of existing landfills.

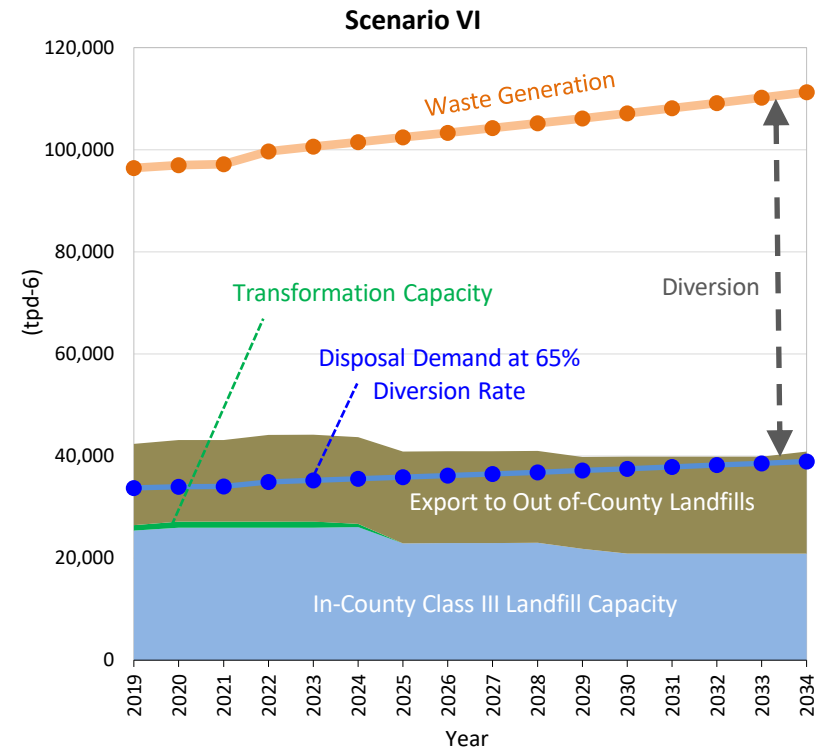
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that export to out-of-County landfills will increase up to 20,000 tpd through the remainder of the planning period.

Based on these assumptions, a shortfall in disposal capacity is *not* expected to occur in this scenario during the planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 28: Increase in Exports to Out-of-County Landfills Scenario**



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#### *Scenario VII - All Solid Waste Management Options Considered Become Available*

##### **Assumptions/Considerations:**

- Use of Existing Permitted In-County Class III Landfills and Transformation Facilities
- Increase in Exports to Out-of-County Landfills through use of potential waste-by-rail capacity
- Additional Alternative Technology Capacity

Scenario VII considers all solid waste management options become available throughout the entire planning period. The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a gradual increase of the countywide diversion rate to 75-percent by 2020, and no expansions of existing landfills.

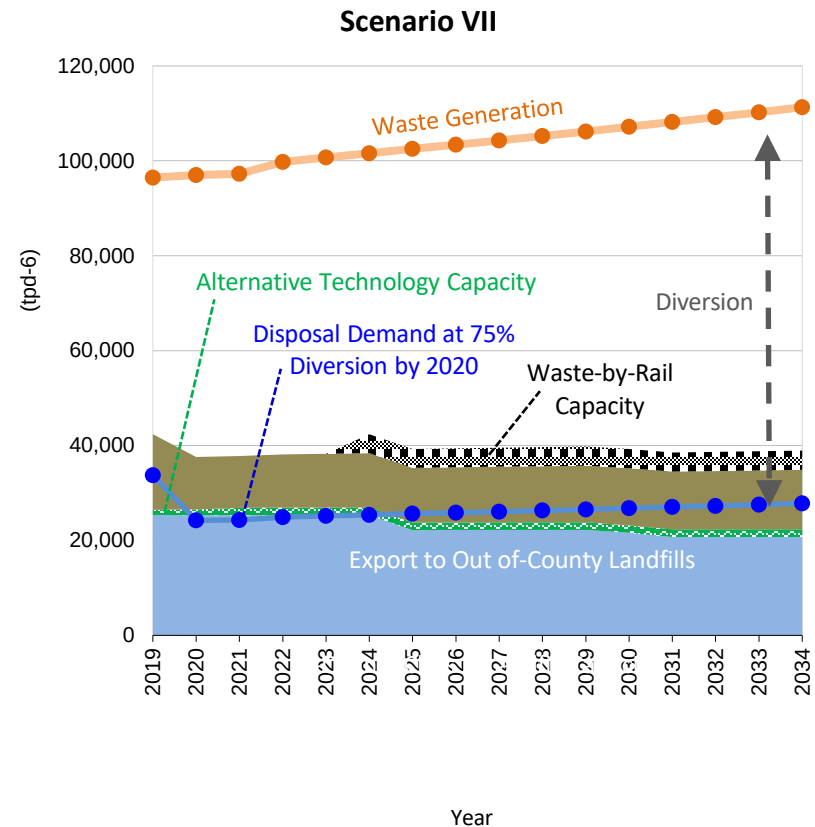
The following assumptions are made with respect to imports and exports:

**Imports** – The average waste import rate for 2019 was 541 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 600 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2019 was approximately 15,929 tpd and it is assumed that export to out-of-County landfills will continue at the current rate through the remainder of the planning period. In addition, a potential waste-by-rail capacity of 4,000 tpd is assumed to be available in the future.

Based on these assumptions, a shortfall in disposal capacity is not expected to occur in this scenario during the 15-year planning period. For more detailed data, refer to **Appendix E-3**.

**Figure 29: All Solid Waste Management Options Considered Become Available Scenario**



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#### Out-of-County Disposal Facilities

The scenario analysis considers both the current projected availability of active landfills and the potential availability of landfills that are not yet active at the following out-of-County locations:

*El Sobrante Landfill, Riverside County (Active)* – The landfill has an estimated remaining capacity of 142 million tons and an expected design lifespan of about 39 years, as of December 31, 2019. It is permitted to receive 16,054 tpd of waste for disposal. In 2019, the landfill received an average of 10,960 tpd, of which 4,929 tpd were imported from Los Angeles County.

*Frank R. Bowerman Sanitary Landfill, Olinda Alpha Sanitary Landfill, and Prima Deshecha Sanitary Landfill, Orange County (Active)* – These three landfills have estimated remaining capacities of 102 million tons, 143million tons, and 80 million tons, and have expected remaining lives of 34, 2, and 83 years, respectively. The permitted daily disposal of each respective landfill is 11,500 tpd, 8,000 tpd, and 4,000 tpd. Currently, Orange County has waste importation agreements with various entities in Los Angeles County. In 2019, Frank R. Bowerman Sanitary Landfill, Olinda Alpha Sanitary Landfill, and Prima Deshecha Sanitary Lanfill received 7,832 tpd, 7,089 tpd, and 1,879 tpd, respectively, of which, 2,156 tpd, 2,351 tpd, and 234 tpd were from Los Angeles County.

*H.M. Holloway Landfill, Inc., Kern County (Active)* – The landfill has a remaining capacity of 3 million tons and an expected design lifespan of about 10 years, as of December 31, 2019. It is permitted to receive 2,000 tpd of waste for disposal. In 2018, the landfill received an average of 1,412 tpd, of which 644 tpd were imported from Los Angeles County.

*Mid-Valley Sanitary Landfill and San Timoteo Sanitary Landfill, San Bernardino County (Active)* – These landfills have an estimated remaining capacity of 36 million tons and 6 million tons and have expected remaining lives of 31 and 23 years, respectively. The landfills are permitted to dispose of 7,500 tpd and 2,000 tpd, respectively. In 2019, Mid Valley Sanitary Landfill received an average of 3,575 tpd and San Timoteo Sanitary Landfill received an average of 880 tpd of solid waste, of which 1,884 tpd and 409 tpd were from Los Angeles County.

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*Simi Valley Landfill & Recycling Center, Ventura County (Active)* – The landfill has a remaining capacity of 48 million tons and an expected design lifespan of about 42 years, as of December 31, 2019. It is permitted to receive a maximum of 6,000 tpd of waste for disposal. The landfill received an average of 4,663 tpd of solid waste, of which 3,121 tpd were imported from Los Angeles County in 2019.

*Mesquite Regional Landfill, Imperial County (Not yet active)* – The Sanitation Districts acquired the landfill in 2002 and completed construction of all infrastructures on December 24, 2008. The landfill is permitted to accept up to 20,000 tpd and has a total disposal capacity of 660 million tons, which is equivalent to a lifespan of nearly 109 years.

For more detailed data on these facilities, refer to **Appendix E-2, Table 6** for more detailed data.

### Conclusion

The scenario analysis discussed earlier assesses the County's ability to meet the Daily Disposal Demand throughout the 15-year planning period under seven different scenarios. Three scenarios (Scenarios III, IV, and VII) assume an increase in diversion rate, considering all jurisdictions within the County comply with new state laws such as mandatory commercial recycling and the diversion of organics from landfills through organics recycling programs.

As demonstrated by the analysis, the County would be able to meet the disposal needs of all jurisdictions through the 15-year

planning period for Scenarios II through VII. However, as demonstrated by Scenario I, reliance on existing permitted in-County landfill capacity alone is insufficient in meeting the County's long-term disposal needs. To maintain adequate disposal capacity, individual jurisdictions within the County must continue to pursue all of the following strategies:

- ❖ **Maximize Waste Reduction and Recycling** – An increase in the Countywide diversion rate could significantly reduce the Daily Disposal Demand, extend landfill life, and ensure that the County, as a whole, will be able to meet the disposal needs of its residents and businesses. Therefore, all jurisdictions are strongly encouraged to continue to expand and enhance programs to maximize diversion.
- ❖ **Study, Promote, and Develop Alternative Technologies** – The development of commercial-scale state-of-the-art CTs as a convenient alternative to landfilling appears to be an attainable goal. Jurisdictions must invest and actively participate in the research, promotion, and development of alternative technology facilities by:
  - Supporting legislation that places these facilities above landfilling in the waste management hierarchy;
  - Entering into waste commitment agreements; and
  - Establishing partnerships with facilities and technology vendors.
- ❖ **Expand Transfer and Processing Infrastructure** – Development of additional in-County solid waste management infrastructure, such as transfer/processing,

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composting, and anaerobic digestion facilities, to assist jurisdictions in achieving higher diversion rates and facilitate the transport of solid waste to out-of-County landfills.

- ❖ **Out-of-County Disposal (including Waste-by-Rail)** – Individual jurisdictions within the County may use the out-of-County disposal option to achieve their solid waste management goals. Out-of-County disposal may not only be essential for the disposal of residual solid waste originating within the County in the future, but it may also supplement and extend the life of the current in-County disposal capacity. As the disposal capacity within the County continues to diminish, and the siting of new and/or expansion of existing Class III landfills becomes increasingly difficult, out-of-County disposal options, such as the waste-by-rail system, will become more essential to meet the County's disposal needs.

The assumptions made on the scenario analysis are consistent with the goals and policies established in the CSE as well as recently passed legislation, such as mandatory commercial recycling and the diversion of organic waste from landfills through organics recycling programs, as well as information contained in CalRecycle's State of Disposal and Recycling in California Report, released on August 2017. The County acknowledges that although all the scenarios assume an increase in diversion rate, there will be significant challenges in developing the processing capacity needed by the 2020 deadline. Therefore, maintaining adequate reserve (excess)

capacity will be essential in ensuring that the disposal needs of the County are met throughout the 15-year planning period.

It should be noted that future conditions considered in this report are projections, and may change based on several factors, such as decisions made by the 89 individual jurisdictions or their waste management service providers and on other conditions such as changes in regulatory requirements, disposal rates, fuel costs, and traffic congestion.

Nevertheless, the preceding scenario analyses provide a useful tool to assess the ability of individual jurisdictions within the County to meet the disposal needs of their residents and businesses under various conditions. Given that solid waste disposal is an essential public service, it must be provided without interruption to protect the health and safety of the public as well as the environment. Accordingly, major concerted actions must continue to be taken by individual jurisdictions towards expanding and enhancing waste reduction and recycling programs and implementing prudent solid waste management strategies.

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**JURISDICTION/REGIONAL AGENCY CONTACT**

**Primary Contacts**

COBY SKYE  
Assistant Deputy Director  
Environmental Programs Division

Phone: (626) 458-3500  
Fax: (626) 979-5389  
E-Mail: CSKYE@dpw.lacounty.gov

**Mailing Address**

County of Los Angeles Department of Public Works  
Environmental Programs Division  
P.O. Box 1460  
Alhambra, CA 91802-1460

**Secondary Contacts**

CARLOS RUIZ  
Assistant Division Engineer  
Environmental Programs Division

Phone: (626) 458-3501  
Fax: (626) 979-5389  
E-Mail: CARUIZ@dpw.lacounty.gov

PATRICK HOLLAND  
Assistant Division Engineer  
Environmental Programs Division

Phone: (626) 458-3502  
Fax: (626) 979-5389  
E-Mail: PHOLLAND@dpw.lacounty.gov

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**APPENDIX E-1 SOLID WASTE FACILITY FACT SHEETS**

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***Antelope Valley Recycling and Disposal Facility***

**1. FACILITY INFORMATION**

|                                                               |                                                       |
|---------------------------------------------------------------|-------------------------------------------------------|
| <b>Owner:</b> Waste Management of California, Inc.            | <b>Operator:</b> Waste Management of California, Inc. |
| <b>Address:</b> 1200 West City Ranch Road, Palmdale, CA 93551 | <b>Operating Days:</b> Monday-Saturday                |
| <b>SWFP No:</b> 19-AA-5624                                    | <b>SWFP Issue Date:</b> 08/13/2018                    |
| <b>Last 5-year Review Date:</b> 11/16/2016                    | <b>5-year Review Due Date:</b> 11/10/2021             |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                                               |                        |
|--------------------------------------|-------------------------------------------------------------------------------|------------------------|
| <b>Remaining Permitted Capacity:</b> | 10,974,343                                                                    | 14,632,457 cubic yards |
| <b>Estimated Remaining Life:</b>     | 18 years (based on average daily of disposal of 2,113 tpd, 307 days per year) |                        |
| <b>In-Place Density:</b>             | 0.75 tons/cubic yard                                                          |                        |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 3,600 tons       | [4,800 cubic yards]     |
| <b>Yearly Equivalent:</b> | [1,123,200 tons] | [1,497,600 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|               |            |                     |
|---------------|------------|---------------------|
| <b>Daily:</b> | 2,113 tons | [2,817 cubic yards] |
|---------------|------------|---------------------|

**5. LAND USE/CONDITIONAL USE PERMIT**

|                          |                              |
|--------------------------|------------------------------|
| <b>Permit No.:</b> 98-12 | <b>Effective:</b> 06/21/2011 |
|                          | <b>Modified:</b> 01/11/2018  |

**6. WASTE DISCHARGE REQUIREMENTS**

|                                 |                              |
|---------------------------------|------------------------------|
| <b>Order No.:</b> R6V-2012-0042 | <b>Effective:</b> 10/10/2001 |
|---------------------------------|------------------------------|

**7. FOC GRANT DATE – October 18, 2018**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - No plans at this time**

**10. RESTRICTIONS - There is no wasteshed or restriction on origin of waste. Based on the SWFP, the landfill is permitted to receive 3,600 tpd of MSW and 1,764 tpd of materials for recycling and beneficial use.**

**11. REMARKS/STATUS - The City of Palmdale approved the expansion of Antelope Valley Landfill, which consolidates Unit 1 and Unit 2, on June 9, 2011**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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#### *Azusa Land Reclamation Company Landfill*

##### 1. FACILITY INFORMATION

**Owner:** Azusa Land Reclamation Inc.

**Operator:** Azusa Land Reclamation Inc.

**Address:** 1211 West Gladstone Street, Azusa, CA 91702

**SWFP No:** 19-AA-0013

**Last 5-year Review Date:** 03/10/2016

**Operating Days:** Monday-Friday

**SWFP Issue Date:** 11/12/2014

**5-year Review Due Date:** 03/10/2021

##### 2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)

**Remaining Permitted Capacity:** 58,841,274 tons [47,073,019 cubic yards]

**Estimated Remaining Life:** Information not provided by operator

**In-Place Density:** 1.25 tons/cubic yard

##### 3. MAXIMUM PERMITTED DAILY CAPACITY

**Daily:** 8,000 tons [6,400 cubic yards]

**Yearly Equivalent:** [2,080,000 tons] [1,664,000 cubic yards]

##### 4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)

**Daily:** 1,038 tons [830 cubic yards]

##### 5. LAND USE/CONDITIONAL USE PERMIT

**Permit No.:** Owner Participation Agreement No.1 (incorporated CUP No. C-151 of 4/9/75)

**Effective:** 01/27/1984

**Expiration:** None

##### 6. WASTE DISCHARGE REQUIREMENTS

**Order No.:** R4-2009-0098

**Effective:** 09/03/2009

##### 7. FOC GRANT DATE – 05/16/1996

##### 8. PERMITTED WASTE TYPES – Inert Solid waste

##### 9. FUTURE LAND USE - Open space

##### 10. RESTRICTIONS - 8,000 tpd per SWFP. Only accepts inert solid waste.

##### 11. REMARKS/STATUS - By Court Order, on October 2, 1996, the California Regional Water Quality Control Board-Los Angeles region ordered the Azusa Land Reclamation Landfill to stop accepting Municipal Solid Waste. Facility currently accepts inert waste only.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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*Burbank Landfill No. 3*

1. **FACILITY INFORMATION**

**Owner:** City of Burbank - DPW

**Operator:** City of Burbank - DPW

**Address:** 3000 North Bel Aire, Burbank, CA 91504

**SWFP No.:** 19-AA-0040

**Last 5-year Review Date:** 07/11/2016

**Operating Days:** Monday-Friday

**SWFP Issue Date:** 06/03/1997

**5-year Review Due Date:** 07/11/2021

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

**Remaining Permitted Capacity:** [2,663,970 tons] 4,843,582 cubic yards  
**Estimated Remaining Life:** 110 years (based on average daily disposal of 130 tpd, 261 days per year)  
**In-Place Density:** 0.55 tons/cubic yard

3. **MAXIMUM PERMITTED DAILY CAPACITY**

**Daily:** 240 tons [436 cubic yards]  
**Yearly Equivalent:** [62,400] [113,455 cubic yards]

4. **2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

**Daily (based on 6 days):** 123 tons [224 cubic yards]

5. **LAND USE/CONDITIONAL USE PERMIT**

**Permit No.:** 2000-16

**Effective:** 11/13/2000

**Expiration:** None

6. **WASTE DISCHARGE REQUIREMENTS**

**Order No.:** 93-062 **Effective:** 09/27/1993  
**Order No.:** R4-2002-0154 **Effective:** 09/26/2002  
**Order No.:** R4-2006-0007 **Effective:** 01/19/2006  
**Order No.:** R4-2011-0052 **Effective:** 03/03/2011  
**Order No.:** R4-2015-0069 **Effective:**

7. **FOC GRANT DATE** – 12/18/1986

8. **PERMITTED WASTE TYPES** - Solid waste

9. **FUTURE LAND USE** - Irrigated open space.

10. **RESTRICTIONS** - Origin of waste limited to the City of Burbank and is not open to the public.

11. **REMARKS/STATUS** - Limited to the City of Burbank use only.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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***Calabasas Landfill***

**1. FACILITY INFORMATION**

|                                                                                                    |                                                                         |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>Owner:</b> County of Los Angeles                                                                | <b>Operator:</b> County Sanitation District No. 2 of Los Angeles County |
| <b>Address:</b> 5300 Lost Hills Road, Agoura, CA 91301<br>(Los Angeles County unincorporated area) | <b>Operating Days:</b> Monday-Saturday                                  |
| <b>SWFP No.:</b> 19-AA-0056                                                                        | <b>SWFP Issue Date:</b> 04/04/2016                                      |
| <b>Last 5-year Review Date:</b> 03/25/2016                                                         | <b>5-year Review Due Date:</b> 08/11/2019                               |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                                           |                       |
|--------------------------------------|---------------------------------------------------------------------------|-----------------------|
| <b>Remaining Permitted Capacity:</b> | 4,315,593 tons                                                            | 9,734,966 cubic yards |
| <b>Estimated Remaining Life:</b>     | 8 years (based on average daily disposal of 1,932 tpd, 305 days per year) |                       |
| <b>In-Place Density:</b>             | [0.443 tons/cubic yard]                                                   |                       |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 3,500 tons       | [7,901 cubic yards]     |
| <b>Yearly Equivalent:</b> | [1,081,500 tons] | [2,441,309 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|               |            |                     |
|---------------|------------|---------------------|
| <b>Daily:</b> | 1,946 tons | [4,393 cubic yards] |
|---------------|------------|---------------------|

**5. LAND USE/CONDITIONAL USE PERMIT**

|                             |                              |                         |
|-----------------------------|------------------------------|-------------------------|
| <b>Permit No.:</b> 5022-(5) | <b>Effective:</b> 08/23/1972 | <b>Expiration:</b> None |
|-----------------------------|------------------------------|-------------------------|

**6. WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> 93-062       | <b>Effective:</b> 09/27/1993 |
| <b>Order No.:</b> R4-2006-0007 | <b>Effective:</b> 01/19/2006 |
| <b>Order No.:</b> R4-2009-0088 | <b>Effective:</b> 07/16/2009 |
| <b>Order No.:</b> R4-2011-0052 | <b>Effective:</b> 03/03/2011 |

**7. FOC GRANT DATE – None**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - Open space**

**10. RESTRICTIONS - Origin of waste is limited to that generated in the Calabasas Wasteshed as defined by Los Angeles County Ordinance No. 91-0003.**

**11. REMARKS/STATUS - Limited to the Calabasas Wasteshed as defined by Los Angeles County Ordinance No. 91-0003.**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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*Chiquita Canyon Landfill*

1. **FACILITY INFORMATION**

|                                                                                                       |                                           |
|-------------------------------------------------------------------------------------------------------|-------------------------------------------|
| <b>Owner:</b> Waste Connections, Inc.                                                                 | <b>Operator:</b> Waste Connections, Inc.  |
| <b>Address:</b> 29201 Henry Mayo Drive, Castaic, CA 91384<br>(Los Angeles County unincorporated area) | <b>Operating Days:</b> Monday-Saturday    |
| <b>SWFP No.:</b> 19-AA-0052                                                                           | <b>SWFP Issue Date:</b> 10/19/2018        |
| <b>Last 5-year Review Date:</b> 10/18/2016                                                            | <b>5-year Review Due Date:</b> 10/18/2021 |

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                         |                          |
|--------------------------------------|---------------------------------------------------------|--------------------------|
| <b>Remaining Permitted Capacity:</b> | 56,989,174 tons                                         | [57,974,745 cubic yards] |
| <b>Estimated Remaining Life:</b>     | 28 years (based on average daily disposal of 1,914 tpd) |                          |
| <b>In-Place Density:</b>             | 0.983 tons/cubic yard                                   |                          |

3. **MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 12,000 tons      | [12,208 cubic yards]    |
| <b>Weekly:</b>            | 60,000 tons      | [61,038 cubic yards]    |
| <b>Yearly Equivalent:</b> | [3,120,000 tons] | [3,173,957 cubic yards] |

4. **2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |            |                     |
|---------------------------------|------------|---------------------|
| <b>Daily (based on 6 days):</b> | 5,525 tons | [5,621 cubic yards] |
|---------------------------------|------------|---------------------|

5. **LAND USE/CONDITIONAL USE PERMIT**

|                                   |                              |                                                                                             |
|-----------------------------------|------------------------------|---------------------------------------------------------------------------------------------|
| <b>Permit No.:</b> 89-081(5)      | <b>Effective:</b> 11/17/1997 | <b>Expiration:</b> 11/24/2019 or when the maximum capacity is reached, whichever is sooner. |
| <b>Permit No.:</b> 2004-00042-(5) | <b>Effective:</b> 07/25/2017 | <b>Expiration:</b> 07/26/2047                                                               |

6. **WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> 93-062       | <b>Effective:</b> 09/27/1993 |
| <b>Order No.:</b> 98-086       | <b>Effective:</b> 11/02/1998 |
| <b>Order No.:</b> R4-2006-0007 | <b>Effective:</b> 01/19/2006 |
| <b>Order No.:</b> R4-2011-0052 | <b>Effective:</b> 03/03/2011 |
| <b>Order No.:</b> R4-2018-0172 | <b>Effective:</b>            |

7. **FOC GRANT DATE** - 2018

8. **PERMITTED WASTE TYPES** - Solid waste

9. **FUTURE LAND USE** - Non-irrigated open space

10. **RESTRICTIONS** - Landfill cannot accept biosolids (water and wastewater sludge). There is no wasteshed restriction on origin of waste.

11. **REMARKS/STATUS** - The current Conditional Use Permit 89-081(5) (CUP) expired in June 2016 when the landfill reached its fill capacity limits. However, Department of Regional Planning issued a "Clean Hands Waiver" on March 17, 2016, allowing the landfill to continue its operation while processing the new CUP application. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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***Lancaster Landfill and Recycling Center***

**1. FACILITY INFORMATION**

|                                                                                                      |                                                       |
|------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>Owner:</b> Waste Management of California, Inc.                                                   | <b>Operator:</b> Waste Management of California, Inc. |
| <b>Address:</b> 600 East Avenue "F", Lancaster, CA 93535<br>(Los Angeles County Unincorporated Area) | <b>Operating Days:</b> Monday-Saturday                |
| <b>SWFP No.:</b> 19-AA-0050                                                                          | <b>SWFP Issue Date:</b> 02/19/2013                    |
| <b>Last 5-year Review Date:</b> 02/19/2018                                                           | <b>5-year Review Due Date:</b> 02/19/2023             |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                 |                        |
|--------------------------------------|-------------------------------------------------|------------------------|
| <b>Remaining Permitted Capacity:</b> | 9,949,485 tons                                  | 13,265,980 cubic yards |
| <b>Estimated Remaining Life:</b>     | 22 years (based on Land Use Permit Restriction) |                        |
| <b>In-Place Density:</b>             | 0.75 tons/cubic yard                            |                        |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                |                         |
|---------------------------|----------------|-------------------------|
| <b>Daily:</b>             | 3,000 tons     | [4,000 cubic yards]     |
| <b>Yearly Equivalent:</b> | [936,000 tons] | [1,248,000 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |          |                   |
|---------------------------------|----------|-------------------|
| <b>Daily (based on 6 days):</b> | 363 tons | [484 cubic yards] |
|---------------------------------|----------|-------------------|

**5. LAND USE/CONDITIONAL USE PERMIT**

|                               |                              |                                                                                         |
|-------------------------------|------------------------------|-----------------------------------------------------------------------------------------|
| <b>Permit No.:</b> 03-170-(5) | <b>Effective:</b> 08/01/2012 | <b>Expiration:</b> 10/19/2041 or when limit of fill is reached, whichever occurs first. |
|-------------------------------|------------------------------|-----------------------------------------------------------------------------------------|

**6. WASTE DISCHARGE REQUIREMENTS**

|                                 |                              |
|---------------------------------|------------------------------|
| <b>Order No.:</b> R6V-2016-0037 | <b>Effective:</b> 06/14/2000 |
|---------------------------------|------------------------------|

**7. FOC GRANT DATE - 05/18/2013**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - Open space**

**10. RESTRICTIONS - The Landfill cannot accept more than 10 tpd of biosolids (sewage sludge). There is no wasteshed restriction on origin of waste. Based on the SWFP, the landfill accepts 3,000 tpd of refuse and 2,100 tpd of inert debris and beneficial use.**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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***Mesquite Regional Landfill***

***(Out-of-County Landfill)***

**1. FACILITY INFORMATION**

|                                                           |                                                                                    |
|-----------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Owner:</b> County of Los Angeles Sanitation District 2 | <b>Operator:</b> County of Los Angeles Sanitation District 2 of Los Angeles County |
| <b>Address:</b> 6502 E Hwy 78, Brawley 92227              | <b>Operating Days:</b> Not yet operational                                         |
| <b>SWFP No.:</b> 13-AA-0026                               | <b>SWFP Issue Date:</b> 04/08/97                                                   |
| <b>Last 5-year Review Date:</b> 10/03/2016                | <b>5-year Review Due Date:</b> 10/03/2021                                          |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                      |                             |
|--------------------------------------|----------------------|-----------------------------|
| <b>Remaining Permitted Capacity:</b> | [660,000,000 tons]   | [1,100,000,000 cubic yards] |
| <b>Estimated Remaining Life:</b>     | 109 years            |                             |
| <b>In-Place Density:</b>             | 0.60 tons/cubic yard |                             |

**3. MAXIMUM PERMITTED CAPACITY**

|                           |                    |                            |
|---------------------------|--------------------|----------------------------|
| <b>Daily:</b>             | 20,000 tons        | [33,333 cubic yards]       |
| <b>Yearly Equivalent:</b> | [7.3 million tons] | [12.2 million cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED**

**Daily:** Not yet operational

**5. LAND USE/CONDITIONAL USE PERMIT**

|                               |                              |                                     |
|-------------------------------|------------------------------|-------------------------------------|
| <b>Permit No.:</b> NO. 060003 | <b>Effective:</b> 04/27/2011 | <b>Expiration:</b> To Be Determined |
|-------------------------------|------------------------------|-------------------------------------|

**6. WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> R7-2009-0003 | <b>Effective:</b> 06/18/2009 |
|--------------------------------|------------------------------|

**7. PERMITTED WASTE TYPES - Solid Waste**

**8. FUTURE LAND USE – Disposal**

**9. RESTRICTIONS/CURRENT STATUS**

In February 2007, the Sanitation Districts submitted an application to Imperial County to amend the Mesquite Regional Landfill CUP for the receipt of up to 4,000 tpd of municipal solid waste by truck. Once the waste-by-rail system is operational, the ability to receive waste by truck will provide operational flexibility with the ability to ramp up until enough tonnage is received to make up a unit train.

Imperial County Planning and Development Services issued a Notice of Availability of the Final Subsequent EIR on October 6, 2010. The Board of Supervisors held a public hearing on the project on April 5, 2011, and subsequently approved the CUP. The Sanitation Districts also obtained a revised Solid Waste Facility Permit (SWFP) from CalRecycle/Local Enforcement Agency on October 1, 2011 for truck haul and other entitlements granted by the new CUP.

