

# County of Los Angeles Countywide Integrated Waste Management Plan 2014 Annual Report



County of Los Angeles  
Department of Public Works  
December 2015

Countywide Summary Plan &  
Countywide Siting Element

**2014 Annual Report**  
 County of Los Angeles Countywide Integrated Waste Management Plan

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**ACRONYMS AND GLOSSARY OF TERMS**

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

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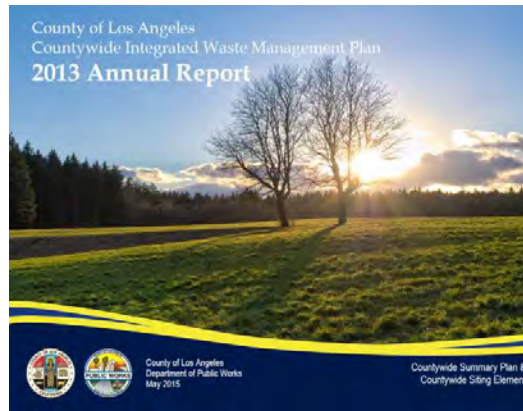
## County of Los Angeles Countywide Integrated Waste Management Plan

### WHAT IS THE ANNUAL REPORT?

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

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

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



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

The Electronic Annual Report (EAR), which contains an assessment of the Summary Plan and Siting Element, was submitted to CalRecycle on August 3, 2015.

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

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

**Summary Plan Assessment**

**Summary Plan**

**1. Question:**

Does the Summary Plan need to be revised?

**Response:**

No.

**Siting Element Assessment**

**Total County or Agency Wide Disposal Capacity**

**1. Question:**

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

**Response:**

15

**Total County or Agency Wide Disposal Capacity**

**2. Question:**

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

**Response:**

Not applicable.

**Siting Element Adequacy**

**3. Question:**

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

**Response:**

Yes.

As discussed in the Five-Year Review Report, as approved by CalRecycle in December 2014, County of Los Angeles Department of Public Works is currently revising the Siting Element and anticipates releasing it to the public for review and comment around mid-2016. On June 16, 2014, an Initial Study and Notice of Preparation for the Siting Element Revision were released to all responsible agencies and interested parties for review and comment. Additionally, detailed analyses will be included in the 2014 Annual Report of the Los Angeles County Countywide Integrated Waste Management Plan, which will be submitted to CalRecycle separately. The Annual Report will describe the County's strategy to meet the future disposal demand.

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**SUMMARY PLAN**

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



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

The County's first Five-Year Review Report was approved by CalRecycle on September 21, 2004. CalRecycle approved the second Five-Year Review Report in August 2010, which concluded that an update to the Summary Plan was not necessary. A new Five-Year Review Report was approved by CalRecycle on December 9, 2014, which also determined that an update to the Summary Plan is not necessary.

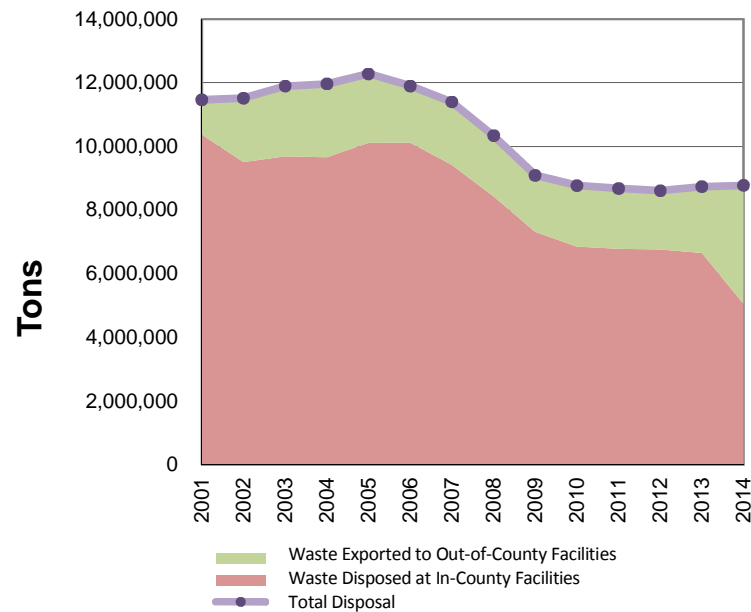
The following section is a summary discussion on the various regional solid waste issues that currently play a significant role in the County's continuing solid waste management efforts, including recent legislation, markets for recyclable materials, development of alternative technology facilities,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

## REGIONAL SOLID WASTE ISSUES

### Disposal Trend

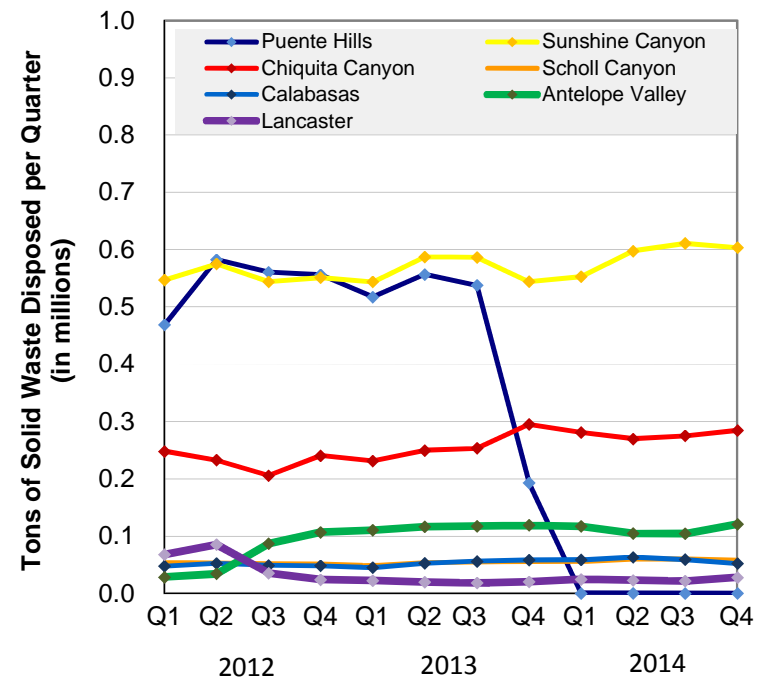
While the economy has shown signs of improvement in recent years, the amount of waste that residents and businesses generated and disposed of in the County continued to remain relatively low due to various factors. **Figure 1** shows a downward disposal trend from 2005 to 2010, which plateaus thereafter.

**Figure 1: Disposal Trend**



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

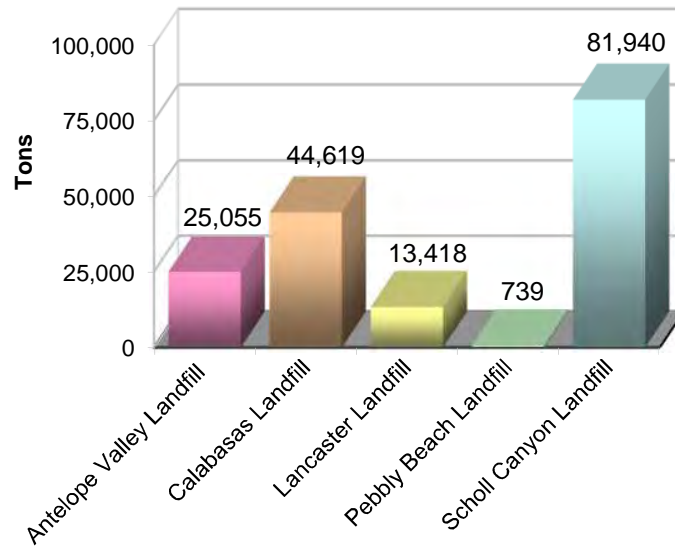
**Figure 2: Disposal Trend at Major Landfills**



### Green Waste as Alternative Daily Cover

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

**Figure 3: Use of Green Waste as ADC in 2014**



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

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

### **Adequacy of Permitted Disposal Capacity**

As detailed in the section titled **Strategy for Maintaining Adequate Disposal Capacity** (Page 36), a shortfall in permitted solid waste disposal capacity within the County is not anticipated to occur within the next 15 years under current conditions. To meet disposal capacity needs during the planning period, jurisdictions in the County must further increase their waste reduction and diversion efforts, continue to encourage development of alternative technologies, support exportation of waste to out-of-County facilities, utilize the Waste-by-Rail system to Mesquite Regional Landfill, in Imperial County, and if found to be environmentally sound and technically feasible, expand in-County Class III landfill capacity.

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

On October 21, 2014, the Board of Supervisors adopted the Roadmap to a Sustainable Waste Management Future, establishing a goal to divert 80% of solid waste generated in the unincorporated County areas from landfills by 2025, 90% by 2035, and 95% or more by 2045. The County's efforts to achieve waste diversion are guided by the new waste management paradigm, which places a greater emphasis on source reduction, reuse, recycling, and otherwise maximizing the benefits and use of materials over disposal. However, source reduction, reuse and recycling alone will not be enough to achieve the longer-term diversion goals identified in the Roadmap.



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

To address the fraction of the waste stream that cannot be feasibly recycled, the development of conversion technology facilities is a vital aspect of the new paradigm and necessary to achieve a truly sustainable waste management future. Through the County's Conversion Technology Program, Public Works continues to support and advance the efforts to establish conversion technology facilities in Los Angeles County.

Public Works continues to actively pursue and support the passage of legislation that encourages the development of conversion technology facilities. The goal is to establish clear definitions in statute that promote the highest and best use of resources while supporting the state's key environmental goals.

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Public Works serves as the chair to two groups, the Conversion Technology Working Group, which is hosted by CSAC, and the Los Angeles County Integrated Waste Management Task Force's Alternative Technology Advisory Subcommittee. These groups facilitate the development of conversion technology projects in Southern California, such as the ones described below.

CR&R Waste and Recycling Services continues construction of an anaerobic digestion facility at their material recovery facility and transfer station in Perris, CA. This project will ultimately turn trash into fuel for the waste collection vehicles. Public Works actively assisted CR&R in obtaining funding from CalRecycle, the South Coast Air Quality Management District (SCAQMD), and the Energy Commission under the State's Alternative and Renewable Fuel, Vehicle Technology, Clean Air, and Carbon Reduction Program (commonly known as Assembly Bill 118). Public Works also provided technical assistance to the developers. The facility is expected to become operational in the third quarter of 2015.

