



Appendix N

Water Supply Assessment

FINAL WATER SUPPLY ASSESSMENT

CITY OF INGLEWOOD

MORNINGSIDE DEVELOPMENT

November 2024



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1. INTRODUCTION

1.1. PROPOSED PROJECT DESCRIPTION

The proposed Morningside Project (“Project”) is located in the southeast portion of the City of Inglewood (Figure 1) in Los Angeles County. Inglewood Associates LLC (“Applicant”) plans to develop 22.87 acres of real property (“Property”) located south of West 104th Street between Yukon Avenue South and South 10th Avenue. The Property currently includes portions of the Morningside High School and Woodworth Elementary School campuses that are no longer utilized by the Inglewood Unified School District. The proposed development includes the following:

- 144 1-bedroom townhomes
- 138 2-bedroom townhomes
- 147 3-bedroom townhomes
- 142 4-bedroom townhomes
- Amenities, including irrigated parks, multipurpose recreational facilities (1.63 acres)
- Two swimming pools
- Common Open Space (8.14 acres, includes hardscaped areas like walking paths and roads)

1.2. BACKGROUND

California Water Code Section 10910 (also termed Senate Bill 610 or SB610) requires preparation of a Water Supply Assessment (“WSA”) for certain projects subject to the California Environmental Quality Act (“CEQA”). Under California Water Code Section 10912, a WSA must be prepared for such projects as:

- A proposed residential development of more than 500 dwelling units
- A proposed shopping center or business establishment employing more than 1,000 persons or having more than 500,000 units square feet of floor space
- A mixed-use project that includes one or more of the projects specified in Section 10912
- A project that would demand an amount of water equal to, or greater than, the amount of water required by a 500-dwelling unit project.

The Project meets the first criterion, as it proposes a residential development of more than 500 dwelling units, and therefore a WSA is required. A WSA includes quantification of water demands for a project, documentation of water supply sources, evaluation of drought impacts, and provision of a comparison of water supply and demand for the next 20 years in order to assess water supply sufficiency. The City of Inglewood (“City”) has requested a WSA, given the overall intensification of the proposed land uses and potential for increased water demand.

The Property is located within the water service area of the City of Inglewood, which is described in the 2020 Urban Water Management Plan (“UWMP”) for the City (Michael Baker International, July 2021, Figure 3.2)¹. While the proposed Project was not specified in the UWMP, the UWMP serves as the foundational document for information on the water supply and demand of the City water system.

The UWMP documents the City of Inglewood’s supply and demand. Water supply sources for the City include imported water, City-operated groundwater wells, and recycled water. Imported water and recycled water are provided to the City of Inglewood through the wholesaler West Basin Municipal Water District (“WBMWD”). The wholesaler in turn obtains their imported water from Metropolitan Water District of Southern California (“MWD” or “Metropolitan”). The City of Inglewood’s water service area is also supplied by City-owned wells in the adjudicated West Coast of the Los Angeles Coastal Plain Groundwater Basin (Michael Baker International, July 2021 pages 6-1 through 6-13)².

1.3. PURPOSE

The purpose of this WSA is to document the City’s existing and future water supplies for its service area and compare them to the area’s future water demand including that of the proposed Project. This comparison, conducted for a normal year, single-year drought, and multi-year drought, is the basis for an assessment of water supply sufficiency in accordance with the requirements of California Water Code Section 10910 (Senate Bill 610).

The WSA examines the water supply and demand projected through 2045. Infrastructure improvements (including the need for new pipelines, additional capacity for fire flows, and other specific system needs) are not considered or discussed in this WSA.

1. The 2020 Urban Water Management Plan (UWMP) for the City of Inglewood, prepared by Michael Baker International, July 2021.

<https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP> Figure 3.2

2. The 2020 Urban Water Management Plan (UWMP) for the City of Inglewood, prepared by Michael Baker International, July 2021.

<https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP> pages 6-1 through 6-13

2. PROJECT WATER DEMAND

This section addresses water demands for the proposed land uses. Primary data sources for estimating both existing and future water demands include water demand factors reported by the Los Angeles County Sanitation District (“LACSD”) (Sanitation Districts of Los Angeles County **2023**)³ and Consumption Reports from the City of Inglewood (Lee, 2023). The LACSD demand factors are included as Appendix A.

2.1. EXISTING WATER USE

The existing site includes portions of Morningside High School campus, as well as the vacated campus of Clyde Woodworth Elementary School after the school merged with Alfred Monroe Elementary School during the 2018-2019 school year. To provide an estimation of existing water use, the vacant school site and all paved areas were assumed to use no water. The remaining grass area was assumed to be irrigated only on sports fields, as observed in aerial imagery and ET data from the California Irrigation Management Information System (CIMIS, 2023). This is a conservative estimate, assuming less existing water use on site, so that the change from existing to planned water demand (net project demand) is a larger amount. Water use over this seasonally irrigated field area was estimated using the LACSD’s value of 100 gallons per day (gpd) per 1000 square feet for irrigated sports fields, golf courses, and public parks.

With the above considerations, existing water use over the 22.87-acre Project area is estimated at 16.5 acre feet per year (AFY). Estimates for existing water demand can be seen in **Table 1**.

2.2. ESTIMATED FUTURE WATER DEMAND

Future water demand for the proposed Project is calculated using data reported by LACSD and is based on average daily sewer flow figures from the various land uses included in the Project, seen in **Table 2**. Based on the proposed Project conceptual site plan and landscaping plan, total future water demand is estimated to be 190.8 AFY in total, including 189.2.0 AFY for indoor water use and up to 1.6 AFY for landscaping and parks.

The potable water demand value is calculated using water use factors and sewage generation factors from the LACSD and Monterey Peninsula Water Management District (“MPWMD”). As noted, the LACSD factors are included as Appendix A. Factors from MPWMD were used for pool water demand, as LACSD does not provide an estimate. Water use factors via sewage generation are estimated as 110 percent of the sewer flow value (Sanitation Districts of Los Angeles County). The water use factors calculate demand per dwelling unit or per square foot. For the Project, each residential unit is estimated to have a sewage generation factor of 260 gallons per day (gpd) per dwelling, and community use

3. Sanitation Districts of Los Angeles County, 2023, Wastewater Generation Loadings for Each Class of Land Use, <https://www.lacsd.org/home/showpublisheddocument/3644/637644575489800000>, accessed December 2023.

centers/multipurpose centers have a factor of 600 gpd per 1000 square feet (sq ft) or 0.6 gpd/sq ft (LACSD, 2021). The residential units are estimated with the same water demand as a single family home 260 gpd. The residential units in the proposed project are connected townhomes and expected to use less than single family home estimate. However, this WSA relies on the more conservative water demand to ensure sufficiency. Values for water demand of pools used by other public agencies are estimated as .02 AFY/100 sq ft, equal to 180 gpd per 1000 square feet (MPWMD, 2024). The combined area of pools and hot tubs are estimated to be 450 square feet per amenity area. Remaining amenity area not categorized as recreational center or pool is assumed to have no water use.

Pocket parks and children's play areas are estimated at 100 gpd per 1000 square feet, based on the LACSD water demand factors although this value could be lower depending on the total amount of hardscaped area within the parks and choice of landscape palette.

The Project landscape plan will incorporate a variety of strategies for sustainability and water conservation based on state and local guidelines including compliance with the Model Water Efficient Landscape Ordinance ("MWELO"). Plant species will be predominantly low and moderate water use. Live turf grass will be limited with a preference towards artificial turf where practical.

The irrigation system will include a variety of water conservation features including the use of a flow sensor at the point of connection that can detect possible leaks and shut the system down so system integrity can be ensured. The irrigation controller will incorporate Smart Water Application Technology ("SWAT") that will allow it to automatically adjust run times based on local weather conditions. The controller will also utilize a rain shut off device. Shrubs and ground cover will be irrigated with drip tubing which reduces evaporation and eliminates wasteful overspray and trees will receive supplemental water from high efficiency micro spray nozzles. The combination of these factors will ensure a sustainable landscape in the community that maximizes the use of limited water resources. Given these conservation measures the estimated water use using standard values is conservative and future demand will likely be less than estimated.

Additional infrastructure improvements may be required to meet the peak water flow needs, including potential fire demands. While the annual volumes for expected losses and fire flows in the system are included in the water demand projections for this Water Supply Assessment, the daily peak requirements may need additional consideration for pipeline sizing and connection to the existing water infrastructure.

As shown in **Table 2**, total future Project demand is expected to be 190.8 AFY. The existing demand was estimated at 16.5 AFY. The net total Project demand is expected to be 174.3 AFY.

3. CITY OF INGLEWOOD WATER DEMAND

This section summarizes water demands for the City of Inglewood service area, the retailer for the proposed Project.

The subsections below discuss the factors affecting total water demand, including climate, population, and employment, plus the mix of customer types, such as residential, commercial, agricultural, and industrial. Management of water demand through water conservation is summarized. Later subsections document water demands, not only under normal climatic conditions, but also during drought.

3.1. CLIMATE

Climate has a significant influence on water demand on a seasonal and annual basis. This influence increases with the portion of water demand for outside uses, specifically landscape irrigation.

Table 3 summarizes representative climate data for Inglewood, including average monthly and annual rainfall and evapotranspiration (ETO) from the CIMIS Long Beach station #174 (CIMIS 2023). The City has a semi-arid, Mediterranean climate, characterized by dry summers and wet winters with year-round moderate-to-warm temperatures. Reflecting this pattern, water demand in the City is greater in the summer than in the winter.

As it would for the entire region, climate change may affect future water supply availability for the City by reducing availability of imported water, changing local precipitation patterns, and increasing water demands. As discussed in greater detail below, the City largely relies on imported water, but also uses local groundwater, and is increasing its recycled water supply source to help offset potable demand.

3.2. POPULATION

Population, a key factor in water demand, is analyzed in the City of Inglewood 2020 UWMP for the water service area. **Table 4** reproduces the 2020 UWMP population values for the service area with projections to 2045.

The UWMP estimates population by using a best-fit logistics curve-based model based on historical US Census data. The population of the water service area is assumed to be 78 percent of the population of the entire City:

$$P_{City} = \frac{P_{max}}{1 - e^{-ct}}$$

Where $P_{max} = 115,000$, $c = 0.075$, and $t = (\text{year}-1956)$

$$P_{WSA} = (0.78)P_{City}$$

According to the City's UWMP, the future population of the City, without the Project, is expected to remain fairly steady with an increase of 619 residents from 2020 to 2045⁴.

The Southern California Association of Governments ("SCAG") also predicts population growth for the Southern California region. As reported in their document, 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS), referred to as Connect SoCal, SCAG regularly updates regional forecasts for population by meeting with local entities, incorporating zoning information from city and county general plans, and identifying regional economic and demographic trends⁵. Other regional wholesalers (e.g., WBMWD and MWD) rely on the SCAG population estimates to assess the future demand and sufficiency of their imported water supplies.

SCAG predicts that the population of the City of Inglewood as a whole will increase from 114,300 residents in 2016 to 137,100 in 2045 (SCAG 2020). Such a City-wide increase of 22,800 residents (or a water service area increase of 17,784 residents) is significantly greater than the population increase predicted in the City's UWMP. While the City's estimates do not take into account the regional growth, supply projections from the wholesalers to the city utilize the SCAG projections for regional growth. The latest growth forecasts prepared by SCAG, contained in the 2024-2050 Regional Transportation Plan/Sustainable Communities Strategy (2024-2050 RTP/SCS), indicate that the number of households within the City will increase from 37,500 in 2019 to 61,600 in 2050. This would be an increase of 70,131 people by 2050, assuming the average 2.91 people per household provided by SCAG.

3.3. CURRENT WATER USE SECTORS AND WATER DEMAND

Figure 2 illustrates City of Inglewood water system demand over the period from 2010 through 2022 for residential plus commercial, industrial, and other flows (Lee, 2023). As indicated, water demands generally have been steady with some decline over the period.

Based on the City's 2020 UWMP, **Table 5** documents the historical water demand for the City water service area by water use sectors (customer types) for the specific calendar years 2016 and 2020. During the five-year period, total water use increased slightly, reflecting growth in the City (including growth associated with the City's Hollywood Park

4. The 2020 Urban Water Management Plan (UWMP) for the City of Inglewood, prepared by Michael Baker International, July 2021.

[https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP pages 3-7 to 3-85](https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP%20pages%203-7%20to%203-85). Southern California Association of Governments (SCAG), 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS), Connect So Cal: Demographics and Growth Forecast, https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579 September 3, 2020, Page 34.

5. Southern California Association of Governments (SCAG), 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy (2020-2045 RTP/SCS), Connect So Cal: Demographics and Growth Forecast, https://scag.ca.gov/sites/main/files/file-attachments/0903fconnectsocial_demographics-and-growth-forecast.pdf?1606001579 September 3, 2020, Page 34.

redevelopment project) offset in part by the continued success of water conservation programs.

3.4. PROJECTED WATER DEMAND

Table 6 summarizes actual 2020 and projected water demands for the City's service area from 2025 to 2045 as reported in the UWMP⁶. Overall, the projections indicate increasing water demands to 2045 for each water use sector. Water demand estimates are based on current average use (2018-2020) and adjusted based on population growth. System losses are estimated at 5 percent of production, as documented in the UWMP.

3.5. WATER CONSERVATION

Water conservation has been mandated by the State and has become an important and effective means for municipal water providers to balance water demand and supply in the future and to address drought. As described in this section, the City of Inglewood has implemented water conservation measures to manage water demand over the long term and during drought. The total future water demand may be lower than estimated above as the City implements additional water conservation measures and efficiency requirements.

To manage water demand over the long term, the State's Water Conservation Act of 2009 (SBx7-7) called for a 20 percent reduction in urban water use by the year 2020. The Water Code was amended to require 2015 and 2020 water use targets to be developed in the 2010 UWMPs with updated targets in the 2020 UWMPs. For the City, the confirmed 2020 compliance target for per capita water consumption is 112 gallons per day per capita (gpcd) in accordance with Section 10608.20 (b)(3) of the Water Code. The City's per capita water use in 2020 was calculated to be 91.6 gpcd, which is below the 2020 Target and demonstrates the effect of long-term water conservation (Michael Baker, 2021, page 5-9).

With regard specifically to drought and other short-term shortages, the UWMP documents the City's Water Shortage Contingency Plan. Depending on the severity of the water shortage, a five-stage water-rationing plan can be implemented, corresponding to shortages of up to 10 percent, 20 percent, 30 percent, 40 percent, and 50 percent, respectively (Michael Baker, 2021, page 8-5).

Water conservation also was mandated in response to the recent drought of 2012 to 2016. On the state level, Governor Jerry Brown signed executive order B-29-15, which mandated a 25 percent reduction in urban potable water use (State of California, 2015). On a local level, the City adopted Ordinance 15-02 in October 2014, which established emergency water conservation measures. These measures were made permanent in August 2017 by

6. The 2020 Urban Water Management Plan (UWMP) for the City of Inglewood, prepared by Michael Baker International, July 2021.

[https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP Table 4.3](https://www.cityofinglewood.org/DocumentCenter/View/16221/20210616-Public-Review-Draft-2020-UWMP%20Table%204.3)

Resolution 17-124 (City of Inglewood, 2017). The water conservation measures limit outside watering of potable water, impose an obligation to repair leaks, require automatic shut off nozzles for hoses, restrict irrigation runoff, and put limitations on swimming pools, among other restrictions.