**Note:** Calculated or assumed quantities are shown in bracket.

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***Pebble Beach Landfill***

**1. FACILITY INFORMATION**

|                                 |                                                                           |                                |                                                               |
|---------------------------------|---------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------|
| <b>Owner:</b>                   | City of Avalon                                                            | <b>Operator:</b>               | Consolidated Disposal Services dba Seagull Sanitation Systems |
| <b>Address:</b>                 | 1 Dump Road, Avalon, CA 90704<br>(Los Angeles County Unincorporated Area) | <b>Operating Days:</b>         | Monday-Sunday                                                 |
| <b>SWFP No.:</b>                | 10-AA-0061                                                                | <b>SWFP Issue Date:</b>        | 04/10/2001                                                    |
| <b>Last 5-year Review Date:</b> | 04/30/2015                                                                | <b>5-year Review Due Date:</b> | 04/30/2020                                                    |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                                        |                    |
|--------------------------------------|------------------------------------------------------------------------|--------------------|
| <b>Remaining Permitted Capacity:</b> | [50,915 tons]                                                          | 50,915 cubic yards |
| <b>Estimated Remaining Life:</b>     | 9 years (based on average daily disposal of 15 tpd, 365 days per year) |                    |
| <b>In-Place Density:</b>             | 0.75-1.25 tons/cubic yard                                              |                    |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |             |                      |
|---------------------------|-------------|----------------------|
| <b>Daily:</b>             | 49 tons     | [49 cubic yards]     |
| <b>Yearly Equivalent:</b> | 17,885 tons | [17,885 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |         |                 |
|---------------------------------|---------|-----------------|
| <b>Daily (based on 6 days):</b> | 12 tons | [12cubic yards] |
|---------------------------------|---------|-----------------|

**5. LAND USE/CONDITIONAL USE PERMIT**

|                    |            |                   |            |                    |            |
|--------------------|------------|-------------------|------------|--------------------|------------|
| <b>Permit No.:</b> | 96-162-(4) | <b>Effective:</b> | 07/29/1998 | <b>Expiration:</b> | 07/02/2028 |
|--------------------|------------|-------------------|------------|--------------------|------------|

**6. WASTE DISCHARGE REQUIREMENTS**

|                   |              |                   |            |
|-------------------|--------------|-------------------|------------|
| <b>Order No.:</b> | R4-2002-0058 | <b>Effective:</b> | 02/28/2002 |
| <b>Order No.:</b> | R4-2011-0052 | <b>Effective:</b> | 03/03/2011 |
| <b>Order No.:</b> | R4-2011-0165 | <b>Effective:</b> | 11/07/2011 |

**7. FOC GRANT DATE - 01/21/1999**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - Open space**

**10. RESTRICTIONS - There is no wasteshed restriction on origin of waste. However, due to its location on Santa Catalina Island, only the City of Avalon and adjacent unincorporated County areas have access to this facility. Based on the SWFP, no Haz-Mat, designated waste, medical waste, or liquids accepted at the facility. Sewage must be at least 50 percent solids on sludge.**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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***San Clemente Island Landfill***

**1. FACILITY INFORMATION**

|                                            |                                              |
|--------------------------------------------|----------------------------------------------|
| <b>Owner:</b> U.S. Department of the Navy  | <b>Operator:</b> U.S. Department of the Navy |
| <b>Address:</b> San Clemente Island, CA    | <b>Operating Days:</b> 2 days/week           |
| <b>SWFP No.:</b> 19-AA-0063                | <b>SWFP Issue Date:</b> 06/24/1997           |
| <b>Last 5-year Review Date:</b> 04/22/2018 | <b>5-year Review Due Date:</b> 04/22/2023    |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                                          |                     |
|--------------------------------------|--------------------------------------------------------------------------|---------------------|
| <b>Remaining Permitted Capacity:</b> | [19,469 tons]                                                            | 155,754 cubic yards |
| <b>Estimated Remaining Life:</b>     | 20 years (based on maximum permitted rate of 9.6 tpd, 104 days per year) |                     |
| <b>In-Place Density:</b>             | 0.125 tons/cubic yard                                                    |                     |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |          |                     |
|---------------------------|----------|---------------------|
| <b>Daily:</b>             | 9.6 tons | [77 cubic yards]    |
| <b>Yearly Equivalent:</b> | 991 tons | [7,928 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |       |                  |
|---------------------------------|-------|------------------|
| <b>Daily (based on 6 days):</b> | 4 ton | [33 cubic yards] |
|---------------------------------|-------|------------------|

**5. LAND USE/CONDITIONAL USE PERMIT – Not Applicable**

**6. WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> R4-2004-0057 | <b>Effective:</b> 04/01/2004 |
| <b>Order No.:</b> R4-2010-0045 | <b>Effective:</b> 03/04/2010 |

**7. FOC GRANT DATE – None**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - Open space. None.**

**10. RESTRICTIONS - This landfill is used solely by the U.S. Department of the Navy. SWFP is still under review by CalRecycle as they address new Title 27 methane monitoring requirements.**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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***Scholl Canyon Landfill***

**1. FACILITY INFORMATION**

**Owner:** City of Glendale & County of Los Angeles

**Operator:** County Sanitation District No. 2 of Los Angeles County

**Address:** 7721 N. Figueroa St, Los Angeles, CA, 90041

**SWFP No.:** 19-AA-0012

**Last 5-year Review Date:** 12/13/2016

**Operating Days:** Monday-Saturday

**SWFP Issue Date:** 12/13/2011

**5-year Review Due Date:** 12/13/2021

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                                           |                       |
|--------------------------------------|---------------------------------------------------------------------------|-----------------------|
| <b>Remaining Permitted Capacity:</b> | 3,829,036 tons                                                            | 6,453,747 cubic yards |
| <b>Estimated Remaining Life:</b>     | 9 years (based on average daily disposal of 1,495 tpd, 311 days per year) |                       |
| <b>In-Place Density:</b>             | [0.593 tons/cubic yard]                                                   |                       |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 3,400 tons       | [5,734 cubic yards]     |
| <b>Yearly Equivalent:</b> | [1,050,600 tons] | [1,771,669 cubic yards] |

**4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |            |                     |
|---------------------------------|------------|---------------------|
| <b>Daily (based on 6 days):</b> | 1,527 tons | [2,575 cubic yards] |
|---------------------------------|------------|---------------------|

**5. LAND USE/CONDITIONAL USE PERMIT**

|                                             |                              |
|---------------------------------------------|------------------------------|
| <b>Permit No.:</b> 6668-U (Zoning Variance) | <b>Effective:</b> 10/07/1997 |
|---------------------------------------------|------------------------------|

**6. WASTE DISCHARGE REQUIREMENTS**

|                                |                               |
|--------------------------------|-------------------------------|
| <b>Order No.:</b> 01-132       | <b>Effective:</b> 09/19/2001; |
| <b>Order No.:</b> R4-2011-0052 | <b>Effective:</b> 03/03/2011  |

**7. FOC GRANT DATE - None**

**8. PERMITTED WASTE TYPES - Solid waste**

**9. FUTURE LAND USE - Open space**

**10. RESTRICTIONS - The use of the Landfill is restricted by the City of Glendale Ordinance 4780 to the County of Los Angeles Cities of Glendale, La Canada Flintridge, Pasadena, South Pasadena, San Marino, and Sierra Madre; and the Los Angeles County unincorporated areas of Altadena, La Crescenta, Montrose; the unincorporated area bordered by the incorporated cities of San Gabriel, Rosemead, Temple City, Arcadia and Pasadena; and the unincorporated area immediately to the north of the City of San Marino bordered by the City of Pasadena on the west, north, and east sides.**

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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### Los Angeles County Countywide Integrated Waste Management Plan

#### *Southeast Resource Recovery Facility (SERRF)*

##### 1. FACILITY INFORMATION

**Owner:** Southeast Resource Recovery Facility Authority, a joint powers authority consisting of the City of Long Beach and the Los Angeles County Sanitation District No. 2

**Operator:** City of Long Beach

**Address:** 120 Henry Ford Avenue, Long Beach, CA 90802

**Operating Days:** Monday-Friday (receive)  
Monday-Sunday (process)

**SWFP No.:** 19-AK-0083

**Last 5-year Review Date:** 08/27/2014

**SWFP Issue Date:** 08/19/2015

**5-year Review Due Date:** 07/29/2019

##### 2. MAXIMUM PERMITTED DAILY CAPACITY

**Daily:** 2,240 tons (SWFP Requirement)

##### 3. 2019 AVERAGE TRANSFORMED WASTE QUANTITIES (INCLUDING IMPORT QUANTITIES)

**Daily Received:** 1,235 tpd (based on 6 days)

**Daily Processed:** 1,234 tpd

##### 4. LAND USE/CONDITIONAL USE PERMIT

**Permit No.:** HDP-84174

##### 5. WASTE DISCHARGE REQUIREMENTS - Not Applicable

##### 6. PERMITTED WASTE TYPES - Solid waste

##### 7. FOC GRANT DATE - 09/18/1997

##### 8. FUTURE LAND USE - Not applicable

##### 9. RESTRICTIONS - There is no wasteshed or restriction on origin of waste. 2,240 tpd per SWFP.

##### 10. REMARKS/STATUS - SERRF will continue to operate until June 2024 at its current average daily rate during the planning period. The city of Long Beach has announced an amended agreement to provide for the continued operation of SERRF and allow for opportunities to process higher-value waste. The owner and operator of SERRF has indicated that there are no plans to increase the permitted daily capacity.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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*Sunshine Canyon City/County Landfill*

1. **FACILITY INFORMATION**

|                                                       |                                           |
|-------------------------------------------------------|-------------------------------------------|
| <b>Owner:</b> Republic Services, Inc.                 | <b>Operator:</b> Republic Services, Inc.  |
| <b>Address:</b> 14747 San Fernando Road, Sylmar 91342 | <b>Operating Days:</b> Monday-Saturday    |
| <b>SWFP No.:</b> 19-AA-2000                           | <b>SWFP Issue Date:</b> 07/07/2008        |
| <b>Last 5-year Review Date:</b> 12/30/2013            | <b>5-year Review Due Date:</b> 12/27/2023 |

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2019)**

|                                      |                                                             |                        |
|--------------------------------------|-------------------------------------------------------------|------------------------|
| <b>Remaining Permitted Capacity:</b> | [55,157,941tons]                                            | 69,776,017 cubic yards |
| <b>Estimated Remaining Life:</b>     | 18 years (based on the current SWPF estimated closure date) |                        |
| <b>In-Place Density:</b>             | [0.79 tons/cubic yard]                                      |                        |

3. **MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 12,100 tons      | [15,316 cubic yards]    |
| <b>Yearly Equivalent:</b> | [3,775,200 tons] | [4,778,734 cubic yards] |

4. **2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |            |                     |
|---------------------------------|------------|---------------------|
| <b>Daily (based on 6 days):</b> | 6,387 tons | [8,080 cubic yards] |
|---------------------------------|------------|---------------------|

5. **LAND USE/CONDITIONAL USE PERMIT**

|                               |                              |                                                                                           |
|-------------------------------|------------------------------|-------------------------------------------------------------------------------------------|
| <b>Permit No.:</b> 00-194-(5) | <b>Effective:</b> 02/06/2006 | <b>Expiration:</b> 01/29/2037 or when landfill capacity is exhausted, whichever is sooner |
|-------------------------------|------------------------------|-------------------------------------------------------------------------------------------|

6. **WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> 93-062       | <b>Effective:</b> 09/27/1993 |
| <b>Order No.:</b> R4-2006-0007 | <b>Effective:</b> 01/19/2006 |
| <b>Order No.:</b> R4-2007-0064 | <b>Effective:</b> 12/06/2007 |
| <b>Order No.:</b> R4-2008-0088 | <b>Effective:</b> 10/02/2008 |
| <b>Order No.:</b> R4-2011-0052 | <b>Effective:</b> 03/03/2011 |

7. **FOC GRANT DATE** – 12/18/2008

8. **PERMITTED WASTE TYPES** - Solid waste

9. **FUTURE LAND USE** - Open space

10. **RESTRICTIONS** - The Landfill cannot accept incinerator ash or biosolids (sewage sludge). The Landfill is prohibited from accepting any solid waste generated outside the County.

11. **REMARKS/STATUS** - On December 31, 2008, operations in the Sunshine Canyon County Landfill and the Sunshine Canyon City Landfill were combined into one to what is known as the Sunshine Canyon City/County Landfill.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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### Los Angeles County Countywide Integrated Waste Management Plan

#### *Whittier (Savage Canyon) Landfill*

##### 1. FACILITY INFORMATION

**Owner:** City of Whittier

**Address:** 13919 E. Penn St., Whittier, CA 90602

**Operator:** City of Whittier - DPW

**Operating Days:** Monday-Saturday

**SWFP No.:** 19-AH-0001

**Last 5-year Review Date:** 10/18/2018

**SWFP Issue Date:** 10/30/2013

**5-year Review Due Date:** 10/30/2023

##### 2. REMAINING PERMITTED CAPACITY (as of December 31, 2019)

**Remaining Permitted Capacity:** 4,447,108 tons [7,411,847 cubic yards]

**Estimated Remaining Life:** 36 years (based on the current SWPF estimated closure date)

**In-Place Density:** 0.60 tons/cubic yard

##### 3. MAXIMUM PERMITTED DAILY CAPACITY

**Daily:** 350 tons [583 cubic yards]

**Yearly Equivalent:** 109,200 tons [182,000 cubic yards]

##### 4. 2019 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)

**Daily (based on 6 days):** 297 tons [495 cubic yards]

##### 5. LAND USE/CONDITIONAL USE PERMIT

**Permit No.:** City Resolution No. 4907

**Effective:** 08/23/1977

**Expiration:** Completion of project

##### 6. WASTE DISCHARGE REQUIREMENTS

**Order No.** 93-062

**Effective:** 09/27/1993

**Order No.:** R4-2006-0007

**Effective:** 01/19/2006

**Order No.:** R4-2006-0080

**Effective:** 10/24/2006

**Order No.:** R4-2011-0052

**Effective:** 03/03/2011

##### 7. FOC GRANT DATE – 11/30/1978

##### 8. PERMITTED WASTE TYPES - Mixed municipal, Construction/demolition, Industrial, Green Materials, and Inert waste.

##### 9. FUTURE LAND USE - Open space

##### 10. RESTRICTIONS - Hazardous, radioactive, liquid, or medical waste are all prohibited per Chapter 6.1, Division 20 of California Health and Safety Code.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of May 2020. Calculated or assumed quantities are shown in brackets.

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## **APPENDIX E-2: TABLES**

**Table 4 - Remaining Permitted Capacity of Existing Solid Waste Disposal Facilities in Los Angeles County**

**Table 5 - Summary of Existing Inert Debris Disposal Sites in Los Angeles County**

**Table 6 - Out-of-County Landfills Currently Available for Use by Jurisdictions in Los Angeles County**

**Table 7 - Population, Employment, Real Taxable Sales, and Waste Generation in Los Angeles County**

**Table 8 - Los Angeles County Solid Waste Disposal Capacity Need Projection**

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APPENDIX E-2 TABLE 4  
REMAINING PERMITTED DISPOSAL CAPACITY OF EXISTING SOLID WASTE DISPOSAL FACILITIES IN LOS ANGELES COUNTY

| Facility                    | Solid Waste<br><br>Facility<br>Permit<br>Number | Location<br><br>City or<br>Unincorporated Area | Permitted<br>Operation | SWFP<br><br>Maximum Daily<br>Capacity<br>(See Note 1) | LUP/CUP<br><br>Maximum<br>Daily Disposal<br>Capacity | 2019 Annual Disposal               |       |           | 2019 Average Daily Disposal |       |                 | Estimated Remaining Permitted |        | Remaining<br><br>Life | Tipping<br>Fee<br><br>(\$ per ton) | Comments                                                                                                          |
|-----------------------------|-------------------------------------------------|------------------------------------------------|------------------------|-------------------------------------------------------|------------------------------------------------------|------------------------------------|-------|-----------|-----------------------------|-------|-----------------|-------------------------------|--------|-----------------------|------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                             |                                                 |                                                |                        |                                                       |                                                      | (Million Tons)<br><br>(See Note 2) |       |           | (See Note 3)                |       |                 | (See Note 4)                  |        |                       |                                    |                                                                                                                   |
|                             |                                                 | days/week                                      | Tons                   | Tons                                                  | In-County                                            | Out-of-County                      | Total | In-County | Out-of-County               | Total | Million<br>Tons | Million (a)<br>Cubic Yards    | Years  |                       |                                    |                                                                                                                   |
|                             |                                                 |                                                |                        |                                                       |                                                      |                                    |       |           |                             |       |                 |                               |        |                       |                                    |                                                                                                                   |
|                             |                                                 |                                                |                        |                                                       |                                                      |                                    |       |           |                             |       |                 |                               |        |                       |                                    |                                                                                                                   |
| Antelope Valley             | 19-AA-5624                                      | Palmdale                                       | 6                      | 5,548                                                 | 1,800                                                | 0.638                              | 0.010 | 0.649     | 2,046                       | 33    | 2,079           | 10.97                         | 14.63  | 10                    | \$67.57                            | The City of Palmdale approved the expansion and combined Antelope Valley Landfills #1 & #2 on September 19, 2011. |
| Burbank                     | 19-AA-0040                                      | Burbank                                        | 5                      | 240                                                   | ---                                                  | 0.032                              | 0.000 | 0.032     | 103                         | 0     | 103             | 2.66                          | 4.84   | 34                    | \$45.25                            | Limited to the City of Burbank use only.                                                                          |
| Calabasas                   | 19-AA-0056                                      | Unincorporated Area                            | 6                      | 3,500                                                 | 3,500                                                | 0.263                              | 0.009 | 0.271     | 842                         | 28    | 870             | 4.32                          | 9.73   | 10                    | \$52.32                            | Limited to the Calabasas Wasteshed as defined by Los Angeles County Ordinance No. 91-0003.                        |
| Chiquita Canyon             | 19-AA-0052                                      | Unincorporated Area                            | 6                      | 12,000                                                | 6,616 ('17-'24)<br>3,411 ('25-'47)                   | 1.596                              | 0.100 | 1.696     | 5,115                       | 321   | 5,436           | 56.99                         | 57.97  | 28                    | \$68.00                            |                                                                                                                   |
| Lancaster                   | 19-AA-0050                                      | Unincorporated Area                            | 6                      | 5,100                                                 | 3,000                                                | 0.109                              | 0.002 | 0.111     | 350                         | 8     | 357             | 9.95                          | 13.27  | 22                    | \$71.18-\$73.72                    |                                                                                                                   |
| Pebbly Beach                | 19-AA-0061                                      | Unincorporated Area                            | 7                      | 49                                                    | 49                                                   | 0.004                              | 0.000 | 0.004     | 14                          | 0     | 14              | 0.05                          | 0.05   | 9                     | \$144.19                           | LUP expires July 29, 2028.                                                                                        |
| San Clemente                | 19-AA-0063                                      | San Clemente Island                            | 2                      | 10                                                    | ---                                                  | 0.0004                             | 0.000 | 0.0004    | 1                           | 0     | 1               | 0.019                         | 0.16   | 20                    | Not<br>Available                   | Landfill owned and operated by the U.S. Navy.                                                                     |
| Scholl Canyon               | 19-AA-0012                                      | Glendale/<br>Unincorporated Area               | 6                      | 3,400                                                 | ---                                                  | 0.335                              | 0.000 | 0.335     | 1,075                       | 0     | 1,075           | 3.83                          | 6.45   | 11                    | \$53.88                            | Limited to the Scholl Canyon Wasteshed as defined by City of Glendale Ordinance No. 4780.                         |
| Sunshine Canyon City/County | 19-AA-2000                                      | Los Angeles/<br>Unincorporated Area            | 6                      | 12,100                                                | 11,000                                               | 2.159                              | 0.000 | 2.159     | 6,919                       | 0     | 6,919           | 55.16                         | 69.78  | 18                    | \$83.54                            |                                                                                                                   |
| Whittier (Savage Canyon)    | 19-AH-0001                                      | Whittier                                       | 6                      | 350                                                   | ---                                                  | 0.091                              | 0.000 | 0.091     | 291                         | 0     | 291             | 4.45                          | 7.41   | 36                    | \$49.69                            | Limited to use by City of Whittier and waste haulers contracted with the City of Whittier.                        |
| TOTAL                       |                                                 |                                                |                        | 42,297                                                | 25,965                                               | 5.228                              | 0.121 | 5.349     | 16,756                      | 389   | 17,145          | 148.40                        | 184.30 | --                    | --                                 |                                                                                                                   |

|                           |            |       |   |       |     |       |       |       |     |     |     |       |       |     |  |                                                                                                                                                                                                 |
|---------------------------|------------|-------|---|-------|-----|-------|-------|-------|-----|-----|-----|-------|-------|-----|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Permitted Inert Landfills |            |       |   |       |     |       |       |       |     |     |     |       |       |     |  |                                                                                                                                                                                                 |
| Azusa Land Reclamation    | 19-AA-0013 | Azusa | 6 | 8,000 | --- | 0.207 | 0.060 | 0.266 | 662 | 192 | 854 | 58.84 | 47.07 | 26  |  | By Court Order, on October 2, 1996, the California Regional Water Quality Control Board-Los Angeles region ordered the Azusa Land Reclamation Landfill to stop accepting Municipal Solid Waste. |
| TOTAL                     |            |       |   | 8,000 | --- | 0.207 | 0.060 | 0.266 | 662 | 192 | 854 | 58.84 | 47.07 | --- |  |                                                                                                                                                                                                 |

|                                      |            |            |   |       |     |       |       |       |       |     |       |                                        |  |         |  |  |
|--------------------------------------|------------|------------|---|-------|-----|-------|-------|-------|-------|-----|-------|----------------------------------------|--|---------|--|--|
| Transformation Facilities            |            |            |   |       |     |       |       |       |       |     |       | Available Average Daily Capacity (tpd) |  |         |  |  |
| Southeast Resource Recovery Facility | 19-AK-0083 | Long Beach | 7 | 2,240 | --- | 0.337 | 0.047 | 0.384 | 1,079 | 152 | 1,231 | 1,370 (d)                              |  | \$75.00 |  |  |
| TOTAL                                |            |            |   | 2,240 | --- | 0.337 | 0.047 | 0.384 | 1,079 | 152 | 1,231 | 1,370 (e)                              |  |         |  |  |

|                        |                                                                                                                           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Out-of-County Disposal | Los Angeles County Waste Exported in 2018 to Out-of-County Class III Disposal Facilities = 4,969,741 tons or 15,929 tpd-6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------------------------|---------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|

**NOTES:**

1. Maximum Daily Capacity includes maximum daily disposal capacities and may include other materials permitted for beneficial use, recycling, etc.

2. Disposal quantities are based on actual tonnages reported by owners/operators of permitted solid waste disposal facilities to the Los Angeles County Department of Public Works' Solid Waste Information Management System ([www.LACountySWIMS.org](http://www.LACountySWIMS.org)) or to CalRecycle's Recycling and Disposal Reporting System.

3. Average daily disposal quantities are based on 312 days (6 days per week, average)

4. Estimated Remaining Permitted Capacity is based on landfill owner/operator's response in a written survey conducted by Los Angeles County Department of Public Works in June 2020 as well as site-specific permit criteria established by local land use agencies, Local Enforcement Agencies, CalRecycle, Water Quality Control Board, and the South Coast Air Quality Management District.

**Abbreviation:**  
LUP Land Use Permit  
SWFP Solid Waste Facility Permit  
CUP Conditional Use Permit

**FOOTNOTES:**

(a) Conversion factor based on in-place solid waste density is provided by landfill operators, otherwise a conversion factor of 1,200 lb/cy was used for Class III landfills.

(b) Remaining Life is based on either the 2018 average daily disposal tonnage, maximum permitted capacity, or the facility's permit expiration date.

(c) Based on the Solid Waste Facility Permit limit of 2,800 tons per week, expressed as a daily average, seven days per week.

(d) Based on EPA limit of 500,000 tons per year, expressed as a daily average, seven days per week.

(e) Tonnage expressed as a daily average, seven days per week.

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**APPENDIX E-2 TABLE 5**  
**SUMMARY OF EXISTING INERT DEBRIS DISPOSAL SITES IN LOS ANGELES COUNTY (AS OF DECEMBER 31, 2019)**

| Facility                                          | SWIS No.         | Location   | Operation days/week | Enforcement Agency Notification (EAN)<br>Maximum Daily Capacity |                    | 2019 Average Daily Disposal <sup>1</sup> |        | 2019 Annual Disposal <sup>2</sup> |           |
|---------------------------------------------------|------------------|------------|---------------------|-----------------------------------------------------------------|--------------------|------------------------------------------|--------|-----------------------------------|-----------|
|                                                   |                  |            |                     | (cubic yards) <sup>3</sup>                                      | (tpd) <sup>3</sup> | (cubic yards)                            | (tpd)  | (cubic yards)                     | (tons)    |
| Durbin Landfill                                   | 19-AA-1111       | Irwindale  | 5                   | 3,840                                                           | 4,800              | 1,724                                    | 2,154  | 537,763                           | 672,204   |
| Hanson Aggregates West, Inc.                      | 19-AA-0044       | Irwindale  | 6                   | 3,205                                                           | 4,006              | 1,619                                    | 2,023  | 504,972                           | 631,215   |
| Manning Pit <sup>4</sup>                          | N/A <sup>5</sup> | Irwindale  | N/A                 | N/A                                                             | N/A                | N/A                                      | N/A    | N/A                               | N/A       |
| Montebello Land & Water Co.                       | 19-AA-0019       | Montebello | 5                   | 1                                                               | 1                  | 0.43                                     | 1      | 135                               | 169       |
| North Kincaid Pit <sup>6</sup>                    | N/A              | Irwindale  | N/A                 | N/A                                                             | N/A                | N/A                                      | N/A    | N/A                               | N/A       |
| Nu-Way Arrow Reclamation                          | 19-AA-1074       | Irwindale  | 6                   | 6,923                                                           | 8,654              | 1,784                                    | 2,230  | 556,671                           | 695,839   |
| Peck Road Gravel Pit <sup>6</sup>                 | 19-AA-0838       | Monrovia   | 7                   | 3,200                                                           | 4,000              | 362                                      | 452    | 112,852                           | 141,065   |
| Reliance Pit II Inert Debris Engineered Fill Site | 19-AA-0854       | Irwindale  | 5                   | 6,729                                                           | 8,412              | 6                                        | 8      | 1,880                             | 2,350     |
| Sun Valley Landfill                               | 19-AR-1160       | Sun Valley | 5                   | 1,458                                                           | 1,823              | 1,914                                    | 2,393  | 597,214                           | 746,518   |
| United Rock Products Pit #2                       | 19-AA-0046       | Irwindale  | 6                   | 3,077                                                           | 3,846              | 2,795                                    | 3,494  | 871,999                           | 1,089,998 |
| <b>TOTAL</b>                                      |                  |            |                     | 28,433                                                          | 35,541             | 8,585                                    | 10,731 | 2,678,514                         | 3,348,142 |

- NOTES:**
1. Disposal quantities for 2019 are based on actual tonnages reported by owners/operators through the Solid Waste Management Fee invoice receipt.
  2. Conversion factor based on in-place solid waste density if provided by landfill operators, otherwise a conversion factor of 2,500 lb/cy was used.
  3. Derived from the permit values noted in the CalRecycle Website as of July 2020.
  4. Manning Pit closed in April 2019.
  5. N/A means not available.
  6. North Kincaid Pit is unclassified as of December 31, 2019.

Source: Los Angeles County Department of Public Works, May 2020

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**APPENDIX E-2 TABLE 6**  
**OUT-OF-COUNTY LANDFILLS CURRENTLY AVAILABLE FOR USE BY JURISDICTIONS IN LOS ANGELES COUNTY<sup>1</sup>**

| Facility Location<br>Owner/Operator                                                                                    | Rail Access | Distance from Los Angeles County <sup>2</sup> | 2019 Average Daily Disposal Rate (tpd-6) | 2019 Average Disposal from Los Angeles County <sup>3,4</sup> (tpd-6) | Permitted Operating days/week | Permitted Daily Disposal (tpd) | Remaining Permitted Disposal Capacity (million tons) <sup>5</sup> | Remaining Design Life (years) | Tipping Fees <sup>6</sup> (per ton) | Host Fee/Import Surcharge (per ton) | Comments                                                                                                                                                                                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------|------------------------------------------|----------------------------------------------------------------------|-------------------------------|--------------------------------|-------------------------------------------------------------------|-------------------------------|-------------------------------------|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mesquite Regional Landfill</b><br>Imperial County<br>County Sanitation District No. 2 of Los Angeles County         | YES         | 210 miles                                     | — <sup>1</sup>                           | —                                                                    | 7                             | 20,000                         | 660                                                               | 109                           | \$105 - \$125                       | \$1 (min) <sup>8</sup>              | Not yet operational. Permitted to reserve up to 1,000 tpd of available capacity for Imperial County. Up to 4,000 tpd may be transported by truck haul.                                                                                                                                                                              |
| <b>H.M. Holloway Landfill, Inc.</b><br>Kern County<br>Holloway Environmental, LLC.                                     | YES         | 156 miles                                     | 1,412                                    | 644                                                                  | 7                             | 2,000                          | 3                                                                 | 10                            | \$18.00                             | \$0.00                              |                                                                                                                                                                                                                                                                                                                                     |
| <b>Frank R. Bowerman Sanitary Landfill</b><br>Orange County <sup>7</sup><br>O.C. Waste and Recycling                   | NO          | 45 miles                                      | 7,832                                    | 2,156                                                                | 6                             | 11,500                         | 102                                                               | 34                            | \$27.54 - \$59.67                   | \$1.50                              | The County of Orange has three import waste agreements with waste hauling companies to import waste into Orange County.<br><br>Frank R. Bowerman, Olinda Alpha, and Prima Deshecha Sanitary Landfills have import waste agreements with waste hauling companies and County Sanitation Districts which will expire on June 30, 2025. |
| <b>Olinda Alpha Sanitary Landfill</b><br>Orange County<br>O.C. Waste and Recycling                                     | NO          | 30 miles                                      | 7,089                                    | 2,351                                                                | 6                             | 8,000                          | 14                                                                | 2                             | \$27.54 - \$59.67                   | \$1.50                              | Olinda Alpha Landfill is currently pursuing a permit extension.                                                                                                                                                                                                                                                                     |
| <b>Prima Deshecha Sanitary Landfill</b><br>Orange County<br>O.C. Waste and Recycling                                   | NO          | 60 miles                                      | 1,879                                    | 234                                                                  | 6                             | 4,000                          | 80                                                                | 83                            | \$27.54 - \$59.67                   | \$1.50                              | The following provides and breakdown of the tipping fee range: Gate rate or public rate - \$59.67<br>Contract or WDA rate - \$35.67<br>Import rate (Tiered rate) - \$27.54-31.63                                                                                                                                                    |
| <b>El Sobrante Landfill</b><br>Riverside County<br>USA Waste Services of California, Inc.                              | NO          | 60 miles                                      | 10,960                                   | 4,929                                                                | 7                             | 16,054                         | 142                                                               | 39                            | \$29.24                             | \$3.17                              |                                                                                                                                                                                                                                                                                                                                     |
| <b>Mid-Valley Sanitary Landfill</b><br>San Bernardino County<br>San Bernardino County Solid Waste Management Division  | NO          | 53 miles                                      | 3,575                                    | 1,884                                                                | 6                             | 7,500                          | 36                                                                | 31                            | \$32.49 - \$47.94                   | --                                  | Regular gate rate is \$47.94 (additional \$12 fee per ton for waste that has not been pre-processed through recycling programs). LA County waste being delivered for disposal at the Mid-Valley and San Timoteo Landfills through the import agreement with Athens Services is \$32.49/ton for FY 2019-2020.                        |
| <b>San Timoteo Sanitary Landfill</b><br>San Bernardino County<br>San Bernardino County Solid Waste Management Division | NO          | 67 miles                                      | 880                                      | 409                                                                  | 6                             | 2,000                          | 6                                                                 | 23                            | \$32.49 - \$47.94                   | --                                  |                                                                                                                                                                                                                                                                                                                                     |
| <b>Simi Valley Landfill &amp; Recycling Center</b><br>Ventura County<br>Waste Management of California, Inc.           | NO          | 50 miles                                      | 4,663                                    | 3,121                                                                | 7                             | 9,250                          | 48                                                                | 42                            | \$70.00 - \$75.00                   | \$4.00 - \$5.00                     | The county import fee is \$4.00. In addition we pay \$1.00 for all disposal volume above 3,000 TPD.                                                                                                                                                                                                                                 |
| <b>TOTAL</b>                                                                                                           |             |                                               | 38,290                                   | 15,727                                                               |                               | 80,304                         |                                                                   |                               |                                     |                                     |                                                                                                                                                                                                                                                                                                                                     |

**NOTES:**

1. "—" data not provided or available.
2. Distance is measured from Downtown Los Angeles, California.
3. Estimated quantity based on the data provided by the Counties in the Solid Waste Information Management System (SWIMS) and/or the Disposal Reporting System.
4. Waste exported to other Out of County landfills accounts for another 202 tons per day. Total Waste exported in 2019 is approximately 15,929 tons per day.
5. Estimated quantity provided by landfill operators in tons, otherwise a conversion factor of 1,200 lb/cy was used.
6. Tipping fees are based on current waste disposal fees provided by landfill operators.
7. The County of Orange and the County Sanitation Districts (Districts) has extended the import waste agreement allowing the Districts to deliver solid waste to the County's disposal system to June 30, 2025.
8. Amount based on Imperial County Host fees per facility operator.