In February 2014, the Sanitation Districts of Los Angeles County (Sanitation Districts) and Waste Management (WM) began a multi-year demonstration program to evaluate the technical and economic feasibility of full-scale co-digestion of food waste with sewage sludge in anaerobic digesters at the Joint Water Pollution Control Plant (JWPCP) in Carson, CA. WM collects commercial food waste separately from other waste and processes it to remove contaminants before delivering a clean



food waste slurry to the treatment plant. The slurry is pumped into anaerobic digesters, which contain sewage sludge from the plant's wastewater treatment operations. Microorganisms break down the organic matter in the food waste and sludge, producing biogas and a solid residual material. The digester gas, which is mostly methane, is used at the JWPCP Total Energy Facility (TEF) to produce electricity. The project is expected to expand into a commercial-scale anaerobic digestion facility after a consistent food waste supply can be secured. Public Works is currently working with the Sanitation Districts on a potential partnership to develop a commercial food waste pilot program for selected garbage disposal districts and commercial franchise areas. The pilot collection program will deliver food waste to the Puente Hills Materials Recovery Facility and may be used to expand the Sanitation District's co-digestion operation if commercially viable.

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The Los Angeles County Sheriff's Department (LASD) requested assistance from Public Works in researching an in-vessel composting system to manage organic waste at Pitchess Detention Center (PDC), a jail facility in Castaic, California. Subsequently, LASD received a proposal from an organics processor to further expand the scope to include a commercial-scale composting operation and an anaerobic digester. As one of the first commercial-scale organic waste anaerobic digestion facilities in Los Angeles County, it would help the County reach waste diversion goals, create a rich soil amendment for PDC farmland, and generate biogas for low carbon electricity, heat, and vehicle fuel. It could be used to manage food waste from the jail facility as well as other county departments and the surrounding unincorporated areas. At present, Public Works is working with consultants to finalize an economic analysis for this project. If the project is approved and funding can be secured through grants or loans, Public Works will prepare a Request for Proposal (RFP) later this year for the design and construction of the facility. Other companies and jurisdictions have approached the County about potential projects at several locations throughout the County.

Public Works continues to update [www.SoCalConversion.org](http://www.SoCalConversion.org), a comprehensive website containing a variety of resources for municipal and industry stakeholders. The site features a database of nearly 60 conversion technology companies vetted by Public Works (resulting from the 2011 and 2013 Request for Expressions of Interest solicitations), economic models, reports, and information about upcoming events relating to conversion technologies.

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

On June 11, 2014, The City of Los Angeles published an RFP from solid resources collection companies to provide solid waste, commingled recyclables, and organics collection, transfer, disposal and processing services to commercial and multifamily establishments in the City. The City intends to enter into exclusive franchise agreements to provide the services described in the RFP. The solid resources collection company that is awarded the contract for each franchise will have a dedicated waste stream, making it financially viable to develop new organics processing facilities which may include alternative technologies. These facilities could also potentially process organics originating from other jurisdictions.

Additionally, on October 14, 2014, the City Council of the City of Los Angeles authorized the Bureau of Sanitation (Bureau) to pursue negotiations for a partnership with the City of Long Beach and the Sanitation Districts for co-ownership and operation of Southeast Resource Recovery Facility (SERRF).

#### Senate Bill 498 - Conversion Technology

On September 28, 2014, Governor Brown signed into law Senate Bill 498 (SB 498), a biomass conversion technology bill introduced by Senator Ricardo Lara. AB 939 requires 50% diversion of solid waste, of which 10% can come from transformation or biomass conversion. State law formerly limited "biomass conversion" to only the controlled combustion of organic materials, such as wood, lawn, and garden clippings, agricultural waste, leaves, tree pruning, and non-recyclable paper, when separated from other solid waste and used for

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producing electricity or heat. SB 498 expanded the definition of biomass conversion to include non-combustion thermal conversion technologies. By doing so, SB 498 allows for the cleaner and more efficient non-combustion conversion technologies to be used to convert biomass into fuels and products in addition to heat and/or electricity.

The County of Los Angeles played a major role in sponsoring Senate Bill 498. The language in SB 498 was developed by the County and the California State Association of Counties (CSAC) following discussions with the California Department of Resources Recycling and Recovery (CalRecycle) and key stakeholders. While limited in scope, SB 498 is California's first successful legislative effort to facilitate conversion technologies as a waste management option for jurisdictions looking for non-combustion alternatives to landfilling. The bill will help the State reach its 75 percent recycling goal by facilitating additional mechanisms through which to sustainably manage materials that cannot be reduced, recycled, or composted. The bill will also assist in meeting the goals of the state's Bioenergy Action Plan, which has identified municipal solid waste as a substantially underutilized resource for biomass feedstock. SB 498 will also create a pathway for low-carbon fuels to be utilized from biomass waste. Moreover, the utilization of conversion technologies will provide jurisdictions with increased flexibility to process biomass material to produce green energy. Without increased options, biomass waste may need to be transported to facilities hundreds of miles away, which is economically and environmentally costly.

### **AB 32– Reducing Greenhouse Gas Emissions in California**

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

Among the new recommendations are measures related to increased funding mechanisms for in-State infrastructure development to support the waste sector. Moreover, the document states that CARB and CalRecycle will work to eliminate landfill disposal of organic materials, a major source of GHG, methane, by utilizing their regulatory authority under AB 32 if legislation to require businesses to recycle their organic waste was not enacted in 2014. The legislature did pass such a law in 2014 (Assembly Bill 1826, Chesbro) as well a law which eliminates diversion credit for use of green waste as alternative daily cover at landfills (Assembly Bill 1594, Williams).

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#### Assembly Bill 1594 and 1826 – Organic State Laws

On September 28, 2014, Governor Brown signed two bills into law, that are intended to substantially reduce the amount of organic waste that is disposed of in California landfills. Assembly Bill 1594 and Assembly Bill 1826 present a range of challenges for jurisdictions and collectively signal a new era of solid waste management for the State.



#### Assembly Bill 1594

Since 1993, the State law has considered green material used for ADC at landfills as “recycling” and not “disposal”. In addition to helping jurisdictions with their efforts to comply with the fifty percent solid waste diversion mandate established pursuant to AB 939, this greatly promoted the

development of infrastructure that allowed for separate collection of green materials.

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

There are several cities within the County that could fall out of compliance with AB 939’s 50 percent diversion mandate if they continue to send green waste to landfills for use as ADC after January 1, 2020, and fail to develop and implement new diversion programs to provide for loss of the ADC’s diversion credit. This could potentially expose them to fines of up to \$10,000 per day for non-compliance. The Governor included a signing statement with AB 1594 which encourages legislators to address a provision in the law that will exempt green waste sent to landfills from the State’s disposal fee. Legislation that would remove this provision is expected to face opposition, as this provision was included to garner the support needed to pass AB 1594.

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#### Assembly Bill 1826

While AB 1594 only affects jurisdictions which use green material as ADC, AB 1826 affects most jurisdictions throughout the State. AB 1826 requires jurisdictions to implement an organic waste recycling program for businesses that would include outreach, education, and monitoring of affected businesses by January 1, 2016. Additionally, each jurisdiction is to identify a multitude of information, including barriers to siting organic waste recycling facilities as well as closed or abandoned sites that might be available for new organic waste recycling facilities. AB 1826 defines “organic waste” as food waste, green waste, landscape and pruning waste, non-hazardous wood waste, and food-soiled paper waste that is mixed in with food waste. It also defines a “business” as a commercial or public entity, including, but not limited to, a

firm, partnership, proprietorship, joint stock company, corporation, or association that is organized as a for-profit or nonprofit entity, or a multifamily residential dwelling consisting of five or more units.

The County is currently in the process of developing a countywide organic management plan that is intended to assist jurisdictions in the determining whether or not there is adequate processing capacity to handle the organic waste that will require recycling due to the passage of these bills. This plan will provide an estimate of the total organic processing capacity currently available within the County and the neighboring counties within the Southern California region. An analysis of the additional processing capacity needed to handle organic waste recycling will be also included in the plan.



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**Assembly Bill 1126 – Engineered Municipal Solid Waste**

Assembly Bill 1126 (AB 1126, Chapter 411 of the 2013 State Statutes), which was signed by Governor Brown on September 28, 2013, defines the terms “engineered municipal solid waste (EMSW) conversion” and “EMSW conversion facility” as a new type of solid waste disposal facility, thereby requiring conforming changes to existing definitions with regard to those operations and facilities.

EMSW conversion is very broadly defined as the conversion of solid waste through a process that meets certain requirements, meaning an EMSW conversion process could include combustion, incineration, or any non-combustion conversion technology. AB 1126 stipulates that solid waste processed through an EMSW conversion facility would be considered disposal, and the energy generated by such a facility would not be considered renewable. AB 1126 additionally excludes EMSW conversion from the definition of transformation, and allows a transformation facility that meets specified requirements relating to EMSW conversion to elect to be considered an EMSW conversion facility.

AB 1126 would also require each county CSE to include a description of the areas to be used for the development of EMSW conversion facilities concurrent and consistent with the development and implementation of the county and city source reduction and recycling elements.

Furthermore, any revision to a CSE to provide for an EMSW conversion facility is only required to be approved by the city in which it is located, or if the EMSW is not located in a city, by the county.



**Assembly Bill 845 – Prohibition on Local Disposal Limits**

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

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

In March 2015, CalRecycle published two staff reports titled "*State of Recycling in California*" and "*State of Disposal in California*". The State of Recycling report analyzes material types, amounts, and materials flows of recyclables along with the facilities that handle the material. Whereas, the State of Disposal report focuses on key issues related to solid waste disposal, including the facilities that handle disposed waste, the amounts and types of materials that are disposed, and the disposal fees.

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



The State of Disposal report states that, in 2013, 30.2 million tons of material was landfilled, and 0.86 million tons of waste was incinerated at the three transformation facilities in California. The state had a 4.4 PPD disposal rate in 2013, which is below the 6.3 PPD disposal target (established under AB 939), resulting in a 65 percent diversion rate. The report indicates that California landfills have sufficient capacity

statewide for several decades, with approximately 1.7 billion tons of landfill capacity, as of January 2014. The report also describes three different models that project future statewide disposal and landfill capacities: high disposal rate, current disposal rate, and low disposal rate. The high disposal rate, a conservative approach, shows that California landfills would last for another 25 years. If California

reaches its 75 percent statewide recycling goal by 2020, in the case of the low disposal rate, there will be available landfill capacity for another 65 to 75 years.