Water conservation effectiveness is tracked; on a monthly basis, large urban water suppliers in California are required to report data on water production and conservation activities to the California State Water Resources Control Board (“CSWRCB”, 2018). Water conservation effectiveness is measured by comparing current monthly water use to the amount of water used during calendar year 2013. In 2015, at the peak of a multiple year drought, the City of Inglewood reported a water use reduction of 12 percent compared to 2013. The total system wide demand has remained low; from 2010 to 2020 total water use declined by six percent reflecting in part a population decline of two percent over the same time and demonstrating that the water conservation measures were successful in reducing water demand during the extended drought and over the long term, **Figure 2** (Lee, 2023).

4. CITY OF INGLEWOOD WATER SUPPLY

The City of Inglewood, the water retailer for the proposed Project, provides water supply across most of the City. Water is provided in the remaining areas by Golden State Water Company and California American Water Company. The City of Inglewood water supply includes potable groundwater and imported water, and non-potable recycled water. Groundwater is pumped from City-owned wells and imported water is purchased from the WBMWD) through MWD). The City also purchases recycled water from WBMWD, which is used for landscape irrigation at City parks, cemeteries, and schools and other non-potable purposes.

Table 7 presents the relative amounts of historical City water supplies sources from 2016 and 2020. As shown, the City imports 61 percent of its water supply. Groundwater pumped from the West Coast Basin contributes approximately 31 percent of the total water supply and recycled water contributes the remaining 8 percent of total supply.

4.1. GROUNDWATER

As indicated in **Table 7**, approximately 31 percent of the City water supply was from groundwater in 2020. **Table 8** shows the amount pumped in recent years from City wells as presented in City's UWMP. Groundwater is pumped from the West Coast Basin,⁷ which encompasses approximately 160 square miles of the southwestern Los Angeles Coastal Plain Basin. Its boundary is defined by Santa Monica Bay on the west, Newport-Inglewood fault system on the east, San Pedro Bay to the south and the Ballona Escarpment in the north.

The water bearing deposits in the West Coast Basin include the unconsolidated and semi-consolidated marine and alluvial sediments of Holocene, Pleistocene, and Pliocene ages. The Holocene alluvium, (Gaspur and Semiperched aquifers), Upper Pleistocene Lakewood (Bellflower and Gardena aquifers), and Lower Pleistocene San Pedro Formations (Silverado aquifer) are the main groundwater producing units. The California Department of Water Resources ("DWR") estimates the storage capacity for the West Coast Basin to be 6.5 million AF (DWR, 2003).

Groundwater extraction by pumping wells is the primary means of groundwater discharge from the basin. The West Coast Basin receives inflow from artificial recharge projects, subsurface flow from the Central Basin, and percolation from rainfall. DWR has estimated groundwater pumping for urban use in the West Coast Basin at 51,673 AFY (DWR, 2003).

The Salt and Nutrient Management Plan ("SNMP") for the Central Basin and West Coast Basin (Todd Groundwater, 2015) documents that average salt and nutrient concentrations in the West Coast Basin groundwater do not meet water quality objectives of the Regional Water Quality Control Board because of historical seawater intrusion. However, existing and planned implementation measures (including seawater barrier projects, desalters, recharge

7. The West Coast Basin is a subbasin of the Coastal Plain of Los Angeles Groundwater Basin that has been designated by the Department of Water Resources (DWR) as groundwater basin 4-11.03 (DWR, 2003).

projects and other programs) ensure that salt and nutrient levels in groundwater will achieve the objectives in the future.

In 1961, the West Coast Basin was adjudicated to prevent over pumping (which caused seawater intrusion) and to restore groundwater levels. The West Coast Basin Judgment limits the amount of groundwater each party can extract annually from the Basin, and these limits are monitored by DWR, the Court-appointed Watermaster. As part of the adjudication, the Central and West Basin Water Replenishment District (WRD)⁸ was created to manage, regulate, and replenish the Central and West Coast Basins. The 1961 adjudication was modified in 2014 to form the West Basin Water Rights Panel to help ensure compliance with the Amended Judgment. In 2018, an additional judgment modified the agreement to add a process for users not in the original judgment to have an extraction exemption. The original 1961 adjudication and the 2018 update are attached as **Appendix A**.

The City of Inglewood has an Allowed Pumping Allocation (APA) of 4,449.89 AFY from the West Coast Basin and carry over rights per the Judgement. The City has received additional groundwater rights totaling 282 AF in 2024 from Hollywood Park Land Company. The deed of water rights permanent transfer have been signed and approved.

The City operates and maintains two groundwater well sites (Wells No. 2 and No.7). One well (Well No. 8) is currently in construction and is expected to come online in late 2025 and an additional well (Well No. 5) is in pre-design. The City owns two additional wells that are inactive. Historical production from these wells is shown on **Table 8**. Groundwater production varied from 1,608 AFY in 2018 and 3,062 AFY in 2020.

4.2. RECYCLED WATER

The proposed Project will not use recycled water but it remains an important water supply for the City. The City purchases recycled water from WBMWD, who purchases and resells tertiary-treated recycled water produced at the Los Angeles County Sanitation District's Los Coyotes and San Jose Creek Water Reclamation Plants. Almost all recycled water use in the City is for landscaping irrigation with a very small amount of recycled water used for City yard street sweeping. The City currently has 35 connections to WBMWD's recycled water system including service connections to Inglewood Park Cemetery, Hollywood Park Racetrack, City parks, Inglewood Unified School District facilities, and Caltrans rights-of-way.

Recycled water volumes supplied to the City are presented on **Table 7** for the years 2016 and 2020 and on Table 9 for projected use through 2045. Future supplies of recycled water are expected to remain at 800 AFY with an additional allowance of 40 AFY for the Hollywood Park redevelopment project.

4.3. IMPORTED WATER

In 2020, the City purchased approximately 6,000 AF or 61 percent of its water supply from WBMWD. Imported water (delivered through WBMWD) is provided by MWD from the

⁸ Renamed Water Replenishment District (WRD) of Southern California.

Colorado River, the Sacramento-San Joaquin River Delta (Delta) via the State Water Project, desalination, recovered groundwater banking, and other sources. These sources provide Southern California with approximately 2 million acre-feet (MAF) of water annually for urban uses. The Colorado River provides approximately 4.4 MAF annually for agricultural and urban uses while the Delta supplies Southern California with over 1 MAF annually. MWD receives its water supply via the Colorado River Aqueduct and the California Aqueduct. The Colorado River Aqueduct, managed by MWD, is 242 miles long and conveys water from the Colorado River to Lake Matthews. The California Aqueduct, part of the State Water Project and operated by DWR, is 444 miles long and carries water from the Delta to Southern California.

Purchased water is delivered to the City through two imported water connections (WB-17 and WB-38). It is anticipated that these connections should be sufficient to meet normal and dry year demand. The City had previously held five-year purchase agreements with WBMWD with rates based on a two-tier rate structure. Tier 1 is an agreed supply allotment at one rate, and additional supplies in excess of the agreement would be charged at a Tier 2 rate. Because of recent changes with a new purchase agreement with MWD and WBMWD new agreements have not yet been developed with member agencies (WBMWD, 2021)⁹.

4.4. WATER SUPPLY IN NORMAL AND DROUGHT PERIODS

The California Water Code requires a WSA to include discussion of how supply will meet demand during normal, single dry, and multiple-dry years during a 20-year projection. The City's 2020 UWMP, included herein by reference, provides discussion of water supply and demand in normal and drought periods.

4.5. PROJECTED WATER SUPPLY: REGIONAL SUPPLY AND DEMAND

Retail contracts for imported water are not currently in place for projection to the planning horizon; however, regional water supplies are not expected to change significantly according to the UWMPs of regional wholesalers. The City's wholesaler, WBMWD documents their future supply and demand in its regional UWMP (WBMWD, 2021) that includes the City's service area. In turn, Metropolitan Water District (MWD)'s UWMP encompasses WBMWD.

As documented in **Tables 10 and 11**, the MWD and WBMWD UWMPs both show sufficient supplies to meet projected future demands in the region during all conditions including normal, dry, and multiple-dry years (MWD 2021¹⁰, WBMWD 2021¹¹). The future demand for

9. West Basin Municipal Water District (WBMWD), 2021, Urban Water Management Plan 2020, <https://www.westbasin.org/2020-urban-water-management-plan/> June page 2-3

10. Metropolitan Water District of Southern California (MWD), 2021, Urban Water Management Plan 2020, <https://www.mwdh2o.com/media/21641/2020-urban-water-management-plan-june-2021.pdf>, June. Table 1-5 and page A12-7 and A12-8

11. WBMWD UWMP, Table 6.9

the WBMWD UWMP is based on the MWD projections which in turn are based on the population projections from SCAG (SCAG, 2020).

WBMWD's UWMP shows commitment to meeting the demands of retailers, including the City. The UWMP details WBMWD's plan to improve reliability including increasing supplies of recycled water and investing in desalinated ocean water supply. Of the supplies in the West Basin service area, imported water from MWD has the highest sensitivity to hydrologic conditions and is subject to reduced availability due to drought. MWD has made substantial investments to increase imported water supply reliability during periods of extended drought.

Similarly, WBMWD anticipates sufficient supplies to meet projected demands in multiple-dry years because of WBMWD's diversified supply and conservation measures and MWD's supply reliability investments (WBMWD, 2021)¹². MWD projects the ability to meet projected WBMWD imported water demands under normal, single-dry year, and multiple-dry year conditions (MWD, 2021¹³). As a result, there are no anticipated shortages under the single-dry year or multiple-dry year scenarios for all of MWD's customers, including the City of Inglewood, and WBMWD service area demands are assumed to be unconstrained in each reliability scenario.

WBMWD anticipates that it can continue to meet demands, which increase from 146,190 AFY in 2025 to 165,760 AFY in 2040, an increase of 19,570 AFY (WBMWD, 2021)¹⁴. As described in its UWMP, WBMWD relied on MWD's projections for total demand and water use efficiency, which used data from SCAG (SCAG, 2020).

Table 10a reproduces information from WBMWD UWMP Table 6-9 and shows the forecasted water supply by type. **Table 10b** shows UWMP Table 7-1 and confirms that WBMWD has sufficient supply to meet this increasing demand in all year types (WBMWD, 2021)¹⁵. If needed in a multiple-year drought, WBMWD can rely on its water supply contingency plan that implements additional water conservation measures. These water conservation measures proved effective in previous droughts, for example, prompting a 19 percent reduction in demand from 2013 to 2015/2016 in response to severe drought (WBMWD, 2016)¹⁶.

As noted above, WBMWD plans to meet the projected future demands with a diverse supply portfolio. WBMWD has plans in place to expand its water use efficiency programs, further develop recycled water, and add ocean water desalination supplies to improve its immediate, near- and long-term reliability of supplies.

12. WBMWD, 2021 pages 107 - 112

13. MWD, 2021 pages A12-7 and A12-8

14. WBMWD, 2021 page 119

15. WBMWD, 2021 pages 6-34 and 7-14

16. WBMWD, 2016 page 7-1

MWD similarly plans to increase supply to meet projected growth as shown on **Table 11** (MWD, 2021)¹⁷. The projections of retail M&I water demands used in the 2020 UWMP are based on demographic data and projections taken from the SCAG Connect SoCal study (SCAG, 2020). For future supply, MWD estimated levels based on past observed conditions. MWD water supply allocations from the Colorado River and State Water Project (SWP) vary greatly due to hydrologic conditions. However, MWD relies on storage reserves, water banking, and transfers to mitigate dry year allocations (MWD 2021).¹⁸

In their UWMP, MWD defines their year types as:

- Normal Year. The average of historic years 1922 to 2017 most closely represents the water supply conditions that MWD considers available during a normal water year.
- Dry Year (Five-Consecutive-Year Drought). The five consecutive years of 1988 to 1992 represent the driest five-consecutive year historical sequence for Metropolitan's water supply. This five-year sequence is used to complete both Metropolitan's water service reliability and drought risk assessments.

For normal year conditions, MWD is planning a 247,000 AFY increase in supply from 2.613 MAFY 2025 to 2.860 MAFY in 2045 (MWD 2021). While the supply increase is driven in a large part by expanded water recycling, MWD is pursuing several projects to increase its water supply including:

- Finding long-term solutions for the Delta.
- Developing storage programs related to the SWP and the Colorado River.
- Developing storage and groundwater management programs within the Southern California region.
- Increasing water recycling, groundwater recovery, and seawater desalination.
- Developing water supply management programs outside the region.

The 2020 UWMP from MWD includes a water service reliability assessment, which concluded that supply capabilities are sufficient to meet expected demands from 2025 through 2045 under normal and single dry-year conditions and a period of drought lasting five consecutive water years. MWD's UWMP also concludes that future water supply needs can be met through implementation and development of a diversified resource portfolio including programs in the Colorado River, SWP and Central Valley storage and transfer programs, local resource projects, and in-region storage (MWD, 2021)¹⁹. Based on the above, the available increase in supply indicated by the wholesalers would accommodate the proposed Project's net water demand of 174.3 AFY (computed as the 190.8 AFY total demand minus the 16.5 AFY existing demand).

17. MWD, 2021 Table 1-5

18. MWD, 2021 page ES-8

19. MWD, 2021 ES-6 and E-7

4.6. CITY OF INGLEWOOD PROJECTED WATER SUPPLY: NORMAL AND DROUGHT YEARS

Table 12 shows the expected future supply for the City of Inglewood, which includes purchased water from WBMWD as described above. To meet demand, the City plans to increase the amount of purchased imported water from WBMWD through 2045. However, no purchase plans are currently in place beyond 2024 and the City will develop new agreements with WBMWD when WBMWD begins to assess future supply for their retailers. By 2025, WBMWD's UWMP projects that water supply is sufficient to meet the region's growing demand. It is therefore likely the City will be able to extend and increase its agreement with WBMWD (WBMWD, 2021)²⁰.

Groundwater production is capped at the City's adjudicated Allowed Pumping Allocation (APA) of 4,449.89 AFY, but there are opportunities to store water in the basin, up to 100 percent of the APA per year. Additional leased groundwater may also be available to be purchased (Michael Baker, 2021)²¹.

The UWMP also shows the expected supply and demand during each hydrologic year type. The normal year was selected as equivalent to 2020 supply and demand, shown on **Table 12**. A single dry year is considered as having 3 percent higher demand than a normal year, shown on **Table 13**. A five consecutive year drought was considered to have a demand 5 percent higher than normal, shown on **Table 14**.

Tables 12 through 14 show the City expects to have a surplus of supply ranging from 1,038 AFY to 595 AFY over time in a normal year and 490 AFY in 2025 to 25 AFY over time in a Multiple Dry year period (Michael Baker, 2021)²². It is noteworthy that the City and their wholesalers did not experience a water supply shortage during the 2012-2016 drought. According to the MWD's UWMP water supplies are projected to remain at similar levels during multiple year droughts through 2045 (MWD, 2021)²³.

The City has sufficient supply to meet all reliability requirements. As documented in its UWMP, the City does not rely on assumed water conservation performance in order to balance available water supplies with water demands for both single and multiple dry years through 2045. In other words, normal and dry year demands are indicated to be the same. Nonetheless, water use efficiency mandates and water conservation measures were effective during the last drought and are likely to reduce demand during future droughts. Note that supply is shown as equal to demand. It is common practice in UWMPs to presume that the water agency generates no more supply than what is needed and delivered to customers including associated system water losses (Michael Baker, 2021)²⁴.