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**APPENDIX E-2 TABLE 7**  
**POPULATION, EMPLOYMENT, REAL TAXABLE SALES, AND WASTE GENERATION IN LOS ANGELES COUNTY**

| YEAR | POPULATION | EMPLOYMENT | REAL TAXABLE SALES | B-YRWG    | B-YNWG     | RAF         | NAF         | TOTAL GENERATION (TONS) |
|------|------------|------------|--------------------|-----------|------------|-------------|-------------|-------------------------|
| 2019 | 10,340,500 | 4,566,200  | \$146,700,000,000  | 9,029,512 | 21,068,862 |             |             | 30,098,374              |
| 2020 | 10,402,600 | 4,615,100  | \$146,800,000,000  | 9,029,512 | 21,068,862 | 1.005850453 | 1.005695393 | 30,271,197              |
| 2021 | 10,465,000 | 4,651,300  | \$146,100,000,000  | 9,029,512 | 21,068,862 | 1.009656759 | 1.007273481 | 30,338,814              |
| 2022 | 10,527,800 | 4,694,600  | \$153,300,000,000  | 9,029,512 | 21,068,862 | 1.027333981 | 1.036554718 | 31,115,353              |
| 2023 | 10,590,900 | 4,745,300  | \$154,800,000,000  | 9,029,512 | 21,068,862 | 1.035717159 | 1.047218855 | 31,415,730              |
| 2024 | 10,654,500 | 4,784,200  | \$156,300,000,000  | 9,029,512 | 21,068,862 | 1.043478463 | 1.056590889 | 31,683,269              |
| 2025 | 10,718,400 | 4,823,700  | \$158,100,000,000  | 9,029,512 | 21,068,862 | 1.05179837  | 1.067051118 | 31,978,779              |
| 2026 | 10,782,700 | 4,863,400  | \$159,700,000,000  | 9,029,512 | 21,068,862 | 1.059807736 | 1.076851583 | 32,257,585              |
| 2027 | 10,847,400 | 4,902,000  | \$161,400,000,000  | 9,029,512 | 21,068,862 | 1.067946635 | 1.08687243  | 32,542,203              |
| 2028 | 10,912,500 | 4,940,500  | \$163,100,000,000  | 9,029,512 | 21,068,862 | 1.076099401 | 1.096882327 | 32,826,715              |
| 2029 | 10,978,000 | 4,978,500  | \$165,000,000,000  | 9,029,512 | 21,068,862 | 1.084584964 | 1.107519137 | 33,127,441              |
| 2030 | 11,043,800 | 5,018,200  | \$167,000,000,000  | 9,029,512 | 21,068,862 | 1.093348524 | 1.11868293  | 33,441,780              |
| 2031 | 11,107,900 | 5,060,100  | \$168,900,000,000  | 9,029,512 | 21,068,862 | 1.101979918 | 1.129746791 | 33,752,821              |
| 2032 | 11,172,300 | 5,102,200  | \$170,900,000,000  | 9,029,512 | 21,068,862 | 1.110807184 | 1.141173383 | 34,073,272              |
| 2033 | 11,237,100 | 5,144,700  | \$172,900,000,000  | 9,029,512 | 21,068,862 | 1.119675691 | 1.152643776 | 34,395,018              |
| 2034 | 11,301,200 | 5,187,700  | \$175,000,000,000  | 9,029,512 | 21,068,862 | 1.128708142 | 1.164509751 | 34,726,579              |

**Population: Countywide Population Projection (UCLA, Long Term Forecast of Los Angeles County, June 2019)**

**Employment: Countywide Employment Projection (UCLA, Long Term Forecast of Los Angeles County, July 2019)**

Employment data from UCLA only accounts for non-farm employment.

**Real Taxable Sales: Countywide Taxable Sales (Source of information is UCLA, Long Term Forecast of Los Angeles County, July 2019).**

Real Taxable Sales data from UCLA considers the real dollar value. **(Real Taxable Sales)**

**B-Y RWG** = Base Year Residential Waste Generation. Calculation based on California 2008 Statewide Waste Characterization Study. Single-family and multifamily residential waste together account for 30 percent of the state's waste stream.

**B-Y NWG** = Base Year Non-Residential Waste Generation. Calculation based on California 2008 Statewide Waste Characterization Study (All other sources account for 70 percent of the state's total waste stream).

**RAF** = Residential Adjustment Factor =  $\{(PR/PB)+[ER/EB+(CB/CR*TR/TB)]/2\}/2$

**NAF** = Non-Residential Adjustment Factor =  $[ER/EB+(CB/CR*TR/TB)]/2$

The Adjustment Methodology Formula as adopted by the CIWMB is expressed as follows:

**Estimated Reporting Year Solid Waste Generation =  $\{[(B-Y RWG) (RAF)] + [(B-Y NWG)(NAF)]\}$**

PR= Reporting Year Population

ER= Reporting Year Employment

CR= Reporting Year Consumer Price Ind

TR= Reporting Year Taxable Sales

PB= Base Year Population

EB= Base Year Employment

CB= Base Year Consumer Price Index

TB= Base Year Taxable Sales

Source: Los Angeles County Department of Public Works, June 2020

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**2019 ANNUAL REPORT**  
**LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-2 TABLE 8**  
**LOS ANGELES COUNTY SOLID WASTE DISPOSAL CAPACITY NEED PROJECTION**

| A    | B                           | C                                 | D                          | E                                                                      | F                                               | G                                   | H           | I                       | J           |
|------|-----------------------------|-----------------------------------|----------------------------|------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|-------------|-------------------------|-------------|
| YEAR | TOTAL<br>GENERATION<br>TONS | PERCENT<br>DIVERSION<br>(ASSUMED) | TOTAL<br>DIVERSION<br>TONS | PROJECTED<br>TRANSFORMATION &<br>CLASS III LANDFILL<br>DISPOSAL (TONS) | AVAILABLE<br>TRANSFORMATION<br>CAPACITY<br>TONS | CLASS III LANDFILL<br>DISPOSAL NEED |             |                         |             |
|      |                             |                                   |                            |                                                                        |                                                 | ANNUAL                              |             | CUMULATIVE (YEAR'S END) |             |
|      |                             |                                   |                            |                                                                        |                                                 | TONS                                | CUBIC YARDS | TONS                    | CUBIC YARDS |
| 2019 | 30,098,374                  | 65%                               | 19,563,943                 | 10,534,431                                                             | 500,000                                         | 10,034,431                          | 16,724,052  | 10,034,431              | 16,724,052  |
| 2020 | 30,271,197                  | 65%                               | 19,676,278                 | 10,594,919                                                             | 500,000                                         | 10,094,919                          | 16,824,865  | 20,129,350              | 33,548,916  |
| 2021 | 30,338,814                  | 65%                               | 19,720,229                 | 10,618,585                                                             | 500,000                                         | 10,118,585                          | 16,864,308  | 30,247,935              | 50,413,225  |
| 2022 | 31,115,353                  | 65%                               | 20,224,980                 | 10,890,374                                                             | 500,000                                         | 10,390,374                          | 17,317,289  | 40,638,308              | 67,730,514  |
| 2023 | 31,415,730                  | 65%                               | 20,420,225                 | 10,995,506                                                             | 500,000                                         | 10,495,506                          | 17,492,509  | 51,133,814              | 85,223,024  |
| 2024 | 31,683,269                  | 65%                               | 20,594,125                 | 11,089,144                                                             | 250,000                                         | 10,839,144                          | 18,065,240  | 61,972,958              | 103,288,264 |
| 2025 | 31,978,779                  | 65%                               | 20,786,206                 | 11,192,573                                                             | 0                                               | 11,192,573                          | 18,654,288  | 73,165,531              | 121,942,552 |
| 2026 | 32,257,585                  | 65%                               | 20,967,430                 | 11,290,155                                                             | 0                                               | 11,290,155                          | 18,816,924  | 84,455,686              | 140,759,476 |
| 2027 | 32,542,203                  | 65%                               | 21,152,432                 | 11,389,771                                                             | 0                                               | 11,389,771                          | 18,982,952  | 95,845,457              | 159,742,428 |
| 2028 | 32,826,715                  | 65%                               | 21,337,365                 | 11,489,350                                                             | 0                                               | 11,489,350                          | 19,148,917  | 107,334,807             | 178,891,345 |
| 2029 | 33,127,441                  | 65%                               | 21,532,837                 | 11,594,604                                                             | 0                                               | 11,594,604                          | 19,324,341  | 118,929,411             | 198,215,686 |
| 2030 | 33,441,780                  | 65%                               | 21,737,157                 | 11,704,623                                                             | 0                                               | 11,704,623                          | 19,507,705  | 130,634,034             | 217,723,391 |
| 2031 | 33,752,821                  | 65%                               | 21,939,333                 | 11,813,487                                                             | 0                                               | 11,813,487                          | 19,689,145  | 142,447,522             | 237,412,536 |
| 2032 | 34,073,272                  | 65%                               | 22,147,627                 | 11,925,645                                                             | 0                                               | 11,925,645                          | 19,876,075  | 154,373,167             | 257,288,611 |
| 2033 | 34,395,018                  | 65%                               | 22,356,762                 | 12,038,256                                                             | 0                                               | 12,038,256                          | 20,063,761  | 166,411,423             | 277,352,372 |
| 2034 | 34,726,579                  | 65%                               | 22,572,277                 | 12,154,303                                                             | 0                                               | 12,154,303                          | 20,257,171  | 178,565,726             | 297,609,543 |

**NOTES:**

1. Waste generation (Column B) is calculated using CalRecycle's Adjustment Methodology, utilizing employment, population, and taxable sales projections from UCLA Anderson Long-term Forecast (July 2019).
2. Waste generation for 2019 is based on actual in-County and out-of-County transformation and Class III landfill disposal by jurisdictions in Los Angeles County. These tonnages DO NOT include inert waste disposed at permitted inert landfills or at Class III landfills.
3. The 2019 transformation and Class III landfill disposal quantity (first figure under Column E) is based on tonnages reported by permitted solid waste disposal facility operators in Los Angeles County and export quantities reported by other counties to County of Los Angeles Department of Public Works as part of the 2019 Disposal Quantity Reporting data.
4. The available transformation capacity is based on (1) EPA limit of 500,000 tons per year (expressed as a daily average, seven days per week) for Southeast Resource Recovery Facility (SERRF). SERRF is assumed to cease its operation in June 2024.
5. Columns H and J are based on Columns G and I, respectively, using an in-place waste density of 1,200 lb/cy.

Source: Los Angeles County Department of Public Works

## **2019 Annual Report**

### Los Angeles County Countywide Integrated Waste Management Plan

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## **APPENDIX E-3: DISPOSAL CAPACITY ANALYSIS SCENARIOS**

## **2019 Annual Report**

### Los Angeles County Countywide Integrated Waste Management Plan

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2019 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN  
DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3

SCENARIO I - UTILIZATION OF EXISTING IN-COUNTY DISPOSAL CAPACITY ONLY

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate at 65%

• No Utilization of Out-of-County Disposal Capacity

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills <sup>3</sup> | Class III Landfill Daily Disposal Demand | 1                                          | 2                                                                                                                                                                | 3                     | 4                      |           | 5                   | 6                 | 7               | 8                             | 9                        | 10                | 11                                                                                                                                                                            | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|----------------------------------------------------------------------|-------------------------------------------------|------------------------------------------|--------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------------------|-----------|---------------------|-------------------|-----------------|-------------------------------|--------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|         |                                    |                |                             |                             |                                                                      |                                                 |                                          | IN-COUNTY CLASS III LANDFILLS <sup>3</sup> |                                                                                                                                                                  |                       |                        |           |                     |                   |                 |                               |                          |                   | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons) |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                                 |                                          | Antelope Valley                            | R                                                                                                                                                                | R                     | Chiquita               | Lancaster | Pebbly Beach        | R                 | Scholl          | Sunshine City/County Combined | R                        |                   |                                                                                                                                                                               |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                                 |                                          |                                            | Burbank                                                                                                                                                          | Calabasas             |                        |           |                     | Clemente          |                 |                               | Whittier (Savage Canyon) |                   |                                                                                                                                                                               |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                                 |                                          |                                            | Maximum Permitted Daily Disposal Capacity (tpd-6)<br>Expected Average Daily Disposal Tonnage (tpd-6)<br>Remaining Disposal Capacity at Year's End (Million Tons) |                       |                        |           |                     |                   |                 |                               |                          |                   |                                                                                                                                                                               |                                                                |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F                                                                    | G=C+D-E-F                                       |                                          |                                            |                                                                                                                                                                  |                       |                        |           |                     |                   |                 |                               |                          | H                 | I=G-H                                                                                                                                                                         |                                                                |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)                                                              | (tpd-6)                                         | (tpd-6)                                  |                                            |                                                                                                                                                                  |                       |                        |           |                     |                   |                 |                               |                          |                   | (tpd-6)                                                                                                                                                                       | (tpd-6)                                                        |
| 2019    | 96,469                             | 65%            | 33,764                      | 541                         | 1,079                                                                | 15,929                                          | 17,297                                   | 3,600<br>2,046<br>11.0                     | 240<br>103<br>2.7                                                                                                                                                | 3,500<br>842<br>4.3   | 6,616<br>5,115<br>57.0 |           | 3,000<br>350<br>9.9 | 49<br>14<br>0.05  | 10<br>1<br>0.02 | 3,400<br>1,075<br>3.8         | 11,000<br>6,919<br>55.2  | 350<br>291<br>4.4 | 26,542                                                                                                                                                                        | --                                                             |
| 2020    | 97,023                             | 65%            | 33,958                      | 600                         | 1,200                                                                | 15,737                                          | 17,621                                   | 3,600<br>2,085<br>10.3                     | 240<br>105<br>2.6                                                                                                                                                | 3,500<br>858<br>4.0   | 6,616<br>6,616<br>54.9 |           | 3,000<br>356<br>9.8 | 49<br>14<br>0.05  | 10<br>1<br>0.02 | 3,400<br>1,095<br>3.5         | 11,000<br>7,048<br>53.0  | 350<br>296<br>4.4 | 26,586                                                                                                                                                                        | --                                                             |
| 2021    | 97,240                             | 65%            | 34,034                      | 600                         | 1,200                                                                | 0                                               | 33,434                                   | 3,600<br>3,600<br>9.2                      | 240<br>200<br>2.6                                                                                                                                                | 3,500<br>1,628<br>3.5 | 6,616<br>6,616<br>52.9 |           | 3,000<br>676<br>9.6 | 49<br>26<br>0.04  | 10<br>3<br>0.02 | 3,400<br>2,078<br>2.8         | 11,000<br>11,000<br>49.5 | 350<br>350<br>4.2 | 28,501                                                                                                                                                                        | 4,933                                                          |
| 2022    | 99,729                             | 65%            | 34,905                      | 600                         | 1,200                                                                | 0                                               | 34,305                                   | 3,600<br>3,600<br>8.1                      | 240<br>205<br>2.5                                                                                                                                                | 3,500<br>1,670<br>3.0 | 6,616<br>6,616<br>50.8 |           | 3,000<br>693<br>9.4 | 49<br>27<br>0.03  | 10<br>3<br>0.02 | 3,400<br>2,133<br>2.2         | 11,000<br>11,000<br>46.1 | 350<br>350<br>4.1 | 28,604                                                                                                                                                                        | 5,701                                                          |
| 2023    | 100,691                            | 65%            | 35,242                      | 600                         | 1,200                                                                | 0                                               | 34,642                                   | 3,600<br>3,600<br>7.0                      | 240<br>207<br>2.4                                                                                                                                                | 3,500<br>1,687<br>2.5 | 6,616<br>6,616<br>48.7 |           | 3,000<br>700<br>9.2 | 49<br>27<br>0.02  | 10<br>3<br>0.02 | 3,400<br>2,154<br>1.5         | 11,000<br>11,000<br>42.7 | 350<br>350<br>4.0 | 28,643                                                                                                                                                                        | 5,999                                                          |
| 2024    | 101,549                            | 65%            | 35,542                      | 600                         | 600                                                                  | 0                                               | 35,542                                   | 3,600<br>3,600<br>5.8                      | 240<br>212<br>2.4                                                                                                                                                | 3,500<br>1,731<br>2.0 | 6,616<br>6,616<br>46.7 |           | 3,000<br>718<br>9.0 | 49<br>28<br>0.01  | 10<br>3<br>0.02 | 3,400<br>2,210<br>0.8         | 11,000<br>11,000<br>39.2 | 350<br>350<br>3.9 | 28,749                                                                                                                                                                        | 6,793                                                          |
| 2025    | 102,496                            | 65%            | 35,874                      | 600                         | 0                                                                    | 0                                               | 36,474                                   | 3,600<br>3,600<br>4.7                      | 240<br>218<br>2.3                                                                                                                                                | 3,500<br>1,776<br>1.4 | 3,411<br>3,411<br>45.6 |           | 3,000<br>737<br>8.7 | 49<br>29<br>0.004 | 10<br>3<br>0.01 | 3,400<br>2,267<br>0.1         | 11,000<br>11,000<br>35.8 | 350<br>350<br>3.8 | 25,654                                                                                                                                                                        | 10,820                                                         |
| 2026    | 103,390                            | 65%            | 36,186                      | 600                         | 0                                                                    | 0                                               | 36,786                                   | 3,600<br>3,600<br>3.6                      | 240<br>220<br>2.2                                                                                                                                                | 3,500<br>1,791<br>0.8 | 3,411<br>3,411<br>44.5 |           | 3,000<br>743<br>8.5 | 49<br>29<br>CC    | 10<br>1<br>0.04 | 3,400<br>2,287<br>CC          | 11,000<br>11,000<br>32.4 | 350<br>350<br>3.7 | 25,689                                                                                                                                                                        | 11,098                                                         |
| 2027    | 104,302                            | 65%            | 36,506                      | 600                         | 0                                                                    | 0                                               | 37,106                                   | 3,600<br>3,600<br>2.5                      | 240<br>222<br>2.2                                                                                                                                                | 3,500<br>1,807<br>0.3 | 3,411<br>3,411<br>43.5 |           | 3,000<br>750<br>8.3 | 49<br>750<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>28.9 | 350<br>350<br>3.6 | 23,390                                                                                                                                                                        | 13,715                                                         |
| 2028    | 105,214                            | 65%            | 36,825                      | 600                         | 0                                                                    | 0                                               | 37,425                                   | 3,600<br>3,600<br>1.3                      | 240<br>223<br>2.1                                                                                                                                                | 3,500<br>1,822<br>CC  | 3,411<br>3,411<br>42.4 |           | 3,000<br>756<br>8.0 | 49<br>756<br>CP   | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>25.5 | 350<br>350<br>3.5 | 23,408                                                                                                                                                                        | 14,017                                                         |
| 2029    | 106,178                            | 65%            | 37,162                      | 600                         | 0                                                                    | 0                                               | 37,762                                   | 3,600<br>3,600<br>0.2                      | 240<br>225<br>2.0                                                                                                                                                | 3,500<br>CP           | 3,411<br>3,411<br>41.3 |           | 3,000<br>763<br>7.8 | 49<br>763<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>22.1 | 350<br>350<br>3.4 | 21,588                                                                                                                                                                        | 16,175                                                         |
| 2030    | 107,185                            | 65%            | 37,515                      | 600                         | 0                                                                    | 0                                               | 38,115                                   | 3,600<br>3,600<br>CC                       | 240<br>228<br>2.0                                                                                                                                                | 3,500                 | 3,411<br>3,411<br>40.3 |           | 3,000<br>770<br>7.6 | 49<br>770<br>0.03 | 10<br>1<br>0.03 | CP                            | 11,000<br>11,000<br>18.6 | 350<br>350<br>3.3 | 21,590                                                                                                                                                                        | 16,525                                                         |
| 2031    | 108,182                            | 65%            | 37,864                      | 600                         | 0                                                                    | 0                                               | 38,464                                   |                                            | 240<br>230<br>1.9                                                                                                                                                | 3,500                 | 3,411<br>3,411<br>39.2 |           | 3,000<br>777<br>7.3 | 49<br>777<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>15.2 | 350<br>350<br>3.2 | 17,992                                                                                                                                                                        | 20,472                                                         |
| 2032    | 109,209                            | 65%            | 38,223                      | 600                         | 0                                                                    | 0                                               | 38,823                                   |                                            | 240<br>232<br>1.8                                                                                                                                                | 3,500                 | 3,411<br>3,411<br>38.2 |           | 3,000<br>785<br>7.1 | 49<br>785<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>11.8 | 350<br>350<br>3.0 | 17,994                                                                                                                                                                        | 20,829                                                         |
| 2033    | 110,240                            | 65%            | 38,584                      | 600                         | 0                                                                    | 0                                               | 39,184                                   |                                            | 240<br>234<br>1.7                                                                                                                                                | 3,500                 | 3,411<br>3,411<br>37.1 |           | 3,000<br>792<br>6.8 | 49<br>792<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>8.3  | 350<br>350<br>2.9 | 17,996                                                                                                                                                                        | 21,188                                                         |
| 2034    | 111,303                            | 65%            | 38,956                      | 600                         | 0                                                                    | 0                                               | 39,556                                   |                                            | 240<br>236<br>1.7                                                                                                                                                | 3,500                 | 3,411<br>3,411<br>36.0 |           | 3,000<br>799<br>6.6 | 49<br>799<br>0.03 | 10<br>1<br>0.03 |                               | 11,000<br>11,000<br>4.9  | 350<br>350<br>2.8 | 17,998                                                                                                                                                                        | 21,558                                                         |

ASSUMPTIONS:

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
- Daily Available Capacity from Transfomation Facilities assume Southeast Resource Recovery Facility will cease its operation on June 2024.
- The scenario assumes utilization of in-County disposal capacity only.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed (R). Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
- This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)  
E - Expansion may become effective  
R - Restricted wasteshed  
W/WE - Clean Hands Waiver (Waiver) or Waiver expiration

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LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3

SCENARIO II - STATUS QUO

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate at 65%

• Exports based on Existing Export Agreements

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | 1                                                                                                                                                                | 2                 | 3                   | 4                      | 5                   | 6                | 7                  | 8                      | 9                             | 10                       | 11                                                                                                                                                                            | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|----------------------------------------------------------------------|------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------------|---------------------|------------------|--------------------|------------------------|-------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | IN-COUNTY CLASS III LANDFILLS                                                                                                                                    |                   |                     |                        |                     |                  |                    |                        |                               |                          | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons) |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | R                                                                                                                                                                | R                 |                     |                        |                     | R                | R                  |                        |                               | R                        |                                                                                                                                                                               |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | Antelope Valley                                                                                                                                                  | Burbank           | Calabasas           | Chiquita               | Lancaster           | Pebbley Beach    | San Clemente       | Scholl                 | Sunshine City/County Combined | Whittier (Savage Canyon) |                                                                                                                                                                               |                                                                |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | Maximum Permitted Daily Disposal Capacity (tpd-6)<br>Expected Average Daily Disposal Tonnage (tpd-6)<br>Remaining Disposal Capacity at Year's End (Million Tons) |                   |                     |                        |                     |                  |                    |                        |                               |                          |                                                                                                                                                                               |                                                                |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F                                                                    | G=C+D-E-F                          |                                          |                                                                                                                                                                  |                   |                     |                        |                     |                  |                    |                        |                               | H                        | I=G-H                                                                                                                                                                         |                                                                |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)                                                              | (tpd-6)                            |                                          |                                                                                                                                                                  |                   |                     |                        |                     |                  |                    |                        |                               | (tpd-6)                  | (tpd-6)                                                                                                                                                                       |                                                                |
| 2019    | 96,469                             | 65%            | 33,764                      | 541                         | 1,079                                                                | 15,929                             | 17,297                                   | 3,600<br>2,046<br>11.0                                                                                                                                           | 240<br>103<br>2.7 | 3,500<br>842<br>4.3 | 6,616<br>5,115<br>57.0 | 3,000<br>350<br>9.9 | 49<br>14<br>0.05 | 10<br>1<br>0.02    | 3,400<br>1,075<br>3.8  | 11,000<br>6,919<br>55.2       | 350<br>291<br>4.4        | 26,542<br>148                                                                                                                                                                 | --                                                             |
| 2020    | 97,023                             | 65%            | 33,958                      | 600                         | 1,200                                                                | 15,992                             | 17,366                                   | 3,600<br>2,054<br>10.3                                                                                                                                           | 240<br>104<br>2.6 | 3,500<br>846<br>4.1 | 6,616<br>6,616<br>54.9 | 3,000<br>351<br>9.8 | 49<br>14<br>0.05 | 10<br>1.39<br>0.02 | 3,400<br>1,080<br>3.5  | 11,000<br>6,946<br>53.0       | 350<br>292<br>4.4        | 26,552<br>143                                                                                                                                                                 | --                                                             |
| 2021    | 97,240                             | 65%            | 34,034                      | 600                         | 1,200                                                                | 16,029                             | 17,405                                   | 3,600<br>2,059<br>9.7                                                                                                                                            | 240<br>104<br>2.6 | 3,500<br>847<br>3.8 | 6,616<br>6,616<br>52.9 | 3,000<br>352<br>9.7 | 49<br>14<br>0.04 | 10<br>1.39<br>0.02 | 3,400<br>1,082<br>3.2  | 11,000<br>6,962<br>50.8       | 350<br>292<br>4.3        | 26,557<br>137                                                                                                                                                                 | (9,152)                                                        |
| 2022    | 99,729                             | 65%            | 34,905                      | 600                         | 1,200                                                                | 16,446                             | 17,859                                   | 3,600<br>2,113<br>9.0                                                                                                                                            | 240<br>107<br>2.6 | 3,500<br>870<br>3.5 | 6,616<br>6,616<br>50.8 | 3,000<br>361<br>9.6 | 49<br>14<br>0.04 | 10<br>1.43<br>0.02 | 3,400<br>1,110<br>2.8  | 11,000<br>7,144<br>48.6       | 350<br>300<br>4.2        | 26,618<br>131                                                                                                                                                                 | (8,759)                                                        |
| 2023    | 100,691                            | 65%            | 35,242                      | 600                         | 1,200                                                                | 16,608                             | 18,034                                   | 3,600<br>2,133<br>8.4                                                                                                                                            | 240<br>108<br>2.5 | 3,500<br>878<br>3.2 | 6,616<br>6,616<br>48.7 | 3,000<br>364<br>9.5 | 49<br>14<br>0.03 | 10<br>1.44<br>0.02 | 3,400<br>1,121<br>2.5  | 11,000<br>7,214<br>46.3       | 350<br>303<br>4.1        | 26,642<br>125                                                                                                                                                                 | (8,607)                                                        |
| 2024    | 101,549                            | 65%            | 35,542                      | 600                         | 600                                                                  | 17,039                             | 18,503                                   | 3,600<br>2,189<br>7.7                                                                                                                                            | 240<br>110<br>2.5 | 3,500<br>901<br>3.0 | 6,616<br>6,616<br>46.7 | 3,000<br>374<br>9.4 | 49<br>15<br>0.03 | 10<br>1.48<br>0.02 | 3,400<br>1,150<br>2.1  | 11,000<br>7,401<br>44.0       | 350<br>311<br>4.0        | 26,705<br>119                                                                                                                                                                 | (8,202)                                                        |
| 2025    | 102,496                            | 65%            | 35,874                      | 600                         | 0                                                                    | 17,486                             | 18,988                                   | 3,600<br>2,246<br>7.0                                                                                                                                            | 240<br>113<br>2.5 | 3,500<br>925<br>2.7 | 3,411<br>3,411<br>45.6 | 3,000<br>384<br>9.3 | 49<br>15<br>0.02 | 10<br>1.52<br>0.02 | 3,400<br>1,180<br>1.7  | 11,000<br>7,595<br>41.7       | 350<br>319<br>3.9        | 23,565<br>114                                                                                                                                                                 | (4,577)                                                        |
| 2026    | 103,390                            | 65%            | 36,186                      | 600                         | 0                                                                    | 17,636                             | 19,151                                   | 3,600<br>2,266<br>6.3                                                                                                                                            | 240<br>114<br>2.4 | 3,500<br>932<br>2.4 | 3,411<br>3,411<br>44.5 | 3,000<br>387<br>9.1 | 49<br>15<br>0.02 | 10<br>1.53<br>0.02 | 3,400<br>1,191<br>1.4  | 11,000<br>7,660<br>39.3       | 350<br>322<br>3.8        | 23,587<br>109                                                                                                                                                                 | (4,436)                                                        |
| 2027    | 104,302                            | 65%            | 36,506                      | 600                         | 0                                                                    | 17,789                             | 19,317                                   | 3,600<br>2,285<br>5.6                                                                                                                                            | 240<br>115<br>2.4 | 3,500<br>941<br>2.1 | 3,411<br>3,411<br>43.5 | 3,000<br>390<br>9.0 | 49<br>15<br>0.01 | 10<br>1.54<br>0.02 | 3,400<br>1,201<br>1.0  | 11,000<br>7,727<br>36.9       | 350<br>325<br>3.7        | 23,609<br>104                                                                                                                                                                 | (4,292)                                                        |
| 2028    | 105,214                            | 65%            | 36,825                      | 600                         | 0                                                                    | 17,942                             | 19,483                                   | 3,600<br>2,305<br>4.8                                                                                                                                            | 240<br>116<br>2.4 | 3,500<br>949<br>1.8 | 3,411<br>3,411<br>42.4 | 3,000<br>394<br>8.9 | 49<br>15<br>CP   | 10<br>1.56<br>0.02 | 3,400<br>1,211<br>0.6  | 11,000<br>7,793<br>34.4       | 350<br>327<br>3.6        | 23,632<br>99                                                                                                                                                                  | (4,149)                                                        |
| 2029    | 106,178                            | 65%            | 37,162                      | 600                         | 0                                                                    | 18,104                             | 19,659                                   | 3,600<br>2,326<br>4.1                                                                                                                                            | 240<br>117<br>2.3 | 3,500<br>957<br>CP  | 3,411<br>3,411<br>41.3 | 3,000<br>397<br>8.8 |                  | 10<br>1.57<br>0.01 | 3,400<br>1,222<br>0.23 | 11,000<br>7,864<br>32.0       | 350<br>330<br>3.5        | 23,640<br>92                                                                                                                                                                  | (3,981)                                                        |
| 2030    | 107,185                            | 65%            | 37,515                      | 600                         | 0                                                                    | 18,273                             | 19,842                                   | 3,600<br>2,347<br>3.4                                                                                                                                            | 240<br>118<br>2.3 |                     | 3,411<br>3,411<br>40.3 | 3,000<br>401<br>8.7 |                  | 10<br>1.59<br>0.01 | 3,400<br>1,234<br>CP   | 11,000<br>7,937<br>29.5       | 350<br>333<br>3.4        | 22,698<br>87                                                                                                                                                                  | (2,856)                                                        |
| 2031    | 108,182                            | 65%            | 37,864                      | 600                         | 0                                                                    | 18,440                             | 20,024                                   | 3,600<br>2,369<br>2.6                                                                                                                                            | 240<br>120<br>2.2 |                     | 3,411<br>3,411<br>39.2 | 3,000<br>405<br>8.5 |                  | 10<br>1.60<br>0.01 |                        | 11,000<br>8,010<br>27.0       | 350<br>336<br>3.3        | 21,469<br>83                                                                                                                                                                  | (1,445)                                                        |
| 2032    | 109,209                            | 65%            | 38,223                      | 600                         | 0                                                                    | 18,612                             | 20,211                                   | 3,600<br>2,391<br>1.9                                                                                                                                            | 240<br>121<br>2.2 |                     | 3,411<br>3,411<br>38.2 | 3,000<br>408<br>8.4 |                  | 10<br>1.61<br>0.01 |                        | 11,000<br>8,084<br>24.5       | 350<br>340<br>3.2        | 21,473<br>78                                                                                                                                                                  | (1,262)                                                        |
| 2033    | 110,240                            | 65%            | 38,584                      | 600                         | 0                                                                    | 18,785                             | 20,399                                   | 3,600<br>2,413<br>1.1                                                                                                                                            | 240<br>122<br>2.2 |                     | 3,411<br>3,411<br>37.1 | 3,000<br>412<br>8.3 |                  | 10<br>1.63<br>0.01 |                        | 11,000<br>8,160<br>21.9       | 350<br>343<br>3.1        | 21,477<br>74                                                                                                                                                                  | (1,078)                                                        |
| 2034    | 111,303                            | 65%            | 38,956                      | 600                         | 0                                                                    | 18,964                             | 20,592                                   | 3,600<br>2,436<br>0.4                                                                                                                                            | 240<br>123<br>2.1 |                     | 3,411<br>3,411<br>36.0 | 3,000<br>416<br>8.1 |                  | 10<br>1.64<br>0.01 |                        | 11,000<br>8,237<br>19.4       | 350<br>346<br>2.9        | 21,482<br>69                                                                                                                                                                  | (889)                                                          |

ASSUMPTIONS:

1. Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
2. Daily Available Capacity from Transformation Facilities assume Southeast Resource Recovery Facility will cease its operation on June 2024.
3. Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed (R). A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill on March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
4. This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)
- E - Expansion may become effective
- R - Restricted wasteshed
- WWE - Clean Hands Waiver (Waiver) or Waiver expiration.