The two reports also mention long term funding mechanisms. As California moves toward the statewide 75 percent recycling goal, the amount of material entering landfills will decrease. Therefore, the reports caution that it is critical to consider how to fund California's recycling programs as the amount of disposed material decreases and the goals get more ambitious.

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<sup>1</sup> Assembly Bill 341 (AB 341, Chesbro) was signed into law by Governor Brown on October 6, 2011, establishing a statewide goal that no less than 75 percent of solid waste generated in the State be source reduced, recycled, or composted by 2020, and required local jurisdictions to implement commercial recycling programs by July 1, 2012.

### **Markets for Recovered Materials**

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

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

This dependence on foreign markets became evident in February 2013, when Chinese customs officials began vigorously enforcing the environmental regulations for container loads of scrap material. Under this policy, known as “Operation Green Fence,” loads which did not meet the regulations were rejected and returned to shippers. As a result, recycling facilities increased their quality control measures to ensure that all loads would meet the new requirements. This was a benefit to domestic manufacturers who purchased the material from these recycling facilities, since they were in need of higher quality loads of scrap material, which were not previously available. Domestic manufacturers can now purchase loads of higher and more consistent quality before those loads are shipped overseas.

China’s “green fence” policy shows us that while collection of recyclable materials is an important element of our integrated solid waste management system and is imperative in reducing our dependence on landfills, true success through recycling efforts can only be realized with a strong market demand for recovered materials.

### **Extended Producer Responsibility**

To facilitate a comprehensive solid waste management strategy, the County strongly supports statewide legislation, regulations, and/or policies that establish product stewardship, also known as Extended Producer Responsibility (EPR). EPR is an adopted strategic policy that shifts the responsibility of product waste management from local

governments to producers and manufacturers. EPR emphasizes product designs that promote environmental sustainability and minimize the negative impact on human health and the environment, and also considers the cost of treatment and disposal in the total cost of the product.



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AB 1343, which took effect in July 2012, requires paint manufacturers to take responsibility for the end-of-life management of postconsumer paints sold in California. This state law is the first significant EPR bill in California. It calls for the paint industry to design and manage a collection program for postconsumer paint that would potentially save local governments millions of dollars in taxpayer funds each year. AB 1343 is meant to reduce the end-of-life management costs for paint and mitigate the environmental impacts of its disposal.

As designated by paint manufacturers, the stewardship organization, PaintCare, implemented a program on October 19, 2012, with a chain of about 134 paint retail stores statewide to take back postconsumer paint from the public. Over 60 retail locations were spread throughout the County. In February 2014, the County of Los Angeles partnered with PaintCare through the County's Household Hazardous Waste Program. Since the partnership, PaintCare has collected 130,000 pounds of oil based paint and 496,000 pounds of latex paint.

### Waste-by-Rail System

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



The Sanitation Districts have completed planning and development of all of the WBR system components except for the local intermodal facility which is currently under construction. Upon completion, the Puente Hills Intermodal Facility will facilitate intermodal transfer of containers up to

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two trains per day, or approximately 8,000 tpd of municipal solid waste.

The operation of the MRL and WBR is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills, and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fees make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the disposal analysis, the WBR system is assumed to begin its operation in 2018.

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

## SITING ELEMENT REVISION

AB 939, as amended, requires each county to prepare a countywide siting element that describes how the county and the cities within the county, plan to manage the disposal of their solid waste for a 15-year planning period. The existing CSE, dated June 1997, was approved by the majority of the cities in the County containing a majority of the cities' populations. It was subsequently approved by the Board of Supervisors in January 1998, and by CalRecycle on June 24, 1998.

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

- ❖ Removes two potential landfill sites, Elsmere and Blind Canyon Landfills, in accordance with a motion passed by the Board of Supervisors on September 30, 2003;
- ❖ Includes the proposed expansion of two in-County Class III landfills – Chiquita Canyon and Scholl Canyon Landfills – in order to increase landfill capacities within the County;
- ❖ Updates the goals and policies to be more aligned with a new solid waste management paradigm (refer to figure on next page), to enhance the comprehensiveness of Los Angeles County's solid waste management system and to incorporate current and upcoming solid waste management processes and technologies;
- ❖ Promotes development of alternatives to landfilling, such as conversion technologies, on a Countywide basis; and
- ❖ Promotes development and use of infrastructure to transport solid waste to out-of-County landfills, such as Mesquite Regional Landfill, to complement the County's waste management system.



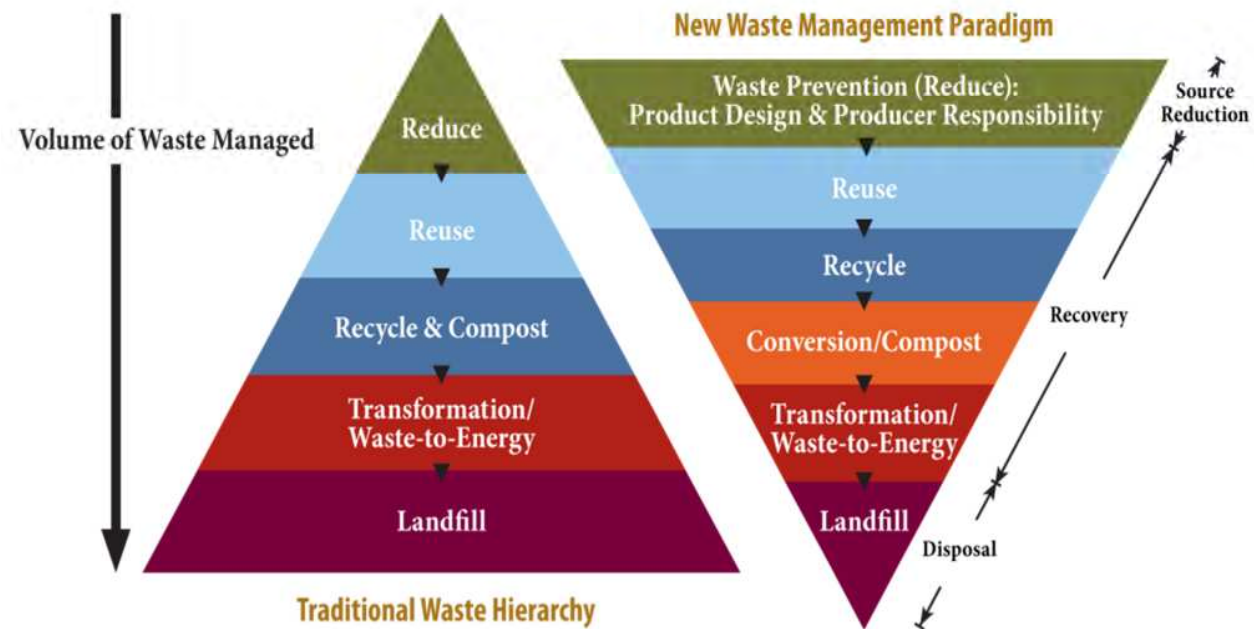
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The draft revised CSE and its environmental document will undergo a review and approval process in compliance with statutory and regulatory requirements. This includes

review by the Task Force, and review and approval by jurisdictions in Los Angeles County, the County Board of Supervisors, and CalRecycle.

### Solid Waste Management Hierarchy



## GOALS AND POLICIES OF THE SITING ELEMENT

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

The goals and policies<sup>2</sup> are either being or may have to be implemented by the County and cities in the County to meet the mandates of the AB 939. These goals are consistent with those listed in the Los Angeles County Solid Waste Management Action Plan (Action Plan)<sup>3</sup> and County Solid Waste Management Plan (CoSWMP)<sup>4</sup>.

The goals are as follows:

1. To protect the health, welfare, and safety of all citizens by addressing the disposal need of the 88 cities in Los Angeles County and the County unincorporated communities during the 15-year planning period through development of environmentally safe and technically feasible disposal facilities for solid waste that cannot be reduced, reused, recycled, or composted.

This goal incorporates policies to:

- Enhance in-County landfill disposal capacity, and
  - Facilitate utilization of out-of-County/remote disposal facilities.
2. To foster the development of transformation and other innovative solid waste disposal technologies as alternatives to landfill disposal.

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<sup>2</sup>The corresponding policies associated with each Goal can be found in the 1997 Los Angeles County Countywide Siting Element approved by CalRecycle on June 24, 1998.

<sup>3</sup>The **Action Plan** was adopted by the County Board of Supervisors in April 1988, and was subsequently superseded by the County Integrated Waste Management Plan, which was approved by the former California Integrated Waste Management Board (CIWMB) (now California Department of Resources Recycling and Recovery (CalRecycle)) in June 1999.

<sup>4</sup>The **CoSWMP** was approved by the majority of the cities in the County with majority of the incorporated population, the County Board of Supervisors, and the former CIWMB (now CalRecycle).

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3. To protect the economic well-being of Los Angeles County by ensuring that the cities and the County unincorporated communities are served by an efficient and economical public/private solid waste disposal system.
4. To provide siting criteria that considers and provides for the environmentally safe and technically feasible development of solid waste disposal facilities.
5. To reduce the volume (tonnage) of solid waste requiring disposal/transformation by continuing to implement and expand source reduction, recycling, composting, and public education programs.
6. To conserve Class III landfill capacity through diversion of inert waste, disposal of inert waste at unclassified landfills, increased waste disposal compaction rates, and use of green waste and other appropriate materials for landfill daily cover.
7. To promote, encourage, and expand waste diversion activities at disposal facilities.
8. To promote adequate markets for recycled materials and compost products.



## **SOLID WASTE DISPOSAL FACILITIES**

### **Permit Changes**

#### *Azusa Land Reclamation Company Landfill*

The Azusa Land Reclamation facility is located in the City of Azusa and the City of Irwindale in the County of Los Angeles. This facility is owned and operated by Azusa Land Reclamation, Inc. (ALRI) and is currently permitted under Solid Waste Facility Permit No. 19-AA-0013, which has recently been issued on November 12, 2014, to accept 8,000 tons per day (tpd)/39,000 tons per week (tpw) of beneficial reuse. The total proposed permitted boundary is approximately 302 acres encompassed by the property line owned by ALRI with 266 acres designated for waste disposal. The Azusa Land Reclamation is regulated by Waste Discharge Requirements (WDR) issued by the Los Angeles Region of the California Regional Water Quality Control Board (RWQCB) in 2009 (WDR Order No. R4-2009-0098). For more information on this facility, refer to **Appendix E-1**.