20. WBMWD, 2021 ES-13

21. Michael Baker, 2021 Page 6-10

22. Michael Baker, 2021 Tables 7-1 through 7-3

23. MWD, 2021 Table 1-5

24. Michael Baker, 2021 Page 7-9

If needed, the Water Supply Contingency Plan part of the UWMP will implement water demand management measures. In addition, the City anticipates that the recycled water supply will remain constant through single-year and multi-year droughts. While recycled water can be affected by indoor water conservation measures, it generally is recognized as reliable during drought (Michael Baker, 2021)²⁵.

5. COMPARISON OF SUPPLY AND DEMAND

As documented in **Tables 12 through 14**, the City has concluded that it will have sufficient water supply to fulfill demand in normal, single dry, and multiple dry years with a 20-year projection. To further increase their portfolio, the City has stated that they plan to purchase and store water in the West Coast Basin. The amounts to be supplied from these projects are not yet quantified, pending further development of purchase agreements, but the base agreement water supply will continue to be available. As documented in its UWMP, the City has a portfolio of supplies to rely on during normal and dry years.

The reliability of this supply is evidenced by the fact that the City was supplied with 100 percent of its demand during the most recent multi-year drought (Michael Baker, 2021)²⁶. Additionally, recent water use shows that conservation measures implemented by the City of Inglewood were successful in reducing demand in the service area.

The City of Inglewood 2020 UWMP did not specifically include the proposed Project in its water demand estimates, as future demand was generally estimated based on population and not land use. Nonetheless, the UWMP anticipates some residential, commercial, and institutional growth in the service area that is applicable to the proposed Project. In addition, the SCAG population estimates for the City of Inglewood are much larger than those used in the UWMP. These larger SCAG population estimates were used by WBMWD and Metropolitan to forecast regional demand for imported water and show sufficiency.

As documented in the City's 2020 UWMP and reproduced in **Table 6**, water demand estimates for residential customers are projected to increase by 783 AFY from 2020 to 2045. The net water demand for the proposed Project is estimated at 174.3 AFY; this conservatively assumes little existing water demand on site and no additional water conservation.

The City's UWMP does not explicitly include this Project in their future demand projections, given that their method uses a logistics curve-based model that is based on past growth and not expected future regional growth (see Section 3.2). . The City's water supply wholesalers account for regional population growth and have documented their ability to meet the future water demand. Given that the City's wholesalers have recognized the regional growth projected by SCAG and have shown sufficient water supply for that growth, there is adequate water supply for the Project.

25. Michael Baker, 2021 Section 8

26. Michael Baker, 2021 page 6-2

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Tables and Figures

Table 1. Current Water Demand

Project Type	Size	Unit	Acres	Average Daily Sewage Generation (gpd/Unit) ¹	Average Daily Demand (gpd) ²	Average Annual Demand (afy) ³
Existing Land Use						
Seasonally Irrigated Field	134,125	sqft	3.08	0.1	14,753.8	16.5
Hardscape/Blacktop	106,139	sqft	2.44	0	0.0	0.0
Non-irrigated field	523,000	sqft	12.01	0	0.0	0.0
Project Total	763,264	sqft	17.52		14,753.8	16.5

Source: D&D Sewer Area Study 2023

1. Average Daily Sewer Flow factors from LA County Sanitation District sewage generation factors. Sanitation Districts of Los Angeles County, 2023, Wastewater Generation Loadings for Each Class of Land Use,

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2. Calculated sewer generation based on LACSD data with application of a 110% factor to estimate average daily potable supply.

3. Total demand for an average year

Table 2. Proposed Project Water Demand

Project Type	Size	Unit	Average Daily Sewer Generation or Water Use Factor (gpd/Unit) ¹	Average Daily Demand (gpd) ²	Average Annual Demand (afy)
From LA County Sanitation District (Sewage Generation)					
Single Family Home	571	home	260	163,306	182.9
Fitness Center w/ Showers	8,204	sqft	0.6	5,415	6.1
From Monterey Peninsula WMA (Water Use)					
Pools ³	900	sqft	0.2	161	0.2
Subtotal Indoor				168,881	189.2
Public Park and Landscaping	13,068	sqft	0.1	1,437	1.6
Total Project				170,319	190.8

Source: D&D Sewer Area Study 2023

1. Average Daily Sewer Flow factors from LA County Sanitation District sewage generation factors. Sanitation Districts of Los Angeles County, 2023, Wastewater Generation Loadings for Each Class of Land Use, <https://www.lacsd.org/home/showpublisheddocument/3644/637644575489800000>. <https://www.lacsd.org/civicax/filebank/blobdload.aspx?blobid=3531>, accessed December 2023.
2. Calculated sewer generation based on LACSD data with application of a 110% factor to estimate average daily potable supply.
3. Pool water use factor from Monterey Peninsula Water Management District, 2015, Non-Residential Water Use Factors. <https://www.mpwmd.net/rules/Rule24.pdf>, accessed January 2024.

Table 3. Climate Data

Parameter	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Temp _{Min} (°F)	42	43	47	50	54	59	62	62	60	54	47	42	52
Temp _{Max} (°F)	69	67	69	71	72	75	80	83	83	79	73	68	74
Temp _{Avg} (°F)	54	55	57	59	61	67	70	71	70	65	59	54	62
Rainfall (in)	1.7	2.2	1.3	0.6	0.3	0.0	0.1	0.1	0.1	0.4	0.7	2.2	9.6
Eto (in)	1.9	2.4	3.7	4.6	5.0	5.0	5.8	5.6	4.4	3.3	2.2	1.6	45.3

Source: Long Beach CIMIS Station #174, Sept 2000 - 2023

Table 4. Population Projections

Population	2020	2025	2030	2035	2040	2045
Total City Population	114,062	114,353	114,555	114,694	114,790	114,855
Inglewood Service Area Population Served	88,968	89,195	89,353	89,461	89,536	89,587

Source: Inglewood UWMP, Table 3.2.

Table 5. Historical Water Demand by Water Use Sectors (AFY)

Customer Type	Actual Water Demand (AFY)	
	2016	2020
Residential	6,103	6,337
Commercial	2,219	2,343
Industrial	50	60
Institutional/Governmental	89	113
Other (fire)	3	4
Losses	68	275
TOTAL WATER CONSUMPTION	8,532	9,132

Source: Inglewood 2020 UWMP, Table 4.1

Note: Includes recycled water demand

Table 6. Projected Water Demand by Water Use Sectors (AFY)

Customer Type	Actual Demand	Projected Water Demand (AFY)				
	2020	2025	2030	2035	2040	2045
Residential	6,337	6,818	6,872	6,943	7,026	7,120
Commercial	2,343	2,693	2,713	2,739	2,770	2,804
Industrial	60	61	61	62	63	64
Institutional/Governmental	113	114	115	116	118	119
Other (fire)	4	7	7	7	7	7
Losses	275	469	473	478	484	491
TOTAL WATER DEMAND	9,132	10,162	10,241	10,345	10,468	10,605

Source: Inglewood 2020 UWMP, Table 4.3.

Note: Includes recycled water demand

Table 7. Historical Water Supply All Sources (AFY)

Water Supply	Source	2016	2020
Purchased or Imported Water	West Basin Municipal Water District	6,457	5,972
Groundwater	West Coast Subbasin	2,312	3,062
Recycled Water	West Basin Municipal Water District	806	800
TOTAL		9,575	9,834

Source: Inglewood 2020 UWMP, Table 6-1

Table 8. Historical Groundwater Supply by Well (AFY)

Source	2016	2017	2018	2019	2020
Well No. 1	908	730	251	154	244
Well No. 2	210	685	583	500	409
Well No. 4	77	19	23	-	-
Well No. 5	-	-	-	-	-
Well No. 6	1,116	951	751	570	463
Well No. 7	-	-	-	1,311	1,947
Total	2,312	2,385	1,608	2,535	3,062

Source: Inglewood 2020 UWMP, Table 6-2

Table 9. Future Water Supply - City of Inglewood (AFY)

Year	2020	2025	2030	2035	2040	2045
Imported Water	5,972	9,000	9,000	9,000	9,000	9,000
Groundwater	3,062	2,200	2,200	2,200	2,200	2,200
Recycled Water	800	800	800	800	800	800
Total	9,834	12,000	12,000	12,000	12,000	12,000

Source: Inglewood 2020 UWMP, Table 6-4

Table 10. WBMWD Projected Supply and Demand Comparison

Table 10a: Regional Normal Year Supply Projections (AF)

Regional Normal Year Supply						
Supply totals		2025	2030	2035	2040	2045
Purchased Water	Purchased	95,890	89,460	89,750	89,360	89,460
Recycled Water	Delivered	30,300	31,700	31,700	31,700	31,700
Recycled Water	Saltwater Barrier Replenishment	20,000	29,000	39,000	44,600	44,600
Groundwater Water	Locally pumped	25,330	30,100	30,100	30,100	30,100
TOTAL SUPPLY		171,520	180,260	190,550	195,760	195,860

Source: WBMWD UWMP 2020 Table 6.9

Table 10b: WBMWD Multiple Dry Years Supply and Demand Comparison (AF)

WBMWD Multiple Dry Years Supply and Demand Comparison						
		2025	2030	2035	2040	2045
First year	Supply totals	146,190	150,160	160,450	165,660	165,760
	Demand totals	146,190	150,160	160,450	165,660	165,760
	Difference	0	0	0	0	0
Second year	Supply totals	146,190	150,160	160,450	165,660	165,760
	Demand totals	146,190	150,160	160,450	165,660	165,760
	Difference	0	0	0	0	0
Third year	Supply totals	146,190	150,160	160,450	165,660	165,760
	Demand totals	146,190	150,160	160,450	165,660	165,760
	Difference	0	0	0	0	0
Fourth year	Supply totals	146,190	150,160	160,450	165,660	165,760
	Demand totals	146,190	150,160	160,450	165,660	165,760
	Difference	0	0	0	0	0
Fifth year	Supply totals	146,190	150,160	160,450	165,660	165,760
	Demand totals	146,190	150,160	160,450	165,660	165,760
	Difference	0	0	0	0	0

Source: WBMWD UWMP 2020 Table 7.1

Does not include locally pumped groundwater

Table 11. Metropolitan Water District Projected Supply

	2025		2035		2045	
(Acre-Feet)	Normal Year ¹	Dry Year ²	Normal Year	Dry Year	Normal Year	Dry Year
Local Groundwater						
From Natural Recharge ³	939,000	985,000	964,000	988,000	991,000	1,011,000
Replenishment	316,000	255,000	332,000	327,000	335,000	334,000
Local Projects						
Groundwater Recovery	143,000	139,000	158,000	158,000	159,000	159,000
Recycling	550,000	491,000	687,000	658,000	706,000	703,000
Seawater Desalination	51,000	56,000	51,000	56,000	51,000	56,000
Local Runoff Stored	80,000	77,000	82,000	77,000	82,000	77,000
Los Angeles Aqueduct	257,000	118,000	258,000	118,000	258,000	118,000
Exchange with SDCWA	278,000	278,000	278,000	278,000	278,000	278,000
Total	2,613,000	2,400,000	2,809,000	2,660,000	2,860,000	2,736,000

Source: MWD UMWP 2020, Table 1-5

Notes: 1. Normal Water Year is based on 1922 through 2017.

2. Dry Year is based on five consecutive years of drought (1988-92).

3. Estimate of natural recharge is based on basin balance considering projected local groundwater production and replenishment deliveries to the groundwater basins.

Table 12. Future Water Supply and Demand Normal Year (AFY)

Normal Year	2025	2030	2035	2040	2045
Water Supply	12,000	12,000	12,000	12,000	12,000
Water Demand	10,962	11,041	11,145	11,268	11,405
Surplus	1,038	959	855	732	595

Source: Inglewood 2020 UWMP, Table 7-1

Table 13. Future Water Supply and Demand Single Dry Year (AFY)

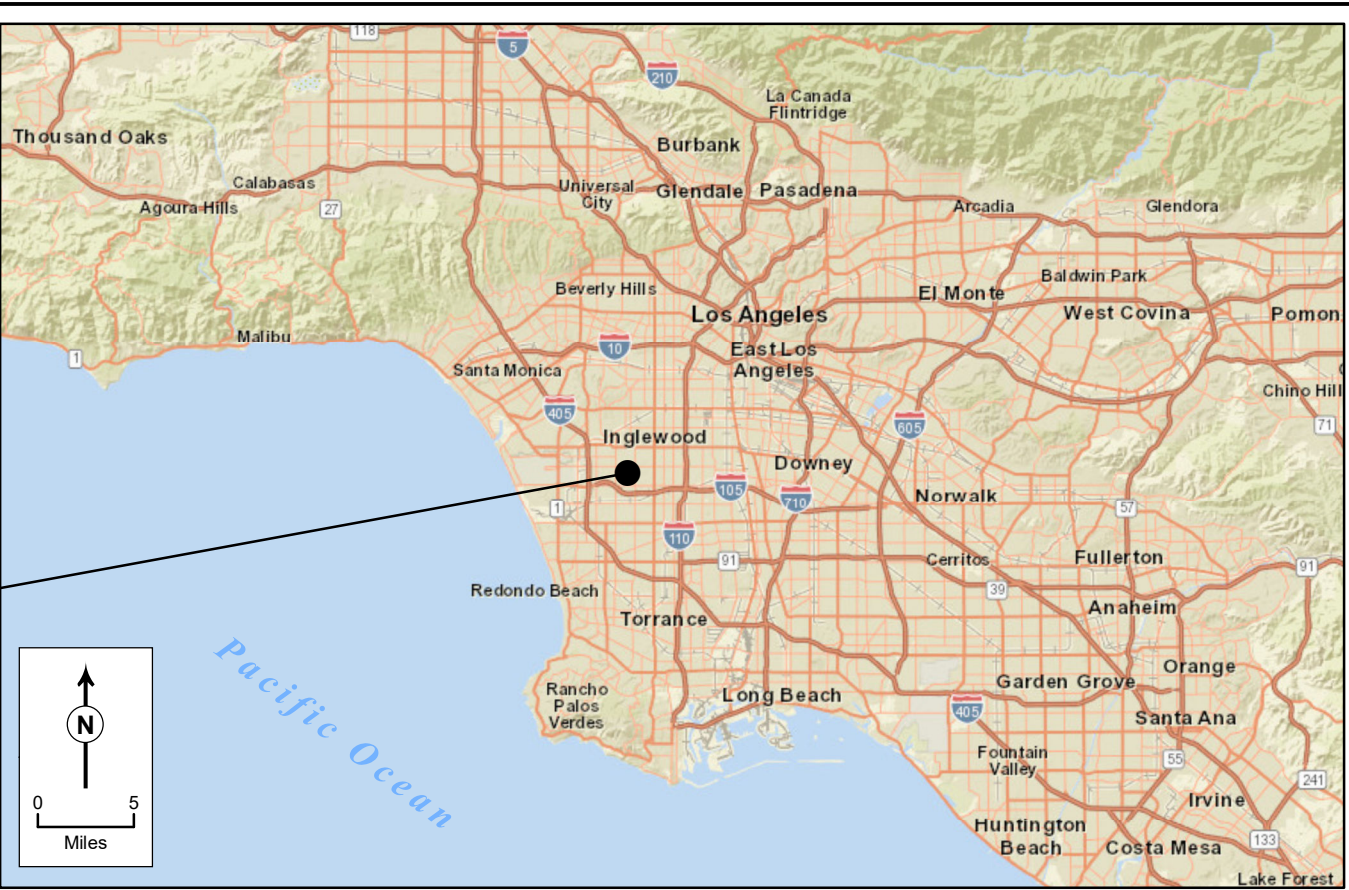
Dry Year	2025	2030	2035	2040	2045
Water Supply	12,000	12,000	12,000	12,000	12,000
Water Demand	11,291	11,372	11,479	11,606	11,747
Surplus	709	628	521	394	253