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DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3

SCENARIO III - MEETING CALRECYCLE'S STATEWIDE DISPOSAL TARGET OF 2.7 PPD

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate (83% by 2020)

• Exports based on Existing Export Agreements

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate    | Total Daily Disposal Demand <sup>2</sup> | Per Capita Disposal Rate Based on CalRecycle's Target = 2.7 | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>3</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | 1                                                                                                                                                                | 2                 | 3                   | 4                      | 5                   | 6               | 7               | 8                     | 9                             | 10                       | 11                                                                                                                                                                            | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |   |
|---------|------------------------------------|-------------------|------------------------------------------|-------------------------------------------------------------|-----------------------------|----------------------------------------------------------------------|------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|---------------------|------------------------|---------------------|-----------------|-----------------|-----------------------|-------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|---|
|         |                                    |                   |                                          |                                                             |                             |                                                                      |                                    |                                          | IN-COUNTY CLASS III LANDFILLS                                                                                                                                    |                   |                     |                        |                     |                 |                 |                       |                               |                          | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons) |                                                                | H |
|         |                                    |                   |                                          |                                                             |                             |                                                                      |                                    |                                          | R                                                                                                                                                                | R                 |                     |                        |                     | R               | R               |                       |                               | R                        |                                                                                                                                                                               |                                                                |   |
|         |                                    |                   |                                          |                                                             |                             |                                                                      |                                    |                                          | Antelope Valley                                                                                                                                                  | Burbank           | Calabasas           | Chiquita               | Lancaster           | Pebbley Beach   | San Clemente    | Scholl                | Sunshine City/County Combined | Whittier (Savage Canyon) |                                                                                                                                                                               |                                                                |   |
|         |                                    |                   |                                          |                                                             |                             |                                                                      |                                    |                                          | Maximum Permitted Daily Disposal Capacity (tpd-6)<br>Expected Average Daily Disposal Tonnage (tpd-6)<br>Remaining Disposal Capacity at Year's End (Million Tons) |                   |                     |                        |                     |                 |                 |                       |                               |                          |                                                                                                                                                                               |                                                                |   |
| A       | Adjusted B                         | Adjusted C=A(1-B) | D                                        | E                                                           | F                           | G                                                                    | H=C+E-F-G                          |                                          |                                                                                                                                                                  |                   |                     |                        |                     |                 |                 |                       |                               | H                        | J=H-I                                                                                                                                                                         |                                                                |   |
| (tpd-6) |                                    | (tpd-6)           |                                          | (tpd-6)                                                     | (tpd-6)                     | (tpd-6)                                                              | (tpd-6)                            |                                          |                                                                                                                                                                  |                   |                     |                        |                     |                 |                 |                       |                               | (tpd-6)                  | (tpd-6)                                                                                                                                                                       |                                                                |   |
| 2019    | 96,469                             | 65%               | 33,764                                   | --                                                          | 541                         | 1,079                                                                | 15,929                             | 17,297                                   | 3,600<br>2,046<br>11.0                                                                                                                                           | 240<br>103<br>2.7 | 3,500<br>842<br>4.3 | 6,616<br>5,115<br>57.0 | 3,000<br>350<br>9.9 | 49<br>14<br>0.1 | 10<br>1<br>0.02 | 3,400<br>1,075<br>3.8 | 11,000<br>6,919<br>55.2       | 350<br>291<br>4.4        | 26,542<br>148                                                                                                                                                                 | --                                                             |   |
| 2020    | 97,023                             | 83%               | 16,429                                   | 2.70                                                        | 600                         | 1,200                                                                | 7,589                              | 8,240                                    | 3,600<br>975<br>10.7                                                                                                                                             | 240<br>49<br>2.6  | 3,500<br>401<br>4.2 | 6,616<br>6,616<br>54.9 | 3,000<br>167<br>9.9 | 49<br>7<br>0.05 | 10<br>1<br>0.02 | 3,400<br>512<br>3.7   | 11,000<br>3,296<br>54.1       | 350<br>138<br>4.4        | 25,324<br>145                                                                                                                                                                 | --                                                             |   |
| 2021    | 97,240                             | 83%               | 16,528                                   | 2.70                                                        | 600                         | 1,200                                                                | 7,636                              | 8,292                                    | 3,600<br>981<br>10.4                                                                                                                                             | 240<br>50<br>2.6  | 3,500<br>404<br>4.1 | 6,616<br>6,616<br>52.9 | 3,000<br>168<br>9.8 | 49<br>7<br>0.05 | 10<br>1<br>0.02 | 3,400<br>515<br>3.5   | 11,000<br>3,317<br>53.1       | 350<br>139<br>4.4        | 25,331<br>141                                                                                                                                                                 | (17,039)                                                       |   |
| 2022    | 99,729                             | 83%               | 16,627                                   | 2.70                                                        | 600                         | 1,200                                                                | 7,683                              | 8,343                                    | 3,600<br>987<br>10.1                                                                                                                                             | 240<br>50<br>2.6  | 3,500<br>406<br>3.9 | 6,616<br>6,616<br>50.8 | 3,000<br>169<br>9.8 | 49<br>7<br>0.04 | 10<br>1<br>0.02 | 3,400<br>519<br>3.3   | 11,000<br>3,337<br>52.1       | 350<br>140<br>4.3        | 25,338<br>137                                                                                                                                                                 | (16,995)                                                       |   |
| 2023    | 100,691                            | 83%               | 16,726                                   | 2.70                                                        | 600                         | 1,200                                                                | 7,731                              | 8,395                                    | 3,600<br>993<br>9.7                                                                                                                                              | 240<br>50<br>2.6  | 3,500<br>409<br>3.8 | 6,616<br>6,616<br>48.7 | 3,000<br>170<br>9.7 | 49<br>7<br>0.04 | 10<br>1<br>0.02 | 3,400<br>522<br>3.2   | 11,000<br>3,358<br>51.0       | 350<br>141<br>4.3        | 25,345<br>133                                                                                                                                                                 | (16,950)                                                       |   |
| 2024    | 101,549                            | 83%               | 16,827                                   | 2.70                                                        | 600                         | 600                                                                  | 8,067                              | 8,760                                    | 3,600<br>1,036<br>9.4                                                                                                                                            | 240<br>52<br>2.6  | 3,500<br>427<br>3.7 | 6,616<br>6,616<br>46.7 | 3,000<br>177<br>9.7 | 49<br>7<br>0.04 | 10<br>1<br>0.02 | 3,400<br>545<br>3.0   | 11,000<br>3,504<br>49.9       | 350<br>147<br>4.2        | 25,394<br>129                                                                                                                                                                 | (16,634)                                                       |   |
| 2025    | 102,496                            | 83%               | 16,928                                   | 2.70                                                        | 600                         | 0                                                                    | 8,403                              | 9,125                                    | 3,600<br>1,079<br>9.1                                                                                                                                            | 240<br>54<br>2.6  | 3,500<br>444<br>3.5 | 3,411<br>3,411<br>45.6 | 3,000<br>184<br>9.6 | 49<br>7<br>0.04 | 10<br>1<br>0.02 | 3,400<br>567<br>2.8   | 11,000<br>3,650<br>48.8       | 350<br>153<br>4.2        | 22,238<br>126                                                                                                                                                                 | (13,113)                                                       |   |
| 2026    | 103,390                            | 84%               | 17,029                                   | 2.70                                                        | 600                         | 0                                                                    | 8,452                              | 9,178                                    | 3,600<br>1,086<br>8.7                                                                                                                                            | 240<br>55<br>2.6  | 3,500<br>447<br>3.4 | 3,411<br>3,411<br>44.5 | 3,000<br>185<br>9.6 | 49<br>7<br>0.04 | 10<br>1<br>0.02 | 3,400<br>571<br>2.7   | 11,000<br>3,671<br>47.6       | 350<br>154<br>4.1        | 22,245<br>123                                                                                                                                                                 | (13,068)                                                       |   |
| 2027    | 104,302                            | 84%               | 17,132                                   | 2.70                                                        | 600                         | 0                                                                    | 8,501                              | 9,231                                    | 3,600<br>1,092<br>8.4                                                                                                                                            | 240<br>55<br>2.5  | 3,500<br>449<br>3.3 | 3,411<br>3,411<br>43.5 | 3,000<br>187<br>9.5 | 49<br>7<br>0.03 | 10<br>1<br>0.02 | 3,400<br>574<br>2.5   | 11,000<br>3,692<br>46.5       | 350<br>155<br>4.1        | 22,253<br>120                                                                                                                                                                 | (13,022)                                                       |   |
| 2028    | 105,214                            | 84%               | 17,234                                   | 2.70                                                        | 600                         | 0                                                                    | 8,550                              | 9,284                                    | 3,600<br>1,098<br>8.1                                                                                                                                            | 240<br>55<br>2.5  | 3,500<br>452<br>3.1 | 3,411<br>3,411<br>42.4 | 3,000<br>188<br>9.5 | 49<br>7<br>CP   | 10<br>1<br>0.02 | 3,400<br>577<br>2.3   | 11,000<br>3,714<br>45.3       | 350<br>156<br>4.0        | 22,260<br>117                                                                                                                                                                 | (12,975)                                                       |   |
| 2029    | 106,178                            | 84%               | 17,338                                   | 2.70                                                        | 600                         | 0                                                                    | 8,600                              | 9,338                                    | 3,600<br>1,105<br>7.7                                                                                                                                            | 240<br>56<br>2.5  | 3,500<br>455<br>CP  | 3,411<br>3,411<br>41.3 | 3,000<br>189<br>9.4 |                 | 10<br>1<br>0.02 | 3,400<br>581<br>2.1   | 11,000<br>3,735<br>44.2       | 350<br>157<br>4.0        | 22,260<br>111                                                                                                                                                                 | (12,921)                                                       |   |
| 2030    | 107,185                            | 84%               | 17,442                                   | 2.70                                                        | 600                         | 0                                                                    | 8,649                              | 9,392                                    | 3,600<br>1,111<br>7.4                                                                                                                                            | 240<br>56<br>2.5  |                     | 3,411<br>3,411<br>40.3 | 3,000<br>190<br>9.3 |                 | 10<br>1<br>0.02 | 3,400<br>584<br>CP    | 11,000<br>3,757<br>43.0       | 350<br>158<br>3.9        | 21,810<br>106                                                                                                                                                                 | (12,417)                                                       |   |
| 2031    | 108,182                            | 84%               | 17,543                                   | 2.70                                                        | 600                         | 0                                                                    | 8,698                              | 9,445                                    | 3,600<br>1,117<br>7.0                                                                                                                                            | 240<br>56<br>2.5  |                     | 3,411<br>3,411<br>39.2 | 3,000<br>191<br>9.3 |                 | 10<br>1<br>0.02 |                       | 11,000<br>3,778<br>41.8       | 350<br>159<br>3.9        | 21,227<br>104                                                                                                                                                                 | (11,782)                                                       |   |
| 2032    | 109,209                            | 84%               | 17,645                                   | 2.70                                                        | 600                         | 0                                                                    | 8,747                              | 9,498                                    | 3,600<br>1,124<br>6.7                                                                                                                                            | 240<br>57<br>2.4  |                     | 3,411<br>3,411<br>38.2 | 3,000<br>192<br>9.2 |                 | 10<br>1<br>0.02 |                       | 11,000<br>3,799<br>40.6       | 350<br>160<br>3.8        | 21,228<br>101                                                                                                                                                                 | (11,730)                                                       |   |
| 2033    | 110,240                            | 84%               | 17,747                                   | 2.70                                                        | 600                         | 0                                                                    | 8,796                              | 9,551                                    | 3,600<br>1,130<br>6.3                                                                                                                                            | 240<br>57<br>2.4  |                     | 3,411<br>3,411<br>37.1 | 3,000<br>193<br>9.2 |                 | 10<br>1<br>0.02 |                       | 11,000<br>3,821<br>39.4       | 350<br>161<br>3.8        | 21,229<br>98                                                                                                                                                                  | (11,678)                                                       |   |
| 2034    | 111,303                            | 84%               | 17,848                                   | 2.70                                                        | 600                         | 0                                                                    | 8,844                              | 9,604                                    | 3,600<br>1,136<br>6.0                                                                                                                                            | 240<br>57<br>2.4  |                     | 3,411<br>3,411<br>36.0 | 3,000<br>194<br>9.1 |                 | 10<br>1<br>0.02 |                       | 11,000<br>3,842<br>38.2       | 350<br>161<br>3.7        | 21,230<br>95                                                                                                                                                                  | (11,627)                                                       |   |

ASSUMPTIONS/NOTES:

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
- The Total Daily Disposal Demand for the years 2019 - 2020 (Column C) is determined based on the daily solid waste generation rate and the assumed diversion rates for the scenario. However, for the purposes of this scenario, the total daily disposal demand for the years 2021 - 2034 is adjusted using CalRecycle's statewide disposal target of 2.7 pounds per person per day (PPD). As a result, the diversion rate is assumed to increase from 65% (as shown in other scenarios) to 83% by 2020.
- Daily Available Capacity from Transformation Facilities assume Southeast Resource Recovery Facility will cease its operation on June 2024.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed (R). A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill on March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
- This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)  
E - Expansion may become effective  
R - Restricted wasteshed  
WWE - Clean Hands Waiver (Waiver) or Waiver expiration.

2019 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN  
DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3  
SCENARIO IV - MEETING SENATE BILL 1383 ORGANIC WASTE DISPSOSAL REDUCTION TARGETS

Existing In-County Class III Landfills & Transformation Facilities

Diversion Rate (74% by 2020)

Exports based on Existing Export Agreements

| Year    | Generation<br><br>Total<br>Solid Waste<br>Generation<br>Rate <sup>1</sup> | Diversion |         | Disposal |              |         | Imports<br>from<br>Other<br>Counties | Daily Available<br>Capacity from<br>Transformation<br>Facilities <sup>6</sup> | Exports to<br>Out-of-County<br>Landfills | Class III<br>Landfill<br>Daily<br>Disposal<br>Demand | 1                                                                                                                                                                | 2                 | 3                    | 4                      | 5                   | 6                | 7                  | 8                     | 9                                   | 10                          | 11                                                                                                                                                                                                                  | Class III Landfill<br>Daily Disposal<br>Capacity<br>Shortfall<br>(Reserve) |
|---------|---------------------------------------------------------------------------|-----------|---------|----------|--------------|---------|--------------------------------------|-------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|------------------------|---------------------|------------------|--------------------|-----------------------|-------------------------------------|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
|         |                                                                           |           |         |          |              |         |                                      |                                                                               |                                          |                                                      | IN-COUNTY CLASS III LANDFILLS                                                                                                                                    |                   |                      |                        |                     |                  |                    |                       |                                     |                             | Total In-County<br>Class III Landfill<br>Available Disposal<br>Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County<br>Class III Landfill<br>Remaining Disposal<br>Capacity (million tons)<br><br>K<br>(tpd-6) |                                                                            |
|         |                                                                           |           |         |          |              |         |                                      |                                                                               |                                          |                                                      | R                                                                                                                                                                |                   | R                    |                        | R                   |                  | R                  |                       | R                                   |                             |                                                                                                                                                                                                                     |                                                                            |
|         |                                                                           |           |         |          |              |         |                                      |                                                                               |                                          |                                                      | Antelope<br>Valley                                                                                                                                               | Burbank           | Calabasas            | Chiquita               | Lancaster           | Pebbly Beach     | San Clemente       | Scholl                | Sunshine<br>City/County<br>Combined | Whittier<br>(Savage Canyon) |                                                                                                                                                                                                                     |                                                                            |
|         |                                                                           |           |         |          |              |         |                                      |                                                                               |                                          |                                                      | Maximum Permitted Daily Disposal Capacity (tpd-6)<br>Expected Average Daily Disposal Tonnage (tpd-6)<br>Remaining Disposal Capacity at Year's End (Million Tons) |                   |                      |                        |                     |                  |                    |                       |                                     |                             |                                                                                                                                                                                                                     |                                                                            |
| A       | C=A*B                                                                     | D=A(1-B)  | E       | F=E/D    | G            | H       | I                                    | J=D+G-H-I                                                                     | --                                       | --                                                   | --                                                                                                                                                               | --                | --                   | --                     | --                  | --               | --                 | --                    | --                                  | --                          | L=J-K                                                                                                                                                                                                               |                                                                            |
| (tpd-6) | (tpd-6)                                                                   | (tpd-6)   | (tpd-6) | (tpd-6)  | (tpd-6)      | (tpd-6) | (tpd-6)                              | (tpd-6)                                                                       | (tpd-6)                                  | (tpd-6)                                              | (tpd-6)                                                                                                                                                          | (tpd-6)           | (tpd-6)              | (tpd-6)                | (tpd-6)             | (tpd-6)          | (tpd-6)            | (tpd-6)               | (tpd-6)                             | (tpd-6)                     | (tpd-6)                                                                                                                                                                                                             |                                                                            |
| 2014    | 70,170                                                                    | 60%       | 42,102  | 28,068   | 13,557       | 48%     | --                                   | --                                                                            | --                                       | --                                                   | --                                                                                                                                                               | --                | --                   | --                     | --                  | --               | --                 | --                    | --                                  | --                          | --                                                                                                                                                                                                                  |                                                                            |
| 2019    | 96,469                                                                    | 65%       | 62,705  | 33,764   | 17,263       | 51%     | 541                                  | 1,079                                                                         | 15,929                                   | 17,297                                               | 3,600<br>2,046<br>11.0                                                                                                                                           | 240<br>103<br>2.7 | 3,500<br>842<br>4.3  | 6,616<br>5,115<br>57.0 | 3,000<br>350<br>9.9 | 49<br>14<br>0.05 | 10<br>1.38<br>0.02 | 3,400<br>1,075<br>3.8 | 11,000<br>6,919<br>55.2             | 350<br>291<br>4.4           | 26,542                                                                                                                                                                                                              | --                                                                         |
| 2020    | 97,023                                                                    | 76%       | 74,155  | 29,707   | 6,778<br>50% | 23%     | 600                                  | 1,200                                                                         | 13,954                                   | 15,153                                               | 3,600<br>1,793<br>10.4                                                                                                                                           | 240<br>90<br>2.6  | 3,500<br>738<br>4.1  | 6,616<br>6,616<br>54.9 | 3,000<br>306<br>9.9 | 49<br>12<br>0.05 | 10<br>1<br>0.02    | 3,400<br>942<br>3.5   | 11,000<br>6,061<br>53.3             | 350<br>255<br>4.4           | 26,254                                                                                                                                                                                                              | --                                                                         |
| 2021    | 97,240                                                                    | 77%       | 75,030  | 25,431   | 6,082        | 24%     | 600                                  | 1,200                                                                         | 11,904                                   | 12,927                                               | 3,600<br>1,529<br>9.9                                                                                                                                            | 240<br>77<br>2.6  | 3,500<br>629<br>3.9  | 6,616<br>6,616<br>52.9 | 3,000<br>261<br>9.8 | 49<br>10<br>0.04 | 10<br>1<br>0.02    | 3,400<br>804<br>3.3   | 11,000<br>5,171<br>51.7             | 350<br>217<br>4.3           | 25,955                                                                                                                                                                                                              | (13,028)                                                                   |
| 2022    | 99,729                                                                    | 78%       | 77,679  | 25,857   | 5497         | 21%     | 600                                  | 1,200                                                                         | 12,108                                   | 13,149                                               | 3,600<br>1,555<br>9.5                                                                                                                                            | 240<br>78<br>2.6  | 3,500<br>640<br>3.7  | 6,616<br>6,616<br>50.8 | 3,000<br>266<br>9.7 | 49<br>10<br>0.04 | 10<br>1<br>0.02    | 3,400<br>817<br>3.0   | 11,000<br>5,259<br>50.0             | 350<br>221<br>4.2           | 25,985                                                                                                                                                                                                              | (12,836)                                                                   |
| 2023    | 100,691                                                                   | 79%       | 79,165  | 25,576   | 4,809        | 19%     | 600                                  | 1,200                                                                         | 11,974                                   | 13,002                                               | 3,600<br>1,538<br>9.0                                                                                                                                            | 240<br>78<br>2.6  | 3,500<br>633<br>3.5  | 6,616<br>6,616<br>48.7 | 3,000<br>263<br>9.6 | 49<br>10<br>0.04 | 10<br>1<br>0.02    | 3,400<br>808<br>2.8   | 11,000<br>5,201<br>48.4             | 350<br>219<br>4.2           | 25,965                                                                                                                                                                                                              | (12,963)                                                                   |
| 2024    | 101,549                                                                   | 79%       | 80,580  | 25,144   | 4,104        | 16%     | 600                                  | 600                                                                           | 12,054                                   | 13,090                                               | 3,600<br>1,549<br>8.5                                                                                                                                            | 240<br>78<br>2.5  | 3,500<br>637<br>3.3  | 6,616<br>6,616<br>46.7 | 3,000<br>265<br>9.5 | 49<br>10<br>0.03 | 10<br>1<br>0.02    | 3,400<br>814<br>2.5   | 11,000<br>5,236<br>46.8             | 350<br>220<br>4.1           | 25,977                                                                                                                                                                                                              | (12,887)                                                                   |
| 2025    | 102,496                                                                   | 80%       | 82,081  | 24,685   | 3,389<br>75% | 14%     | 600                                  | 0                                                                             | 12,122                                   | 13,163                                               | 3,600<br>1,557<br>8.0                                                                                                                                            | 240<br>79<br>2.5  | 3,500<br>641<br>3.1  | 3,411<br>3,411<br>45.6 | 3,000<br>266<br>9.4 | 49<br>10<br>0.03 | 10<br>1<br>0.02    | 3,400<br>818<br>2.3   | 11,000<br>5,265<br>45.1             | 350<br>221<br>4.0           | 22,781                                                                                                                                                                                                              | (9,619)                                                                    |
| 2026    | 103,390                                                                   | 80%       | 82,821  | 24,247   | 3,389        | 14%     | 600                                  | 0                                                                             | 11,912                                   | 12,935                                               | 3,600<br>1,530<br>7.5                                                                                                                                            | 240<br>77<br>2.5  | 3,500<br>630<br>2.9  | 3,411<br>3,411<br>44.5 | 3,000<br>261<br>9.4 | 49<br>10<br>0.03 | 10<br>1<br>0.02    | 3,400<br>804<br>2.0   | 11,000<br>5,174<br>43.5             | 350<br>217<br>4.0           | 22,751                                                                                                                                                                                                              | (9,816)                                                                    |
| 2027    | 104,302                                                                   | 80%       | 83,578  | 24,214   | 3,389        | 14%     | 600                                  | 0                                                                             | 11,896                                   | 12,918                                               | 3,600<br>1,528<br>7.0                                                                                                                                            | 240<br>77<br>2.5  | 3,500<br>629<br>2.7  | 3,411<br>3,411<br>43.5 | 3,000<br>261<br>9.3 | 49<br>10<br>0.02 | 10<br>1<br>0.02    | 3,400<br>803<br>1.8   | 11,000<br>5,167<br>41.9             | 350<br>217<br>3.9           | 22,748                                                                                                                                                                                                              | (9,831)                                                                    |
| 2028    | 105,214                                                                   | 80%       | 84,333  | 24,397   | 3,389        | 14%     | 600                                  | 0                                                                             | 11,984                                   | 13,013                                               | 3,600<br>1,539<br>6.6                                                                                                                                            | 240<br>78<br>2.4  | 3,500<br>634<br>2.5  | 3,411<br>3,411<br>42.4 | 3,000<br>263<br>9.2 | 49<br>10<br>CP   | 10<br>1<br>0.02    | 3,400<br>809<br>1.5   | 11,000<br>5,205<br>40.3             | 350<br>219<br>3.8           | 22,761                                                                                                                                                                                                              | (9,748)                                                                    |
| 2029    | 106,178                                                                   | 80%       | 85,132  | 24,591   | 3,389        | 14%     | 600                                  | 0                                                                             | 12,077                                   | 13,114                                               | 3,600<br>1,551<br>6.1                                                                                                                                            | 240<br>78<br>2.4  | 3,500<br>639<br>CP   | 3,411<br>3,411<br>41.3 | 3,000<br>265<br>9.1 | 49<br>10<br>0.02 | 10<br>1<br>0.02    | 3,400<br>815<br>1.3   | 11,000<br>5,246<br>38.6             | 350<br>220<br>3.8           | 22,765                                                                                                                                                                                                              | (9,650)                                                                    |
| 2030    | 107,185                                                                   | 80%       | 85,968  | 24,801   | 3,389        | 14%     | 600                                  | 0                                                                             | 12,177                                   | 13,223                                               | 3,600<br>1,564<br>5.6                                                                                                                                            | 240<br>79<br>2.4  | 3,500<br>639<br>40.3 | 3,411<br>3,411<br>40.3 | 3,000<br>267<br>9.0 | 49<br>10<br>0.02 | 10<br>1<br>0.02    | 3,400<br>822<br>CP    | 11,000<br>5,289<br>37.0             | 350<br>222<br>3.7           | 22,135                                                                                                                                                                                                              | (8,912)                                                                    |
| 2031    | 108,182                                                                   | 80%       | 86,794  | 24,998   | 3,389        | 14%     | 600                                  | 0                                                                             | 12,272                                   | 13,326                                               | 3,600<br>1,576<br>5.1                                                                                                                                            | 240<br>80<br>2.4  | 3,500<br>639<br>39.2 | 3,411<br>3,411<br>39.2 | 3,000<br>269<br>8.9 | 49<br>10<br>0.02 | 10<br>1<br>0.02    | 3,400<br>815<br>35.3  | 11,000<br>5,330<br>35.3             | 350<br>224<br>3.6           | 21,316                                                                                                                                                                                                              | (7,990)                                                                    |
| 2032    | 109,209                                                                   | 80%       | 87,645  | 25,203   | 3,389        | 13%     | 600                                  | 0                                                                             | 12,370                                   | 13,433                                               | 3,600<br>1,589<br>4.6                                                                                                                                            | 240<br>80<br>2.3  | 3,500<br>634<br>38.2 | 3,411<br>3,411<br>38.2 | 3,000<br>271<br>8.9 | 49<br>10<br>0.02 | 10<br>1<br>0.02    | 3,400<br>809<br>33.6  | 11,000<br>5,373<br>33.6             | 350<br>226<br>3.5           | 21,318                                                                                                                                                                                                              | (7,885)                                                                    |
| 2033    | 110,240                                                                   | 80%       | 88,500  | 25,406   | 3,389        | 13%     | 600                                  | 0                                                                             | 12,468                                   | 13,539                                               | 3,600<br>1,602<br>4.1                                                                                                                                            | 240<br>81<br>2.3  | 3,500<br>634<br>37.1 | 3,411<br>3,411<br>37.1 | 3,000<br>274<br>8.8 | 49<br>10<br>0.01 | 10<br>1<br>0.01    | 3,400<br>815<br>31.9  | 11,000<br>5,415<br>31.9             | 350<br>228<br>3.5           | 21,320                                                                                                                                                                                                              | (7,782)                                                                    |
| 2034    | 111,303                                                                   | 80%       | 89,381  | 25,616   | 3,389        | 13%     | 600                                  | 0                                                                             | 12,568                                   | 13,648                                               | 3,600<br>1,615<br>3.6                                                                                                                                            | 240<br>81<br>2.3  | 3,500<br>634<br>36.0 | 3,411<br>3,411<br>36.0 | 3,000<br>276<br>8.7 | 49<br>10<br>0.01 | 10<br>1<br>0.01    | 3,400<br>815<br>30.2  | 11,000<br>5,459<br>30.2             | 350<br>229<br>3.4           | 21,323                                                                                                                                                                                                              | (7,675)                                                                    |

ASSUMPTIONS:

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
- Total Solid Waste Diversion Rate for the years 2020-2034 reflects the impact of diverting the amount of additional organics from disposal.
- Total Solid Waste Diversion Tonnage for the years 2020-2034 is calculated to reflect the amount of additional organics being diverted in order to meet the organic waste disposal reduction target of Senate Bill 1383. (Source: Countywide Organic Waste Management Plan, 2019 Annual Report)
- Total Solid Waste Daily Disposal Demand for the years 2020-2034 is calculated to reflect the amount of additional organics being diverted in order to meet the organic waste disposal reduction targets of Senate Bill 1383. (Source: Countywide Organic Waste Management Plan, 2018 Annual Report)
- The amount of Organic Waste Disposal Tonnage is calculated using the organic waste disposal reduction targets of Senate Bill 1383. (Source: Countywide Organic Waste Management Plan, 2019 Annual Report)
- Daily Available Capacity from Transformation Facilities assume Southeast Resource Recovery Facility will cease its operation on June 2024.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed. A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill on March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
- This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)  
E - Expansion may become effective  
R - Restricted wasteshed  
WWE - Clean Hands Waiver (Waiver) or Waiver expiration.