### **Proposed Facility Expansions**

#### *Chiquita Canyon Landfill Expansion*

Chiquita Canyon Landfill is located in the unincorporated area of Castaic and is owned and operated by Waste Connections, Inc. In 2011, Waste Connections resubmitted an application to request an expansion of the waste footprint and an increase in the permitted daily disposal. On July 10, 2014, the County of Los Angeles Department of Regional Planning (Regional Planning) circulated the Chiquita Canyon Landfill Masterplan Revision Draft

Environmental Impact Report (DEIR) for public review. The initial comment period was to end on August 24, 2014; however, it was extended twice to October 23, 2014. The project, among other things, proposes to increase the permitted daily disposal from 6,000 to 12,000 tpd, increase the permitted maximum weekly disposal tonnage from 30,000 to 60,000 tons, increase the disposal footprint laterally from 257 acres to 400 acres, and increase the maximum elevation from 1,430 feet to 1,573 feet. For more information on this facility, refer to **Appendix E-1**.



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### *Scholl Canyon Landfill Expansion*

Scholl Canyon Landfill is located north of the Ventura Freeway, in the City of Glendale. The Landfill has been operated by the Sanitation Districts pursuant to a Joint Powers Agreement between the Sanitation Districts, the City of Glendale, and the County of Los Angeles since October 7, 1997. The Landfill is operating under a Use Variance (Case No. 6668-U), granted on November 27, 1978. On April 1, 2014, the City of Glendale released a DEIR, prepared by the Sanitation Districts, for the expansion of the landfill. The proposed expansion consists of two variations: Variation 1: vertical expansion only, which provides approximately 5.5 million tons of additional disposal capacity and Variation 2: vertical and horizontal expansion, which provides approximately 8 million tons of additional disposal capacity. Under both variations, the landfill would continue to be permitted to receive 3,400 tpd of non-hazardous solid waste, and existing resource and material recovery programs will continue to be implemented. For more information on this facility, refer to **Appendix E-1**.

### **Others**

#### *Mesquite Regional Landfill*

The Sanitation Districts owns and operates the Mesquite Regional Landfill, located in Imperial County, and anticipates receiving a portion of the County's waste by truck or rail if found to be technically and economically feasible. For more information on this facility, refer to **Out-of-County Disposal Facilities** (Page 48) and **Appendix E-1**.



### DISPOSAL ANALYSIS FOR 2014

The 2014 disposal analysis consists of an analysis of solid waste generated within the County; solid waste disposed within the County; and solid waste exported to out-of-County landfills. In order to determine the amount of waste generated by Los Angeles County residents, a calculation was performed using the countywide solid waste disposal and diversion rate.

#### Solid Waste Disposal

In 2014, the total amount of solid waste (including imports of 115,752 tons) disposed of at in-county Class III landfills, transformation facilities, and out-of-County landfills was approximately 9.0 million tons. In addition, the amount of inert waste disposed at the permitted inert waste landfill totaled 315,884 tons. The following is a breakdown of the disposal quantities at each type of disposal facility. This breakdown does not include the previously mentioned imports.



#### *Annual Disposal Tonnage for 2014*

|  |                  |             |
|--|------------------|-------------|
| In-County Class III Landfills:           | 4,610,340        | tons        |
| Transformation Facilities:               | 562,685          | tons        |
| Exports to Out-of-County Landfills:      | 3,699,963        | tons        |
|  |                  |             |
| Subtotal Solid Waste Disposed:           | 8,872,988        | tons        |
| Permitted Inert Waste Landfill:          | 315,884          | tons        |
|  |                  |             |
| <b>Grand Total Solid Waste Disposed:</b> | <b>9,188,872</b> | <b>tons</b> |

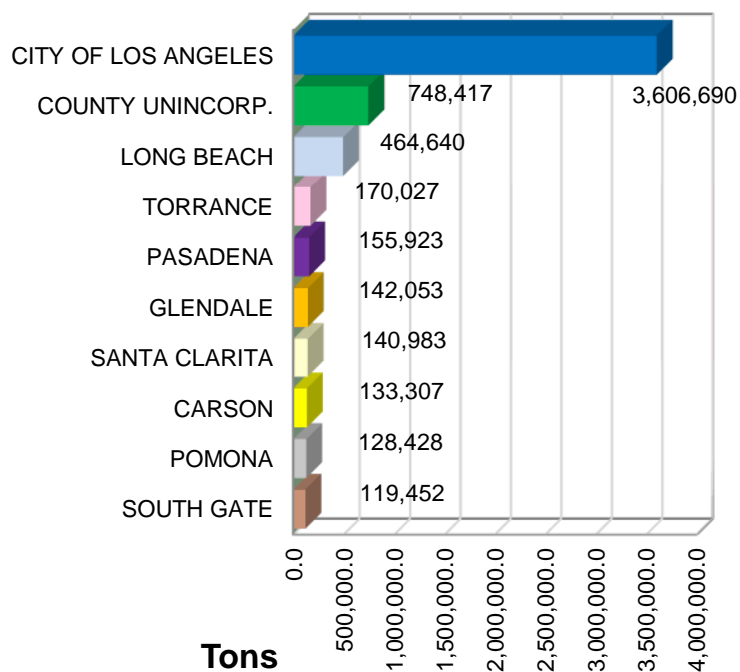
#### *Average Daily Disposal Rate for 2014 (Based on Six Operating Days per Week)*

|  |               |            |
|--|---------------|------------|
| In-County Class III Landfills:           | 14,777        | tpd        |
| Transformation Facilities:               | 1,803         | tpd        |
| Exports to Out-of-County Landfills:      | 11,859        | tpd        |
|  |               |            |
| Subtotal Solid Waste Disposed:           | 28,439        | tpd        |
| Permitted Inert Waste Landfill:          | 1,012         | tpd        |
|  |               |            |
| <b>Grand Total Solid Waste Disposed:</b> | <b>29,451</b> | <b>tpd</b> |

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**Figure 4** below shows the top ten jurisdictions that disposed solid waste, including inert waste disposed at the permitted inert waste landfill, in and outside of the County in 2014.

**Figure 4: Top 10 Jurisdiction Disposal Quantities in 2014**



**Waste Generation**

For the purpose of long-term disposal capacity planning, a countywide diversion rate of 60 percent was assumed for 2014. Based on a total disposal of 8.76 million tons (excluding inert waste and imports) and the 60 percent diversion rate, the County generated approximately 21.89 million tons or an average of 70,170 tpd (see table below).

**2014 Waste Generation and Disposal Quantities for Municipal Solid Waste**

| A                      | B                            | C  | D                  | E  | F  |
|------------------------|------------------------------|--|--------------------|--|--|
| In-County Disposal     |                              | Exports to<br>Out-of<br>County<br>Class III<br>Landfills | Total<br>Disposal* | Estimated<br>Countywide<br>Diversion<br>Rate | Calculated<br>2014<br>Solid Waste<br>Generation* |
| Class III<br>Landfills | Transformation<br>Facilities |  |                    |  |  |
| TONS                   | TONS                         | TONS   | TONS               | %  | TONS   |
| 4,544,921              | 512,353                      | 3,699,963  | 8,757,237          | 60   | 21,893,093                                       |

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

- Column A: Total disposal at Class III landfills in Los Angeles County. Does not include waste imported from jurisdictions outside the County.
- Column B: Total disposal at transformation facilities in Los Angeles County. Does not include waste imported from jurisdictions outside the County.
- Column C: Waste exported by jurisdictions in Los Angeles County to disposal facilities located outside the County.
- Column D: Columns A + B + C.
- Column E: A Countywide Diversion Rate of 60 percent is assumed. Column D ÷ 40% (disposal percentage). This estimate is used to project the County's Class III landfill and transformation disposal needs through the year 2029.
- Column F: Columns A + B + C.

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**Senate Bill 1016**

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

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

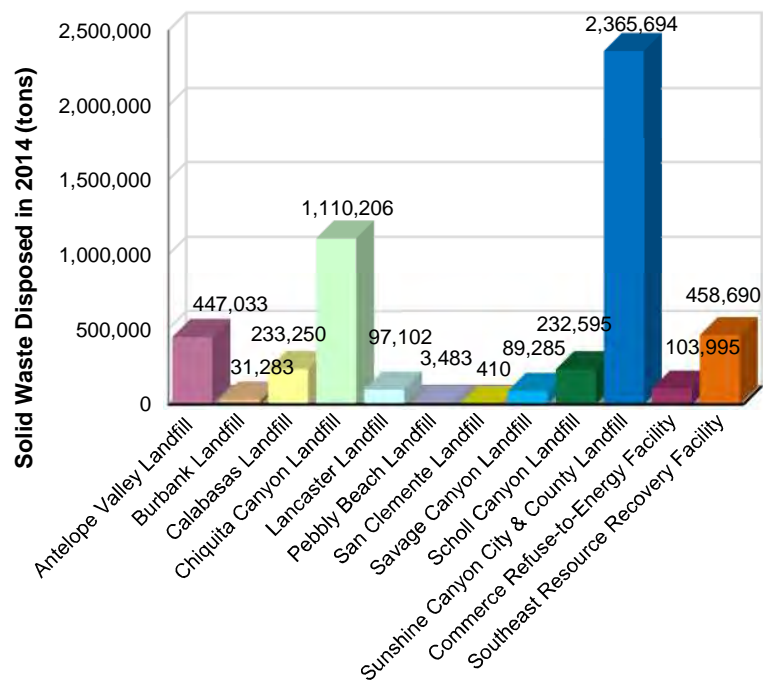


**Waste Disposal at In-County Facilities**

In addition to waste generated within the County, Class III landfills and transformation facilities in the County also received 115,752 tons, or 371 tpd, of waste from jurisdictions outside the County in 2014. **Figure 5** shows the total amount of solid waste disposed at each Class III landfill and transformation facility, including imports from outside the County. For more detailed information, refer to **Appendix E-2, Table 1**.