Source: Inglewood 2020 UWMP, Table 7-2

Table 14. Future Water Supply and Demand Multiple Dry Year (AFY)

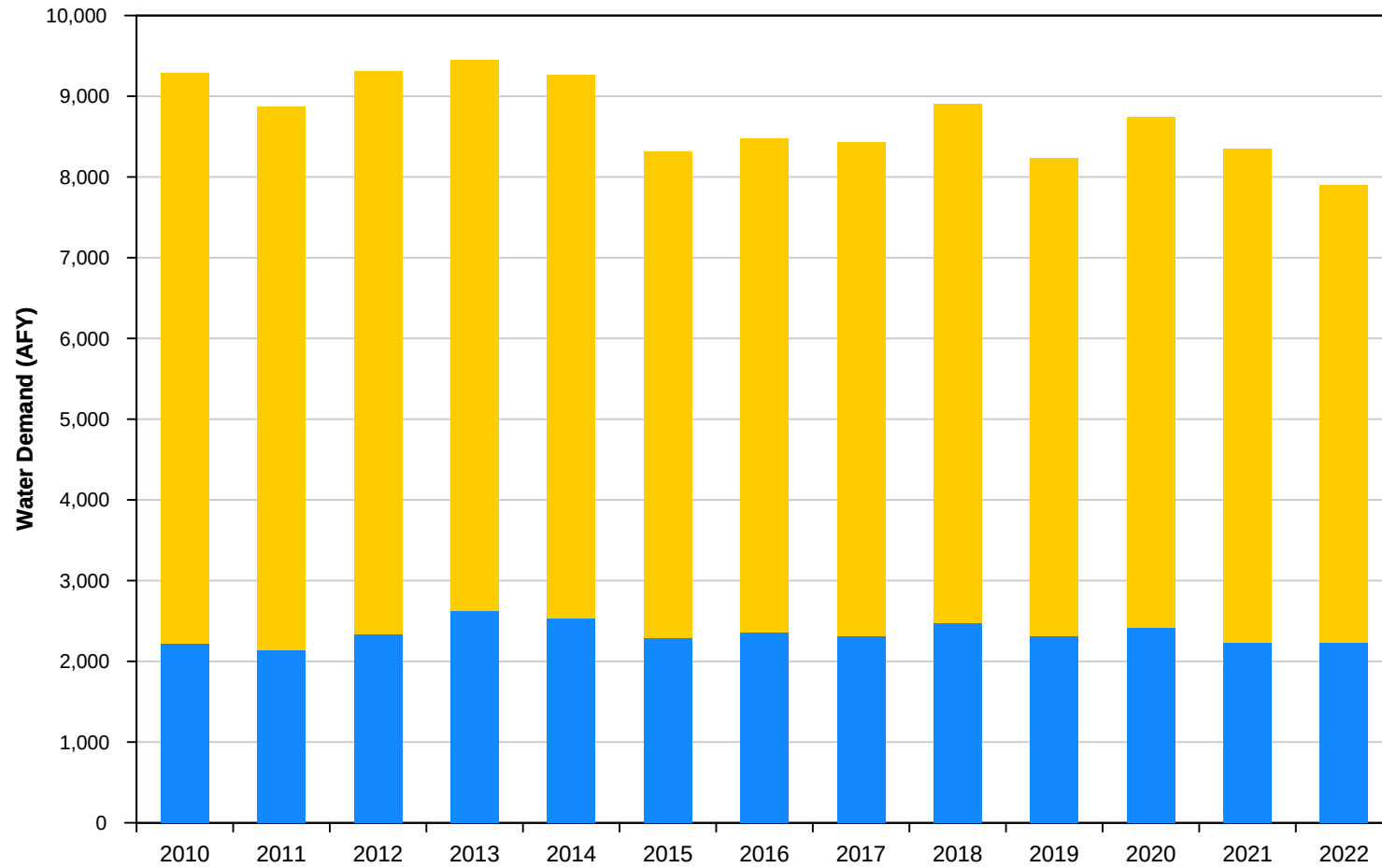
Multiple Dry Years		2025	2030	2035	2040	2045
First Year	Supply	12,000	12,000	12,000	12,000	12,000
	Demand	11,510	11,593	11,702	11,831	11,975
	Surplus	490	407	298	169	25
Second Year	Supply	12,000	12,000	12,000	12,000	12,000
	Demand	11,510	11,593	11,702	11,831	11,975
	Surplus	490	407	298	169	25
Third Year	Supply	12,000	12,000	12,000	12,000	12,000
	Demand	11,510	11,593	11,702	11,831	11,975
	Surplus	490	407	298	169	25
Fourth Year	Supply	12,000	12,000	12,000	12,000	12,000
	Demand	11,510	11,593	11,702	11,831	11,975
	Surplus	490	407	298	169	25
Fifth Year	Supply	12,000	12,000	12,000	12,000	12,000
	Demand	11,510	11,593	11,702	11,831	11,975
	Surplus	490	407	298	169	25

Source: Inglewood 2020 UWMP, Table 7-3



Parking Summary									
Product	Garage	Bed/Bath	Area SF	Site Area (AC)	Density (DU/AC)	Total Units	Unit Mix	Total Beds	Total SF
Residential				21.02	24.97	571	100%	1,606	754,452
Row Townhomes						403	70.6%	1,186	477,168
Plan 1	1	1/1.5	862			144	25.2%	288	124,128
Plan 2	2	2/2.5	1,198			138	24.2%	414	165,324
Plan 3	2	3/3.0	1,444			63	11.0%	252	90,972
Plan 4	2	4/3.0	1,668			58	10.2%	232	96,744
Interlocking Townhomes						168	29.4%	420	277,284
Plan 5	2	3/3.5	1,512			84	14.7%	168	127,008
Plan 6	2	4/4.0	1,789			84	14.7%	252	150,276
Non-Residential				1.85					8,232
Clubhouse Phase 1			4,205	0.90					4,205
Clubhouse Phase 2			4,027	0.65					4,027
Misc. Open Space				0.30					
Total				22.87	24.97	571		1,606	762,684

Figure 1
Project Area



Residential
Commercial, Industrial, Fire

December 2023

TODD
GROUNDWATER

Figure 2
City of Inglewood
Water System Demand

Appendix A
Los Angeles County
Sanitation District Table 1
Loadings for Each Class of
Land Use

APPENDIX 4.15.3-3

Loadings for Each Class of Land Use

TABLE 1
LOADINGS FOR EACH CLASS OF LAND USE

<u>DESCRIPTION</u>	<u>UNIT OF MEASURE</u>	<u>FLOW (Gallons Per Day)</u>	<u>COD (Pounds Per Day)</u>	<u>SUSPENDED SOLIDS (Pounds Per Day)</u>
RESIDENTIAL				
Single Family Home	Parcel	260	1.22	0.59
Duplex	Parcel	312	1.46	0.70
Triplex	Parcel	468	2.19	1.05
Fourplex	Parcel	624	2.92	1.40
Condominiums	Parcel	195	0.92	0.44
Single Family Home (reduced rate)	Parcel	156	0.73	0.35
Five Units or More	No. of Dwlg. Units	156	0.73	0.35
Mobile Home Parks	No. of Spaces	156	0.73	0.35
COMMERCIAL				
Hotel/Motel/Rooming House	Room	125	0.54	0.28
Store	1000 ft ²	100	0.43	0.23
Supermarket	1000 ft ²	150	2.00	1.00
Shopping Center	1000 ft ²	325	3.00	1.17
Regional Mall	1000 ft ²	150	2.10	0.77
Office Building	1000 ft ²	200	0.86	0.45
Professional Building	1000 ft ²	300	1.29	0.68
Restaurant	1000 ft ²	1,000	16.68	5.00
Indoor Theatre	1000 ft ²	125	0.54	0.28
Car Wash				
Tunnel - No Recycling	1000 ft ²	3,700	15.86	8.33
Tunnel - Recycling	1000 ft ²	2,700	11.74	6.16
Wand	1000 ft ²	700	3.00	1.58
Financial Institution	1000 ft ²	100	0.43	0.23
Service Shop	1000 ft ²	100	0.43	0.23
Animal Kennels	1000 ft ²	100	0.43	0.23
Service Station	1000 ft ²	100	0.43	0.23
Auto Sales/Repair	1000 ft ²	100	0.43	0.23
Wholesale Outlet	1000 ft ²	100	0.43	0.23
Nursery/Greenhouse	1000 ft ²	25	0.11	0.06
Manufacturing	1000 ft ²	200	1.86	0.70
Dry Manufacturing	1000 ft ²	25	0.23	0.09
Lumber Yard	1000 ft ²	25	0.23	0.09
Warehousing	1000 ft ²	25	0.23	0.09
Open Storage	1000 ft ²	25	0.23	0.09
Drive-in Theatre	1000 ft ²	20	0.09	0.05

TABLE 1
(continued)
LOADINGS FOR EACH CLASS OF LAND USE

<u>DESCRIPTION</u>	<u>UNIT OF MEASURE</u>	<u>FLOW (Gallons Per Day)</u>	<u>COD (Pounds Per Day)</u>	<u>SUSPENDED SOLIDS (Pounds Per Day)</u>
COMMERCIAL				
Night Club	1000 ft ²	350	1.50	0.79
Bowling/Skating	1000 ft ²	150	1.76	0.55
Club	1000 ft ²	125	0.54	0.27
Auditorium, Amusement	1000 ft ²	350	1.50	0.79
Golf Course, Camp, and Park (Structures and Improvements	1000 ft ²	100	0.43	0.23
Recreational Vehicle Park	No. of Spaces	55	0.34	0.14
Convalescent Home	Bed	125	0.54	0.28
Laundry	1000 ft ²	3,825	16.40	8.61
Mortuary/Cemetery	1000 ft ²	100	1.33	0.67
Health Spa, Gymnasium				
With Showers	1000 ft ²	600	2.58	1.35
Without Showers	1000 ft ²	300	1.29	0.68
Convention Center, Fairground, Racetrack, Sports Stadium/Arena	Average Daily Attendance	10	0.04	0.02
INSTITUTIONAL				
College/University	Student	20	0.09	0.05
Private School	1000 ft ²	200	0.86	0.45
Church	1000 ft ²	50	0.21	0.11

Appendix B

West Basin Adjudication

1
2
3 Judgment entered
4 August 22, 1961
5 Book 4291,
6 Page 62
7

8 IN THE SUPERIOR COURT OF THE STATE OF CALIFORNIA
9 IN AND FOR THE COUNTY OF LOS ANGELES
10

11 CALIFORNIA WATER SERVICE COMPANY, et al,)

12 Plaintiffs.)

13 vs.)

14 CITY OF COMPTON, et al,)

15 Defendants.)
16

No. 506,806

JUDGMENT

17
18 The above-entitled matter came on regularly for further
19 trial before the Honorable George Francis, Judge of the Superior
20 Court of the State of California, assigned by the Chairman of
21 the Judicial Council to sit in this case on Friday the 21st
22 day of July, 1961. Thereupon plaintiffs filed a dismissal of
23 the action as to certain defendants named in the Complaint,
24 and in the amended Complaint herein who are not mentioned or
25 referred to in Paragraph IV of this Judgment, and the further
26 trial of the action proceeded in respect to the remaining
27 parties.

28 Oral and documentary evidence was introduced, and the
29 matter was submitted to the Court for decision. The Court having
30 made and filed its Findings of Fact and Conclusions of Law:

31 NOW, THEREFORE, IT IS HEREBY ORDERED, ADJUDGED AND DECREED
32 AS FOLLOWS:

I

There exists in the County of Los Angeles, State of California, an underground water basin or reservoir known and hereinafter referred to as "West Coast Basin" or the "Basin," and the boundaries thereof are described as follows:

Commencing at a point in the Baldwin Hills about 1300 feet north and about 100 feet west of the intersection of Marvale Drive and Northridge Drive; thence through a point about 200 feet northeasterly along Northridge Drive from the intersection of Marvale and Northridge Drives to the base of the escarpment of the Potrero fault; thence along the base of the escarpment of the Potrero fault in a straight line passing through a point about 200 feet south of the intersection of Century and Crenshaw Boulevards and extending about 2650 feet beyond this point to the southerly end of the Potrero escarpment; thence from the southerly end of the Potrero escarpment in a line passing about 700 feet south of the intersection of Western Avenue and Imperial Boulevard and about 400 feet north of the intersection of El Segundo Boulevard and Vermont Avenue and about 1700 feet south of the intersection of El Segundo Boulevard and Figueroa Street to the northerly end of the escarpment of the Avalon-Compton fault at a point on said fault about 700 feet west of the intersection of Avalon Boulevard and Rosecrans Avenue; thence along the escarpment of the Avalon-Compton fault to a point in the Dominguez Hills located about 1300 feet north and about 850 feet west of the intersection of Central Avenue and Victoria Street; thence along the crest of the Dominguez Hills in a straight line to a point on Alameda Street about 2900

1 feet north of Del Amo Boulevard as measured along
2 Alameda Street; thence in a straight line extending
3 through a point located on Del Amo Boulevard about
4 900 feet west of the Pacific Electric Railway to a
5 point about 100 feet north and west of the intersec-
6 tion of Dixby Road and Del Mar Avenue; thence in a
7 straight line to a point located about 750 feet west
8 and about 730 feet south of the intersection of Wardlow
9 Road and Long Beach Boulevard at the escarpment of the
10 Cherry Hill fault; thence along the escarpment of the
11 Cherry Hill fault through the intersection of Orange
12 Avenue and Willow Street to a point about 400 feet east
13 of the intersection of Walnut and Creston Avenues; thence
14 to a point on Pacific Coast Highway about 300 feet west
15 of its intersection with Obispo Avenue; thence along
16 Pacific Coast Highway easterly to a point located about
17 650 feet west of the intersection of the center line of
18 said Pacific Coast Highway with the intersection of the
19 center line of Lakewood Boulevard; thence along the
20 escarpment of the Reservoir Hill fault to a point about
21 650 feet north and about 700 feet east of the intersection
22 of Anaheim Street and Ximeno Avenue; thence along the
23 trace of said Reservoir Hill fault to a point on the Los
24 Angeles - Orange County line about 1700 feet northeast
25 of the Long Beach City limit measured along the County
26 line; thence along said Los Angeles - Orange County line
27 in a southwesterly direction to the shore line of the
28 Pacific Ocean; thence in a northerly and westerly direc-
29 tion along the shore line of the Pacific Ocean to the
30 intersection of said shore line with the southerly end
31 of the drainage divide of the Palos Verdes Hills; thence
32 along the drainage divide of the Palos Verdes Hills to

1 the intersection of the northerly end of said drainage
2 divide with the shore line of the Pacific Ocean; thence
3 northerly along the shore line of the Pacific Ocean to the
4 intersection of said shore line with the westerly projec-
5 tion of the crest of the Ballona escarpment; thence easterly
6 along the crest of the Ballona escarpment to the mouth of
7 Centinela Creek; thence easterly from the mouth of
8 Centinela Creek across the Baldwin Hills in a line encom-
9 passing the entire watershed of Centinela Creek to the
10 point of beginning.