2019 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN  
DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3  
SCENARIO V - UTILIZATION OF ADDITIONAL ALTERNATIVE TECHNOLOGY CAPACITY

- Existing In-County Class III Landfills and Transformation Facilities
- Diversion Rate at 65%
- Exports based on Existing Export Agreements
- Utilization of Additional Alternative Technology Capacity

| Year | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Potential Daily Available Capacity from Alternative Technology Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | 1                                                                                                                                                                | 2       | 3         | 4        |  | 5         | 6            | 7            | 8      | 9                             | 10                                                                                                                                                                            | 11                                                             | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |                          |
|------|------------------------------------|----------------|-----------------------------|-----------------------------|----------------------------------------------------------------------------------------|------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-----------|----------|--|-----------|--------------|--------------|--------|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|--------------------------|
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | IN-COUNTY CLASS III LANDFILLS                                                                                                                                    |         |           |          |  |           |              |              |        |                               | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons) | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | R                                                                                                                                                                | R       |           |          |  | R         | R            |              | R      |                               |                                                                                                                                                                               |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | Antelope Valley                                                                                                                                                  | Burbank | Calabasas | Chiquita |  | Lancaster | Pebbly Beach | San Clemente | Scholl | Sunshine City/County Combined |                                                                                                                                                                               |                                                                |                                                                | Whittier (Savage Canyon) |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | Maximum Permitted Daily Disposal Capacity (tpd-6)<br>Expected Average Daily Disposal Tonnage (tpd-6)<br>Remaining Disposal Capacity at Year's End (Million Tons) |         |           |          |  |           |              |              |        |                               |                                                                                                                                                                               |                                                                |                                                                |                          |
|      | A                                  | B              | C=A(1-B)                    | D                           | E                                                                                      | F                                  | G=C+D-E-F                                |                                                                                                                                                                  |         |           |          |  |           |              |              |        |                               | H                                                                                                                                                                             | I=G-H                                                          |                                                                |                          |
|      | (tpd-6)                            |                | (tpd-6)                     | (tpd-6)                     | (tpd-6)                                                                                | (tpd-6)                            | (tpd-6)                                  |                                                                                                                                                                  |         |           |          |  |           |              |              |        |                               | (tpd-6)                                                                                                                                                                       | (tpd-6)                                                        |                                                                |                          |
| 2019 | 96,469                             | 65%            | 33,764                      | 541                         | 1,079                                                                                  | 15,929                             | 17,297                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,542                                                         | --                                                             |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,046                                                                                                                                                            | 103     | 842       | 5,115    |  | 350       | 14           | 1            | 1,075  | 6,919                         | 291                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 11.0                                                                                                                                                             | 2.7     | 4.3       | 57.0     |  | 9.9       | 0.1          | 0.02         | 3.8    | 55.2                          | 4.4                                                                                                                                                                           | 148                                                            |                                                                |                          |
| 2020 | 97,023                             | 65%            | 33,958                      | 600                         | 1,200                                                                                  | 15,992                             | 17,366                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,552                                                         | --                                                             |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,054                                                                                                                                                            | 104     | 846       | 6,616    |  | 351       | 14           | 1            | 1,080  | 6,946                         | 292                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 10.3                                                                                                                                                             | 2.6     | 4.1       | 48.1     |  | 9.8       | 0.05         | 0.02         | 3.5    | 53.0                          | 4.4                                                                                                                                                                           | 136                                                            |                                                                |                          |
| 2021 | 97,240                             | 65%            | 34,034                      | 600                         | 1,600                                                                                  | 15,837                             | 17,197                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,529                                                         | (9,332)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,034                                                                                                                                                            | 103     | 837       | 6,616    |  | 348       | 14           | 1            | 1,069  | 6,879                         | 289                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 9.7                                                                                                                                                              | 2.6     | 3.8       | 46.0     |  | 9.7       | 0.04         | 0.02         | 3.2    | 50.8                          | 4.3                                                                                                                                                                           | 130                                                            |                                                                |                          |
| 2022 | 99,729                             | 65%            | 34,905                      | 600                         | 1,600                                                                                  | 16,254                             | 17,651                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,590                                                         | (8,939)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,088                                                                                                                                                            | 105     | 859       | 6,616    |  | 357       | 14           | 1            | 1,097  | 7,060                         | 297                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 9.0                                                                                                                                                              | 2.6     | 3.5       | 44.0     |  | 9.6       | 0.04         | 0.02         | 2.8    | 48.6                          | 4.2                                                                                                                                                                           | 124                                                            |                                                                |                          |
| 2023 | 100,691                            | 65%            | 35,242                      | 600                         | 1,600                                                                                  | 16,416                             | 17,826                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,614                                                         | (8,788)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,109                                                                                                                                                            | 106     | 868       | 6,616    |  | 360       | 14           | 1            | 1,108  | 7,130                         | 300                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 8.4                                                                                                                                                              | 2.5     | 3.3       | 41.9     |  | 9.5       | 0.03         | 0.02         | 2.5    | 46.4                          | 4.1                                                                                                                                                                           | 119                                                            |                                                                |                          |
| 2024 | 101,549                            | 65%            | 35,542                      | 600                         | 1,600                                                                                  | 16,560                             | 17,982                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 6,616    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 26,635                                                         | (8,652)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,127                                                                                                                                                            | 107     | 876       | 6,616    |  | 363       | 14           | 1            | 1,118  | 7,193                         | 302                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 7.7                                                                                                                                                              | 2.5     | 3.0       | 39.9     |  | 9.4       | 0.03         | 0.02         | 2.1    | 44.2                          | 4.0                                                                                                                                                                           | 113                                                            |                                                                |                          |
| 2025 | 102,496                            | 65%            | 35,874                      | 600                         | 1,600                                                                                  | 16,719                             | 18,155                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 3,411    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 23,453                                                         | (5,298)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,148                                                                                                                                                            | 108     | 884       | 3,411    |  | 367       | 14           | 1            | 1,129  | 7,262                         | 305                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 7.1                                                                                                                                                              | 2.5     | 2.7       | 38.8     |  | 9.3       | 0.02         | 0.02         | 1.8    | 41.9                          | 3.9                                                                                                                                                                           | 108                                                            |                                                                |                          |
| 2026 | 103,390                            | 65%            | 36,186                      | 600                         | 1,600                                                                                  | 16,869                             | 18,318                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 3,411    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 23,475                                                         | (5,157)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,167                                                                                                                                                            | 109     | 892       | 3,411    |  | 370       | 14           | 1            | 1,139  | 7,327                         | 308                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 6.4                                                                                                                                                              | 2.4     | 2.4       | 37.7     |  | 9.2       | 0.02         | 0.02         | 1.4    | 39.6                          | 3.8                                                                                                                                                                           | 103                                                            |                                                                |                          |
| 2027 | 104,302                            | 65%            | 36,506                      | 600                         | 1,600                                                                                  | 17,022                             | 18,484                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 3,411    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 23,497                                                         | (5,013)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,187                                                                                                                                                            | 110     | 900       | 3,411    |  | 374       | 15           | 1            | 1,149  | 7,394                         | 311                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 5.7                                                                                                                                                              | 2.4     | 2.1       | 36.7     |  | 9.0       | 0.02         | 0.02         | 1.1    | 37.3                          | 3.7                                                                                                                                                                           | 98                                                             |                                                                |                          |
| 2028 | 105,214                            | 65%            | 36,825                      | 600                         | 1,600                                                                                  | 17,175                             | 18,650                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 3,411    |  | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 23,519                                                         | (4,869)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,206                                                                                                                                                            | 111     | 908       | 3,411    |  | 377       | 15           | 1            | 1,159  | 7,460                         | 313                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 5.0                                                                                                                                                              | 2.4     | 1.9       | 35.6     |  | 8.9       | CP           | 0.02         | 0.69   | 35.0                          | 3.6                                                                                                                                                                           | 93                                                             |                                                                |                          |
| 2029 | 106,178                            | 65%            | 37,162                      | 600                         | 1,600                                                                                  | 17,337                             | 18,826                                   | 3,600                                                                                                                                                            | 240     | 3,500     | 3,411    |  | 3,000     |              | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 23,528                                                         | (4,703)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,227                                                                                                                                                            | 112     | 917       | 3,411    |  | 380       |              | 2            | 1,170  | 7,530                         | 316                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 4.3                                                                                                                                                              | 2.3     | CP        | 34.5     |  | 8.8       |              | 0.01         | 0.33   | 32.6                          | 3.5                                                                                                                                                                           | 86                                                             |                                                                |                          |
| 2030 | 107,185                            | 65%            | 37,515                      | 600                         | 1,600                                                                                  | 17,506                             | 19,009                                   | 3,600                                                                                                                                                            | 240     |           | 3,411    |  | 3,000     |              | 10           | 3,400  | 11,000                        | 350                                                                                                                                                                           | 22,627                                                         | (3,618)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,249                                                                                                                                                            | 113     |           | 3,411    |  | 384       |              | 2            | 1,182  | 7,604                         | 319                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 3.6                                                                                                                                                              | 2.3     |           | 33.5     |  | 8.7       |              | 0.01         | CP     | 30.3                          | 3.4                                                                                                                                                                           | 82                                                             |                                                                |                          |
| 2031 | 108,182                            | 65%            | 37,864                      | 600                         | 1,600                                                                                  | 17,673                             | 19,191                                   | 3,600                                                                                                                                                            | 240     |           | 3,411    |  | 3,000     |              | 10           |        | 11,000                        | 350                                                                                                                                                                           | 21,450                                                         | (2,259)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,270                                                                                                                                                            | 115     |           | 3,411    |  | 388       |              | 2            |        | 7,676                         | 323                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2.9                                                                                                                                                              | 2.3     |           | 32.4     |  | 8.6       |              | 0.01         |        | 27.9                          | 3.3                                                                                                                                                                           | 77                                                             |                                                                |                          |
| 2032 | 109,209                            | 65%            | 38,223                      | 600                         | 1,600                                                                                  | 17,845                             | 19,378                                   | 3,600                                                                                                                                                            | 240     |           | 3,411    |  | 3,000     |              | 10           |        | 11,000                        | 350                                                                                                                                                                           | 21,454                                                         | (2,076)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,292                                                                                                                                                            | 116     |           | 3,411    |  | 392       |              | 2            |        | 7,751                         | 326                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2.2                                                                                                                                                              | 2.2     |           | 31.3     |  | 8.4       |              | 0.01         |        | 25.5                          | 3.2                                                                                                                                                                           | 73                                                             |                                                                |                          |
| 2033 | 110,240                            | 65%            | 38,584                      | 600                         | 1,600                                                                                  | 18,018                             | 19,566                                   | 3,600                                                                                                                                                            | 240     |           | 3,411    |  | 3,000     |              | 10           |        | 11,000                        | 350                                                                                                                                                                           | 21,458                                                         | (1,892)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,315                                                                                                                                                            | 117     |           | 3,411    |  | 395       |              | 2            |        | 7,826                         | 329                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 1.5                                                                                                                                                              | 2.2     |           | 30.3     |  | 8.3       |              | 0.01         |        | 23.0                          | 3.1                                                                                                                                                                           | 68                                                             |                                                                |                          |
| 2034 | 111,303                            | 65%            | 38,956                      | 600                         | 1,600                                                                                  | 18,197                             | 19,760                                   | 3,600                                                                                                                                                            | 240     |           | 3,411    |  | 3,000     |              | 10           |        | 11,000                        | 350                                                                                                                                                                           | 21,463                                                         | (1,703)                                                        |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 2,338                                                                                                                                                            | 118     |           | 3,411    |  | 399       |              | 2            |        | 7,904                         | 332                                                                                                                                                                           |                                                                |                                                                |                          |
|      |                                    |                |                             |                             |                                                                                        |                                    |                                          | 0.7                                                                                                                                                              | 2.1     |           | 29.2     |  | 8.2       |              | 0.01         |        | 20.5                          | 3.0                                                                                                                                                                           | 64                                                             |                                                                |                          |

ASSUMPTIONS:

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
- Potential Daily Available Capacity from Alternative Technology Facilities assume Southeast Resource Recovery Facility (SERRF) will continue its operation or will get retrofitted to provide additional capacity and additional capacity will be available from potential EMSW facilities or other alternative technologies. This scenario also assumes Potential capacity from anaerobic digestion facility is considered part of diversion since anaerobic digestion process is within the statutory definition of composting which is considered as recycling.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed. A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill on March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
- This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)  
E - Expansion may become effective  
R - Restricted wasteshed  
WWE - Clean Hands Waiver (Waiver) or Waiver expiration

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APPENDIX E-3

SCENARIO VI - INCREASE IN EXPORTS TO OUT-OF-COUNTY LANDFILLS (EXCLUDING POTENTIAL WASTE-BY-RAIL CAPACITY)

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate at 65%

• Exports based on Existing Export Agreements

• Increase in Exports to Out-of-County Landfills (Excluding Potential Waste-by-Rail Capacity)

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | 1                                                 | 2       | 3         | 4        | 5         | 6             | 7            | 8      | 9                             | 10                       | 11                                                                                                                                                                            | Potential Waste-by-Rail Capacity <sup>4</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |  |  |                                                 |  |  |  |  |  |  |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|----------------------------------------------------------------------|------------------------------------|------------------------------------------|---------------------------------------------------|---------|-----------|----------|-----------|---------------|--------------|--------|-------------------------------|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------------------------------|--|--|-------------------------------------------------|--|--|--|--|--|--|
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | IN-COUNTY CLASS III LANDFILLS                     |         |           |          |           |               |              |        |                               |                          | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons) |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | R                                                 | R       |           |          | R         | R             |              | R      |                               |                          |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | Antelope Valley                                   | Burbank | Calabasas | Chiquita | Lancaster | Pebbley Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | Maximum Permitted Daily Disposal Capacity (tpd-6) |         |           |          |           |               |              |        |                               |                          |                                                                                                                                                                               |                                               |                                                                |  |  | Expected Average Daily Disposal Tonnage (tpd-6) |  |  |  |  |  |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F                                                                    | G=C+D-E-F                          |                                          |                                                   |         |           |          |           |               |              |        |                               | H                        | I                                                                                                                                                                             | J=G-H-I                                       |                                                                |  |  |                                                 |  |  |  |  |  |  |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)                                                              | (tpd-6)                            |                                          |                                                   |         |           |          |           |               |              |        |                               | (tpd-6)                  | (tpd-6)                                                                                                                                                                       | (tpd-6)                                       |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2019    | 96,469                             | 65%            | 33,764                      | 541                         | 1,079                                                                | 15,929                             | 17,297                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,542                                                                                                                                                                        | —                                             | --                                                             |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,046                                             | 103     | 842       | 5,115    | 350       | 14            | 1            | 1075   | 6,919                         | 291                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 11.0                                              | 2.7     | 4.3       | 57.0     | 9.9       | 0.1           | 0.02         | 3.8    | 55                            | 4.4                      | 148                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2020    | 97,023                             | 65%            | 33,958                      | 600                         | 1,200                                                                | 16,000                             | 17,358                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,551                                                                                                                                                                        | —                                             | --                                                             |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,053                                             | 104     | 845       | 6,616    | 351       | 14            | 1            | 1079   | 6,943                         | 292                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 10.3                                              | 2.6     | 4.1       | 48.1     | 9.8       | 0.05          | 0.02         | 3.5    | 53                            | 4.4                      | 136                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2021    | 97,240                             | 65%            | 34,034                      | 600                         | 1,200                                                                | 16,000                             | 17,434                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,561                                                                                                                                                                        | —                                             | (9,127)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,062                                             | 104     | 849       | 6,616    | 352       | 14            | 1            | 1084   | 6,974                         | 293                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 9.7                                               | 2.6     | 3.8       | 46.0     | 9.7       | 0.04          | 0.02         | 3.2    | 51                            | 4.3                      | 130                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2022    | 99,729                             | 65%            | 34,905                      | 600                         | 1,200                                                                | 17,000                             | 17,305                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,544                                                                                                                                                                        | —                                             | (9,239)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,047                                             | 103     | 843       | 6,616    | 350       | 14            | 1            | 1076   | 6,922                         | 291                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 9.1                                               | 2.6     | 3.5       | 44.0     | 9.6       | 0.04          | 0.02         | 2.8    | 49                            | 4.2                      | 124                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2023    | 100,691                            | 65%            | 35,242                      | 600                         | 1,200                                                                | 17,000                             | 17,642                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,589                                                                                                                                                                        | —                                             | (8,947)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,087                                             | 105     | 859       | 6,616    | 357       | 14            | 1            | 1097   | 7,057                         | 296                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 8.4                                               | 2.5     | 3.3       | 41.9     | 9.5       | 0.03          | 0.02         | 2.5    | 46                            | 4.1                      | 119                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2024    | 101,549                            | 65%            | 35,542                      | 600                         | 600                                                                  | 17,000                             | 18,542                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 26,710                                                                                                                                                                        | —                                             | (8,168)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,194                                             | 111     | 903       | 6,616    | 375       | 15            | 1            | 1153   | 7,417                         | 312                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 7.7                                               | 2.5     | 3.0       | 39.9     | 9.4       | 0.03          | 0.02         | 2.1    | 44                            | 4.0                      | 113                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2025    | 102,496                            | 65%            | 35,874                      | 600                         | 0                                                                    | 18,000                             | 18,474                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 23,496                                                                                                                                                                        | —                                             | (5,022)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,185                                             | 110     | 899       | 3,411    | 373       | 15            | 1            | 1148   | 7,390                         | 310                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 7.0                                               | 2.5     | 2.7       | 38.8     | 9.3       | 0.02          | 0.02         | 1.8    | 42                            | 3.9                      | 108                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2026    | 103,390                            | 65%            | 36,186                      | 600                         | 0                                                                    | 18,000                             | 18,786                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 23,538                                                                                                                                                                        | —                                             | (4,751)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,222                                             | 112     | 915       | 3,411    | 380       | 15            | 2            | 1168   | 7,515                         | 316                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 6.3                                               | 2.4     | 2.4       | 37.7     | 9.2       | 0.02          | 0.02         | 1.4    | 39                            | 3.8                      | 103                                                                                                                                                                           |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2027    | 104,302                            | 65%            | 36,506                      | 600                         | 0                                                                    | 18,000                             | 19,106                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 23,581                                                                                                                                                                        | —                                             | (4,475)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,260                                             | 114     | 930       | 3,411    | 386       | 15            | 2            | 1188   | 7,642                         | 321                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 5.6                                               | 2.4     | 2.1       | 36.7     | 9.0       | 0.02          | 0.02         | 1.0    | 37                            | 3.7                      | 98                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2028    | 105,214                            | 65%            | 36,825                      | 600                         | 0                                                                    | 18,000                             | 19,425                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 23,624                                                                                                                                                                        | —                                             | (4,199)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,298                                             | 116     | 946       | 3,411    | 393       | 15            | 2            | 1208   | 7,770                         | 326                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 4.9                                               | 2.4     | 1.8       | 35.6     | 8.9       | CP            | 0.02         | 0.65   | 35                            | 3.6                      | 93                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2029    | 106,178                            | 65%            | 37,162                      | 600                         | 0                                                                    | 18,000                             | 19,762                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 23,653                                                                                                                                                                        | —                                             | (3,891)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,338                                             | 118     | 962       | 3,411    | 399       | 15            | 2            | 1229   | 7,905                         | 332                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 4.2                                               | 2.3     | CP        | 34.5     | 8.8       |               | 0.01         | 0.26   | 32                            | 3.5                      | 86                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2030    | 107,185                            | 65%            | 37,515                      | 600                         | 0                                                                    | 19,000                             | 19,115                                   | 3,600                                             | 240     |           | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 22,636                                                                                                                                                                        | —                                             | (3,521)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,261                                             | 114     |           | 3,411    | 386       | 15            | 2            | 1188   | 7,646                         | 321                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 3.5                                               | 2.3     |           | 33.5     | 8.7       |               | 0.01         | CP     | 30                            | 3.4                      | 81                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2031    | 108,182                            | 65%            | 37,864                      | 600                         | 0                                                                    | 19,000                             | 19,464                                   | 3,600                                             | 240     |           | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 21,456                                                                                                                                                                        | —                                             | (1,992)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,303                                             | 116     |           | 3,411    | 393       | 15            | 2            |        | 7,786                         | 327                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2.8                                               | 2.2     |           | 32.4     | 8.5       |               | 0.01         |        | 27                            | 3.3                      | 77                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2032    | 109,209                            | 65%            | 38,223                      | 600                         | 0                                                                    | 19,000                             | 19,823                                   | 3,600                                             | 240     |           | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 21,464                                                                                                                                                                        | —                                             | (1,641)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,345                                             | 118     |           | 3,411    | 401       | 15            | 2            |        | 7,929                         | 333                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2.0                                               | 2.2     |           | 31.3     | 8.4       |               | 0.01         |        | 25                            | 3.2                      | 72                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2033    | 110,240                            | 65%            | 38,584                      | 600                         | 0                                                                    | 19,000                             | 20,184                                   | 3,600                                             | 240     |           | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 21,472                                                                                                                                                                        | —                                             | (1,288)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,388                                             | 120     |           | 3,411    | 408       | 15            | 2            |        | 8,074                         | 339                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 1.3                                               | 2.2     |           | 30.3     | 8.3       |               | 0.01         |        | 22                            | 3.1                      | 68                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
| 2034    | 111,303                            | 65%            | 38,956                      | 600                         | 0                                                                    | 20,000                             | 19,556                                   | 3,600                                             | 240     |           | 3,411    | 3,000     | 49            | 10           | 3400   | 11,000                        | 350                      | 21,458                                                                                                                                                                        | —                                             | (1,902)                                                        |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 2,313                                             | 117     |           | 3,411    | 395       | 15            | 2            |        | 7,823                         | 329                      |                                                                                                                                                                               |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |
|         |                                    |                |                             |                             |                                                                      |                                    |                                          | 0.6                                               | 2.1     |           | 29.2     | 8.2       |               | 0.01         |        | 20                            | 3.0                      | 63                                                                                                                                                                            |                                               |                                                                |  |  |                                                 |  |  |  |  |  |  |

ASSUMPTIONS:

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
- Daily Available Capacity from Transformation Facilities assume Southeast Resource Recovery Facility will cease its operation on June 2024.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed. A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill on March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the new conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
- The operation of the Mesquite Regional Landfill (MRL) and waste by rail system (WBR) is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fees make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the analysis, the additional capacity of the waste-by-rail system is excluded from this scenario.
- This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)  
E - Expansion may become effective  
R - Restricted watershed  
W/WE - Clean Hands Waiver (Waiver) or Waiver expiration

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DISPOSAL CAPACITY NEED ANALYSIS (EXCLUDING INERT WASTE LANDFILLS)

APPENDIX E-3  
SCENARIO VII - ALL SOLID WASTE MANAGEMENT OPTIONS CONSIDERED BECOME AVAILABLE

| • Existing In-County Class III Landfills & Transformation Facilities |                                    |                |                             |                             |                                                                                  |                                    |                                          | • Exports based on Existing Export Agreements     |         |           |          |       |           |               |              | • Diversion Rate (75% by 2020) |                               |                          |         | • Utilization of Additional Alternative Technology Capacity |                                                                |                                                                                                                                                                                    |  |  |
|----------------------------------------------------------------------|------------------------------------|----------------|-----------------------------|-----------------------------|----------------------------------------------------------------------------------|------------------------------------|------------------------------------------|---------------------------------------------------|---------|-----------|----------|-------|-----------|---------------|--------------|--------------------------------|-------------------------------|--------------------------|---------|-------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| Year                                                                 | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Potential Available Capacity from Alternative Technology Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | 1                                                 | 2       | 3         | 4        | 5     | 6         | 7             | 8            | 9                              | 10                            | 11                       |         | Potential Waste-by-Rail Capacity <sup>4</sup>               | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | IN-COUNTY CLASS III LANDFILLS                     |         |           |          |       |           |               |              |                                |                               |                          |         |                                                             |                                                                | Total In-County Class III Landfill Available Disposal Capacity <sup>3</sup> (tpd-6)<br>-----<br>Total In-County Class III Landfill Remaining Disposal Capacity (million tons)<br>I |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | R                                                 | R       |           |          |       | R         | R             |              |                                |                               | R                        |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | Antelope Valley                                   | Burbank | Calabasas | Chiquita |       | Lancaster | Pebbley Beach | San Clemente | Scholl                         | Sunshine City/County Combined | Whittier (Savage Canyon) |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | Maximum Permitted Daily Disposal Capacity (tpd-6) |         |           |          |       |           |               |              |                                |                               |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | Expected Average Daily Disposal Tonnage (tpd-6)   |         |           |          |       |           |               |              |                                |                               |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| Remaining Disposal Capacity at Year's End (Million Tons)             |                                    |                |                             |                             |                                                                                  |                                    |                                          |                                                   |         |           |          |       |           |               |              |                                |                               |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| A                                                                    | B                                  | C=A(1-B)       | D                           | E                           | G                                                                                | H=C+D-E-F-G                        |                                          |                                                   |         |           |          |       |           |               |              |                                |                               | I                        | J       | K=H-I-J                                                     |                                                                |                                                                                                                                                                                    |  |  |
| (tpd-6)                                                              |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)                                                                          | (tpd-6)                            |                                          |                                                   |         |           |          |       |           |               |              |                                |                               | (tpd-6)                  | (tpd-6) | (tpd-6)                                                     |                                                                |                                                                                                                                                                                    |  |  |
| 2019                                                                 | 96,469                             | 65%            | 33,764                      | 541                         | 1,079                                                                            | 15,929                             | 17,297                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 26,542                   | —       | --                                                          |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 2,046                                             | 103     | 842       | 5,115    | 350   | 14        | 1.38          | 1,075        | 6,919                          | 291                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 11.0                                              | 2.7     | 4.3       | 57.0     | 9.9   | 0.05      | 0.02          | 3.8          | 55.2                           | 4.4                           | 148                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2020                                                                 | 97,023                             | 75%            | 24,256                      | 600                         | 1,200                                                                            | 11,053                             | 12,603                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 25,911                   | —       | --                                                          |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,491                                             | 75      | 614       | 6,616    | 255   | 10        | 1.01          | 783          | 5,041                          | 212                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 10.5                                              | 2.6     | 4.1       | 48.1     | 9.9   | 0.05      | 0.02          | 3.6          | 53.6                           | 4.4                           | 137                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2021                                                                 | 97,240                             | 75%            | 24,310                      | 600                         | 1,600                                                                            | 10,887                             | 12,423                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 25,887                   | —       | (13,464)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,470                                             | 74      | 605       | 6,616    | 500   | 10        | 0.99          | 772          | 4,969                          | 209                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 10.1                                              | 2.6     | 3.9       | 46.0     | 9.7   | 0.04      | 0.02          | 3.34         | 52.0                           | 4.3                           | 132                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2022                                                                 | 99,729                             | 75%            | 24,932                      | 600                         | 1,600                                                                            | 11,186                             | 12,746                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 25,930                   | —       | (13,184)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,508                                             | 76      | 621       | 6,616    | 600   | 10        | 1.02          | 792          | 5,099                          | 214                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 9.6                                               | 2.6     | 3.7       | 44.0     | 9.5   | 0.04      | 0.02          | 3.1          | 50.4                           | 4.2                           | 127                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2023                                                                 | 100,691                            | 75%            | 25,173                      | 600                         | 1,600                                                                            | 11,301                             | 12,872                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 25,947                   | —       | (13,075)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,523                                             | 77      | 627       | 6,616    | 700   | 10        | 1.03          | 800          | 5,149                          | 216                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 9.1                                               | 2.6     | 3.5       | 41.9     | 9.3   | 0.04      | 0.02          | 2.8          | 48.8                           | 4.2                           | 122                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2024                                                                 | 101,549                            | 75%            | 25,387                      | 600                         | 1,600                                                                            | 11,404                             | 12,983                                   | 3,600                                             | 240     | 3,500     | 6,616    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 25,962                   | 4,000   | (16,979)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,536                                             | 78      | 632       | 6,616    | 800   | 10        | 1.04          | 807          | 5,193                          | 218                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 8.6                                               | 2.5     | 3.3       | 39.9     | 9.1   | 0.04      | 0.02          | 2.6          | 47.2                           | 4.1                           | 117                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2025                                                                 | 102,496                            | 75%            | 25,624                      | 600                         | 1,600                                                                            | 11,517                             | 13,107                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 22,774                   | 4,000   | (13,667)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,551                                             | 78      | 638       | 3,411    | 900   | 10        | 1.05          | 815          | 5,243                          | 220                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 8.1                                               | 2.5     | 3.1       | 38.8     | 8.8   | 0.03      | 0.02          | 2.3          | 45.6                           | 4.0                           | 113                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2026                                                                 | 103,390                            | 75%            | 25,847                      | 600                         | 1,600                                                                            | 11,624                             | 13,223                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 22,790                   | 4,000   | (13,567)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,564                                             | 79      | 644       | 3,411    | 1,000 | 10        | 1.06          | 822          | 5,289                          | 222                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 7.7                                               | 2.5     | 2.9       | 37.7     | 8.5   | 0.03      | 0.02          | 2.1          | 43.9                           | 4.0                           | 109                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2027                                                                 | 104,302                            | 75%            | 26,075                      | 600                         | 1,600                                                                            | 11,734                             | 13,342                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 22,805                   | 4,000   | (13,464)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,578                                             | 80      | 650       | 3,411    | 1,100 | 11        | 1.07          | 829          | 5,337                          | 224                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 7.2                                               | 2.5     | 2.7       | 36.7     | 8.1   | 0.03      | 0.02          | 1.8          | 42.3                           | 3.9                           | 105                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2028                                                                 | 105,214                            | 75%            | 26,303                      | 600                         | 1,600                                                                            | 11,843                             | 13,460                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000 | 49        | 10            | 3,400        | 11,000                         | 350                           | 22,821                   | 4,000   | (13,361)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,592                                             | 80      | 655       | 3,411    | 1,200 | 11        | 1.08          | 837          | 5,384                          | 226                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 6.7                                               | 2.4     | 2.5       | 35.6     | 7.7   | CP        | 0.02          | 1.6          | 40.6                           | 3.8                           | 101                      |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2029                                                                 | 106,178                            | 75%            | 26,544                      | 600                         | 1,600                                                                            | 11,959                             | 13,586                                   | 3,600                                             | 240     | 3,500     | 3,411    | 3,000 |           | 10            | 3,400        | 11,000                         | 350                           | 22,828                   | 4,000   | (13,242)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,607                                             | 81      | 662       | 3,411    | 1,300 |           | 1.09          | 845          | 5,434                          | 228                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 6.2                                               | 2.4     | CP        | 34.5     | 7.3   |           | 0.02          | 1.3          | 38.9                           | 3.8                           | 94                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2030                                                                 | 107,185                            | 75%            | 26,796                      | 600                         | 1,600                                                                            | 12,079                             | 13,717                                   | 3,600                                             | 240     |           | 3,411    | 3,000 |           | 10            | 3,400        | 11,000                         | 350                           | 22,177                   | 4,000   | (12,460)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,623                                             | 82      |           | 3,411    | 1,400 |           | 1.10          | 853          | 5,487                          | 231                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 5.7                                               | 2.4     |           | 33.5     | 6.9   |           | 0.02          | CP           | 37.2                           | 3.7                           | 89                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2031                                                                 | 108,182                            | 75%            | 27,046                      | 600                         | 1,600                                                                            | 12,199                             | 13,847                                   | 3,600                                             | 240     |           | 3,411    | 3,000 |           | 10            |              | 11,000                         | 350                           | 21,327                   | 4,000   | (11,481)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,638                                             | 83      |           | 3,411    | 1,500 |           | 1.11          |              | 5,539                          | 233                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 5.1                                               | 2.4     |           | 32.4     | 6.4   |           | 0.02          |              | 35.5                           | 3.6                           | 85                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2032                                                                 | 109,209                            | 75%            | 27,302                      | 600                         | 1,600                                                                            | 12,322                             | 13,980                                   | 3,600                                             | 240     |           | 3,411    | 3,000 |           | 10            |              | 11,000                         | 350                           | 21,331                   | 4,000   | (11,350)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,654                                             | 83      |           | 3,411    | 1,600 |           | 1.12          |              | 5,592                          | 235                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 4.6                                               | 2.3     |           | 31.3     | 5.9   |           | 0.02          |              | 33.7                           | 3.5                           | 82                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2033                                                                 | 110,240                            | 75%            | 27,560                      | 600                         | 1,600                                                                            | 12,446                             | 14,115                                   | 3,600                                             | 240     |           | 3,411    | 3,000 |           | 10            |              | 11,000                         | 350                           | 21,334                   | 4,000   | (11,219)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,670                                             | 84      |           | 3,411    | 1,700 |           | 1.13          |              | 5,646                          | 237                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 4.1                                               | 2.3     |           | 30.3     | 5.4   |           | 0.01          |              | 31.9                           | 3.5                           | 78                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
| 2034                                                                 | 111,303                            | 75%            | 27,826                      | 600                         | 1,600                                                                            | 12,573                             | 14,253                                   | 3,600                                             | 240     |           | 3,411    | 3,000 |           | 10            |              | 11,000                         | 350                           | 21,337                   | 4,000   | (11,084)                                                    |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 1,686                                             | 85      |           | 3,411    | 1,800 |           | 1.14          |              | 5,701                          | 240                           |                          |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |
|                                                                      |                                    |                |                             |                             |                                                                                  |                                    |                                          | 3.6                                               | 2.3     |           | 29.2     | 4.8   |           | 0.01          |              | 30.2                           | 3.4                           | 74                       |         |                                                             |                                                                |                                                                                                                                                                                    |  |  |