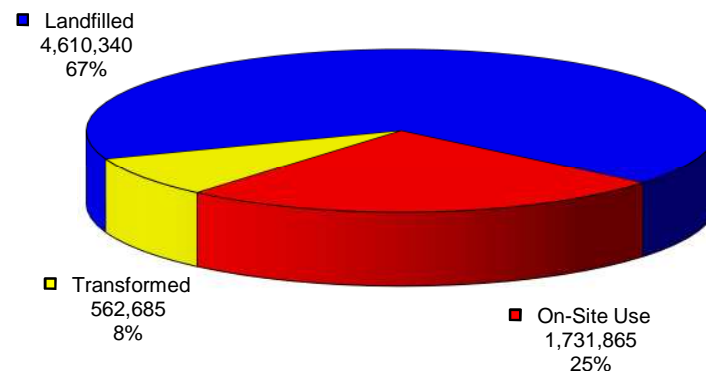
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**Figure 5: Disposal Quantities by Facility in 2014**



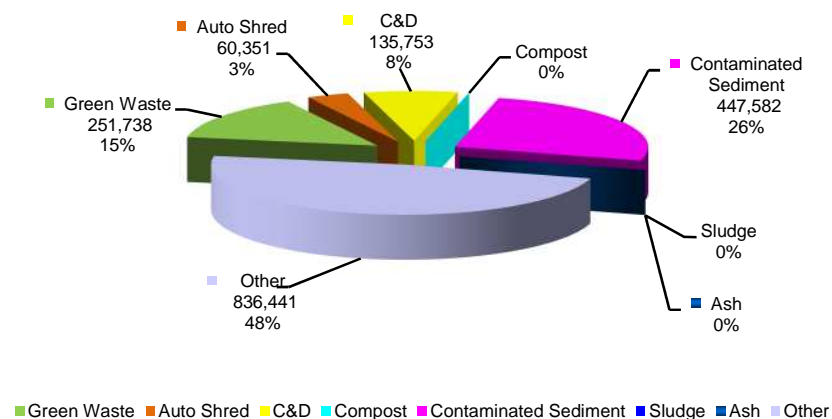
When waste is received at Class III landfills and transformation facilities, some of it is recycled for on-site use, such as ADC, and some is sent off-site for recycling or processing. The remaining waste is landfilled or transformed into energy. If transformed, the residual ash is turned into ashcrete and used as road base for winter deck operating areas and other beneficial uses. **Figure 6** quantifies each activity. The various types of materials recycled or beneficially used on-site at Class III landfills are further broken down in **Figure 7**.

**Figure 6: Various Types of Materials Disposed, Recycled or Beneficially Used\* On-Site at In-County Disposal Facilities (tons)**



\*Excluding ash as beneficial use since ash is a product of transformed materials.

**Figure 7: On-site Recycled or Beneficially Used Materials (tons)**



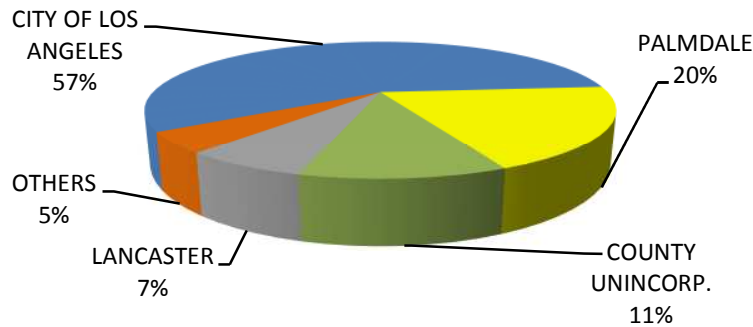
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Figures 8 through 19 show the annual disposal at each in-County facility (excluding imports from outside the County) in 2014, broken down by jurisdiction. The facilities with an “(R)” next to their names represent landfills with wasteshed restrictions<sup>5</sup>.

For a map that shows the location of each facility, refer to Appendix E-6.

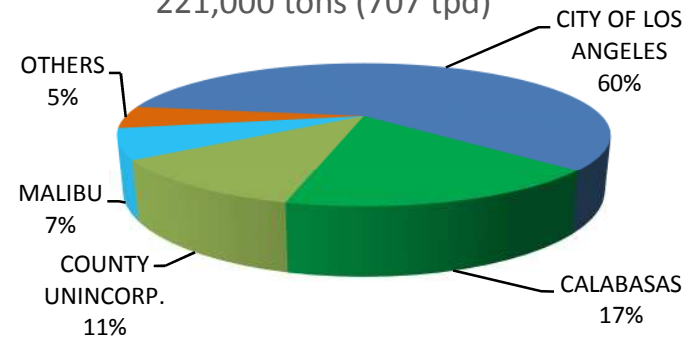
**Figure 8: Antelope Valley Landfill**

441,000 tons (1,415 tpd)



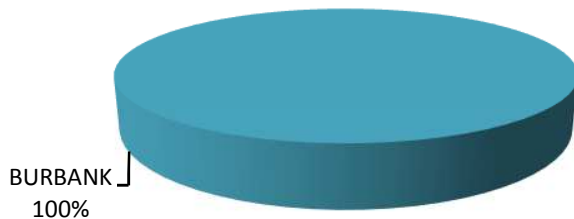
**Figure 10: Calabasas Landfill (R)**

221,000 tons (707 tpd)



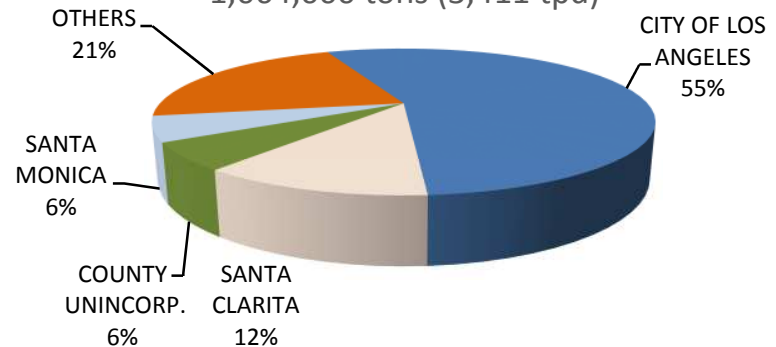
**Figure 9: Burbank Landfill (R)**

31,000 tons (100 tpd)



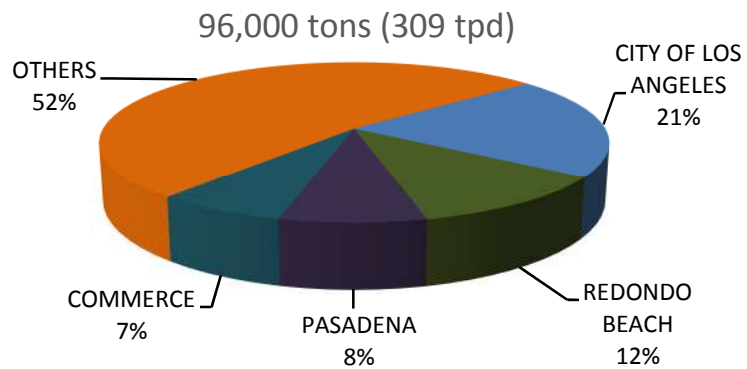
**Figure 11: Chiquita Canyon Landfill**

1,064,000 tons (3,411 tpd)



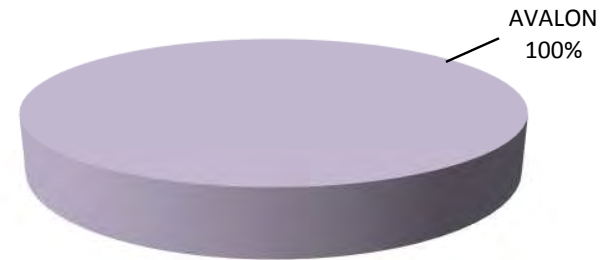
<sup>5</sup> **Wasteshed Restrictions** refers to a geographical area from which waste can logically be delivered to a given disposal facility. This term is synonymous with waste service area.

**Figure 12: Commerce Refuse-to-Energy Facility**



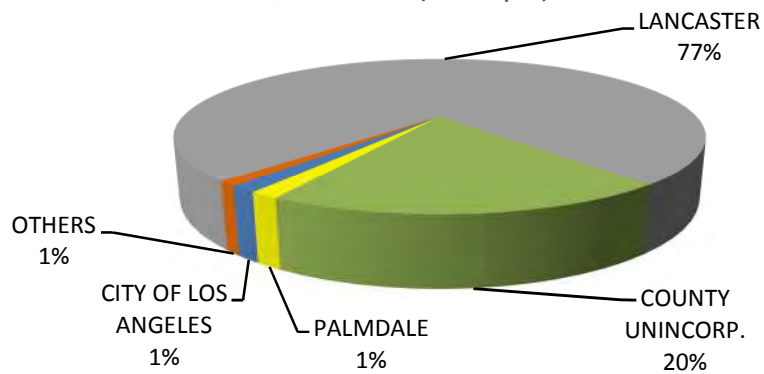
**Figure 14: Pebbly Beach Landfill**

3,000 tons (11 tpd)



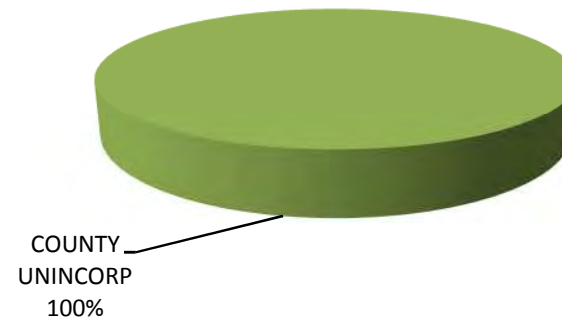
**Figure 13: Lancaster Landfill**

96,000 tons (307 tpd)