11 The area included within the foregoing boundaries is approx-
12 imately 101,000 acres in extent.

13 II

14 A water year, as that term is used herein, is a twelve-
15 month period beginning October 1 and ending September 30.

16 III

17 The Watermaster shall be the Department of Water Resources
18 of the State of California, to serve at the pleasure of the Court,
19 and said Watermaster shall administer and enforce the provisions
20 of this judgment and the instructions and subsequent orders of
21 this Court, and shall have the powers and duties hereinafter set
22 forth. If any such provisions, instructions or orders of the
23 Court shall have been disobeyed and disregarded, said Watermaster
24 is hereby empowered to report to the Court such fact and the
25 circumstances connected therewith and leading thereto.

26 IV

27 Certain of the parties to this action have no right to
28 extract water from the Basin. The name of each of said parties
29 is listed below with a zero following his name, and the absence
30 of such right in said parties is hereby established and declared.
31 Certain of the parties to this action and/or their successors in
32 interest are the owners of rights to extract water from the Basin,

1 which rights are of the same legal force and effect and without
2 priority with reference to each other, and the amount of such
3 rights, stated in acre-feet per year, hereinafter referred to as
4 "Adjudicated Rights" is listed below following such parties'
5 names, and the rights of the last-mentioned parties are hereby
6 declared and established accordingly. Provided, however, that
7 the Adjudicated Rights so declared and established shall be
8 subject to the condition that the water, when used, shall be put
9 to beneficial use through reasonable methods of use and reason-
10 able methods of diversion; and provided further that the exercise
11 of all of said rights shall be subject to a pro rata reduction,
12 if such reduction is required, to preserve said Basin as a common
13 source of water supply. The parties hereinafter listed whose
14 names are preceded by an asterisk (*) have approved the Exchange
15 Pool Provisions contained in paragraphs 7 to 14, both inclusive,
16 of the Agreement and Stipulation for Judgment filed herein.

17	<u>PARTY</u>	<u>ADJUDICATED RIGHT</u>
18	<u>AND SUCCESSOR, IF ANY</u>	
19	JOE ABEGG	0
20	FRANK ABELL	1.8
21	ALEXANDER ABERCROMBY	0
22	Henry Abercromby	
23	one Fred Roland Cooper	
	one Ted R. Cooper	
	one Roy F. Knapp	
24	AIRWAYS WATER COMPANY (Incorporated)	0
25	H. A. ALLEN	0
26	*ALLIED CHEMICAL CORPORATION, a	255.0
27	corporation, formerly General	
	Chemical Company	
28	ALUMINUM COMPANY OF AMERICA	0
29	one U.S. Navy Department	1.7
30	AMERICAN RADIATOR & STANDARD SANITARY	0
	CORPORATION, a corporation	

31
32

1	*REMBERT C. ANDERSON	80.5
	*Allen W. Ashburn	
2	*Ann F. Ashburn	
	*Martha D. Bingham	
3	*Laura Bonanno	
	*Louise Casey also known as	
4	*Louise Casey Gibson	
	*Ruby Decius sued as Jane Doe 19	
5	*Ruby F. Joel	
	*Catherine Lass sued as Jane Doe 18	
6	*Catherine B. Maddox	
	*Louisa Watson sued as Jane Doe 17	
7	*Hazel Parsons	
	*J. W. Parsons	
8	*Myrtle Mae Parsons	
	*Alexander Poggi	
9	*One Freda E. Poggi	
	*Mary Richley sued as Jane Doe 16	
10	*Devisees of Gurney E. Newlin, deceased, to wit:	
11	*Helen Newlin Hastings	
	*Robert Pusey Hastings	
12	*Thomas Newlin Hastings	
	*Helen Hastings Schribner	
13	*Edith Hastings Murphy	
	*George R. Bell, Jr.	
14	*Thomas Elwood Bell	
15	KATHLEEN M. ASHBROOK, formerly	0
	Kathleen M. Davies	
16	one J & E Investment Co.	
17	ATCHISON, TOPEKA & SANTA FE RAILWAY	0
	COMPANY, (The), a corporation	
18	AZEVEDO ESTATE COMPANY, a corporation	0
19	JOHN AZVEDO	0
20	WM. D. BAILEY	0
21	Harry C. Cain	
	Jesse E. Cain	
22	Dorothy Luther sued as Dorothy F. Luther	
	Harold M. Luther	
23	E. W. BALDWIN	0
24	FRANK A. BALLMAN and ROSEMARY N. BALLMAN	7.0
25	<i>Successors of Dow Chemical Company, a Corporation</i>	
26	BANK OF AMERICA NATIONAL TRUST AND	0
	SAVINGS ASSOCIATION, as Trustee	
	(under its Trust BI-100)	
27	BANK OF AMERICA NATIONAL TRUST AND	0.1
28	SAVINGS ASSOCIATION, as Trustee	
	(under its Trust BI-51)	
29	GEORGE W. BARNARD and JOSEPH A. BARNARD,	0
30	as Trustees under the last will and	
	testament of ANNIE E. BARNARD	
31	one Fritz B. Burns.	
32	MRS. ANNA T. BARNES	0
	one Alfred O. Barnes	

1	G. A. BAUMAN	0
2	JOHN H. BECHTEL one Riverside Cement Company	0
3	BEGO CORPORATION, a corporation	0
4	one Arthur J. Delaney	4.1
5	J. W. BELLES	0
6	one L. W. Mason one S. M. Mason	
7	BELVIDERE MUTUAL WATER COMPANY	33.4
8	JAMES BERARDINO, sued as James Bernardino and	0
9	Jim Berardino, sued as Jim Bernardino	
10	P. BERDOLLT	0
11	T. J. Heithold	
12	A. M. BERNARD	0
13	one Moneta Gardens, Inc., a corporation	
14	H. W. BEST	0
15	LOUIS BIZEGO	0
16	ALEXANDER R. BLACK	0
17	one Liberty Investment Company	
18	ARTHUR A. BLAIN, SR., sued as A. A. Blain	0
19	N. J. BLAIS	0
20	one Michael Chuchor one Albert J. Sahn	
21	H. H. BLAKE	0
22	one Pearl E. Grady	
23	ARNOLD BLOEMSMA, sued as Arnold Bloesma	0
24	BODGER REALTY COMPANY, (The), a corporation	0
25	COLIN J. BOONE	0
26	Clarence J. Lamb Lora Lamb	
27	ANNA BOONSTRA	0
28	Tedde Boonstra one M. V. Deniz	
29	CHARLES P. BOWMAN, sued as Pat Bowen	0
30	Ann Bowman one Harlan T. Maples	
31	WAYNE E. BROOKS	0
32	one Artie Waller one V. W. Waller	

1	CARL L. BROWN	0
2	EDA BUCKMASTER	0
	Rose Faure	
3	Frank X. Girard	
	Julia Girard	
4	John Oddoris	
	Paul Oddoris	
5	Marie Girard Seal sued as	
	Marie Girard	
6	one Frank Girard	
7	BULTRY CORPORATION, a corporation	0
	one Paul E. Black	
8	One Ronald L. Black	
9	E. D. BURKE, sued as	0
	E. W. Burke	
10	*W. F. BURKE	9.5
11	Lois Price Burke, sued as Jane Doe 14	
12	M. P. BUTTE	0
13	*CALIFORNIA WATER SERVICE COMPANY, a corporation - 107 S Catalina Ave, Redondo Beach	3071.0
14	HUGH N. CAMERON	0
15	Ysaburo Mishima	
	Satsuki Mishima	
16	JACK C. CARLTON	0
17	ELOISE CARRELL	0
18	FRANK R. CARRELL, estate	0
19	Tom Ware and James Blake,	
	as co-executors of the last	
20	will & testament of Frank R. Carrell,	
	deceased.	
21	*CARSON ESTATE COMPANY	130.0
22	J. F. CAVANAUGH	0
23	CENTINELA VALLEY UNION HIGH SCHOOL DISTRICT	0
24	MARY RIORDAN CHAMBERS, sued as	0
25	Mary R. Chambers	
26	MARY R. CHAMBERS AND	
	DAN MURPHY COMPANY, a corporation	0
27	*CHANSLOP-CANFIELD MIDWAY OIL CO.	104.0
28	Now Chanslor-Western Oil & Development Co.	
29	CLEM CHRISTIE	0
30	~~CLEM CHRISTIE, DON C. FOHL AND~~	~~00~~
31	~~LEON LARSON~~	~~00~~
32	~~As Trustees of the Wilmington Cemetery Association~~	~~00~~

*Disclaimed
Oct. 17, 1961
C.M.*

1	JENNIE M. CLARK	0
2	WILFORD H. CLARK, sued as	0
3	W. H. Clark and Ida E. Clark, sued as Jane Doe 1	
4	MRS. LOIS CLIFT	0
5	COAST INVESTMENT COMPANY, a corporation	0
6	EDMOND S. COLLINS	0
7	LILY COLTRIN	0
8	COLUMBIA BROADCASTING SYSTEMS, INC.,	18.5
9	sued as Columbia Broadcasting Co.	
10	COMMUNITY AIRPORTS, INC., a corporation	0
11	V. G. COMPARETTE	0
12	CITY OF COMPTON	0
13	COMPTON BRICK & TILE COMPANY, a corporation	0
14	COMPTON UNION HIGH SCHOOL DISTRICT	0
15	F. A. CONOVER	0
16	A. CORTRITE	0
17	EDWARD COST and EMILY COST, sued as Emily Costa	7.4
18	ERNEST COST	0
19	DANIEL CROWLEY	0
20	OWEN W. CURTIS	3.8
21	LOUIS DALLAPE, sued as	0
22	Louis Dallapi	
23	TOM DALLAPE	0
24	MIKE DARBEAIAN, sued as	0
25	John Doe 25	
26	LUIGI DeBARNARDI	0
27	GERASIMOS K. DEFTERIOS	0
28	one Anna G. Defterios	
29	*DEL AMO ESTATE COMPANY	121.0
30	HENRY M. DENISON	0
31	one Frank A. Basso	
32	FRANK DERMODY	0

1	G. DIBLE	0
2	MRS. H. DIEGO	0
3	JOHN DIONNE	0
4	one Eleanor G. Dreher	
	LEESA DOMBROWSKI	0
5	one Dartmouth Homes, Inc.	
6	*DOMINGUEZ ESTATE COMPANY	254.0
7	*DOMINGUEZ WATER CORPORATION	9477.8
8	MRS. RAY DONALD	0
9	one Pauline H. Wilson	
10	THE DOW CHEMICAL CO., a corporation	0
11	CRISTINA O. DRALE	0
	O'Brien Z. Drale	
12	CHAS. L. DRAPER,	0
13	one James H. Alleman	
14	one Flora M. Draper	
15	one Bernice Alleman	
16	Bess M. Feder	
17	Ben T. Johnston	
18	Genevieve K. Miles	
19	Ikuko Nakawatse	
20	Frank Wirz	
21	one Allcast Foundry	7.2
22	A. J. DURAND	0
23	DAISY EARLY	111.0
24	H. J. Early and one Vickers, Inc.	
25	EAST GARDENA WATER COMPANY	0
26	EDISON SECURITIES COMPANY, a corporation	46.7
27	sued as Richard Roe Company 13	
28	C. O. EDWARDS	0
29	W. J. Edwards	
30	EL CAMINO JUNIOR COLLEGE DISTRICT	0
31	LATHROP M. ELLINWOOD	0
32	one Isamu Kita	
33	one Kazuo Kita	
34	one Yoshiki R. Kita	32.6
35	CLINTON C. ELLIOTT, sued as	0
36	C. C. Eliot	
37	Georgia M. Elliott	
38	Julius G. Elliott	
39	Frank M. Elliott	
40	*CITY OF EL SEGUNDO	953.0
41	EL SEGUNDO LAND & IMPROVEMENT COMPANY,	0
42	a corporation	

1	GEORGE ENGLAND	0
2	CAROLINE ETCEHEMENDY, sued as	8.2
3	Jane Doe 12	
4	Mariana T. Etchemendy, sued	
5	as Jane Doe 11	
6	* CARMELITA ROSECRANS EWING, sued as	91.3
7	C. F. Rosecrans and * Per letter dated Oct. 26, 1961	
8	W. S. Rosecrans * Nov. 2, 1961 C # 17280	
9	OSCAR FALCINELLA & MIKE FALCINELLA	0
10	FRED FIESEL	0
11	MAXWELL C. KING	0
12	JAMES L. FITTINGER	0
13	* FLETCHER OIL COMPANY, a corporation	86.3
14	composed of D. S. Fletcher	
15	F. O. Fletcher	
16	Helen Fletcher O'Connell and	
17	Idaho Fidelity Corporation	
18	ROLLA FORD	0
19	FOX HILLS COUNTRY CLUB	0
20	TONY FRIETAS	0
21	W. J. FROGGE	0
22	one Sigmund S. Hockwold	
23	one Lionel S. Hockwold	12.5
24	HERBERT SAKAYE FUKUWA	0
25	A. O. FULLER	0
26	Helene M. Fuller	
27	ROBERT L. FULLIOVE	1.0
28	JOE GALDARISI	0
29	Brody Investment Company	
30	AMADOR GARCIA	0
31	Eva Garcia	
32	ARTHUR B. GARCIA	0
33	Arthur D. Garcia, sued as	
34	June Garcia	
35	JOSE H. GARCIA	0
36	GARDENA SYNDICATE NO. 2	0
37	GARDENA WATER SUPPLY COMPANY	0
38	GAY LAND COMPANY, LTD., a corporation	0
39	V. M. GERAGOSIAN	0
40	one Stanley N. Lewis	
41	GEORGE F. GETTY, INC.	0

1	CAROLINA GIACIOMAZZI, sued as	0
	Mrs. C. Giacomagzi	
2	ALBERT GIANNI	0
3	AMANDA L. GILLINGHAM, sued as	0
4	Jane Doe 20	
	Floyd W. Gillingham, sued as	
5	(John Doe 24)	
	Josephine Gillingham, sued as	
6	(Jane Doe 21)	
7	*FLORENCE R. GILLINGHAM <i>Per letter dated Nov. 15, 1961</i>	2.4
	Thora Pursche	
8	~~Nellie P. Smith~~ <i>Deceased</i>	
	~~Anna M. Pursche~~ <i>Disclaimed Nov. 15, 1961</i>	
9	MRS. MATEA GIMINEZ	0
10	LALLA D. GODDARD	0
11	Ralf Goddard	
12	WM. H. GOLDSMITH	0
	Cliff Ralph	
13	FELIPE GONZALEZ	34.3
14	Gabriela Gonzales	
15	T. B. GOOSSEN	0
16	WILLIAM W. GORDON, sued as	0
	John Doe Gordon	
17	BERTHA GOSS	0
18	one Property Management Corporation	
19	GEORGE GRANDE	0
20	*JOHN GRANT <i>Per letter dated Nov. 3, 1961</i>	59.0
21	ISABELA GRANZ	380
	Andrew R. Joughin	
22	Minnie Joughin	
	George Riley Murdock, successor	
23	of Matilda J. Murdock	
	Lillian Murdock Sanborn, successor	
24	of Matilda J. Murdock	
	Emma J. Osborn	
25	Security-First National Bank, as	
	Trustee of Trust No. P 1734, sued as	
26	Farmers & Merchants National Bank of	
	Los Angeles, as Trustee John Joughin Tuttle	
27	(now Joughin Torrance Ranch)	
28	EDWARD I. GREEN, sued as	0
	E. J. Green	
29	one Florence D. Green	
30	PRICE W. GRESHAM	0
	Walter G. Gresham	
31	Comer J. Lewis	
	Voleta A. Lewis	
32		