ASSUMPTIONS:

1. Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2019.
2. Potential Daily Available Capacity from Alternative Technology Facilities assume Southeast Resource Recovery Facility (SERRF) will continue its operation or will get retrofitted to provide additional capacity and additional capacity will be available from potential EMSW facilities or other alternative technologies. This scenario also assumes Potential capacity from anaerobic digestion facility is considered part of diversion since anaerobic digestion process is within the statutory definition of composting which is considered as recycling.
3. Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed. A "Clean Hands Waiver" was granted to Chiquita Canyon Landfill March 17, 2016 to continue its operation while processing the landfill's new conditional use permit. On July 25, 2017, the Board of Supervisors approved a new Conditional Use Permit for the Landfill's Expansion Project. Chiquita Canyon Landfill's expected average daily tonnage is based on the limits set on the conditional use permit and therefore used to calculate the Total In-County Class III landfill Available Capacity.
4. The operation of the Mesquite Regional Landfill (MRL) and waste by rail system (WBR) is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fees make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the analysis, the scenario assumes: (1) an increase in exports to out-of-County landfills and (2) the waste-by-rail system is assumed to begin its operation in 2021.
5. This scenario also considers the effect of Assembly Bill 1594 that removes diversion credit from green waste used as alternative daily cover (ADC) at landfills.

LEGEND:

- CC/CP - Closure due to exhausted capacity (CC) or permit expiration (CP)
- E - Expansion may become effective
- R - Restricted watershed
- WWE - Clean Hands Waiver (Waiver) or Waiver expiration

**APPENDIX E-4: LIST AND MAP OF LARGE VOLUME TRANSFER AND PROCESSING  
FACILITIES IN LOS ANGELES COUNTY IN 2019**

## **2019 Annual Report**

### Los Angeles County Countywide Integrated Waste Management Plan

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2019 ANNUAL REPORT  
LOS ANGELES COUNTY COUTYWIDE INTEGRATED WASTE MANAGEMENT PLAN

APPENDIX E-4  
TRANSFER/PROCESSING FACILITIES IN LOS ANGELES COUNTY

Transfer Stations, Material Recovery Facilities, and CDI Processing Facilities

|    | Facility Name                                                   | Location Address                                      | Permitted Capacity (tpd) | Facilities Recycling Rates | Transfer Facilities Only | Mixed Solid Waste Recycling Rate | Mixed C&D Waste Recycling Rate | Mixed Food Waste Recycling Rate |
|----|-----------------------------------------------------------------|-------------------------------------------------------|--------------------------|----------------------------|--------------------------|----------------------------------|--------------------------------|---------------------------------|
| 1  | Ace Diversion Inc. (formerly Commercial Waste Services ,Inc.)   | 1530 and 1540 Date Street, Montebello, CA 90640       | 175                      | 87%                        |                          |                                  | 84%                            |                                 |
| 2  | Active Recycling MRF and Transfer Station                       | 2000 W. Slauson Avenue, Los Angeles, CA 90047         | 250                      | 77%                        |                          | 77%                              | ----                           | ----                            |
| 3  | American Industrial Services, LLC                               | 5626 Cherry Ave, Long Beach, CA 90805                 | 173                      | 77%                        |                          | ----                             | 77%                            | ----                            |
| 4  | American Reclamation CDI Processing Facility                    | 4560 Doran Street, Los Angeles, CA 90039              | 174                      | 78%                        |                          | ----                             | 78%                            | ----                            |
| 5  | American Waste Transfer Station                                 | 1449 West Rosecrans Avenue, Gardena, CA 90249         | 2,225                    | 14%                        |                          | 14%                              |                                |                                 |
| 6  | Athens Services                                                 | 14048 East Valley Boulevard, Industry, CA 91746       | 5,000                    | 30%                        |                          | 27%                              | ----                           | 82%                             |
| 7  | Athens Sun Valley MRF                                           | 11121 Pendleton Street, Sun Valley, CA 91353          | 1,500                    | 30%                        |                          | 30%                              | N/A                            | N/A                             |
| 8  | Azusa Transfer and MRF                                          | 1501 West Gladstone Street, Azusa, CA 91701           | 3,800                    | 90-100%                    |                          | 90-100%                          | ----                           | ----                            |
| 9  | Bel-Art Waste Transfer Station                                  | 2501 East 68th Street Long Beach, CA 90805            | 1,500                    | 31%                        |                          | 31%                              |                                |                                 |
| 10 | California Waste Services, LLC                                  | 621 West 152nd Street, Gardena, CA 90247              | 1,000                    | 78%                        |                          | ----                             | 78%                            | ----                            |
| 11 | Carson Transfer Station and MRF                                 | 321 West Francisco Street, Carson, CA 90745           | 5,300                    | X                          | X                        |                                  |                                |                                 |
| 12 | Central LA Recycling & Transfer Station                         | 2201 E Washington Boulevard, Los Angeles, CA 90021    | 4,025                    | X                          | X                        |                                  |                                |                                 |
| 13 | City of Inglewood Transfer Station                              | 222 West Beach Avenue, Inglewood, CA 90302            | 100                      | X                          | X                        |                                  |                                |                                 |
| 14 | City of Lancaster Main. Yard. MVTs                              | 46008 North 7th Street West, Lancaster, CA 93534      | 100                      |                            |                          |                                  |                                |                                 |
| 15 | City Terrace Recycling Transfer Station                         | 1511-1533 Fishburn Avenue, City Terrace, CA 90063     | 700                      | 15%                        |                          | 15%                              | 79%                            | ----                            |
| 16 | Compton Recycling & Transfer Station (Allied/BFI Waste Systems) | 2509 West Rosecrans Avenue, Compton, CA 90059         | 1,500                    | X                          | X                        |                                  |                                |                                 |
| 17 | Construction and Demolition Recycling                           | 9309 Rayo Avenue, South Gate, CA 90280                | 3,000                    | 79%                        |                          | ----                             | 79%                            | ----                            |
| 18 | Crown Recycling Services                                        | 9147 De Garmo Avenue, Sun Valley, CA 91352            | 4,600                    | 56%                        |                          |                                  | 89%                            | 85%                             |
| 19 | Culver City Transfer/Recycling Station                          | 9255 West Jefferson Boulevard, Culver City, CA 90232  | 500                      | X                          | X                        |                                  |                                |                                 |
| 20 | Direct Disposal C&D Recycling                                   | 3720 Noakes Street, Los Angeles, CA 90023             | 120                      | 75%                        |                          | ----                             | 75%                            | ----                            |
| 21 | Downey Area Recycling & Transfer                                | 9770 Washburn Road, Downey, CA 90241                  | 5,000                    | 80%                        |                          | 23%                              | ----                           | ----                            |
| 22 | East Los Angeles Recycling And Transfer                         | 1512 North Bonnie Beach Place, City Terrace, CA 90063 | 700                      | 80%                        |                          | 16%                              |                                |                                 |
| 23 | East Street Maintenance District Yard                           | 452 San Fernando Road, Los Angeles, CA 90065          | 315                      | X                          | X                        |                                  |                                |                                 |
| 24 | East Valley Diversion (formerly Looney Bins)                    | 11616 Sheldon Street, Sun Valley, CA 91352            | 750                      | 80%                        |                          | ----                             | 80%                            | ----                            |
| 25 | EDCO Recycling and Transfer                                     | 2755 California Avenue, Signal Hill, CA 90755         | 1,500                    | X                          | X                        |                                  |                                |                                 |
| 26 | Falcon Refuse Center, Inc.                                      | 3031 East "I" Street, Wilmington, CA 90744            | 1,850                    | 75%                        |                          | ----                             | 82%                            | ----                            |
| 27 | Granada Hills Street MDY                                        | 10210 Etiwanda Avenue, Northridge, CA 91325           | 450                      | X                          | X                        |                                  |                                |                                 |
| 28 | Grand Central Recycling & Transfer Station                      | 999 Hatcher Boulevard, Industry, CA 91748             | 5,000                    | -N/A-                      |                          | 33%                              | 50%                            | ----                            |
| 29 | Innovative Waste Control                                        | 4133 Bandini Boulevard, Vernon, CA 90023              | 1,250                    | 1%                         |                          | 1%                               |                                |                                 |
| 30 | Lakeland Rd. Direct Transfer Facility                           | 12739 Lakeland Road, Santa Fe Springs, CA 90670       | 150                      |                            |                          |                                  |                                |                                 |
| 31 | Downtown Diversion (formerly Looney Bins)                       | 2424 E Olympic Boulevard, Los Angeles, CA 90021       | 1,500                    | 83%                        |                          | ----                             | 83%                            | ----                            |
| 32 | Mission Road Recycling & Transfer Station                       | 840 South Mission Road, Los Angeles, CA 90023         | 1,785                    | 54%                        |                          | ----                             | ----                           | 73%                             |
| 33 | Paramount Resource Recycling Facility                           | 7230 Petterson Lane, Paramount, CA 90723              | 2,450                    | 38%                        |                          | 50%                              | ----                           | ----                            |
| 34 | Pomona Valley Transfer Station                                  | 1371 E. 9th Street, Pomona, CA 91766                  | 1,000                    |                            |                          |                                  |                                |                                 |
| 35 | Puente Hills Materials Recovery Facility                        | 2808 Workman Mill Road, Whittier, CA 90601            | 4,400                    | 8-10%                      |                          | 8-10%                            | ----                           | -N/A-                           |
| 36 | Santa Monica Resource Recovery Center                           | 2401-2411 Delaware Avenue, Santa Monica, CA 90404     | 400                      |                            |                          |                                  |                                |                                 |

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APPENDIX E-4  
TRANSFER/PROCESSING FACILITIES IN LOS ANGELES COUNTY

Transfer Stations, Material Recovery Facilities, and CDI Processing Facilities

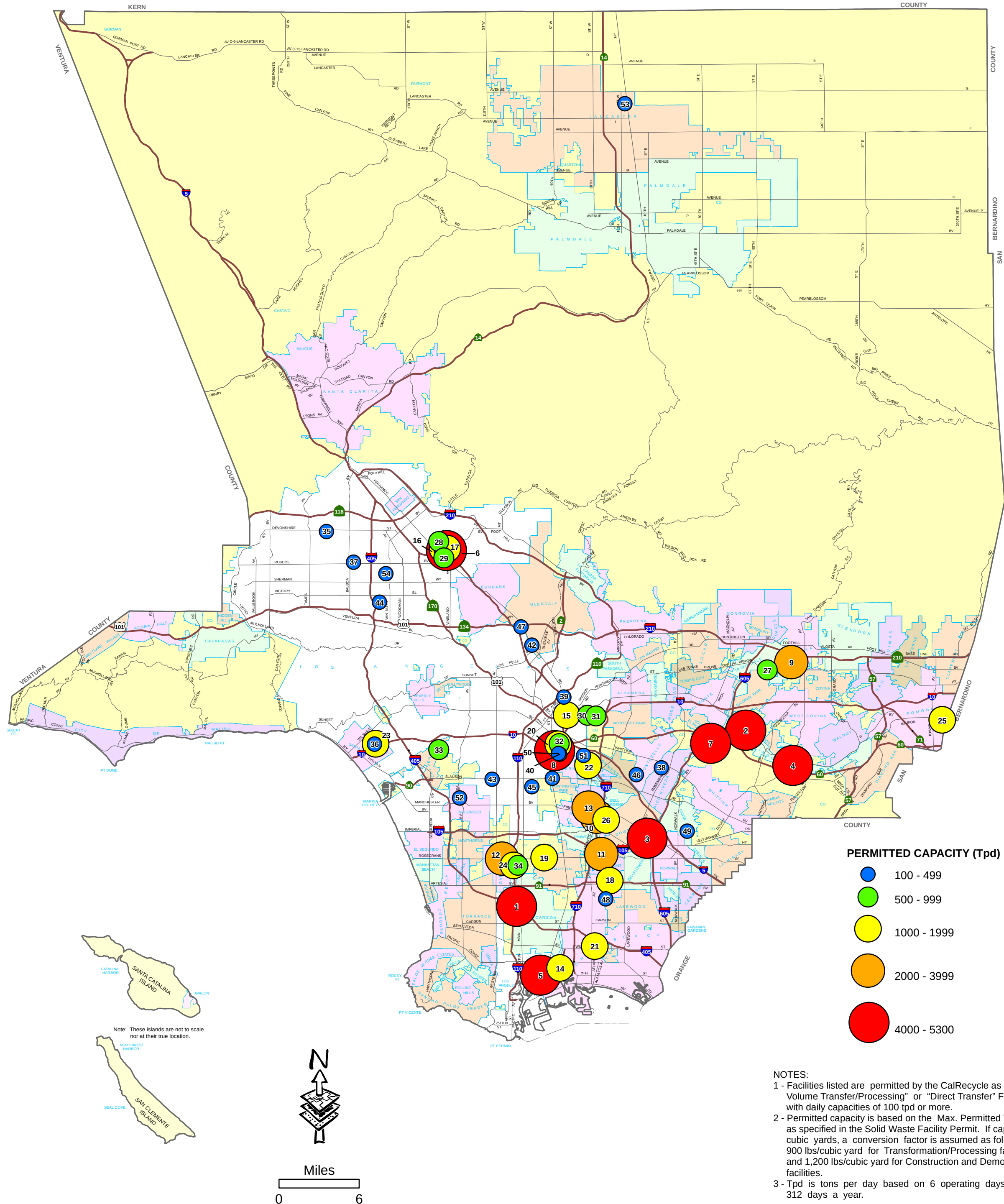
|    | Facility Name                      | Location Address                                         | Permitted Capacity (tpd) | Facilities Recycling Rates | Transfer Facilities Only | Mixed Solid Waste Recycling Rate | Mixed C&D Waste Recycling Rate | Mixed Food Waste Recycling Rate |
|----|------------------------------------|----------------------------------------------------------|--------------------------|----------------------------|--------------------------|----------------------------------|--------------------------------|---------------------------------|
| 37 | South Gate Transfer Station        | 9530 South Garfield Avenue, South Gate, CA 90280         | 1,000                    | 12-15%                     |                          | 3%                               | 2%                             | -N/A-                           |
| 38 | Southern Cal. Disposal Co. R. & TS | 1908 Frank Street, Santa Monica, CA 90404                | 1,056                    | 12%                        |                          | 12%                              | ----                           | ----                            |
| 39 | Southwest Street MDY               | 5860 South Wilton Place, Los Angeles, CA 90047           | 225                      | -N/A-                      | -N/A-                    | -N/A-                            | -N/A-                          | -N/A-                           |
| 40 | Universal Waste Systems Inc. DTF   | 2460 East 24 <sup>th</sup> Street, Los Angeles, CA 90058 | 150                      | X                          | X                        |                                  |                                |                                 |
| 41 | Van Nuys Street MDY                | 15145 Oxnard Street, Van Nuys, CA 91411                  | 225                      | X                          | X                        |                                  |                                |                                 |
| 42 | Waste Resource Recovery            | 357 West Compton Boulevard, Gardena, CA 90247            | 500                      | 14%                        |                          | 14%                              | ----                           | ----                            |

Notes: 1. Facilities listed are permitted by the CalRecycle as "Medium Volume Transfer/Processing", "Large Volume Transfer/Processing" or "Direct Transfer" Facilities with a permitted daily capacity or maximum average allowed intake of at least 100 tpd. If capacity is in cubic yards, a conversion factor is assumed as follows: 1200 lbs/cubic yard for Construction and Demolition/Processing facilities; and 900 lbs/cubic yard for Transfer and Processing facilities.  
2. Information on facility type and recycling rate is based on surveys conducted, the CalRecycle's Solid Waste Information System (SWIS), and the City of Los Angeles' certified processors list for Calendar year 2020 (<https://www.lacitysan.org/>)  
3. "-N/A-" means information is either not available or not applicable.  
4. Refer to pages 35-36 for the definitions of the following term(s): transfer/processing facilities; transfer stations; material recovery facilities; and CDI processing facilities.

Material Recovery Facility (Clean)

|       | Facility Name                                             | Location Address                                   | Permitted Capacity (tpd) |
|-------|-----------------------------------------------------------|----------------------------------------------------|--------------------------|
| 1     | Allan Company Baldwin Park                                | 14604-14618 Arrow Highway, Baldwin Park, CA 91706  | 750                      |
| 2     | Angelus Western Paper Fibers, Inc.                        | 2474 Porter Street, Los Angeles, CA 90021          | 650                      |
| 3     | Bradley East Transfer Station (Sun Valley Recycling Park) | 9227 Tujunga Avenue, Sun Valley, CA 91352          | 1,532                    |
| 4     | City Fibers – West Valley Plant                           | 16714 Schoenborn Street, Los Angeles, CA 91343     | 350                      |
| 5     | City Fibers - LA Plant No. 2                              | 2545 East 25th Street Los Angeles, CA 90058        | 300                      |
| 6     | City of Glendale MRF and TS                               | 540 W. Chevy Chase Dr. Glendale, CA 91204          | 250                      |
| 7     | Los Angeles Express Materials Rec. Fac.                   | 6625 Stanford Avenue, Los Angeles, CA 90001        | 207                      |
| 8     | Pico Rivera MRF                                           | 8405 Loch Lomond Drive, Pico Rivera, CA 90660      | 327                      |
| 9     | Potential Industries                                      | 922 East E. Street, Wilmington, CA 90744           | 5,000                    |
| 10    | Sun Valley Paper Stock MRF and TS                         | 8701 North San Fernando Road, Sun Valley, CA 91352 | 750                      |
| 11    | Waste Management South Gate Transfer Station              | 4489 Ardine Street, South Gate, CA 90280           | 2,000                    |
| 12    | West Valley Fibres                                        | 14811 Keswick Avenue, Van Nuys, CA 91405           | 100                      |
| Total |                                                           |                                                    | 12,216                   |

Notes: 1. Facilities listed are permitted by CalRecycle with a minimum of 100 tpd of permitted capacity or maximum average allowed intake. If capacity is in cubic yards, a conversion factor is assumed as follows: 1200 lbs/cubic yard for Construction and Demolition/Processing and 900 lbs/cubic yard for Transfer and Processing facilities.  
2. Refer to page 36 for the definition of the following term(s): material recovery facility (clean).



| NO. | FACILITY NAME AND ADDRESS                                                                                                | PERMITTED CAPACITY (Tpd) |
|-----|--------------------------------------------------------------------------------------------------------------------------|--------------------------|
| 1   | Carson Transfer Station & Materials Recovery Facility<br>321 West Francisco Street, Carson, 90745                        | 5,300                    |
| 2   | Athens Services<br>14048 East Valley Boulevard, Industry, 91746                                                          | 5,000 ♦                  |
| 3   | Downey Area Recycling & Transfer<br>9770 Washburn Road, Downey, 90241                                                    | 5,000                    |
| 4   | Grand Central Recycling & Transfer Station<br>999 Hatcher Boulevard, Industry, 91748                                     | 5,000                    |
| 5   | Potential Industries<br>922 East E Street, Wilmington, 90744                                                             | 5,000                    |
| 6   | Crown Recycling Services<br>9147 De Garmo Avenue, Sun Valley, 91352                                                      | 4,600                    |
| 7   | Puente Hills Materials Recovery Facility<br>2808 Workman Mill Road, Whittier, 90601                                      | 4,400 ♦                  |
| 8   | Central LA Recycling & Transfer Station<br>2201 East Washington Boulevard, Los Angeles, 90034                            | 4,025                    |
| 9   | Azusa Transfer & Materials Recovery Facility<br>1501 West Gladstone Street, Azusa, 91701                                 | 3,800                    |
| 10  | Construction and Demolition Recycling<br>9309 Rayo Avenue, South Gate, 90280                                             | 3,000 ▲                  |
| 11  | Paramount Resource Recycling Facility<br>7230 Petterson Lane, Paramount, 90723                                           | 2,450                    |
| 12  | American Waste Transfer Station<br>1449 West Rosecrans Avenue, Gardena, 90249                                            | 2,225                    |
| 13  | Waste Management South Gate Transfer Station<br>4489 Ardine Street, South Gate, 90280                                    | 2,000                    |
| 14  | Falcon Refuse Center, Inc.<br>3031, East "I" Street, Wilmington, 90744                                                   | 1,850                    |
| 15  | Mission Road Recycling & Transfer Station<br>840 South Mission Road, Los Angeles, 90023                                  | 1,785                    |
| 16  | Bradley East Transfer Station<br>9227 Tujunga Avenue, Sun Valley, 91352                                                  | 1,532                    |
| 17  | Athens Sun Valley Materials Recovery Facility<br>11121 Pendleton Street, Sun Valley, 91352                               | 1,500                    |
| 18  | Bel-Art Waste Transfer Station<br>2501 East 68th Street, Long Beach, 90805                                               | 1,500                    |
| 19  | Compton Recycling & Transfer Station (Allied/BFI Waste Systems)<br>2509 West Rosecrans Avenue, Compton, 90059            | 1,500                    |
| 20  | Downtown Diversion (formerly Looney Bins)<br>2424 East Olympic Boulevard, Los Angeles, 90021                             | 1,500                    |
| 21  | EDCO Recycling and Transfer<br>2755 California Avenue, Signal Hill, 90755                                                | 1,500 ▲                  |
| 22  | Innovative Waste Control<br>4133 Bandini Boulevard, Vernon, 90023                                                        | 1,250                    |
| 23  | Southern Cal. Disposal Co. Recycling & Transfer Station<br>1908 Frank Street, Santa Monica, 90404                        | 1,056                    |
| 24  | California Waste Services, LLC<br>621 West 152nd Street, Gardena, 90247                                                  | 1,000 ▲                  |
| 25  | Pomona Valley Transfer Station<br>1371 East 9th Street, Pomona 91766                                                     | 1,000                    |
| 26  | South Gate Transfer Station<br>9530 South Garfield Avenue, South Gate, 90280                                             | 1,000                    |
| 27  | Allan Company Baldwin Park<br>14604-14618 Arrow Highway, Baldwin Park, 91706                                             | 750                      |
| 28  | East Valley Diversion (formerly Looney Bins)<br>11616 Sheldon Street, Sun Valley, 91352                                  | 750 ▲                    |
| 29  | Sun Valley Paper Stock Materials Recovery Facility & Transfer Station<br>8701 North San Fernando Road, Sun Valley, 91352 | 750                      |
| 30  | City Terrace Recycling Transfer Station<br>1511-1533 Fishburn Avenue, City Terrace, 90063                                | 700 ♦                    |
| 31  | East Los Angeles Recycling and Transfer<br>1512 North Bonnie Beach Place, City Terrace, 90063                            | 700 ♦                    |
| 32  | Angelus Western Paper Fibers, Inc.<br>2474 Porter Street, Los Angeles, 90021                                             | 650                      |
| 33  | Culver City Transfer/Recycling Station<br>9255 West Jefferson Boulevard, Culver City, 90232                              | 500                      |
| 34  | Waste Resource Recovery<br>357 West Compton Boulevard, Gardena, 90247                                                    | 500 ♦                    |
| 35  | Granada Hills Street Maintenance District Yard<br>10210 Etiwanda Avenue, Northridge, 91325                               | 450                      |
| 36  | Santa Monica Resource Recovery Center<br>2401-2411 Delaware Avenue, Santa Monica, 90404                                  | 400                      |
| 37  | City Fibers - West Valley Plant<br>16714 Schoenborn Street, Los Angeles, 91343                                           | 350                      |
| 38  | Pico Rivera Materials Recovery Facility<br>8405 Loch Lomond Drive, Pico Rivera, 90660                                    | 327                      |
| 39  | East Street Maintenance District Yard<br>452 San Fernando Road, Los Angeles, 90065                                       | 315                      |
| 40  | City Fibers - LA Plant No. 2<br>2545 East 25th Street, Los Angeles, 90058                                                | 300                      |
| 41  | Active Recycling MRF and Transfer Station<br>2000 W. Slauson Avenue, Los Angeles, 90047                                  | 250                      |
| 42  | City of Glendale MRF and Transfer Station<br>540 West Chevy Chase Drive, Glendale, 91204                                 | 250                      |
| 43  | Southwest Street Maintenance District Yard<br>5860 South Wilton Place, Los Angeles, 90047                                | 225                      |
| 44  | Van Nuys Street Maintenance District Yard<br>15145 Oxnard Street, Van Nuys, 91411                                        | 225                      |
| 45  | Los Angeles Express Materials Recovery Facility<br>6625 Stanford Avenue, Los Angeles, 91001                              | 207                      |
| 46  | Ace Diversion Inc. (formerly Commercial Waste Services, Inc.)<br>1530 and 1540 Date Street, Montebello, 90640            | 175 ▲                    |
| 47  | American Reclamation CDI Processing Facility<br>4560 Doran Street, Los Angeles, 90039                                    | 174 ▲                    |
| 48  | American Industrial Services, LLC<br>5626 Cherry Avenue, Long Beach, 90805                                               | 173 ▲                    |
| 49  | Lakeland Road Direct Transfer Facility<br>12739 Lakeland Road, Santa Fe Springs, 90670                                   | 150                      |
| 50  | Universal Waste Systems Inc. Direct Transfer Facility<br>2460 East 24th Street, Los Angeles, 90058                       | 150                      |
| 51  | Direct Disposal C & D Recycling<br>3720 Noakes Street, Los Angeles, 90023                                                | 120                      |
| 52  | City of Inglewood Transfer Station<br>222 West Beach Avenue, Inglewood, 90302                                            | 100 ▲                    |
| 53  | City of Lancaster Maintenance Yard MVTS<br>46008 North 7th Street West, Lancaster, 93534                                 | 100                      |
| 54  | West Valley Fibers<br>14811 Keswick Avenue, Van Nuys, 91405                                                              | 100                      |

▲ - Construction and Demolition/Processing Facilities.

**NOTES:**

- 1 - Facilities listed are permitted by the CalRecycle as "Large Volume Transfer/Processing" or "Direct Transfer" Facilities with daily capacities of 100 tpd or more.
- 2 - Permitted capacity is based on the Max. Permitted Throughput as specified in the Solid Waste Facility Permit. If capacity is in cubic yards, a conversion factor is assumed as follows:  
900 lbs/cubic yard for Transformation/Processing facilities;  
and 1,200 lbs/cubic yard for Construction and Demolition/Processing facilities.
- 3 - Tpd is tons per day based on 6 operating days a week, 312 days a year.