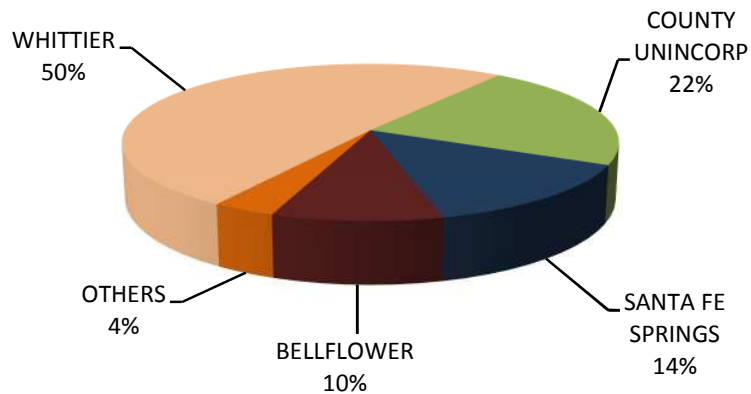
**Figure 15: San Clemente Landfill<sup>(R)</sup>**

400 tons (1 tpd)

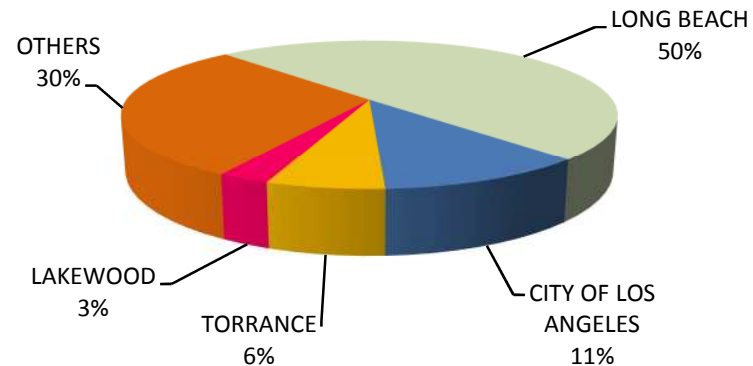


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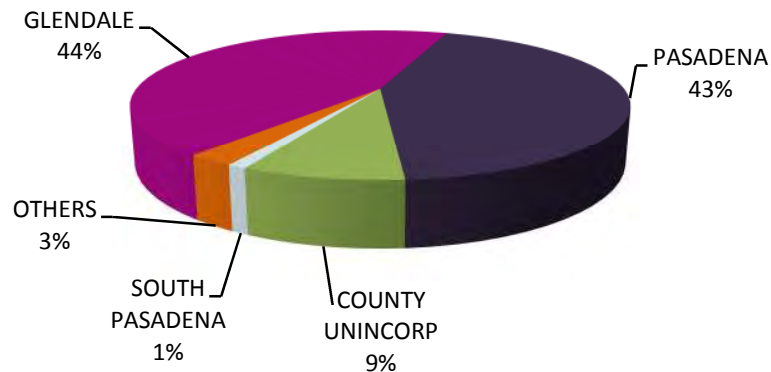
**Figure 16: Savage Canyon Landfill<sup>(R)</sup>**  
 89,000 tons (286 tpd)



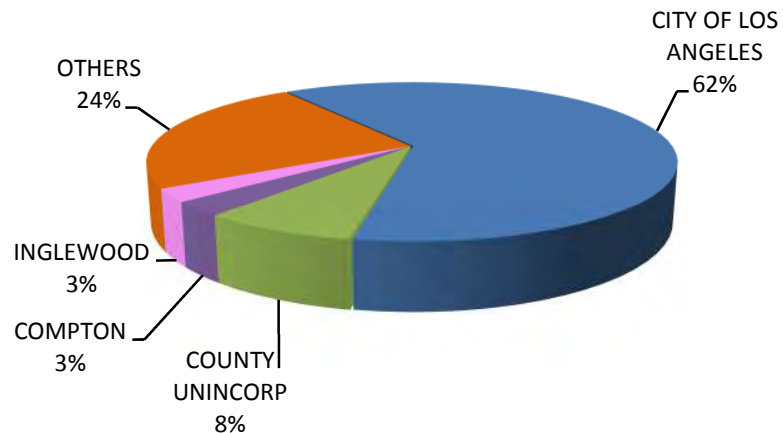
**Figure 18: Southeast Resource Recovery Facility**  
 416,000 tons (1,333 tpd)



**Figure 17: Scholl Canyon Landfill<sup>(R)</sup>**  
 233,000 tons (745 tpd)



**Figure 19: Sunshine Canyon Landfill**  
 2,366,000 tons (7,582 tpd)



**Remaining Disposal Capacity at End of 2014**

*Transformation Facilities*

Presently, two transformation facilities operate in the County (Commerce Refuse-to-Energy Facility (CREF) and Southeast Resource Recovery Facility (SERRF)) with a combined average daily solid waste intake of 1,803 tpd, which is equivalent to 562,685 tpy.

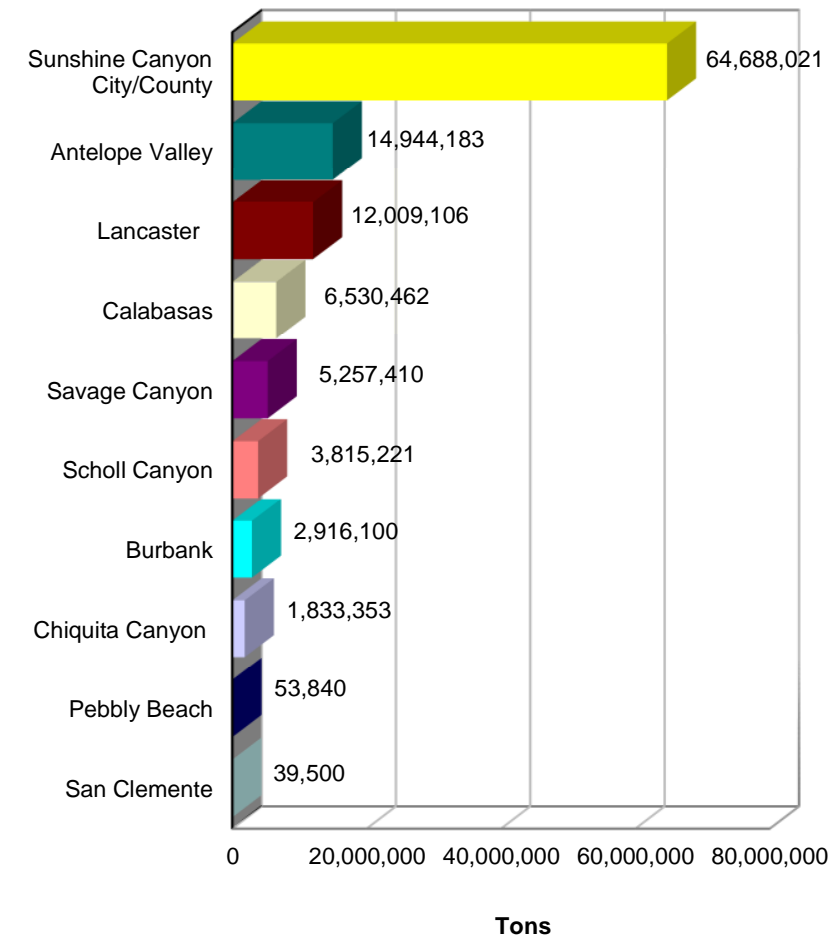
It is assumed that these two facilities will continue to operate at their current permitted daily capacity (2,003 tpd, combined) during the 2014 through 2029 planning period. The owners and operators of these facilities have indicated that there are no plans to increase the permitted daily capacity.

*Class III Landfills*

Public Works conducted a survey requesting landfill operators in the County to provide updates of their estimated remaining disposal capacities. Based on the results of the survey and considering permit restrictions, the total remaining permitted Class III landfill capacity in the County is estimated at 112 million tons.

**Figure 20** shows a breakdown of each landfill’s remaining disposal capacity, in million tons. For more detailed information, refer to **Appendix E-2, Table 1**.

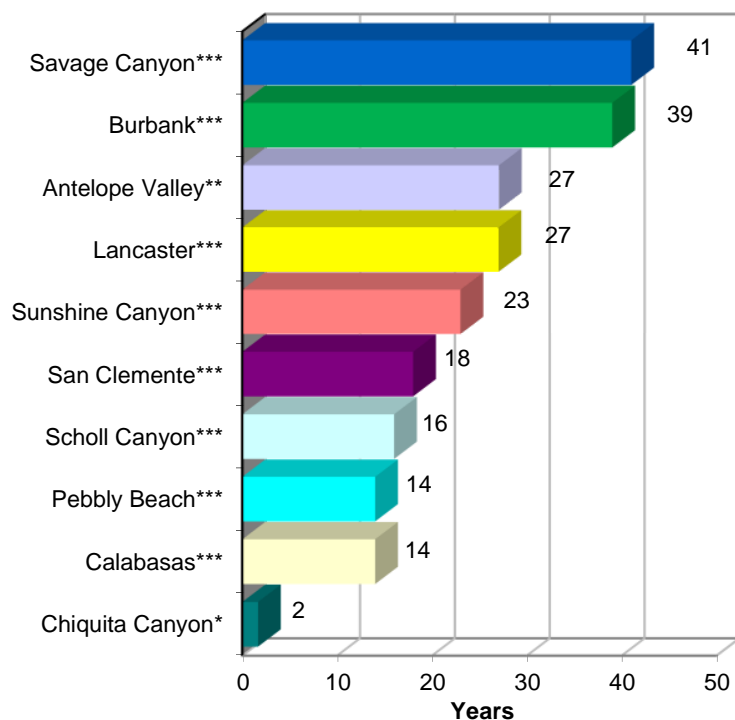
**Figure 20: Class III Landfill Estimated Remaining Disposal Capacity**



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The remaining life of each landfill is determined by dividing the landfill's remaining capacity by either its average daily disposal, maximum permitted capacity, or permit restrictions (if specified), whichever is shortest. The lifespan of each landfill is shown in **Figure 21**, below.

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



\* Landfill remaining life based on 2014 average daily disposal  
 \*\* Landfill remaining life based on maximum permitted capacity as of December 31, 2014.  
 \*\*\* Landfill remaining life based on land use/solid waste facility permit restrictions as of December 31, 2014.

*Permitted Inert Waste Landfill*

As of 2014, Azusa Land Reclamation is the only permitted Inert Waste Landfill in the County that has a full solid waste facility permit. The remaining capacity of this landfill is estimated at 59.83 million tons, or 47.86 million cubic yards. Refer to **Appendix E-2, Table 1** for detailed data. Given the remaining permitted capacity and the average disposal rate of 1,215 tpd in 2014, this landfill's capacity will be exhausted in 189 years.