1	BEATRICE S. GRIFFITH	0
2	W. P. Griffith one Otto K. Olessen	
3	B. H. GRIGGS	0
4	Olive W. Griggs	
5	JOSEPH M. GROSS, sued as	0
6	Joseph Gross	
7	Myron J. Glauber, sued as	
8	John Doe 20, Clarence L. Brown, sued as John Doe 21, and Perfect Properties Inc., a corporation sued as Richard Roe Co. 20.	
9	HENRY M. GUENSER	0
10	Sophia E. Guenser	
11	DANIEL GUIDOTTI	0
12	CHAS. N. HAIGHT	0
13	One Grace P. Warden	
14	RAYMOND R. HAILS	0
15	WALTER HAMMOND	0
16	one Contractor's Asphalt Products Co.	
17	HANCOCK CHEMICAL COMPANY, a corporation	0
18	HARBOR CITY DEVELOPMENT COMPANY	0
19	R. B. HARDING	0
20	*ROY W. HARRIS	0
21	HARRIS PUMPING PLANT	0
22	Leesa Dombrowski	
23	Carl G. Pursche	
24	Anna M. Pursche	
25	Harry Krumdick	
26	Anna Doherty	
27	Mrs. Frank Cota	
28	Holly Corporation, a corporation	
29	Homer Bales and Ernest Haughton dba and sued as Pursche Water Co.	
30	W. HASEGAWA	0
31	one Kauffman, Milton, Construction Company, successor)	
32	C. R. HASKINS	0
33	FRED M. HAUT	0
34	one Ivy H. Haut	
35	CITY OF HAWTHORNE	1882.0
36	CHARLES R. HAYES	0
37	one Robert W. Colby	
38	one Fern M. Colby	

1	~~BEATRICE M. HENDERSON~~	~~1.3~~	<i>Disclaimed by Mr. dated Oct. 23, 1961 CS 1759</i>
2	DAVID P. HEREDIA	0	
3	E. N. HERMAN	0	
4	JULIA HERMANSEN	0	
5	AUGUST HERZOG one Martha Herzog	0	
6	HILLSIDE MEMORIAL PARK, a corporation	16.7	
7	MARY N. HILYARD, sued as Jane Doe 55	0	
8	Mrs. Monta Templeton, sued as Jane Doe 56		
9	HENRY HIMMELFARE	0	
10	Wm. Pirk one Western Air Compressor Company		
11	T. E. HODNEFIELD	0	
12	MARIE C. HOFFMAN	0	
13	Los Angeles City School District, successor		
14	J. P. HOEPTNER	0	
15	Ida B. Hoeptner one Jack I. Gantz one Lillian H. Gantz		
16	CLIFFORD HOLLIDAY	0	
17	W. I. HOLLINGSWORTH	0	
18	one Julius L. Jenkins one Evelyn M. Jenkins		
19	*HOLLYWOOD TURF CLUB, a corporation	282.0	
20	WILBUR HORNSTRA	14.1	
21	C. L. HUDSON	0	
22	~~HUGHES-TEEL-COMPANY-----~~	~~0~~	
23	<i>Dismissed G.F.</i>		
24	ARTHUR C. HURT one Truman Enterprises, Inc.	0	
25	DON C. HADLEY	0	
26	one D. W. Sleet one Virgie Sleet		
27	*CITY OF INGLEWOOD	4382.0	
28	INGLEWOOD PARK CEMETERY ASSOCIATION, a corporation sued as Inglewood Park	0	
29	Mortuary Assoc.		
30	YOSHI INOSE	0	
31	one Seijiro Inose		
32	F. C. IRVINE	0	

1	FRED IWATA	0
	John Iwata	
2	J. B. D. HOLDING CORP., a	0
3	corporation	
4	*JOHNS-MANVILLE PRODUCTS CORPORATION	881.0
5	C. F. JOHNSON	0
	one Kaoru Wada	
6	one Satoru Wada	12.2
7	A. S. JOHNSTON DRILLING COMPANY, a	11.9
8	corporation	
	O. T. JOHNSON CORPORATION	0
9	A. P. Johnson Company sued as,	
10	Richard Roe Company One	
11	*ANNA MAE JONES, successor to Anne Taylor, deceased (sued herein as Anna Taylor)	50.2
12		
13	E. F. JONES	0
14	W. H. JONES	0
	one Leon A. Carpenter and	
15	Darline N. Carpenter, successors	
16	JOSHUA-HENDY IRON WORKS	0
17	DORA A. KAHLER	0
18	OSCAR E. KARR	0
	Sherley Karr	
19	CHESTER L. KEHN	0
20	K. L. KELLOGG & SONS, a corporation	0
21	KELLY PIPE COMPANY, a corporation	49.0
22	LOUIS KELTON	0
23	W. G. KILLINGER	0
	one Esther N. Lee	
24	JEANETTE B. KINCAID	0
25	one Fred F. Hoyt	
26	one Yvonne A. Hoyt	
27	SARAH S. KING	0
	one Crawford Building Corporation	
28	JOHN KRAUSS	0
	Dan E. Vail and Barbara M. Vail	
29	CHARLES KULL	0
30	GLADYS KURTZ	3.5
31	JOHN LAMPO	0
32		

1	*MAGNUS C. LARSEN, sued as	0
2	M. Larsen	
3	NELS LAUTRUP	0
4	*JAMES K. LAWLER, Estate	3.1
5	LAWNDALE (CITY) SCHOOL DISTRICT	0
6	OF LOS ANGELES COUNTY, sued as	
7	Richard Roe Company 12	
8	ANNA LEACH	0
9	JOE LEONARDO	0
10	*A. LERMENS <i>Per Hr. dated Nov. 3, 1961</i>	0.7
11	EMMA L. LENZINGER, sued as	1.4
12	Mrs. E. L. Leuzinger	
13	*LAWRENCE LISTON <i>Per Hr. dated Oct. 25, 1961 C.S. 1787</i>	.7
14	PAT LIZZA	0
15	BEN LONG	0
16	Persilla Long, sued as Pricilla	
17	Long	
18	JOHN LONG	0
19	CITY OF LONG BEACH	0.7
20	FRANK LOPEZ	3.7
21	MANUEL LOPEZ	0
22	one Rudolph E. Lopez	
23	COUNTY OF LOS ANGELES	28.7
24	THE CITY OF LOS ANGELES	1503.0
25	LOS ANGELES CITY SCHOOL DISTRICT	0
26	LOS ANGELES COUNTY FLOOD CONTROL	37.6
27	DISTRICT	
28	*LOS ANGELES COUNTY SANITATION DISTRICT	102.0
29	No. 2, sued as Los Angeles County	
30	Sanitary District No. 2	
31	LOS ANGELES COUNTY WATER WORKS, DISTRICT	0
32	No. 1	
33	LOS ANGELES COUNTY WATER WORKS, DISTRICT	1352.0
34	No. 13	
35	LOS ANGELES COUNTY WATER WORKS, DISTRICT	551.0
36	No. 22	
37	LOS ANGELES EXTENSION COMPANY	0
38	LOS ANGELES INVESTMENT COMPANY	0

1	LOS NIETOS COMPANY, a corporation	0
2	LOYOLA UNIVERSITY FOUNDATION	0
3	*LOYOLA UNIVERSITY OF LOS ANGELES, a corporation <i>Per Hrs. Dated Nov. 16, 1961</i>	48.1
4	LORENA MacLEAN	0
5	one Torrance Land Company	
6	PETE MADRIGAL	0
7	S. W. MAGALLANES	0
8	MANCHESTER AVENUE COMPANY, a corporation	0
9	one Inglewood Golf Course, a partnership	
10	*MANHATTAN BEACH, CITY OF	1131.2
11	H. C. MARCH	0
12	one Victory Oil Company	
13	P. T. MARTIN	0
14	one Arlington Garden Homes Company	
15	HOWARD DOUGLAS MARTZ	0
16	James L. Martz	
17	Louise H. Martz	
18	RAY F. MATSON, sued as	0
19	R. F. Matson	
20	Florence M. Nielsen	
21	FRED MAU	0
22	*JAMES McCANDLESS	6.7
23	ETHEL McClAIN	0
24	G. A. McCRACKIN, sued as	0
25	G. A. Mc Cracken	
26	M. F. McCULLEY	0
27	J. J. McGRANAGHAN	0
28	IVAN J. McKERNON	0
29	one Doris E. Parks	
30	one L. Kenneth Parks	
31	AIMEE R. MEANS	0
32	one Prarie Company	
33	PAUL MESPLOU	0
34	J. J. METZLER	0
35	one Kenji Yokoyama and	
36	one Miyeko Yokoyama	
37	E. B. MILBURN	0
38	One M. Y. Yamane	

1	CARL H. MILLER	0
2	MINNEAPOLIS-HONEYWELL REGULATOR COMPANY	0
3	APPLIANCE CONTROLS DIVISION	
4	YSABURO MISHIMA and SATSUKI MISHIMA	0
4	Hugh N. Cameron	
5	O. MOEN	0
6	P. E. MOLINE	0
7	MONETA MUTUAL WATER COMPANY	916.0
8	JOE MONIZ JR., sued as	2.2
8	Joe Moniz	
9	one Rose Moniz	
10	B. R. MOODY	0
11	one Opal B. Edwards	
12	J. B. MOORE	0
13	MAMIE S. MOORE	0
14	ALICE MORRISON	0
14	Ethel Morrison	
15	A. H. MORSE	0
16	one J. J. Lapidus	
16	one B. C. Investment Co., Inc.	
17	HAROLD C. MORTON, sued as	0
18	Harold Morton	
18	one Allied Gardens Corporation	
19	V. G. MOTT	0
20	ARNOLD W. MUELLER	0
21	Ruth Mueller	
22	SUMIYE NAGAO	0
23	HIROSHIMA NAKAMURA	0
24	KIKUNO NAKANO	19.3
24	Ben Nakano	
25	George Nakano	
25	Helen Nakano	
26	Kan Nakano	
26	Mary Nakano	
27	Taka Nakano	
27	Misao Nakano Nakashima	
28	NARBONNE RANCH WATER CO. No. 2	0
29	NARBONNE RANCH WATER CO. No. 3	0
30	NATIONAL ELECTRIC PRODUCTS CORP.	0
31	NATIONAL ROYALTIES, INC., a Corporation	0
32		

1	T. C. NAVARRO	0
2	one Hilario S. Alwag	53.9
	one Emma Alwag	
3	A. L. NELSON	0
4	Olar Nelson	
	one George C. Orr	
5	EDWARD NICKEL	0
6	HENRY W. NICKEN, sued as	0
	H. W. Nielsen	
7	one Kenneth D. Durian	
8	J. E. NORMINGTON	0
9	NORTH AMERICAN AVIATION, INC.,	0
	a corporation	
10	NORTHROP AIRCRAFT INCORPORATED	38.15
11	WARREN J. OGLE	0
12	JACK ORESKOVICH	0
13	Harold Walsh	
	one Harold D. Walsh	
14	one Marie L. Walsh	
15	CHISATO OTANI, sued as	0
	John Doe 57	
16	PACIFIC CREST CEMETERY COMPANY,	17.7
17	Incorporated	
18	PACIFIC ELECTRIC RAILWAY COMPANY	0
19	PACIFIC WESTERN OIL CORPORATION,	0
	a corporation	
20	PALISADES DEL REY WATER COMPANY	0
21	(Included in City of Los Angeles)	
22	E. PALMER	0
23	*PALOS VERDES WATER COMPANY, a Corporation	999.0
24	G. L. PARCELL and MARGARET PARCELL	0
	one Rosie L. Kent	
25	*PARK WATER COMPANY <i>per Htr. dated Oct. 23, 1961</i>	160.0
26		<i>C.S. 1757</i>
27	MRS. ZORAIDA PARKE	1.8
28	~~WM. JOSEPH PASCHKE~~	~~.02~~ <i>Disclaimed by Wilmington Cemetery Oct. 17, 1961</i>
29	ROY PATTERSON	0
30	JOHN PAULIC	0
	one John W. Taylor	
31	DAVE PEREZ	0
	Apuleyo Villagomez	
32	sued as A. Villagomez	

1	PERRY SCHOOL DISTRICT OF LOS ANGELES	0
2	COUNTY	
3	WM. C. PETERSON	0
4	A. E. PHILLO	0
5	PIONEER DRILLING COMPANY, a corporation	0
6	one Southern Heater Corp.	
7	EDWARD A. PITTS	0
8	one Clarence E. Harrison	
9	one Martha E. Harrison	
10	FRANK X. PRICE	0
11	CARL G. PURSCHE AND CARL P. PURSCHE	0
12	doing business as Pursche Pumping Plant	
13	Carl G. Pursche	
14	Thora Pursche	
15	Anna M. Pursche	
16	one Guarantee Development Co.	
17	CHARLES H. QUANDT, sued as	0
18	Charles A. Quandt	
19	RICHARD QUINN	0
20	Martha Quinn	
21	JOE B. RAMOS	0
22	RANCHO MUTUAL WATER COMPANY	0
23	J. K. RAVEN	0
24	one Andrea S. Teran	
25	ELIZABETH E. REED, sued and formerly	0
26	known as Elizabeth Edna Baker and	
27	Josephine Eilers for whom	
28	Dominguez Estate Company has	
29	been substituted	
30	FRANK REHOR	0
31	one Josephine P. Rehor	2.2
32	LUCILLE G. REID	0
33	Ogden G. Reid	
34	JEANETTE REIFSNYDER, also known as	0.7
35	Jeanette Avant, and also known as	
36	Jeanette Heydenbeck	
37	Calvin Wilson	
38	Edward E. Wilson, Jr.	
39	Harry R. Wilson	
40	Harry R. Wilson and Jeanette	
41	Reifsnyder, also known as Jeanette	
42	Avant, as executors of the estate	
43	of Jeanette C. Wilson, deceased.	
44	Harry R. Wilson and Jeanette	
45	Reifsnyder, also known as Jeanette	
46	Avant, as executors of the estate	
47	of Robert A. Wilson, deceased	

1	REPUBLIC PETROLEUM COMPANY	0
2	LEONCIE RICHARD, devisee of	0
3	Anna Richard, deceased, and	
4	Edward Richard, sued as	
5	John Doe Richard	
6	ROSE A. RICHARDSON AND WM. T.	0
7	RICHARDSON	
8	one South Normandie Manor, Inc.	
9	RICHFIELD OIL CORPORATION	4428.0
10	RING OIL COMPANY	0
11	*FLAVIO RODRIQUEZ <i>Per letter dated Nov. 15, 1961</i>	6.1
12	THE ROMAN CATHOLIC ARCHBISHOP OF	72.3
13	LOS ANGELES, a corporation sued	
14	as, Holy Cross Cemetery	
15	*ROOSEVELT MEMORIAL PARK ASSOCIATION	0
16	R. E. ROSE	0
17	Clara M. Rose sued as Jane Doe	8
18	L. D. ROSSER	0
19	ROYAL MUTUAL WATER COMPANY, a corporation	0
20	one Delmer D. Kern	
21	HOMER E. RUDD	0
22	one Kiyor Ide	
23	F. J. RUSS	0
24	one Ted Shpall	
25	one Sam H. Shpall	
26	RYAN AERONAUTICAL COMPANY, a corporation	20.2
27	YGNACIO SANDOVAL	0
28	C. W. SANGER	0
29	one Gardena Valley Homes, Inc.	
30	*SANTA FE LAND IMPROVEMENT COMPANY	39.5
31	JAMES SCANDA, sued as	1.9
32	James Scander	
33	George Nasim	
34	FLOYD H. SCHENK, JR.	0
35	Cora A. Schenk	
36	KEITH W. SCHLAEGEL	13.6
37	Opal B. Schlaegel	
38	EDYTHE L. SCHLAEGETER	0
39	one James Murakami	
40	C. SCHRECKENGAST	0
41	W. C. SCHULTZ	0