**APPENDIX E-5: LIST AND MAP OF COMPOSTING, CHIPPING AND GRINDING, AND  
ANAEROBIC DIGESTION FACILITIES IN LOS ANGELES COUNTY IN 2019**

## **2019 Annual Report**

### Los Angeles County Countywide Integrated Waste Management Plan

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**2019 ANNUAL REPORT  
LOS ANGELES COUNTY COUTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-5  
COMPOSTING, CHIPPING AND GRINDING, AND ANAEROBIC DIGESTION FACILITIES  
IN LOS ANGELES COUNTY**

**Composting/Chipping and Grinding Facility**

|              | Facility Name                                | Location Address                                                              | Permitted Capacity (tpd) |
|--------------|----------------------------------------------|-------------------------------------------------------------------------------|--------------------------|
| 1            | 365 Disposal and Recycling Inc.              | 11153 Tuxford Street, Sun Valley, CA 91352                                    | N/A                      |
| 2            | American Reclamation Chipping and Grinding   | 4560 Doran Street, Los Angeles, CA 90039                                      | 500                      |
| 3            | Burbank Green Waste Transfer Operation       | 3000 Bel Aire Drive, Burbank, CA 91504                                        | 200                      |
| 4            | Cal Blends Inc.                              | 1270 East Arrow Hwy Suite A, Irwindale, CA 91706                              | 6                        |
| 5            | Dept. of Rec. & Parks Greenwaste Rec.        | 5400 Griffith Park Drive, Los Angeles, CA 90027                               | 100                      |
| 6            | Evergreen Recycling, Inc.                    | 8700 Crocker St., Los Angeles, CA 90003                                       | 200                      |
| 7            | Foothill Soils, Inc.                         | 22925 North Coltrane Street, Newhall, CA 91350                                | 200                      |
| 8            | Greencycle, Inc.                             | 12815 East Imperial Hwy., Santa Fe Springs, CA 90670                          | 200                      |
| 9            | Griffith Park Composting Facility            | 5400 Griffith Park Drive, Los Angeles, CA 90027                               | 24                       |
| 10           | GS Brothers, Inc.                            | 20331 South Main Street, Carson, CA 90745                                     | 100                      |
| 11           | GWS, Inc. (Green Wise Soil Technologies)     | 10120 Miller Avenue, South Gate, CA 90280                                     | 250                      |
| 12           | Harbor Mulching Facility                     | 1400 North Gaffey St., San Pedro, CA 90731                                    | 120                      |
| 13           | Lopez Canyon Environmental Center            | 11950 Lopez Canyon Road, Los Angeles, CA 91342                                | 1000                     |
| 14           | North Hills Recycling, Inc.                  | 11700 Blucher Avenue, Granada Hills, CA 91345                                 | 499                      |
| 15           | Oak Tree Worm Farm Chip&Grind (Compost)      | 13326 Little Tujunga Canyon Road, Canyon Country (In Santa Clarita), CA 91342 | 200                      |
| 16           | Recycled Wood Products                       | 1313 East Phillips Blvd. Pomona, CA 91766                                     | 200                      |
| 17           | Rent-A-Bin (Chipping and Grinding Operation) | 20745 Santa Clara St., Santa Clarita, CA 91351                                | 200                      |
| 18           | RJ's Alondra Chipping and Grinding Operation | 355 West Alondra Blvd., Gardena, CA 90248                                     | 200                      |
| 19           | RJ's Chipping and Grinding Operation         | 1135 East Florence Avenue, Inglewood, CA 90302                                | 200                      |
| 20           | Van Norman Chipping and Grinding Facility    | 15751 Rinaldi Street, Granada Hills, CA 91344                                 | 499                      |
| <b>Total</b> |                                              |                                                                               | <b>4,898</b>             |

- Notes: 1. Facilities listed are permitted by CalRecycle with a minimum of 100 tpd of permitted capacity or maximum average allowed intake. If capacity is in cubic yards, a conversion factor is assumed as follows: 240 lbs/cubic yard for Composting/Chipping and Grinding facilities.
2. Refer to page 38 for the definition of the following term(s): composting facilities; and chipping and grinding facilities.
3. N/A means the information is not available

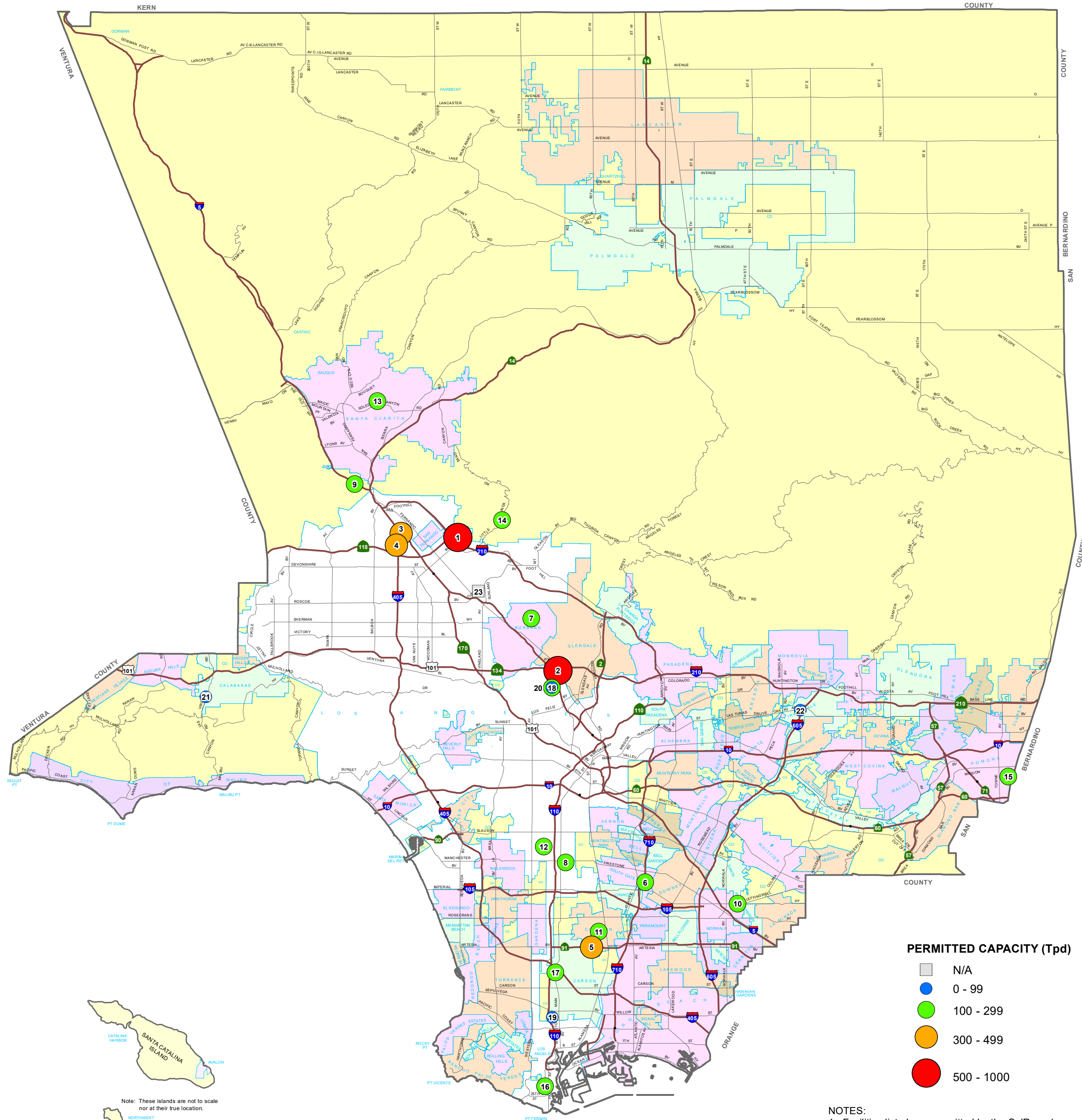
**Anaerobic Digestion Facilities**

|              | Facility Name                               | Location Address                                | Permitted Capacity (tpd) |
|--------------|---------------------------------------------|-------------------------------------------------|--------------------------|
| 1            | Joint Water Pollution Control Plant (JWPCP) | 24501 Figueroa Street, Carson, CA 90745         | 84                       |
| 2            | Ralphs Renewable Energy Facility            | 2201 South Wilmington Avenue, Compton, CA 90220 | 350                      |
| 3            | Rancho Las Virgenes Composting Facility     | 3700 Las Virgenes Road, Calabasas, CA 91302     | 16                       |
| <b>Total</b> |                                             |                                                 | <b>434</b>               |

- Notes: 1. According to CalRecycle's Solid Waste Information System (SWIS) database, both facilities are currently operating as research facilities.
2. If capacity is in cubic yards, a conversion factor is assumed as follows: 240 lbs/cubic yard for Anaerobic Digestion facilities.
3. Refer to page 38 for the definition of the following term(s): anaerobic digestion facilities.



# Composting/Chipping and Grinding and Anaerobic Digestion Facilities in Los Angeles County in 2019



| NO. | FACILITY NAME AND ADDRESS                                                                                    | PERMITTED CAPACITY (Tpd) |
|-----|--------------------------------------------------------------------------------------------------------------|--------------------------|
| 1   | Lopez Canyon Environmental Center<br>11950 Lopez Canyon Road, Los Angeles, 91342                             | 1000                     |
| 2   | American Reclamation Chipping and Grinding<br>4560 Doran Street, Los Angeles, 90039                          | 500                      |
| 3   | North Hills Recycling, Inc.<br>11700 Blucher Avenue, Granada Hills, 91345                                    | 499                      |
| 4   | Van Norman Chipping and Grinding Facility<br>15751 Rinaldi Street, Granada Hills, 91344                      | 499                      |
| 5   | Ralphs Renewable Energy Facility<br>2201 South Wilmington Avenue, Compton, CA 90220                          | 350                      |
| 6   | GWS, Inc.<br>10120 Miller Avenue, South Gate, 90280                                                          | 250                      |
| 7   | Burbank Green Waste Transfer Operation<br>3000 Bel Aire Drive, Burbank, 91504                                | 200                      |
| 8   | Evergreen Recycling, Inc.<br>8700 Crocker St., Los Angeles, 90003                                            | 200                      |
| 9   | Foothill Soils, Inc.<br>22925 Coltrane Ave, Newhall, 91325                                                   | 200                      |
| 10  | Greencycle, Inc.<br>12815 E. Imperial Hwy., Santa Fe Springs, 90670                                          | 200                      |
| 11  | RJ's Alondra Chipping and Grinding Operation<br>355 W Alondra Blvd., Gardena, 90248                          | 200                      |
| 12  | RJ's Chipping and Grinding Operation<br>1135 East Florence Avenue, Inglewood, 90302                          | 200                      |
| 13  | Rent-A-Bin (Chipping and Grinding Operation)<br>20745 Santa Clara St., Santa Clarita, 91351                  | 200                      |
| 14  | Oak Tree Worm Farm Chip&Grind (Compost)<br>13326 Little Tujunga Canyon Road, Canyon Country, CA 91342        | 200                      |
| 15  | Recycled Wood Products<br>1313 East Phillips Boulevard, Pomona, 91766                                        | 200                      |
| 16  | Harbor Mulching Facility<br>1400 N Gaffey St., San Pedro, 90731                                              | 120                      |
| 17  | GS Brothers, Inc.<br>20331 South Main Street, Carson, 90745                                                  | 100                      |
| 18  | Dept. of Rec. & Parks Greenwaste Rec.<br>5400 Griffith Park Drive, Los Angeles, CA 90027                     | 100                      |
| 19  | Joint Water Pollution Control Plant (LA County Sanitation Districts)<br>24501 Figueroa Street, Carson, 90745 | 84                       |
| 20  | Griffith Park Composting Facility<br>5400 Griffith Park Drive, Los Angeles, CA 90027                         | 24                       |
| 21  | Rancho Las Virgenes Composting Facility<br>3700 Las Virgenes Road, Calabasas, CA 91302                       | 16                       |
| 22  | Cal Blends Inc.<br>1270 East Arrow Hwy Suite A, Irwindale, CA 91706                                          | 6                        |
| 23  | 365 Disposal and Recycling Inc.<br>11153 Tuxford Street, Sun Valley, CA 91352                                | N/A                      |

- NOTES:
- Facilities listed are permitted by the CalRecycle as "Composting/Chipping and Grinding" or "Anaerobic Digestion" Facilities with daily capacities of 100 tpd or more (with the exception of the Joint Water Pollution Control Plant which has a permitted capacity of 84 tpd).
  - Permitted capacity is based on the Max. Permitted Throughput as specified in the Solid Waste Facility Permit. If capacity is in cubic yards, a conversion factor is assumed as follows:  
240 lbs/cubic yard for Composting/Chipping and Grinding facilities.
  - Tpd is tons per day based on 6 operating days a week, 312 days a year.

- Composting/Chipping and Grinding Facilities.
- Anaerobic Digestion Facility.
- Facility located in County unincorporated area.

**APPENDIX E-6: LIST OF SOURCE SEPARATED RECYCLING FACILITIES IN LOS ANGELES  
COUNTY AND NEIGHBORING COUNTIES IN 2019**

## **2019 Annual Report**

### Los Angeles County Countywide Integrated Waste Management Plan

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**2019 ANNUAL REPORT**  
**LOS ANGELES COUNTY COUTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                         | <b>Location Address</b>                                |
|------------|----------------------------------------------|--------------------------------------------------------|
| 1          | 1st Free E-Waste Recycler - Los Angeles      | 2660 Olympic Blvd, Los Angeles, CA 90023               |
| 2          | 1st Free E-Waste Recycler - Walnut           | 749 South Lemon Ave, Walnut, CA 91789                  |
| 3          | 25th Street Recycling, Inc.                  | 2121 E. 25th St., Los Angeles, CA 90058                |
| 4          | 3R International Group                       | 2300 S. Reservoir Street. Unit 406, Pomona , CA 91766  |
| 5          | A & I Pallets                                | 9405 South Alameda, Los Angeles, CA 90002              |
| 6          | AAA South Bay Document Destruction           | 15001 S. San Pedro St., Gardena, CA 90248              |
| 7          | AES                                          | 707 K. South State College Blvd , Fullerton , CA 92831 |
| 8          | AMH Recycling                                | 11063 Pendleton St., Sun Valley, CA 91352              |
| 9          | ARC                                          | 5674 Cherry Ave, Long Beach , CA 90805                 |
| 10         | ARCA                                         | 1920 S. Acacia Ave., Compton, CA 90220                 |
| 11         | Ace Recycling & Scrap                        | 21252 Nordhoff St., Chatsworth, CA 91311               |
| 12         | Acrylatex Coating & Recycling, Inc           | 1000 W. Kirkwall Rd., Azusa, CA 91702                  |
| 13         | Action Sales & Metal Company                 | 1625 E. Pacific Coast Hwy, Wilmington, CA 90744        |
| 14         | Active Recycling - Los Angeles (Slauson Ave) | 2000 W. Slauson Ave., Los Angeles, CA 90047            |
| 15         | Active Recycling - Los Angeles (Valley Blvd) | 5601 E. Valley Blvd., Los Angeles, CA 90032            |
| 16         | Active Recycling - Van Nuys                  | 14300 Bessemer St., Van Nuys , CA 91401                |
| 17         | Advanced Battery Systems                     | 5649 Mesmer Ave., Culver City, CA 90230                |
| 18         | Alameda Metals                               | 37815 6th St. E. , Palmdale, CA 93550                  |
| 19         | Alameda Recycling & Metals                   | 1230 Alameda, Wilmington, CA 90744                     |
| 20         | Alex Plastics Recycling                      | 1011 Walnut Avenue, Pomona , CA 91766                  |
| 21         | All Green Electronics Recycling              | 15561 Del Amo Ave., Tustin , CA 92780                  |
| 22         | Allan Company - Baldwin Park (Main Office)   | 14620 Joanbridge St, Baldwin Park , CA 91706           |

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**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                  | <b>Location Address</b>                         |
|------------|---------------------------------------|-------------------------------------------------|
| 23         | Allan Company - Commerce              | 5811 E. 81st Street, Commerce, CA 90040         |
| 24         | Allan Company - Los Angeles           | 1417 Wright St., Los Angeles, CA 90015          |
| 25         | Allan Company - Monrovia              | 145 W. Duarte Rd. , Monrovia, CA 91016          |
| 26         | Allan Company - Santa Ana             | 2540 S. Main St. , Santa Ana, CA 92707          |
| 27         | Allied Waste - Falcon                 | 3031 East I Street, Wilmington, CA 90744        |
| 28         | Alpert & Alpert Iron & Metal          | 1815 Soto St., Los Angeles, CA 90023            |
| 29         | Alpha Recycling                       | 13314 Saticoy St., North Hollywood, CA 91605    |
| 30         | Amazon Environmental, Inc.            | 779 Palmyrita Ave, Riverside, CA 92507          |
| 31         | Ambit Recycling (Ambit Pacific)       | 16228 S. Figueroa St, Gardena, CA 90248         |
| 32         | American Metal Recycling              | 11150 Redwood Ave, Fontana, CA 92337            |
| 33         | American National Recycling           | 2202 S. Milliken Ave., Ontario , CA 91761       |
| 34         | American Reclamation Inc              | 4650 Doran St, East LA , CA 90023 )             |
| 35         | American Soil                         | 4730 Tapo Canyon Rd, Simi Valley, CA 93063      |
| 36         | American Waste                        | 2550 S. Soto St. , Los Angeles, CA 90023        |
| 37         | Ammex Recycling Co.                   | 3315 E. Washington Blvd., Los Angeles, CA 90023 |
| 38         | Arcadia Reclamation                   | 12321 Lower Azusa Rd, Arcadia, CA 91006         |
| 39         | Architectural Detail                  | 2602 Foothill Blvd, Pasadena, CA 91107          |
| 40         | Arnie's Supply Service                | 1541 N. Ditman St., Los Angeles, CA 90063       |
| 41         | Artesia Sawdust                       | 13434 Ontario Ave., Ontario , CA 91761          |
| 42         | Asco Metals                           | 13014 Los Nietos Rd, Santa Fe Springs, CA 90670 |
| 43         | Associated Students Recycling - CSULB | 5800 Atherton St., Long Beach , CA 90840        |

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**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>         | <b>Location Address</b>                           |
|------------|------------------------------|---------------------------------------------------|
| 44         | Atlas Iron & Metal Co.       | 10019 S. Alameda St., Los Angeles, CA 90002       |
| 45         | Azusa Land Reclamation       | 1211 West Gladstone Street, Azusa, CA 91702       |
| 46         | Azusa Transfer and MRF       | 1501 W. Gladstone, Azusa, CA 91701                |
| 47         | B & B Pallet                 | 439 E. Carlin St., Compton, CA 90222              |
| 48         | BCS, Inc.                    | 8735 Remmet Ave. , Canoga Park , CA 91304         |
| 49         | Baker Commodities            | 4020 Bandini Blvd., Vernon, CA 90058              |
| 50         | Bas Tire Recycling           | 14050 Day St, Moreno Valley, CA 92553             |
| 51         | Basic Fibers, Inc.           | 6019 S. Manhattan Pl, Los Angeles, CA 90047       |
| 52         | Bata USA                     | P.O. Box 1855, Walnut, CA 91788                   |
| 53         | Behavior Resources, Inc.     | 155 Pier Ave #B, Hermosa Beach, CA 90254          |
| 54         | Bell Flower Recycling Center | 17326 Woodruff Ave., Bellflower, CA 90706         |
| 55         | Belmont Fibers               | 1736 Chapin Rd., Montebello, CA 90640             |
| 56         | Benny's Oil Filter Recycling | 6040 Walker Ave., Maywood, CA 90270               |
| 57         | Bestway Recycling            | 2268 Firestone Blvd., Los Angeles, CA 90002       |
| 58         | Bike Oven                    | 3706 N. Figueroa St., Los Angeles, CA 90065       |
| 59         | Brymax, Inc.                 | 1802 Portrero Ave., South El Monte, CA 91733      |
| 60         | Burbank Recycling Center     | 500 S. Flower St., Burbank, CA 91502              |
| 61         | C & M Metals, Inc.           | 1709 E. 24th St., Los Angeles, CA 90058           |
| 62         | CNS Metals                   | 6850 Farmdale Ave., North Hollywood, CA 91605     |
| 63         | CR & R, Inc.                 | 11292 Western Ave., Stanton, CA 90680             |
| 64         | CRM                          | 15800 S. Avalon Blvd., Rancho Dominguez, CA 90220 |

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| No. | Facility Name                             | Location Address                                  |
|-----|-------------------------------------------|---------------------------------------------------|
| 65  | CVT Recycling                             | 1071 N. Blue Gum St, Anaheim , CA 92815           |
| 66  | Cal Micro Recycling                       | 1541 W. Brooks Street, Ontario, CA 91762          |
| 67  | California Metals Recycling – Gardena     | 833 W. 182nd St., Gardena, CA 90248               |
| 68  | California Metals Recycling - Harbor City | 1022 Lomita Blvd., Harbor City , CA 90710         |
| 69  | California Metals Recycling - South Gate  | 9309 Rayo Ave., South Gate, CA 90280              |
| 70  | California Recycles                       | 1932 Cotner Ave., Los Angeles, CA 90025           |
| 71  | Canco Recycling                           | 2725 E. South St., Long Beach, CA 90805           |
| 72  | Carpeteria                                | 42212 10th St. West, Unit 2A, Lancaster, CA 93534 |
| 73  | Central Metal, Inc. - Huntington Park     | ( 8201 Santa Fe Ave., Huntington Park, CA 90255   |
| 74  | Central Metal, Inc. - Los Angeles         | 2203 S. Alameda St., Los Angeles, CA 90058        |
| 75  | Central Reclamation                       | 2930 E. Pico Blvd., Los Angeles, CA 90023         |
| 76  | Century Pallets                           | 2911 Norton Ave., Lynwood, CA 90262               |
| 77  | Certified Document Destruction            | 555 S. Rose St., Anaheim, CA 92805                |
| 78  | Chiquita Canyon Landfill                  | 29201 Henry Mayo Dr., Castaic, CA 91384           |
| 79  | City Terrace Recycling, LLC               | 1525 Fishburn Avenue, Los Angeles, CA 90065       |
| 80  | Clean Harbor Environmental Svcs, Inc.     | 5756 Alba St., Los Angeles, CA 90058              |
| 81  | Clean Up America                          | 2900 E. Lugo St. , Los Angeles, CA 90023          |
| 82  | Co-West Commodities                       | 1389 W. Mill St., San Bernardino, CA 92410        |
| 83  | Coast Packing Co.                         | 3275 E. Vernon Ave., Vernon, CA 90058             |
| 84  | Coastal Inkjets, E-Waste Recovery         | 10021 1/2 Canoga Ave., Chatsworth, CA 91311       |
| 85  | Commodities Resources                     | 116 E. Prospect Ave., Burbank, CA 91502           |

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| <b>No.</b> | <b>Facility Name</b>                               | <b>Location Address</b>                            |
|------------|----------------------------------------------------|----------------------------------------------------|
| 86         | Community Action Partnership                       | 11870 Monarch St, Garden Grove, CA 92841           |
| 87         | Conservation Station                               | 20833 Santa Clara St., Santa Clarita, CA 91351     |
| 88         | Corridor Recycling                                 | 22500 S. Alameda St., Long Beach, CA 90810         |
| 89         | Crumb Rubber Manufacturers Company LLC             | 15800 S Avalon Blvd, Rancho Dominguez, CA 90220    |
| 90         | D & T Recycling                                    | 14113 Garfield Ave, Paramount , CA 90723           |
| 91         | DFS Flooring                                       | 15651 Satcoy St., Van Nuys, CA 91406               |
| 92         | Dalton Recycling                                   | 555 S. Rose St., Anaheim, CA 92805                 |
| 93         | Dan Copp Crushing/Copp Materials - Anaheim         | 1120 N. Richfield Rd., Anaheim, CA 92807           |
| 94         | Dan Copp Crushing/Copp Materials - Anaheim West    | 201 E. Commercial St., Anaheim, CA 92801           |
| 95         | Dan Copp Crushing/Copp Materials - Beaumont        | 861 W. 4th St., Beaumont, CA N/A                   |
| 96         | Dan Copp Crushing/Copp Materials - Chino           | 11901 Highway 71, Chino, CA 91761                  |
| 97         | Dan Copp Crushing/Copp Materials - Colton          | 1120 S. La Cadena, Colton, CA 92324                |
| 98         | Dan Copp Crushing/Copp Materials - El Segundo      | 332 S. Aviation Blvd., El Segundo , CA 90245       |
| 99         | Dan Copp Crushing/Copp Materials - Fontana         | 13792 Slover Ave., Fontana, CA 92337               |
| 100        | Dan Copp Crushing/Copp Materials - Santa Fe Spring | 12017 Greenstone Ave., Santa Fe Springs , CA 90670 |
| 101        | Dan Copp Crushing/Copp Materials - Sun City        | 27050 Watson Rd, Sun City, CA 92585                |
| 102        | Danhew Enterprises                                 | 22108 S. Vermont Ave., Torrance, CA 90502          |
| 103        | Darling International, Inc.                        | 2626 E. 25th St., Los Angeles, CA 90058            |
| 104        | Diversified Minerals, Inc.                         | 1135 East Wooley Road, Oxnard, CA 93030            |
| 105        | Donate Car USA                                     | 66 S. Primrose Avenue, Monrovia, CA 91106          |
| 106        | Downey Area Recycling and Transfer Facility        | 9770 Washburn Rd., Downey, CA 90241                |

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| <b>No.</b> | <b>Facility Name</b>                     | <b>Location Address</b>                                |
|------------|------------------------------------------|--------------------------------------------------------|
| 107        | Downtown Diversion                       | 2424 E. Olympic Blvd, Los Angeles, CA 90021            |
| 108        | Downtown Metals & Recycling Center       | 526 S. Alameda St., Los Angeles, CA 90013              |
| 109        | E-Cycle Environmental                    | 2110 Artesia Blvd. Suite 445, Redondo Beach , CA 90728 |
| 110        | E-Recycling of California                | 7230 Peterson Lane, Paramount, CA 90723                |
| 111        | E-Waste Center, Inc.                     | 5788 Smithway Street, Commerce, CA 90040               |
| 112        | E-Waste Disposal, Inc.                   | 2518 W. 5th St., Santa Ana, CA 92705                   |
| 113        | ECS Refining                             | 705 Reed St., Santa Clara, CA 90550                    |
| 114        | ELV                                      | 1233 W. 255th St., Harbor City, CA 90710               |
| 115        | Earthshine (Atkinson)                    | 13633 S. Central Ave., Los Angeles , CA 90059          |
| 116        | East Valley Recycling & Transfer         | 1150 S. Tippecanoe Ave., San Bernardino, CA 92408      |
| 117        | Ecology Auto Parts Inc. Sante Fe Springs | 13780 E. Imperial Hwy, Santa Fe Springs, CA 90670      |
| 118        | Ecology Auto Parts Inc. Wilmington       | 1000 E. Lomita Blvd., Wilmington, CA 90744             |
| 119        | Ecoplast - Los Angeles                   | 815 E. 61st St., Los Angeles , CA 90001                |
| 120        | Ecoplast – Pomona                        | 1769 Mt. Vernon Ave., Pomona, CA 91768                 |
| 121        | Edgewise                                 | 602 N. Cyprus Street, Orange, CA 92867                 |
| 122        | Ekco Metals                              | 2777 E. Washington Blvd, Los Angeles, CA 90023         |
| 123        | Electronics Recycle Center               | 1395 E. Lexington Ave. #100, Pomona, CA 91766          |
| 124        | Evolution Recycling                      | 3535 E. 14th St., Los Angeles, CA 90023                |
| 125        | Excellent Recycling & Scrap Metal        | 21252 Nordhoff St., Chatsworth, CA 91311               |
| 126        | Express Metal Recycling                  | 12207 Branford St., Sun Valley, CA 91352               |
| 127        | F.S. Southwest Woodworks Co.             | 140 E. 163rd St., Gardena, CA 90248                    |

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| <b>No.</b> | <b>Facility Name</b>                                | <b>Location Address</b>                              |
|------------|-----------------------------------------------------|------------------------------------------------------|
| 128        | Fairway Salvage                                     | 12428 Center St., South Gate, CA 90280               |
| 129        | Foodbank Of Southern California                     | 1444 San Francisco Ave., Long Beach , CA 90813       |
| 130        | Foothill Unity Center – Monrovia                    | 415 W. Chestnut Ave., Monrovia, CA 91016             |
| 131        | Foothill Unity Center – Pasadena                    | 191 N. Oak Ave., Pasadena, CA 91006                  |
| 132        | Freeway Building Materials                          | 1124 S. Boyle Ave., Los Angeles, CA 90023            |
| 133        | Full Circle Recycling                               | 1920 Randolph St., Huntington Park, CA 90255         |
| 134        | G. Harris International, Inc.                       | 1025 MacFarland Ave., Wilmington, CA 90748           |
| 135        | Gang Alternative Program                            | 805 Traction Avenue, Los Angeles, CA 90013           |
| 136        | Gardena Recycling Center                            | 1538 W. 134th St, Gardena , CA 90249                 |
| 137        | General Waste Disposal                              | 10717 Inez Avenue, Whittier, CA 90605                |
| 138        | Gold Coast Recycling                                | 5275 Colt Street, Ventura, CA 93003                  |
| 139        | Gold'N West Surplus                                 | 1121 California Ave, Riverside, CA 92881             |
| 140        | Golden State Fibers                                 | 5585 E 61St Street, Commerce, CA 90040               |
| 141        | Good Earth Recycling Center                         | 2005 Bixby Rd., Lakewood, CA 90712                   |
| 142        | Grande Vista Steel                                  | 4611 Cecelia St., Cudahy, CA 90201                   |
| 143        | Green Spot Drop Off – Bellflower                    | 17701 Ibbetson Avenue, Bellflower, CA 90706          |
| 144        | Green Spot Drop Off – Glendale                      | 4427 San Fernando Road, Glendale, CA 91204           |
| 145        | Green Spot Drop Off - Long Beach                    | 6655 Atlantic Ave., Long Beach, CA 90805             |
| 146        | Green Spot Drop Off - Los Angeles (Federal Ave)     | 2300 Federal Avenue, Los Angeles, CA 90064           |
| 147        | Green Spot Drop Off - Los Angeles (San Fernando Rd) | 2840 N. San Fernando Road, Los Angeles, CA 90065     |
| 148        | Green Spot Drop Off - Mission Hills                 | 15237 South Brand Boulevard, Mission Hills, CA 91345 |

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| <b>No.</b> | <b>Facility Name</b>                       | <b>Location Address</b>                                 |
|------------|--------------------------------------------|---------------------------------------------------------|
| 149        | Green Spot Drop Off – Palmdale             | 37909 10th St. East, Palmdale , CA 93550                |
| 150        | Green Spot Drop Off - Pasadena             | 686 S. Arroyo Parkway, Pasadena, CA 91105               |
| 151        | Green Spot Drop Off - Santa Clarita        | 26825 Oak Avenue, Santa Clarita , CA 91351              |
| 152        | Green Spot Drop Off – Walnut               | 3859 Valley Blvd., Walnut , CA 91789                    |
| 153        | Green Wise Soil Technologies               | 10120 Miller Way, South Gate, CA 90280                  |
| 154        | Greencycle                                 | 12815 East Imperial Highway, Santa Fe Springs, CA 90670 |
| 155        | H & J Recycling Center                     | 303 S. Pacific Ave., San Pedro, CA 90731                |
| 156        | Habitat For Humanity - Greater Los Angeles | 17700 S. Figueroa St., Gardena, CA 90248                |
| 157        | Habitat For Humanity - Pomona Valley       | 4609 Holt Blvd, Montclair, CA 91763                     |
| 158        | Habitat For Humanity - San Gabriel Valley  | 770 N. Fair Oaks Ave., Pasadena, CA 91103               |
| 159        | Hanson Aggregates - North Long Beach       | 6956 Cherry Ave, North Long Beach, CA 90805             |
| 160        | Hanson Aggregates – Orange                 | 6145 E. Santiago Canyon, Orange, CA 92869               |
| 161        | Hanson Aggregates - South Gate             | 5625 Southern Ave, South Gate , CA 90280                |
| 162        | Hanson Aggregates - South Long Beach       | 2850 California Ave., South Long Beach, CA 90805        |
| 163        | Hi-Waste Disposal                          | 11718 Arkansas St., Artesia, CA 90701                   |
| 164        | Hope For Homeless Youth                    | 2406 Kent Street, Los Angeles, CA 90026                 |
| 165        | Hope Services                              | 14770 E. Firestone Blvd. Suite 202, La Mirada, CA 90638 |
| 166        | Hyran International Group                  | 7000 E. Slauson, Commerce, CA 90040                     |
| 167        | Ideal Metal & Salvage Co.                  | 18700 S. Broadway, Gardena, CA 90248                    |
| 168        | Imperial Western Products                  | 4085 Bain Street, Mira Loma, CA 91752                   |
| 169        | International Recycling                    | 12851 Alondra Blvd., Norwalk, CA 90650                  |