*Inert Debris Facilities*

Inert debris facilities include Inert Debris Engineered Fill Operations (IDEFO) and other facilities that process inert waste and other construction and demolition waste. In 2014, inert debris facilities (excluding Azusa Land Reclamation Co. Landfill) collectively handled nearly 4.35 million tons, or approximately 3.48 million cubic yards, of material in the County. For more detailed information, refer to **Appendix E-2, Table 2** and **Appendix E-7**.

*Transfer and Processing Capacity*

There are 44 permitted Large Volume Transfer/Processing and Direct Transfer Facilities which are allowed to receive 100 tons of waste or more per operating day, and numerous facilities of smaller volume operating within the County. A *transfer station/processing facility* refers to a facility which receives, handles, separates, converts, or otherwise processes solid waste. There are three types of facilities that are recognized as transfer/processing facilities in this report: transfer stations, material recovery facilities, and construction, demolition and inert debris processing facilities. *Transfer stations* typically transfer solid waste directly from one

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container to another or from one vehicle to another for transport, or temporarily store solid waste prior to final disposal at CalRecycle-permitted landfills or transformation facilities. *Material recovery facilities* (MRF) refer to intermediate processing facilities designed to remove recyclables and other valuable materials from the waste stream. *A construction, demolition, and inert (CDI) debris processing facility* refers to a site that receives any combination of construction and demolition debris, and Type A<sup>6</sup> inert debris per operating day for the purposes of storage, handling, transferring, or processing.

In addition to the 44 facilities discussed above, there are 13 Large Volume Transfer/Processing Facilities, that fall under the umbrella of Clean Material Recovery Facilities (MRF). A *clean MRF* refers to a facility that separates materials from commingled recyclables, typically collected from residential or commercial curbside programs. As local waste disposal capacity options diminish in the County, transfer and processing facility operators are expected to export waste to out-of-County landfills via truck or rail transport. For a list and map of Large Volume Transfer and Processing facilities located within the County, refer to **Appendix E-4**.

*Composting/Chipping and Grinding and Anaerobic Digestion Facilities*

The County has 20 operational Composting/Chipping and Grinding Facilities which are permitted to receive 100 tons of waste or more per operating day, and numerous composting/chipping and grinding facilities of smaller volume. A *composting facility* refers to a facility that processes organic materials such as green waste, manure, food waste and other organics and transforms them through controlled biological decomposition for sale as an end product, usually in the form of home or farm soil amendments. A *chipping and grinding facility* refers to a facility that separates, grades and resizes woody green waste or used lumber to be sent to a composting facility, used at a landfill for Alternative Daily Cover (ADC) or sent to miscellaneous end markets such as feedstock at biomass to energy plants.

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

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<sup>6</sup> Type A inert debris includes, but is not limited to, concrete (including fiberglass or steel reinforcing bar embedded in the concrete), fully cured asphalt, crushed glass, fiberglass, asphalt or fiberglass roofing shingles, brick, slag, ceramics, plaster, and clay products.

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

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

**Conservation of Capacity**

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

**On-Site Reuse**

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

**Establishment of:**

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

**Activities to Encourage Proper Disposal**

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

**Provide Funding for:**

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

Active Class III landfills that have a Waste Plan Conformance Agreement with the County include Chiquita Canyon, Lancaster, and Sunshine Canyon City/County Landfills. Together, these landfills handle over 75 percent of in-County Class III waste. Due to the dynamic and varied nature of solid waste management in the County, the provisions of the Waste Plan Conformance Agreement for each landfill are tailored to meet the specific needs of the communities serviced by the landfill.

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

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

This section discusses strategies on how the County plans to maintain adequate solid waste disposal capacity for the next 15 years, from 2014 to 2029. It includes an analysis which considers recently passed legislation, such as the mandatory commercial recycling and diversion of organic waste from landfills through organics recycling programs, as well as information contained in the State of Disposal and State of Recycling in California reports released by CalRecycle in March 2015. The discussion first evaluates whether the existing permitted disposal capacity in the County will be able to accommodate the solid waste generated that cannot be reduced, reused, or recycled. Additionally, an evaluation of the existing disposal infrastructure and the current diversion rate analyzes whether there will be daily disposal capacity shortfall or reserve. The discussion goes on to present several scenarios applying various options for managing the residual solid waste (Inert waste landfills are not included in this discussion since the County currently has adequate permitted inert waste landfill capacity, as discussed earlier in **Permitted Inert Waste Landfill** (Page 32)).

### *Definitions*

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

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

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

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

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

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

### **Evaluation of Existing Disposal Infrastructure**

#### *Waste Generation Projections*

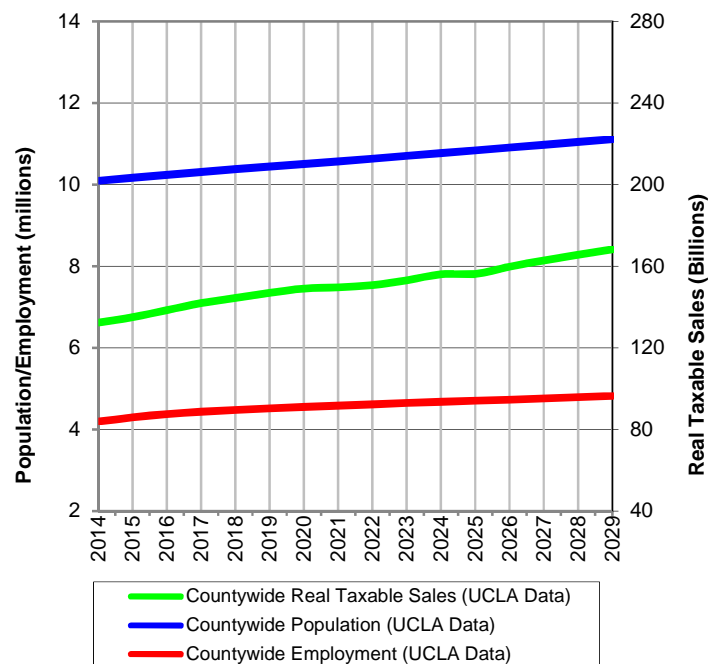
Projections of solid waste generation during the planning period were made using the “Adjustment Methodology” developed by CalRecycle. The Methodology requires knowledge of how the generated waste is distributed into the residential and non-residential sectors as well as future population, employment,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

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Population, employment, and real taxable sales projections are available from the California Department of Transportation (Caltrans) and UCLA for each year of the planning period. The UCLA Long-Term Forecast, published in July 2014, was used since it focuses on the Los Angeles region, in contrast with the Caltrans' forecast, which is statewide and yields more general projections. Additionally, the UCLA forecast data is updated more frequently. **Figure 22**, below, shows a graph of the parameters used in the analysis. The detailed data is provided in **Appendix E-2, Table 4**.

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



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

Residential Sector Waste Generation = 30 percent of total waste generation

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

#### *Daily Disposal Demand Projections*

The quantity of Daily Disposal Demand depends on the amount of solid waste that may be diverted. As noted in **Waste Generation** (Page 25), a diversion rate of 60 percent was assumed for the analysis in this report. With this assumption, the amount of residual waste that requires disposal capacity is 40 percent of the projected waste generation.

#### *Transformation Facility Capacity*

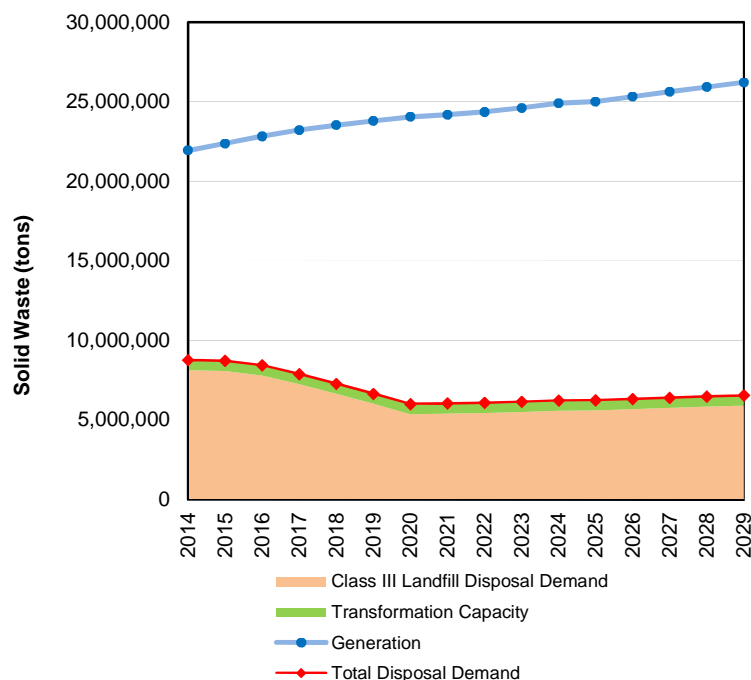
For the purposes of the analysis, as explained earlier in **Remaining Disposal Capacity at End of 2014** (Page 31), the two transformation facilities in the County (CREF and SERRF) are assumed to provide up to 2,003 tpd of combined Daily Available Capacity throughout the planning period.

#### *Class III Landfill Capacity Need*

Assuming no other options are available, such as exporting to out-of-County facilities or the development of new alternative technologies, the County's Class III landfill disposal needs are determined after considering the available transformation

capacity. The result of the evaluation is plotted in **Figure 23**, below. The detailed data is provided in **Appendix E-2, Table 5**.

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



In **Figure 23**, the area in peach illustrates the amount of disposal capacity needed from Class III landfills throughout the planning period. The analysis shows that the cumulative need for Class III landfill disposal capacity, approximately 100 million tons, will not exceed the 2014 remaining permitted Class III landfill capacity of 112 million tons (Page 31). Refer to **Appendix E-2, Table 5**.

Although there is no expected daily landfill capacity shortfall during the planning period, there are constraints that may limit the accessibility of Class III landfill capacity. These constraints include washed boundaries, geographic barriers, weather, and natural disasters. Therefore, further detailed analysis that incorporates capacity options in addition to existing in-County infrastructure and permit constraints is necessary to provide a more thorough evaluation.

### Scenario Analysis

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

**Existing in-County Class III Landfills and Transformation Facilities** – The analysis takes into account a facility’s permitted capacity, termination date, and washed restriction, if any.