1	A. D. SEABACK	3.5
2	Ruth Seaback	
3	MARVIN SELOVER AND MARY ZWEITER	0
4	one Hitoshi Fujii	
5	one Toshije Fujii	
6	SENTOUS HOLDING COMPANY	0
7	L. M. SEPULVEDA	0
8	LOUIS M. SEPULVEDA AND SECURITY-FIRST NATIONAL BANK, as Trustees under the last will and testament of Roman D. Sepulveda, deceased	0.7
9	P. C. SERBIAN	0
10	Ruby H. Renfro	
11	W. H. SEWARD	0
12	one R. A. Watt Construction Co.	
13	JOHN SHAW	0
14	Phillip G. Shaw	
15	*CLYDE L. SHEETS	5.5
16	*SHELL OIL COMPANY	4516.0
17	J. M. SHEPHERD	0
18	JAMES W. SHIPMAN	0
19	one Osie R. Shipman	
20	SAM SHORT, sued as	0
21	Sam Sciortino	
22	ELDON B. SHURTLEFF	0
23	Marcelle Shurtleff	
24	one Barrett Development Corporation	
25	EDWARD ROY SIDEBOTHAM AND EDWARD SIDEBOTHAM & SON., INC., sued as	0
26	Edward Sidebotham	
27	MRS. MARY SILVA	0
28	one Norman A. Leiman	
29	JAMES SIOAN	0
30	A. H. SMITH	9.7
31	Sam Surber	
32	Freda Smith, sued as Jane Doe 9	
33	EUNICE P. SMITH	0
34	SOCONY MOBIL OIL COMPANY, INC.	2570.0
35	(Successor by merger to General Petroleum Corporation)	
36	SOUTH BAY UNION HIGH SCHOOL OF LOS ANGELES COUNTY, sued as Redondo Union High School District	0

1	*SOUTHERN CALIFORNIA EDISON COMPANY <i>Per Hr. doctd Nov. 13, 1961</i>	10.4
2	SOUTHERN CALIFORNIA WATER COMPANY	6265.3
3	*SOUTHERN PACIFIC COMPANY, sued as Southern Pacific Railroad Co.	166.0
4	SOUTHWEST PROPERTIES, INC., a corporation	0
5	*SOUTHWESTERN PORTLAND CEMENT COMPANY	0
6	a corporation <i>Per Hr. of 12-18-61</i>	
7	one Chandler Palos Verdes Sand and Gravel Corp.	15.0
8	SPANISH-AMERICAN INSTITUTE	44.4
9	*STANDARD OIL COMPANY OF CALIFORNIA	4541.7
10	*STAUFFER CHEMICAL COMPANY	521.0
11	E. R. STEPHENSON, sued as	0
12	E. R. Stevenson L. F. Stephenson	
13	MRS. A. V. STEWART	0
14	CLYDE C. STRUBLE	0
15	one Ames L. Avers one Clara Avers	
16	SUNSET OIL COMPANY, a corporation	0
17	THE SUPERIOR OIL COMPANY	0
18	LOUISE A. SUTHERLAND, sued as	0
19	Bertha L. Sutherland	
20	PEGGY SWICK	5.5
21	MARIE D. TAIX	0
22	Edith T. Viole, sued as Edith T. Violi	
23	TAKATOSHI TAMURA one State of California, successor	0
24	GEORGE TANAKA	0
25	Reiko Tanaka one Susumu Katsuda	
26	J. A. TEMPLETON	0
27	RUBY TERRY	0
28	one Reldon G. Pinney and one Nellie B. Pinney	
29	TEXACO INC., formerly	3432.0
30	THE TEXAS COMPANY	
31	RALPH THAXTER, sued as R. F. Thaxter	3.5
32		

1	THORSON HOMES, INC., a corporation	0
2	J. B. Investment Company, a corporation	
	Anaheim Construction Company, a corporation	
3	TIDEWATER OIL CO., sued as	167.0
	Tide Water Associated Oil Company	
4	*CITY OF TORRANCE, a municipal corporation	2519.0
5	TORRANCE UNIFIED SCHOOL DISTRICT	0
6	YING TOY	0
7	ALBERT A. TRAUB	0
8	Jane P. Traub	
9	one Baron Traub	
10	CLYFF A. TRIMBLE	0
	one Mary E. Trimble	
11	OSCAR E. TURNER	0
12	one Elizabeth Miller Kolb	
13	*UNION OIL COMPANY OF CALIFORNIA	2670.0
14	UNIVERSAL-CONSOLIDATED OIL COMPANY,	
	a corporation	0
15	*UNITED STATES STEEL CORPORATION	1791.0
16	Columbia-Geneva Steel Divn. successor by	
	merger to Columbia Steel Company	
17	JOSE URIBE	0
18	ANNA MAE USSERY and LAWRENCE USSERY	0
19	one Mike L. Herrback	
	one Rae Herrback	
20	HENRY VALDEZ	0
21	A. VAN VLIET	0
22	one Jake Zwaagstra and	
	one Jessie M. Zwaagstra	
23	VAN CAMP SEA FOOD COMPANY	0
24	WILLIAM VERBURG, sued as	6.7
25	Menlo Verburg and	
	Clara B. Verburg	
26	MARY VETTER	0
27	ENRIQUE A. VILLAGOMEZ	0
28	Ysabel F. Villagomez	
29	FRANK J. VOLIMER	0
30	EDWIN E. WAGNER	0
31	J. F. WAGNER	0
	one Orville N. Crafts	
32	JOSEPH F. WAGNER	0

1	E. J. WAIT	0
2	EARL C. WARD	0
3	DANIEL E. WARNER	0
4	JOSEPHINE WATKINSON	0
5	one Mates Tune et al	3.1
6	WATSON LAND CO. sued as Watson Estate Company	42.6
7	M. E. WEEKS	0
8	FRANK WESCOTT	0
9	WESTON INVESTMENT COMPANY, sued as Richard Roe Co. 2,	184.0
10	one K. S. Senness	
11	one Charles W. Shepard	
12	BEN WESTON	0
13	A. K. WILSON LUMBER COMPANY, a corporation one Martin Bros. Box Company of California	3.4
14	FRANK WIRZ	0
15	* WISEBURN SCHOOL DISTRICT <i>per Hr. Oct. 16, 1961</i>	8.2
16	P. J. WITTSTROM	0
17	CORA B. WOOLLEY, sued as	0
18	Cora B. Wooley	
19	T. W. WOODLAND	0
20	WOODLAND CEMETERY ASSOCIATION	0
21	KATHERINE P. WOODMAN, sued as	3.7
22	F. T. Woodman	
23	HENRY S. WOOLNER	0
24	MINNIE V. WREDEN	0
25	one Golden Monroe Homes, Inc.	
26	A. P. WRIGHT, sued as	0
27	Paul Wright	
28	MAXWELL ZIEGLER	0
29	MARY ZWEITER	0

V

Each of the parties hereto, their successors and assigns,
and each of their agents, employees, attorneys, and any and all
persons acting by, through, or under them or any of them, on

1 and after October 1, 1961, are and each of them is hereby
2 perpetually enjoined and restrained from pumping or otherwise
3 extracting from the Basin any water in excess of said party's
4 Adjudicated Rights, except as provided in paragraphs VI and VII
5 hereof.

6 VI

7 In order to add flexibility to the operation of this
8 judgment, each of the parties to this action who is adjudged
9 in paragraph IV hereof to have an Adjudicated Right and who,
10 during a water year, does not extract from the Basin all of
11 such party's Adjudicated Right, is permitted to carry over from
12 such water year the right to extract from the Basin in the next
13 succeeding water year an amount of Water equivalent to the
14 excess of his Adjudicated Right over his extraction during said
15 water year not to exceed, however, 10% of such party's
16 Adjudicated Right or two acre-feet, whichever is the larger.

17 In order to meet possible emergencies, each of the parties
18 to this action who is adjudged in paragraph IV hereof to have
19 an Adjudicated Right is permitted to extract from the Basin in
20 any water year for beneficial use an amount in excess of each
21 such party's Adjudicated Right not to exceed 2 acre-feet or ten
22 per cent (10%) of such party's Adjudicated Rights, whichever is
23 the larger, and in addition thereto, such greater amount as may
24 be approved by the Court. If such greater amount is recommended
25 by the Watermaster, such order of Court may be made ex parte.
26 Each such party so extracting water in excess of his Adjudicated
27 Rights shall be required to reduce his extractions below his
28 Adjudicated Rights by an equivalent amount in the water year
29 next following. Such requirement shall be subject to the
30 proviso that in the event the Court determines that such re-
31 duction will impose upon such a party, or others relying for
32 water service upon such party, an unreasonable hardship, the

1 Court may grant an extension of time within which such party
2 may be required to reduce his extractions by the amount of the
3 excess theretofore extracted by such party. If such extension
4 of time is recommended by the Watermaster, such order of Court
5 may be granted ex parte.

6 VII

7 The parties hereto whose names are preceded by an asterisk
8 (*) in paragraph IV hereof are signatories to the Agreement and
9 Stipulation for Judgment and have not specifically excepted to
10 the Exchange Pool Provisions thereof. The provisions of this
11 paragraph VII shall be binding upon and applicable to such
12 signatory parties and to such other parties as may elect to be
13 bound hereby, as hereinafter provided.

14 1. Not less than sixty (60) days prior to the beginning
15 of each water year, each party having water available to him
16 through then existing facilities, other than water which any
17 such party has the right to extract hereunder, shall file with
18 the Watermaster the offer of such party to release to the
19 Exchange Pool the amount by which such party's Adjudicated
20 Right exceeds one-half of the estimated total required use of
21 water by such party during the ensuing water year, provided
22 that the amount required to be so offered for release shall
23 not exceed the amount such party can replace with water so
24 available to him.

25 Such estimate of total required use and such mandatory
26 offer shall be made in good faith and shall state the basis on
27 which the offer is made, and shall be subject to review and
28 redetermination by the Watermaster, who may take into considera-
29 tion the prior use by such party for earlier water years and
30 all other factors indicating the amount of such total required
31 use and the availability of replacement water.

32

1 Any party filing an offer to release water under the
2 mandatory provisions of this paragraph VII may also file a
3 voluntary offer to release any part or all of any remaining
4 amount of water which such party has the right under this
5 judgment to pump or otherwise extract from the Basin, and any
6 party who is not required to file an offer to release water may
7 file a voluntary offer to release any part or all of the amount
8 of water which such party has the right under this judgment to
9 pump or otherwise extract from the Basin. All such voluntary
10 offers shall be made not less than sixty (60) days prior to
11 the beginning of each water year.

12 2. Each offer to release water under the foregoing sub-
13 paragraph shall be at the price per acre-foot declared and
14 determined at the time of the filing of such offer by the
15 releasing party; provided:

16 (a) That such price per acre-foot shall not
17 exceed the price which the releasing party would
18 have to pay to obtain from others, in equal monthly
19 amounts, through existing facilities, a quantity of
20 water equal in amount to that offered to be released, or

21 (b) If any such releasing party has no existing
22 facilities through which to obtain water from others,
23 such price shall not exceed the sum of the price per
24 acre-foot charged by The Metropolitan Water District
25 of Southern California to West Basin Municipal Water
26 District plus the additional amount per acre-foot
27 charged by the latter to municipalities and public
28 utilities for water received from The Metropolitan
29 Water District of Southern California.

30 3. In the event of a dispute as to any price at which
31 water is offered for release, any party affected thereby may,
32 within thirty (30) days thereafter, by an objection in writing,

1 refer the matter to the Watermaster for determination. Within
2 thirty (30) days after such objection is filed the Watermaster
3 shall consider said objection and shall make his finding as to
4 the price at which said water should be offered for release and
5 notify all interested parties thereof. Any party to these
6 Exchange Pool Provisions may file with the Court, within thirty
7 (30) days thereafter, any objection to such finding or deter-
8 mination of the Watermaster and bring the same on for hearing
9 before the Court at such time as the Court may direct, after
10 first having served said objection upon each of the interested
11 parties. The Court may affirm, modify, amend or overrule such
12 finding or determination of the Watermaster. Pending such
13 determination if the water so offered has been allocated, the
14 party making the offer shall be paid the price declared in his
15 offer, subject to appropriate adjustment upon final determina-
16 tion. The costs of such determination shall be apportioned or
17 assessed by the Watermaster in his discretion between or to the
18 parties to such dispute, and the Watermaster shall have the
19 power to require, at any time prior to making such determina-
20 tion, any party or parties to such dispute to deposit with the
21 Watermaster funds sufficient to pay the cost of such determina-
22 tion, subject to final adjustment and review by the Court as
23 provided in this paragraph.

24 4. Not less than sixty (60) days prior to the beginning
25 of each water year any party whose estimated required use of
26 water during the ensuing water year exceeds the sum of the
27 quantity of water which such party has the right under this
28 judgment to extract from the Basin and the quantity available
29 to him through then existing facilities, may file with the
30 Watermaster a request for the release of water in the amount
31 that his said estimated use exceeds his said available supply.
32 Such request shall be made in good faith and shall state the

1 basis upon which the request is made, and shall be subject to
2 review and redetermination by the Watermaster. Within thirty
3 (30) days thereafter the Watermaster shall advise, in writing,
4 those requesting water of the estimated price thereof. Any
5 party desiring to amend his request by reducing the amount re-
6 quested may do so after the service of such notice. Prior to
7 the first day of each water year the Watermaster shall determine
8 if sufficient water has been offered to satisfy all requests.
9 If he determines that sufficient water has not been offered he
10 shall reduce such requests pro rata in the proportion that each
11 requests bears to the total of all requests. Thereupon, not
12 later than said first day of each water year, he shall advise
13 all parties offering to release water of the quantities to be
14 released by each and accepted in the Exchange Pool and the price
15 at which such water is offered. Simultaneously, he shall advise
16 all parties requesting water of the quantities of released water
17 allocated from the Exchange Pool and to be taken by each party
18 and the price to be paid therefor.

19 5. In allocating water which has been offered for release
20 to the Exchange Pool under subparagraph 1, the Watermaster shall
21 first allocate that water required to be offered for release and
22 which is offered at the lowest price pursuant to subparagraph 2,
23 and progressively thereafter at the next lowest price or prices.
24 If the aggregate quantity of water required to be released is
25 less than the aggregate quantity of all request for the release
26 of water made pursuant to subparagraph 4, he shall then allocate
27 water voluntarily offered for release and which is offered at the
28 lowest price and progressively thereafter at the next lowest price
29 or prices, provided that the total allocation of water shall not
30 exceed the aggregate of all requests for the release of water.

31 Any water offered for release under subparagraph 1 hereof
32 and not accepted in the Exchange Pool and not allocated therefrom

1 shall be deemed not to have been offered for release and may be
2 extracted from the Basin by the party offering such water for
3 release as if the offer had not been made.