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| <b>No.</b> | <b>Facility Name</b>                    | <b>Location Address</b>                         |
|------------|-----------------------------------------|-------------------------------------------------|
| 170        | JP Paper Shredders                      | 428 W. Chestnut Ave., Monrovia, CA 91016        |
| 171        | JP Rebon Wholesalers                    | 1301 Hancock St. Unit C, Anaheim, CA 92807      |
| 172        | Jack Engle & Co.                        | 8440 S. Alameda St., Los Angeles, CA 90001      |
| 173        | Jefferson Recycling Center              | 5717 W. Jefferson Blvd., Los Angeles , CA 90016 |
| 174        | Joe's Plastics, Inc.                    | 5725 District Blvd., Los Angeles , CA 90040     |
| 175        | Jos Levin & Sons                        | 2863 E. Slauson Ave, Huntington Park, CA 90255  |
| 176        | Joy & G International, Inc.             | 1516 Highland Ave, Duarte , CA 91010            |
| 177        | Julie's Trade Company                   | 909 E. Slauson Ave., Los Angeles , CA 90001     |
| 178        | Justice Cuts                            | 5190 Wilson St., Riverside, CA 92509            |
| 179        | Kay-Met Recycling                       | 926 S. Nogales St., Rowland Heights, CA 91748   |
| 180        | Kenco Paper Recycling                   | 13314 Saticoy St., North Hollywood, CA 91606    |
| 181        | Kinsbursky Brothers                     | 1314 N. Anaheim Blvd., Anaheim, CA 92801        |
| 182        | Korreck Imaging                         | 6119 Cedar Mountain Dr., Alta Loma, CA 91737    |
| 183        | Kramar's Iron & Metal, Inc.             | 8821 San Fernando Rd., Sun Valley , CA 91352    |
| 184        | Kramer Metals - Ferrous Metals Division | 2863 E. Slauson Ave., Los Angeles, CA 90001     |
| 185        | L & R Wood Pallets                      | 1530 Bonnie Beach Pl., Los Angeles, CA 90023    |
| 186        | La Canada Recycling, Inc.               | 6449 San Fernando Rd., Glendale , CA 91201      |
| 187        | La Records                              | 16201 Stagg Street, Van Nuys, CA 91406          |
| 188        | Lakin Tire Co. Of California, Inc.      | 15305 Spring Ave., Santa Fe Springs, CA 90670   |
| 189        | Lancaster Recycling                     | 45565 Division St., Lancaster, CA 93535         |
| 190        | Laser Cartridge Exchange                | 545 W. Allen Ave. Suite 29, San Dimas, CA 91773 |

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| <b>No.</b> | <b>Facility Name</b>                 | <b>Location Address</b>                          |
|------------|--------------------------------------|--------------------------------------------------|
| 191        | Lighting Resources, Inc.             | 805 E. Francis St., Ontario, CA 91761            |
| 192        | Lima Recycling Center - La Puente    | 16023 Old Valley Blvd, La Puente , CA 91744      |
| 193        | Los Angeles Conservation Corps       | 2824 S. Main St., Los Angeles, CA 90007          |
| 194        | Los Angeles Fiber Company            | 5190 S. Santa Fe Ave., Vernon , CA 90058         |
| 195        | Los Angeles Pumping Co., LLC         | P.O. Box 921393, Sylmar , CA 91392               |
| 196        | Los Angeles Regional Foodbank        | 1734 E. 41st St., Los Angeles, CA 90058          |
| 197        | Lu-Mar Metals Company                | 2120 N. Alameda St., Compton, CA 90222           |
| 198        | Lumary's Tire Service                | 600 S. Santa Fe Ave., Los Angeles , CA 90021     |
| 199        | Madison Materials                    | 1035 E. 4th St., Santa Ana , CA 92701            |
| 200        | Market Recycling, Inc.               | 2725 E.S. St., Long Beach, CA 90805              |
| 201        | Mars Environmental                   | P.O. Box 18029, Anaheim , CA 92817               |
| 202        | Max Scrap Metals                     | 21608 Nordhoff St., Chatsworth, CA 91311         |
| 203        | Mercury Disposal System, Inc.        | 2650 Walnut Avenue Unit D, Tustin, CA 92867      |
| 204        | Metropolitan Recycling Corporation   | 2601 S. Mount Vernon Ave, Bakersfield, CA 93306  |
| 205        | Monrovia Recycling Center            | 145 W. Duarte Rd, Monrovia , CA 91016            |
| 206        | Multi-Link International Corporation | 12235 Los Nietos Rd., Santa Fe Springs, CA 90670 |
| 207        | NASA Disposal                        | P.O. Box 1755, Montebello, CA 90640              |
| 208        | Neuwaste Business Recycling          | 4721 E. Washington Blvd., Commerce , CA 90040    |
| 209        | New Generation Empowerment Group     | P.O. Box 1331, Culver City, CA 90232             |
| 210        | New Green Day LLC                    | 1710 East 111th Street, Los Angeles, CA 90059    |
| 211        | New Horizon Salvage                  | 11565 Branford St., Sun Valley , CA 91352        |

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| <b>No.</b> | <b>Facility Name</b>                                | <b>Location Address</b>                           |
|------------|-----------------------------------------------------|---------------------------------------------------|
| 212        | Newhall Junk & Salvage                              | 12011 Branford St., Sun Valley, CA 91352          |
| 213        | Newman & Sons, Inc.                                 | 9005 Bradley Ave., Sun Valley, CA 91352           |
| 214        | Nick's Tire Service                                 | 3152 Bandini Blvd., Vernon, CA 90023              |
| 215        | North Valley Construction                           | 23802 Pine Street, Newhall, CA 91321              |
| 216        | Nu Way                                              | 1270 Arrow Hwy, Irwindale, CA 91706               |
| 217        | Number One Recycling                                | 12051 Branford St., Sun Valley, CA 91352          |
| 218        | OSS-Spectrum, Inc.                                  | 7125 Foothill Blvd., Tujunga, CA 91042            |
| 219        | Ocean Blue Environmental Services                   | 925 West Esther Street, Long Beach, CA 90813      |
| 220        | Old Pasadena Vintage Lighting                       | 2569 E. Colorado Blvd., Pasadena, CA 91107        |
| 221        | One Stop Landscape Supply Co.                       | 13024 San Timoteo Canyon Rd., Redlands , CA 92373 |
| 222        | Out Of The Closet - Atwater Village Thrift Store    | 3160 Glendale Blvd., Glendale , CA 90039          |
| 223        | Out Of The Closet - Canoga Park Thrift Store        | 21703 Sherman Way, Canoga Park , CA 91303         |
| 224        | Out Of The Closet - Fairfax Thrift Store            | 360 N. Fairfax Ave., Los Angeles, CA 90036        |
| 225        | Out Of The Closet - Glassell Park Thrift Superstore | 2425 N. San Fernando Rd., Los Angeles , CA 90065  |
| 226        | Out Of The Closet - Hollywood Thrift Store          | 6210 Sunset Blvd., Los Angeles, CA 90028          |
| 227        | Out Of The Closet - Long Beach Thrift Store         | 3500 E. Pacific Coast Hwy, Long Beach , CA 90804  |
| 228        | Out Of The Closet - Pasadena Thrift Store           | 1726 E. Colorado Blvd., Pasadena, CA 91106        |
| 229        | Out Of The Closet - South Pasadena Thrift Store     | 1136 Fair Oaks Ave., South Pasadena, CA 91030     |
| 230        | Out Of The Closet - Tarzana Thrift Store            | 18851 Ventura Blvd., Tarzana, CA 91356            |
| 231        | Out Of The Closet - Venice Thrift Store             | 214 Lincoln Blvd., Venice, CA 90291               |
| 232        | Out Of The Closet - Westside Thrift Store           | 10749 Pico Blvd., Los Angeles, CA 90064           |

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| <b>No.</b> | <b>Facility Name</b>                          | <b>Location Address</b>                              |
|------------|-----------------------------------------------|------------------------------------------------------|
| 233        | P & T Metals                                  | 2213 Tyler Ave., South El Monte, CA 91733            |
| 234        | P.W. Gillibrand                               | 5810 Bennett Road, Simi Valley, CA 93062             |
| 235        | PC Recycle                                    | 2580 Azurite Circle, Newbury Park, CA 91320          |
| 236        | Pacific / West Recycling Services, Inc.       | P.O. Box 3369, Manhattan Beach, CA 90266             |
| 237        | Pacific Coast Recycling - El Monte            | 12301 E. Valley Blvd., El Monte, CA 91732            |
| 238        | Pacific Coast Recycling - South Gate          | 12428 Center Street, South Gate, CA 90280            |
| 239        | Palmdale Recycling Center                     | 38022 Sierra Hwy, Palmdale, CA 93550                 |
| 240        | Palos Verdes Recycling Center                 | 26301 Crenshaw Blvd., Palos Verdes Estates, CA 90274 |
| 241        | Pan Pacific Fibers, Inc.                      | 14051 Marquardt Ave., Santa Fe Springs, CA 90670     |
| 242        | Paramount Resource Recycling                  | 7230 Petterson Lane, Paramount, CA 90723             |
| 243        | Peach Hill Nursery                            | 10765 Los Angeles Ave, Moorpark, CA 93021            |
| 244        | Peck Road Gravel Pit                          | 128 E. Live Oak Ave, Irwindale, CA 91706             |
| 245        | Pedro Ruiz Recycling                          | 3984 Whittier Blvd., Los Angeles , CA 90023          |
| 246        | Performance Nursery                           | 12777 Tierra Rejada Rd, Moorpark, CA 93021           |
| 247        | Phonesells Computer Warehouse                 | 702 West 139th St., Gardena, CA 90247                |
| 248        | Pico Rivera Pallet                            | 240 E. Congress St., Colton , CA 92324               |
| 249        | Planet Green, Inc.                            | ( 20724 Lassen St., Chatsworth, CA 91311             |
| 250        | Poly Pac                                      | 4172 Bandini Blvd, VERNON, CA 90023                  |
| 251        | Pomona Scrap Metal Company                    | 1432 E. 1st St., Pomona, CA 91766                    |
| 252        | Potential Industries                          | 922 E. St., Wilmington, CA 90744                     |
| 253        | Powerstride Battery Company, Inc. – Hawthorne | 4700 W. Rosecrans, Hawthorne , CA 90250              |

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| <b>No.</b> | <b>Facility Name</b>                                 | <b>Location Address</b>                             |
|------------|------------------------------------------------------|-----------------------------------------------------|
| 254        | Powerstride Battery Company, Inc. - Santa Fe Springs | 10532 Norwalk Blvd., Santa Fe Springs, CA 90670     |
| 255        | Productivity California                              | 10533 Sessler St., South Gate, CA 90280             |
| 256        | Puente Hills Landfill                                | 2800 Workman Mill Rd, Whittier, CA 90601            |
| 257        | Puente Hills Materials Recovery Facility             | 2800 Workman Mill Rd., Whittier, CA 90601           |
| 258        | RC Pallets                                           | 11500 Wright Rd., Lynwood, CA 90262                 |
| 259        | RTC (Recycle To Conserve)                            | 9112 Graham Ave, Los Angeles , CA 90002             |
| 260        | Reclaimed Aggregates, Inc.                           | 2110 W. Aguamansa Rd., Colton, CA 92324             |
| 261        | Recology Los Angeles TS (Community Recycling)        | 9147 De Garmo Ave, Sun Valley, CA 91352             |
| 262        | Recycle America                                      | 8405 Loch Lomond Dr, Pico Rivera, CA 90660          |
| 263        | Recycle America Alliance                             | 701 E. Florence Ave., Los Angeles, CA 90001         |
| 264        | Recycle4Charity.Com                                  | 24911 Avenue Stanford, Ste. 120, Valencia, CA 91355 |
| 265        | Recycled Waste Products, Inc.                        | 8834 Millergrove Dr., Santa Fe Springs, CA 90670    |
| 266        | Recycled Wood Products                               | 1313 East Phillips Boulevard, Pomona, CA 91766      |
| 267        | Recycling Resources                                  | 1406 W. 2nd St., Pomona, CA 91766                   |
| 268        | Rent A Bin                                           | PO Box 4463, Chatsworth, CA 91311                   |
| 269        | Resource Conservation Group, LLC                     | 8981 Sunset Blvd., Los Angeles, CA 90069            |
| 270        | Revival Wear, Inc.                                   | 6515 McKinley Ave., Los Angeles , CA 90001          |
| 271        | RockTenn Recycling                                   | 20502 Denker Ave., Torrance, CA 90501               |
| 272        | SA Recycling – Anaheim                               | 3200 E. Frontera, Anaheim, CA 92806                 |
| 273        | SA Recycling – Colton                                | 790 E. M St., Colton, CA 92324                      |
| 274        | SA Recycling - East Los Angeles                      | 2728 Long Beach Ave., East Los Angeles , CA 90058   |

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**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                        | <b>Location Address</b>                         |
|------------|---------------------------------------------|-------------------------------------------------|
| 275        | SA Recycling – Fontana                      | 15615 Arrow Blvd, Fontana, CA 92335             |
| 276        | SA Recycling – Irwindale                    | 2495 Buena Vista St., Irwindale, CA 91706       |
| 277        | SA Recycling - Los Angeles                  | 2104 E. 15th St., Los Angeles, CA 90021         |
| 278        | SA Recycling – Lynwood                      | 10313 S. Alameda St., Lynwood , CA 90002        |
| 279        | SA Recycling – Montebello                   | 1545 Gage Road, Montebello, CA 90640            |
| 280        | SA Recycling - Sun Valley (San Fernando Rd) | 9754 San Fernando Rd., Sun Valley , CA 91352    |
| 281        | SA Recycling - Sun Valley (Tujunga Ave)     | 8250 Tujunga Ave., Sun Valley , CA 91352        |
| 282        | SA Recycling - Terminal Island              | 901 Newdock St., Terminal Island, CA 90731      |
| 283        | SD Pacific, Inc.                            | 11-B Marconi, Irvine , CA 92618                 |
| 284        | Safeshred Co., Inc.                         | 5928 S. Malt Ave., Commerce, CA 90040           |
| 285        | Safety Kleen                                | 2918 Worthen Ave., Los Angeles, CA 90039        |
| 286        | Samiyatex                                   | 13003 South Figueroa St., Los Angeles, CA 90061 |
| 287        | San Fernando Valley Pallet Company          | 20730 Dearborn, Chatsworth , CA 91311           |
| 288        | Santa Fe Wrecking & Salvage                 | 1600 S. Santa Fe Ave., Los Angeles, CA 90021    |
| 289        | Santa Monica Community Recycling Center     | 2411 Delaware Ave, Santa Monica, CA 90404       |
| 290        | Scholl Canyon Landfill                      | 7721 N. Figueroa Street, Los Angeles, CA 90041  |
| 291        | Second Harvest Foodbank Of Orange           | 8014 Marine Way, Irvine , CA 92618              |
| 292        | Second Harvest Foodbank Of Riverside & SB   | 2950-B Jefferson St., Riverside , CA 92504      |
| 293        | Secondary Fibers                            | 6490-4 Stoney View Ln., Simi Valley , CA 93063  |
| 294        | Shred-It California, Inc.                   | 11821 Wakeman St., Santa Fe Springs, CA 90670   |
| 295        | Simi Valley Base                            | 240 W. Los Angeles Ave., Simi Valley, CA 93065  |

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**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                     | <b>Location Address</b>                             |
|------------|------------------------------------------|-----------------------------------------------------|
| 296        | Simi Valley Recycling Center             | 400 West Los Angeles Ave, Simi Valley, CA 93065     |
| 297        | Sims Recycling Solutions                 | 20212 S. Rancho Way, Rancho Dominguez, CA 90220     |
| 298        | Sirius Computer Associates               | 15561 Product Lane, D15, Huntington Beach, CA 92649 |
| 299        | Skanska USA Civil West CA District, Inc. | 27950 Sierra Del Sol, Thousand Palms , CA 92276     |
| 300        | Sonoco Products Company                  | 166 Baldwin Park Blvd, City of Industry, CA 91746   |
| 301        | South Bay Recycling                      | 15001 S. San Pedro St., Gardena , CA 90248          |
| 302        | South Coast Fibers                       | 4560 Doran St., Los Angeles , CA 90039              |
| 303        | South Coast Recycling Metal              | 5487 San Fernando Rd. W., Los Angeles , CA 90039    |
| 304        | Southwest Processors, Inc.               | 4120 Bandini Blvd., Vernon, CA 90023                |
| 305        | Square Deal Plumbing & Heating Supplies  | 2302 E. Florence Ave, Huntington Park , CA 90255    |
| 306        | Standard Feed                            | 13751 S. Haven Ave., Ontario, CA 91761              |
| 307        | Standard Metals Recycling                | 2032 E. 220th St., Long Beach, CA 90810             |
| 308        | Star Scrap Metal Co., Inc.               | 14334 Firestone Blvd., La Mirada, CA 90638          |
| 309        | Stop Scrap Metals                        | 20749 Prairie St., Chatsworth, CA 91311             |
| 310        | Storopack                                | 12007 S. Woodruff Ave., Downey, CA 90241            |
| 311        | Strategic Alliance                       | 3211 E. 26th St., Vernon , CA 90023                 |
| 312        | Summit Pulp & Paper – Compton            | 1601 S. Anderson Ave., Compton, CA 90220            |
| 313        | Summit Pulp & Paper - Los Angeles        | 2016 E. Bay St., Los Angeles, CA 90021              |
| 314        | Summit Pulp & Paper – Riverside          | 1575 Marlboro Ave., Riverside, CA 92507             |
| 315        | Sun Valley Paper Stock                   | 8701 San Fernando Rd., Sun Valley, CA 91352         |
| 316        | Sun-Lite Metals                          | 2210 E. 85th Street, Los Angeles, CA 90001          |

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**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                 | <b>Location Address</b>                               |
|------------|--------------------------------------|-------------------------------------------------------|
| 317        | Sunshine Canyon City/County Landfill | 14747 San Fernando Rd., Sylmar, CA 91342              |
| 318        | TSM Recovering & Recycling           | 3422 W. Pico Blvd., Los Angeles, CA 90019             |
| 319        | TW Electronics Recycling             | 1612 N Indiana St., Los Angeles, CA 90063             |
| 320        | Talco Plastics – Corona              | 1000 W. Rincon St., Corona , CA 92880                 |
| 321        | Talco Plastics - Long Beach          | 3270 E. 70th St, Long Beach, CA 90805                 |
| 322        | Tapo Rock And Sand                   | 5023 Tapo Canyon Rd., Simi Valley, CA 93063           |
| 323        | Tehachapi Recycling, Inc.            | 416 Dennison Road, Tehachapi, CA 93561                |
| 324        | Temple Recycling Center              | 3521 W. Temple St., Los Angeles , CA 90004            |
| 325        | The Reclaimer                        | 12021 Lopez Canyon Road, Los Angeles , CA 91342       |
| 326        | Tire Center, Inc.                    | 1530 S. Alameda St., Los Angeles , CA 90021           |
| 327        | Tko Electronics, Inc.                | 31113 Via Colinas, Westlake Village, CA 91362         |
| 328        | Toner Warehouse                      | 14629 Arminta St. Suite A, Van Nuys, CA 91402         |
| 329        | Trash For Teaching                   | 2946 E. 11th Street, Los Angeles, CA 90023            |
| 330        | Tseng Long USA, Inc. - Slauson Ave   | 1160 E. Slauson Ave., Los Angeles, CA 90011           |
| 331        | Tseng Long USA, Inc. - Vail Ave      | 2801 S. Vail Ave., Los Angeles, CA 90040              |
| 332        | University Toner Recovery            | 1180 Murfield Rd, Los Angeles, CA 90019               |
| 333        | Usedcardboardboxes.com - Los Angeles | 4032 Wilshire Blvd., Suite 402, Los Angeles, CA 90010 |
| 334        | Usedcardboardboxes.com – Montebello  | 720 S. Vail Ave., Montebello, CA 90803                |
| 335        | Valley Base Materials                | 9050 Norris Ave., Sun Valley , CA 91352               |
| 336        | Valley Iron & Metal                  | 9754 San Fernando Rd., Sun Valley , CA 90280          |
| 337        | Valley Metals                        | 6850 Farndale Ave., North Hollywood, CA 91650         |

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**APPENDIX E-6**  
**Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties**

| <b>No.</b> | <b>Facility Name</b>                         | <b>Location Address</b>                         |
|------------|----------------------------------------------|-------------------------------------------------|
| 338        | Valley Recycling Center                      | 20220 Plummer St., Chatsworth, CA 91311         |
| 339        | Vanguard Foam & Packaging                    | 15126 S. Broadway St., Gardena, CA 90248        |
| 340        | Veolia Environmental Services                | 107 S. Motor Ave., Azusa, CA 91702              |
| 341        | Vulcan Materials – Corona                    | 1709 Sherborn St., Corona, CA 92879             |
| 342        | Vulcan Materials – Irwindale                 | 16005 Foothill Blvd, Irwindale, CA 91702        |
| 343        | Vulcan Materials - Los Angeles (Main Office) | 3200 San Fernando Rd., Los Angeles, CA 90065    |
| 344        | Vulcan Materials - Oro Grande                | 20181 National Trails Hwy, Oro Grande, CA 92368 |
| 345        | Vulcan Materials – Palmdale                  | 6851 Ave. T., Little Rock , CA 93550            |
| 346        | Vulcan Materials - San Bernardino            | 2400 W. Highland Ave., San Bernardino, CA 92407 |
| 347        | Vulcan Materials - Santa Ana                 | 1401 E. Warner Ave, Santa Ana , CA 92705        |
| 348        | Walser's                                     | 23145 Kashiwa Court, Torrance, CA 90505         |
| 349        | Waste Management Carson Transfer Station     | 321 W. Francisco St., Carson, CA 90745          |
| 350        | West Coast Computer Recycler                 | 9856 Baldwin Pl., El Monte, CA 91731            |
| 351        | West Coast Rendering Co.                     | 4105 Bandini Blvd., Vernon, CA 90023            |
| 352        | West Los Angeles Recycling Center            | 4424 W. Jefferson Blvd., Los Angeles, CA 90016  |
| 353        | West Valley Recycling                        | 13373 Napa St., Fontana, CA 92335               |
| 354        | Western Pacific Pulp & Paper                 | 9400 Hall Road, Downey, CA 90241                |
| 355        | Western Recycling Co., Inc.                  | 13528 S. Western Ave., Gardena, CA 90249        |
| 356        | WestRock                                     | 20502 Denker Avenue, Torrance, CA 90501         |
| 357        | Westside Foodbank                            | 1710 22nd Street, Santa Monica, CA 90404        |
| 358        | Whittier Fertilizer                          | 9441 Kruse Rd., Pico Rivera, CA 90660           |

Source: Los Angeles County Solid Waste Information Management Systems (SWIMS; August 2017)

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**APPENDIX E-7: LOCATIONS OF EXISTING INERT WASTE LANDFILLS/INERT  
DEBRIS DISPOSAL SITES IN LOS ANGELES COUNTY IN 2019 (MAP)**

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**APPENDIX E-8: WASTE DISPOSAL BY JURISDICTION OF ORIGIN AT  
PERMITTED MUNICIPAL SOLID WASTE FACILITIES IN SOUTHERN  
CALIFORNIA IN 2019 (MAP)**

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# WASTE DISPOSAL BY JURISDICTION OF ORIGIN AT PERMITTED MUNICIPAL SOLID WASTE FACILITIES IN SOUTHERN CALIFORNIA 2019

| COUNTY         | NAME                                     | ANNUAL TONNAGE | Ave. TPD | REMAINING CAPACITY (Mil. Tons) | LIFE (Years) |
|----------------|------------------------------------------|----------------|----------|--------------------------------|--------------|
| Imperial       | Mesquite Regional Landfill (See Inset B) | N/O            | 20,000   | 600                            | 100          |
| Kern           | H.M. Holloway Landfill (See Inset A)     | 440,600        | 1,412    | 3                              | 10           |
| Los Angeles    | Antelope Valley Landfill                 | 638,400        | 2,046    | 11.0                           | 10           |
| Los Angeles    | Burbank Landfill                         | 32,200         | 103      | 2.7                            | 34           |
| Los Angeles    | Calabasas Landfill                       | 262,800        | 842      | 4.3                            | 10           |
| Los Angeles    | Chiquita Canyon Landfill                 | 1,596,000      | 5,115    | 57.0                           | 28           |
| Los Angeles    | Lancaster Landfill                       | 109,100        | 350      | 9.9                            | 22           |
| Los Angeles    | Pebble Beach Landfill                    | 4,300          | 14       | .051                           | 9            |
| Los Angeles    | San Clemente Landfill                    | 400            | 1        | .019                           | 20           |
| Los Angeles    | Savage Canyon Landfill                   | 90,700         | 291      | 4.4                            | 36           |
| Los Angeles    | Scholl Canyon Landfill                   | 335,500        | 1,075    | 3.8                            | 11           |
| Los Angeles    | Southeast Resource Recovery Facility     | 269,500        | 950      | N/A                            | N/A          |
| Los Angeles    | Sunshine Canyon Landfill                 | 2,158,700      | 6,919    | 55.2                           | 18           |
| Orange         | Frank R. Bowerman Sanitary Landfill      | 2,443,600      | 7,832    | 102                            | 33           |
| Orange         | Olinda Alpha Sanitary Landfill           | 2,211,900      | 7,089    | 14                             | 2            |
| Orange         | Prima Deshecha Sanitary Landfill         | 586,200        | 1,879    | 80                             | 82           |
| Riverside      | El Sobrante Landfill                     | 3,419,600      | 10,960   | 142                            | 39           |
| San Bernardino | Mid-Valley Sanitary Landfill             | 1,115,400      | 3,575    | 36                             | 31           |
| San Bernardino | San Timoteo Sanitary Landfill            | 274,500        | 880      | 6                              | 23           |
| Ventura        | Simi Valley Landfill & Recycling Center  | 1,455,100      | 4,664    | 48                             | 42           |

NOTES: Based on total tonnages disposed from January 1 thru December 31, 2019 (including imported waste).  
Annual tonnages rounded to nearest hundred.  
N/O - Not Operational.  
N/A - Not Applicable or Available.

## BREAKDOWN OF LOS ANGELES COUNTY JURISDICTIONS FOR OUT-OF-COUNTY DISPOSAL FACILITIES 2019

| Simi Valley Landfill and Recycling Center<br>(Ventura County) |                 |             |  |
|---------------------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                                      | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles City                                              | 478,457         | 49%         |  |
| Los Angeles County                                            | 205,917         | 21%         |  |
| Malibu                                                        | 65,487          | 7%          |  |
| Agoura Hills                                                  | 57,875          | 6%          |  |
| Los Angeles Unincorporated                                    | 166,029         | 17%         |  |
| Others                                                        | 973,765         | 100%        |  |

| El Sobrante Landfill<br>(Riverside County) |                 |             |  |
|--------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                   | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles City                           | 526,347         | 34%         |  |
| Los Angeles Unincorporated                 | 197,847         | 13%         |  |
| South Gate                                 | 78,437          | 5%          |  |
| Torrance                                   | 61,700          | 4%          |  |
| Others                                     | 673,629         | 44%         |  |
| TOTAL                                      | 1,537,959       | 100%        |  |

| H.M. Holloway Landfill<br>(Kern County) |                 |             |  |
|-----------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                | DISPOSED (TONS) | PERCENT (%) |  |
| Carson                                  | 91,445          | 46%         |  |
| Los Angeles Unincorporated              | 91,436          | 46%         |  |
| Santa Clarita                           | 12,880          | 6%          |  |
| Calabasas                               | 5,173           | 3%          |  |
| Others                                  | -               | 0%          |  |
| TOTAL                                   | 200,933         | 100%        |  |

| Mid-Valley Sanitary Landfill<br>(San Bernardino County) |                 |             |  |
|---------------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                                | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles City                                        | 90,269          | 15%         |  |
| Los Angeles Unincorporated                              | 50,586          | 9%          |  |
| West Covina                                             | 44,528          | 8%          |  |
| Pomona                                                  | 26,919          | 5%          |  |
| Others                                                  | 375,397         | 64%         |  |
| TOTAL                                                   | 587,711         | 100%        |  |

| San Timoteo Sanitary Landfill<br>(San Bernardino County) |                 |             |  |
|----------------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                                 | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles Unincorporated                               | 11,518          | 9%          |  |
| West Covina                                              | 9,938           | 8%          |  |
| Los Angeles City                                         | 6,656           | 5%          |  |
| Clondora                                                 | 6,534           | 5%          |  |
| Others                                                   | 93,502          | 73%         |  |
| TOTAL                                                    | 128,218         | 100%        |  |

| Frank R. Bowerman Sanitary Landfill<br>(Orange County) |                 |             |  |
|--------------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                               | DISPOSED (TONS) | PERCENT (%) |  |
| Long Beach                                             | 101,539         | 15%         |  |
| Los Angeles City                                       | 79,486          | 12%         |  |
| Downey                                                 | 61,054          | 9%          |  |
| Bellflower                                             | 40,618          | 6%          |  |
| Others                                                 | 389,874         | 58%         |  |
| TOTAL                                                  | 672,571         | 100%        |  |

| Prima Deshecha Sanitary Landfill<br>(Orange County) |                 |             |  |
|-----------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                            | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles City                                    | 30,559          | 42%         |  |
| Long Beach                                          | 12,565          | 17%         |  |
| Redondo Beach                                       | 3,525           | 5%          |  |
| Artesia                                             | 3,318           | 5%          |  |
| Others                                              | 22,889          | 31%         |  |
| TOTAL                                               | 72,864          | 100%        |  |

| Olinda Alpha Sanitary Landfill<br>(Orange County) |                 |             |  |
|---------------------------------------------------|-----------------|-------------|--|
| JURISDICTIONAL BREAKDOWN                          | DISPOSED (TONS) | PERCENT (%) |  |
| Los Angeles City                                  | 100,562         | 15%         |  |
| Pomona                                            | 85,347          | 12%         |  |
| Industry                                          | 55,281          | 8%          |  |
| Los Angeles Unincorporated                        | 49,092          | 7%          |  |
| Others                                            | 437,229         | 60%         |  |
| TOTAL                                             | 735,511         | 100%        |  |

Source: Los Angeles County Department of PublicWorks  
Solid Waste Information Management System  
(www.LACountySWIMS.org) and export data reports and  
surveys received from facilities located out of the County, June 2019.