4 Each party requesting the release of water for his use and
5 to whom released water is allocated from the Exchange Pool may
6 thereafter, subject to all of the provisions of this judgment,
7 extract such allocated amount of water from the Basin, in addition
8 to the amount such party is otherwise entitled to extract here-
9 under during the water year for which the allocation is made.

10 6. From and after the first day of each water year, all
11 water extracted from the Basin by any party requesting the re-
12 lease of water and to whom water is allocated shall be deemed
13 to have been water released until the full amount released for
14 use by him shall have been taken, and no such party shall be
15 deemed to have extracted from the Basin any water under his own
16 right so to do until said amount of released water shall have
17 been extracted. Water extracted from the Basin by parties
18 pursuant to their request for the release of water shall be
19 deemed to have been taken by the offerors of such water under
20 their own rights to extract water from the Basin.

21 7. All parties allocated water under subparagraph 4 shall
22 pay a uniform price per acre-foot for such water, which price
23 shall be the weighted average of the prices at which the water
24 allocated was offered for release.

25 Each party shall pay to the Watermaster, in five equal
26 installments, an amount equal to the quantity of water allocated
27 to him multiplied by said uniform price. The Watermaster shall
28 bill each such party monthly for each such installment, the
29 first such billing to be made on or before the first day of
30 November of the water year involved, and payment therefor shall
31 be made to the Watermaster within thirty (30) days after the
32 service of each such statement. If such payment be not made

1 within said thirty (30) days such payment shall be delinquent
2 and a penalty shall be assessed thereon at the rate of 1% per
3 month until paid. Such delinquent payment, including penalty,
4 may be enforced against any party delinquent in payment by
5 execution or by suit commenced by the Watermaster or by any
6 party hereto for the benefit of the Watermaster.

7 Promptly upon receipt of such payment, the Watermaster shall
8 make payment for the water released and allocated, first, to the
9 party or parties which offered such water at the lowest price,
10 and then through successive higher offered prices up to the total
11 allocated.

12 8. Parties to this action who are not signatories to said
13 Agreement and Stipulation for Judgment, or who having signed
14 said Agreement have specifically excepted to the Exchange Pool
15 Provisions thereof, shall upon filing with this Court and with
16 the Watermaster their agreement to be bound by this paragraph VII,
17 be entitled to the benefits of and be obligated by the provisions
18 of this paragraph VII.

19 VIII

20 No taking of water under paragraph VII hereof, by any party
21 to this action shall constitute a taking adverse to any other
22 party; nor shall any party to this action have the right to plead
23 the statute of limitations or an estoppel against any other party
24 by reason of his said extracting of water from the Basin pursuant
25 to a request for the release of water; nor shall such release of
26 water to the Exchange Pool by any party constitute a forfeiture or
27 abandonment by such party of any part of his Adjudicated Right to
28 water; nor shall such release in anywise constitute a waiver of
29 such right, although such water, when released under the terms
30 of this judgment may be devoted to a public use; nor shall such
31 release of water by any such party in anywise obligate any party
32 so releasing to continue to release or furnish water to any other

1 party or his successor in interest, or to the public generally,
2 or to any part thereof, otherwise than as provided herein.

3 IX

4 In order to assist the Court in the administration and en-
5 forcement of the provisions of this judgment and to keep the
6 Court fully advised in the premises, the Watermaster shall have
7 the following duties in addition to those provided for elsewhere
8 herein:

9 1. The Watermaster may require each party, at such party's
10 own expense, to measure and record not more often than once a
11 month, the elevation of the static water level in such of his
12 wells in the Basin as are specified by the Watermaster.

13 2. The Watermaster may require any party hereto owning
14 any facilities for pumping or otherwise extracting water from
15 the Basin, at such party's own expense, to install and ^{at} all times
16 maintain in good working order mechanical measuring devices
17 approved by the Watermaster, and keep records of water production
18 required by the Watermaster through the use of such devices.]
19 However, if in the opinion of the Watermaster such mechanical
20 devices are not practicable or feasible, the Watermaster may
21 require such party to submit estimates of his water production,
22 together with such information and data as is used by such party
23 in making such estimate. Upon the failure of any party to install
24 such device or devices on or before the date the Watermaster shall
25 fix for such installation, or to provide the Watermaster with
26 estimates of water production and information on which such
27 estimates are based, the Watermaster may give the Court and the
28 party notice of such failure for proper action in the premises.

29 3. The Watermaster shall collect and assemble the records
30 and other data required of the parties hereto, and evaluate such
31 records and other data. Such records and other data shall be
32 open to inspection by any party hereto or his representative

1 during normal business hours.

2 4. The Watermaster shall prepare a tentative budget for
3 each water year, stating the estimated expense for administering
4 the provisions of this judgment. The Watermaster shall mail a
5 copy of said tentative budget to each of the parties hereto
6 having an Adjudicated Right at least sixty (60) days before the
7 beginning of each water year. If any such party has any object-
8 ion to said tentative budget or any suggestions with respect
9 thereto, he shall present the same in writing to the Watermaster
10 within fifteen (15) days after service of said tentative budget
11 upon him. If no objections are received, the tentative budget
12 shall become the final budget. If objections to said tentative
13 budget are received, the Watermaster shall, within ten (10) days
14 thereafter, consider such objections, prepare a final budget,
15 and mail a copy thereof to each such party, together with a state-
16 ment of the amount assessed to each such party, computed as pro-
17 vided in subparagraph 5 of this paragraph IX. Any such party
18 whose objections to said tentative budget are denied in whole
19 or in part by the Watermaster may, within fifteen (15) days after
20 the service of the final budget upon him, make written objection
21 thereto by filing his objection with the Court after first mail-
22 ing a copy of such objection to each such party, and shall bring
23 such objection on for hearing before the Court at such time as
24 the Court may direct. If objection to such budget be filed with
25 the Court as herein provided, then the said budget and any and
26 all assessments made as herein provided may be adjusted by the
27 Court.

28 5. The fees, compensation or other expenses of the Water-
29 master hereunder shall be borne by the parties hereto having
30 Adjudicated Rights in the proportion that each such party's
31 Adjudicated Right bears to the total Adjudicated Rights of all
32 such parties, and the Court or Watermaster shall assess such costs

1 to each such party accordingly.

2 Payment thereof, whether or not subject to adjustment by
3 the Court as provided in this paragraph IX, shall be made by
4 each such party, on or prior to the beginning of the water year
5 to which said final budget and statement of assessed costs is
6 applicable. If such payment by any party is not made on or be-
7 fore said date, the Watermaster shall add a penalty of 5% there-
8 of to such party's statement. Payment required of any party
9 hereunder may be enforced by execution issued out of the Court,
10 or as may be provided by any order hereinafter made by the Court,
11 or by other proceedings by the Watermaster or by any party hereto
12 on the Watermaster's behalf.

13 All such payments and penalties received by the Watermaster
14 shall be expended by him for the administration of this judgment.
15 Any money remaining at the end of any water year shall be avail-
16 able for use the following year.

17 6. The Watermaster shall prepare an annual report within
18 ninety (90) days after the end of each water year covering the
19 work of the Watermaster during the preceding water year and a
20 statement of his receipts and expenditures.

21 7. The Watermaster shall report separately, in said annual
22 report, all water extractions in the Basin by producers who have
23 no "Adjudicated Right."

24 8. The Watermaster shall perform such other duties as may
25 be provided by law. ✓

26 X

27 Any party hereto having an Adjudicated Right who has object-
28 ion to any determination or finding made by the Watermaster,
29 other than as provided in paragraphs VII and IX hereof, may
30 make such objection in writing to the Watermaster within thirty
31 (30) days after the date the Watermaster gives written notice
32 of the making of such determination or finding, and within thirty

1 (30) days thereafter the Watermaster shall consider said object-
2 ion and shall amend or affirm his finding or determination and
3 shall give notice thereof to all parties hereto having Adjudi-
4 cated Rights. Any such party may file with the Court within
5 thirty (30) days from the date of said notice any objection to
6 such final finding or determination of the Watermaster and bring
7 the same on for hearing before the Court at such time as the
8 Court may direct, after first having served said objection upon
9 each of the parties hereto having an Adjudicated Right. The
10 Court may affirm, modify, amend or overrule any such finding or
11 determination of the Watermaster.

12 XI

13 The Court hereby reserves continuing jurisdiction and,
14 upon application of any party hereto having an Adjudicated Right
15 or upon its own motion, may review (1) its determination of the
16 safe yield of the Basin, or, (2) the Adjudicated Rights, in
17 the aggregate, of all of the parties as affected by the abandon-
18 ment or forfeiture of any such rights, in whole or in part, and
19 by the abandonment or forfeiture of any such rights by any other
20 person or entity, and, in the event material change be found, to
21 adjudge that the Adjudicated Right of each party shall be ratably
22 changed; provided, however, that notice of such review shall be
23 served on all parties hereto having Adjudicated Rights at least
24 thirty (30) days prior thereto. Except as provided herein, and
25 except as rights decreed herein may be abandoned or forfeited in
26 whole or in part, each and every right decreed herein shall be
27 fixed as of the date of the entry hereof.

28 XII

29 The Court further reserves jurisdiction so that at any time
30 and from time to time, upon its own motion or upon application
31 of any party hereto having an Adjudicated Right, and upon at
32 least thirty (30) days notice to all such parties, to make such

1 modifications of or such additions to, the provisions of this
2 judgment, or make such further order or orders as may be necessary or desirable for the adequate enforcement, protection or
3 preservation of the rights of such parties as herein determined.
4

5 XIII

6 The objections to the Report of Referee and to all supplemental Reports thereto, having been considered upon exceptions
7 thereto filed with the clerk of the Court in the manner of and
8 within the time allowed by law, are overruled.
9

10 XIV

11 All future notices, requests, demands, objections, reports,
12 and other papers and process in this cause shall be given, made
13 and/or served as follows:

14 1. Any party herein who, as hereafter provided, has
15 designated or who designates the person to whom and the address
16 at which all said future notices, papers and process in this
17 cause shall be given, shall be deemed to have been served there-
18 with when the same has been served by mail on such party's
19 designee.

20 (a) All parties herein who have executed
21 and filed with the Court "Agreement and Stipulation
22 for Judgment" and have therein designated a person
23 thereafter to receive said notices, papers and/or
24 process, have therein and thereby made such designation
25 for said purpose, and such designation shall
26 become effective upon the entry of this judgment.

27 (b) All other parties who desire to name a
28 designee for the aforesaid purpose, or any party
29 once having named a designee who desires to change
30 his designee shall file such designation or change
31 of designee with the clerk of this Court and shall
32 serve a copy thereof by mail on the Watermaster.

2. Parties hereto who have not entered their appearance or whose default has been entered and who are adjudged herein to have ~~a~~ Adjudicated Right, shall be served with all said future notices, papers and process herein by publication of a copy of such said notice, paper or process addressed to, "Parties to the West Basin Adjudication": said publication shall be made once each week for two successive weeks in a newspaper of general circulation, printed and published in the County of Los Angeles, State of California, the last publication of which shall be at least two weeks and not more than five weeks immediately preceding the event for which said notice is given or immediately preceding the effective date of any order, paper or process, in the event an effective date other than the date of its execution is fixed by the Court in respect of any order, paper or process, or said last publication shall be made not more than five weeks following an event, the entry of an order by the Court, or date of any paper or process with respect to which notice is given.

3. All parties not specifically referred to in subparagraphs 1 and 2 above who are required by law to be served with future notices, papers and/or process in this cause shall be served therewith in the manner provided by law.

XV.

None of the parties hereto shall recover his costs as against any other party.

Dated: August 18, 1961 /s/ George Francis
Judge Assigned by the Chairman of
the Judicial Council to Sit in
This Case.

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3 CONFORMED COPY
ORIGINAL FILED
Superior Court of California
County of Los Angeles

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5 NOV 15 2018

6 Sherri R. Carter, Executive Officer/Clerk
By: Roxanne Arraiga, Deputy

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11 SUPERIOR COURT OF THE STATE OF CALIFORNIA
12 FOR THE COUNTY OF LOS ANGELES

13 CALIFORNIA WATER SERVICE COMPANY,
14 et al.,

15 Plaintiff,

16 v.

17 CITY OF COMPTON, et al.,

18 Defendants.

Case No. C506806 [Related to C786656]

(Assigned to the Honorable Kenneth R.
Freeman – Department 14)

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**MODIFIED ~~REQUEST~~ ORDER
GRANTING AMENDMENT TO THE
JUDGMENT**

[Filed concurrently with Notice of Motion
and Motion; Memorandum of Points and
Authorities; Declaration of Theodore A.
Johnson; and Request for Judicial Notice]

Date: November 15, 2018
Time: 3:00 p.m.
Dept.: 14

Action Filed: 7/21/1945

LOS ANGELES SUPERIOR COURT

OCT 26 2018

S. DREW

1 [PROPOSED] ORDER

2
3 The Motion of Intervenor Water Replenishment District of Southern California ("WRD") to
4 Amend Judgment ("Motion") came on for hearing on November 15, 2018, in Department 14 of the
5 Los Angeles Superior Court, the Honorable Kenneth R. Freeman, Judge presiding. Appearances
6 were made by parties through their respective counsel of record.

7 After considering all the papers filed in connection with the Motion and hearing oral
8 argument, this Court, finding good cause therefore, HEREBY ORDERS AS FOLLOWS:

9 That the Amended Judgment entered on December 5, 2014 in *California Water Service*
10 *Company, et al. v. City of Compton, et al.*, Los Angeles Superior Court Case No. C506806, be
11 amended to add new Paragraph V.15, which shall read as follows:

12 **15. Extraction Exemption**

13 In recognition of existing seawater intrusion into Basin groundwater supplies, extractions of
14 groundwater shall be permitted by certain entities without an Adjudicated Right to produce
15 groundwater within the Basin so long as each of the following criteria are satisfied:

16 1. Only groundwater containing at least 500 milligrams/liter of chloride, as measured at
17 the influent to any facility used to treat such water, may be extracted;

18 2. Extractions must be done by a public agency with statutory authority to clean
19 contaminated groundwater;

20 3. Extractions of such groundwater must provide a Regional Benefit to the Basin as a
21 whole and not just to the extracting party;

22 4. All extractions pursuant to this Paragraph V.15 are subject to payment of the
23 Replenishment Assessment.

24 5. All new projects that seek to extract groundwater pursuant to this Paragraph V. 15
25 shall be reviewed and approved by the following entities: (1) the Water Rights Panel and (2) WRD
26 in its capacity as the Watermaster Administrative Body. Those entities shall review such projects
27 using the procedures generally described in the following subsections of Paragraph V.13.B:
28 subsections (2), (6), (8), and (9); the second and third sentences of subsection (1); the first sentence

1 of subsection (4); and the last sentence of subsection (7). The findings of the Water Rights Panel
2 and WRD in its capacity as the Watermaster Administrative Body shall include a determination that
3 the project is Technically Feasible and will not cause Material Physical Harm. Any new project that
4 would be carried out by WRD pursuant to this Paragraph V.15 would not constitute a conflict of
5 interest within the meaning of Paragraph V.13.B (8) as to WRD's role as Watermaster
6 Administrative Body.

7 Any extractions pursuant to this amendment shall be reported on at least an annual basis to:
8 (1) WRD in its capacity as the Watermaster Administrative Body and (2) the Water Rights Panel.
9 Such report shall include discussion of each of the criteria contained in this Paragraph V.15.

10
11 Dated: NOV 15 2018, 2018

KENNETH R. FREEMAN

Honorable Kenneth R. Freeman
Judge of the Superior Court

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