**Proposed Expansions of In-County Class III Landfills** – The analysis assumes additional disposal capacity that may be provided by proposed landfill expansions. A detailed discussion is provided in **Proposed Facility Expansions** (Page 22).

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

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more detail, refer to **Out-of-County Disposal Facilities** (Page 48).

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

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

Given all the various capacity options, the analysis evaluated seven potential scenarios during the 15-year planning period. The table below, labeled **Scenario Comparison Table**, summarizes the differences between the scenarios.

For all seven scenarios, the projected waste generation remains the same. The analysis closely examines how much Daily Available Capacity from existing Class III landfills is expected to be utilized during each year (No new landfills are expected to be permitted in the County during the planning period). The

analysis ultimately evaluate whether we expect a reserve or shortfall in the Class III Landfill disposal capacity by assessing whether or not the Daily Disposal Demand can be met for each year during the 15-year planning period.. For more detail, refer to **Appendix E-3 Disposal Capacity Analysis Scenarios**.



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**Scenario Comparison Table**

| Scenario No.  | Existing Permitted In-County Disposal Capacity | Diversion Rate (75 percent by 2020) <sup>9</sup> | Exports to Out-of-County Landfills | Proposed Expansions of in-County Class III Landfills | Utilization of Additional Alternative Technology Capacity | Increase in Exports to Out-of-County Landfills |
|---|--|--|------------------------------------|--|---|--|
| I<br>Utilization of Permitted In-County Disposal Capacity Only        | ✓  | ✓  |                                    |  |   |  |
| II<br>Status Quo Scenario   | ✓  | ✓  | ✓                                  |  |   |  |
| III<br>Meeting CalRecycle's Statewide Disposal Target of 2.7 PPD      | ✓  | ✓  | ✓                                  |  |   |  |
| IV<br>Proposed In-County Class III Landfill Expansions                | ✓  | ✓  | ✓                                  | ✓  |   |  |
| V<br>Utilization of Additional Alternative Technology Capacity        | ✓  | ✓  | ✓                                  |  | ✓   |  |
| VI<br>Increase in Exports to Out-of-County Landfills                  | ✓  | ✓  | ✓                                  |  |   | ✓  |
| VII<br>All Solid Waste Management Options Considered Become Available | ✓  | ✓  | ✓                                  | ✓  | ✓   | ✓  |

<sup>9</sup> Scenario III assumes an increase in diversion rate (78 percent by 2020) in order to meet CalRecycle's Statewide Disposal Target of 2.7 pounds per person per day.

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

##### Assumptions/Considerations:

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

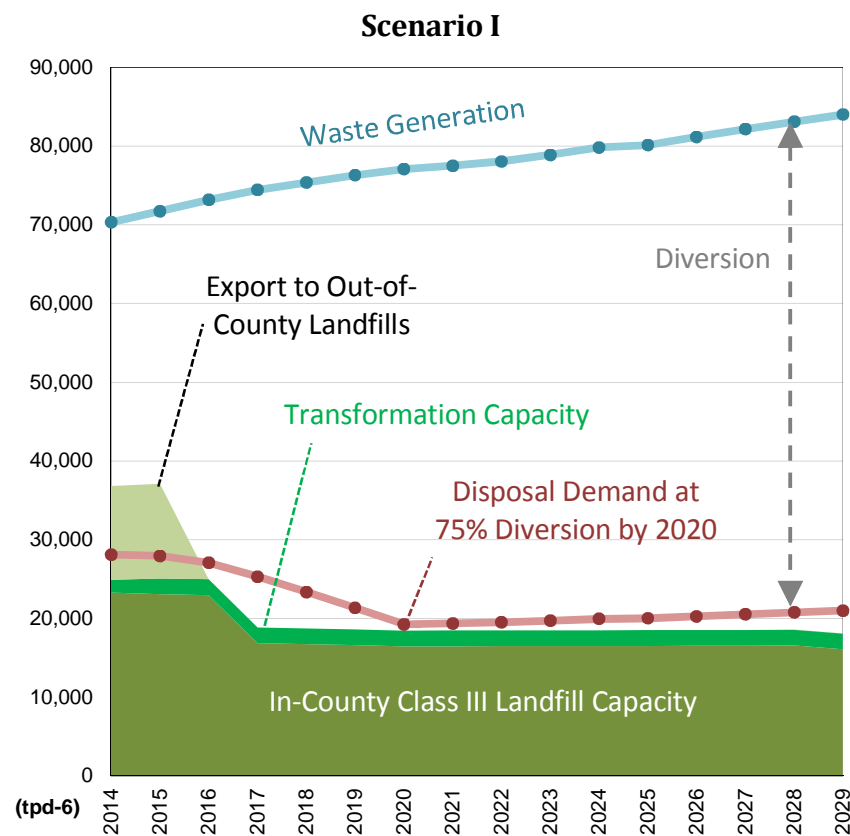
Scenario I assumes that all solid waste disposed will be managed by existing permitted in-County disposal infrastructure only. The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a gradual increase of the countywide diversion rate to 75 percent by 2020, and no expansions of existing landfills.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd. For the purposes of this scenario, it is assumed that the use of available out-of-County disposal capacity will *not* continue through the remainder of the planning period.

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



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*Scenario II - Status Quo*

**Assumptions/Considerations:**

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

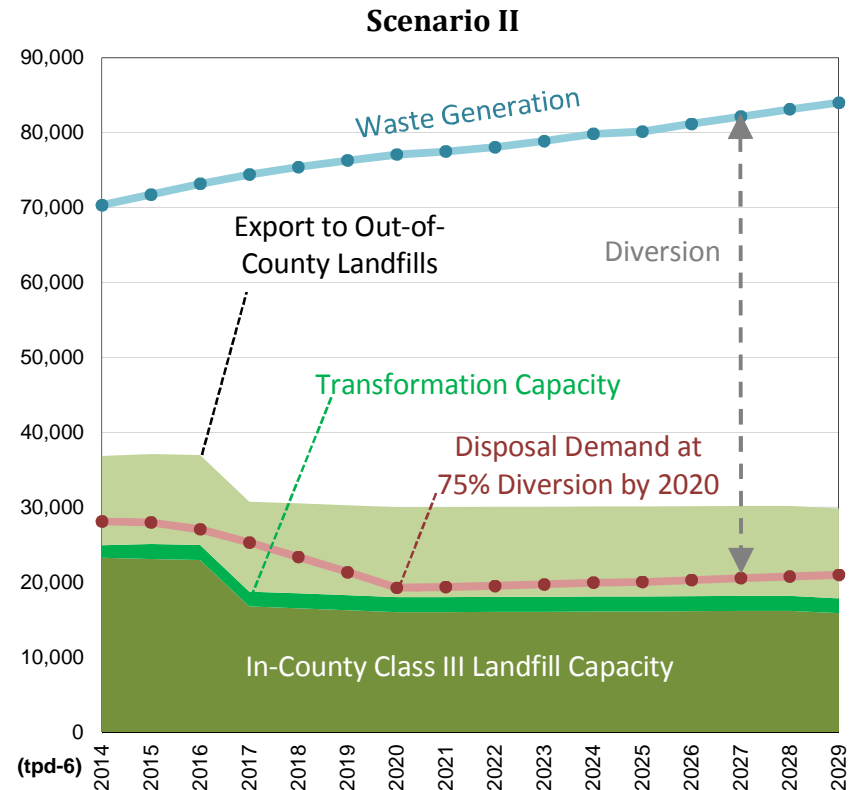
Scenario II assumes that all solid waste disposed will be managed by existing permitted in-County disposal infrastructure and available out-of-County landfill capacity. The scenario assumes continued diversion efforts by individual jurisdictions, resulting in a gradual increase of the countywide diversion rate to 75 percent by 2020, and no expansions of existing landfills.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period.

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



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

**Assumptions/Considerations:**

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

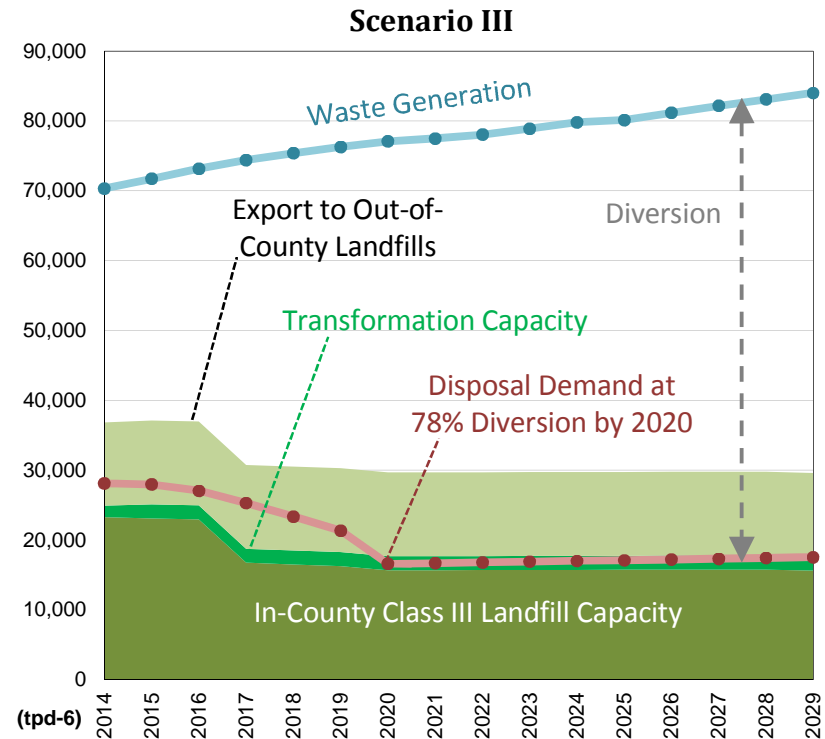
Along with the assumptions mentioned in Scenario II, Scenario III assumes aggressive diversion efforts by individual jurisdictions in order to achieve CalRecycle's statewide disposal target of 2.7 PPD, resulting in a sudden increase of the countywide diversion rate to 78 percent in 2020. This scenario also assumes no expansions of existing landfills.

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

**Imports** –The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period.

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



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*Scenario IV – Proposed In-County Class III Landfill Expansions*

**Assumptions/Considerations:**

- Proposed Expansions of In-County Class III Landfills

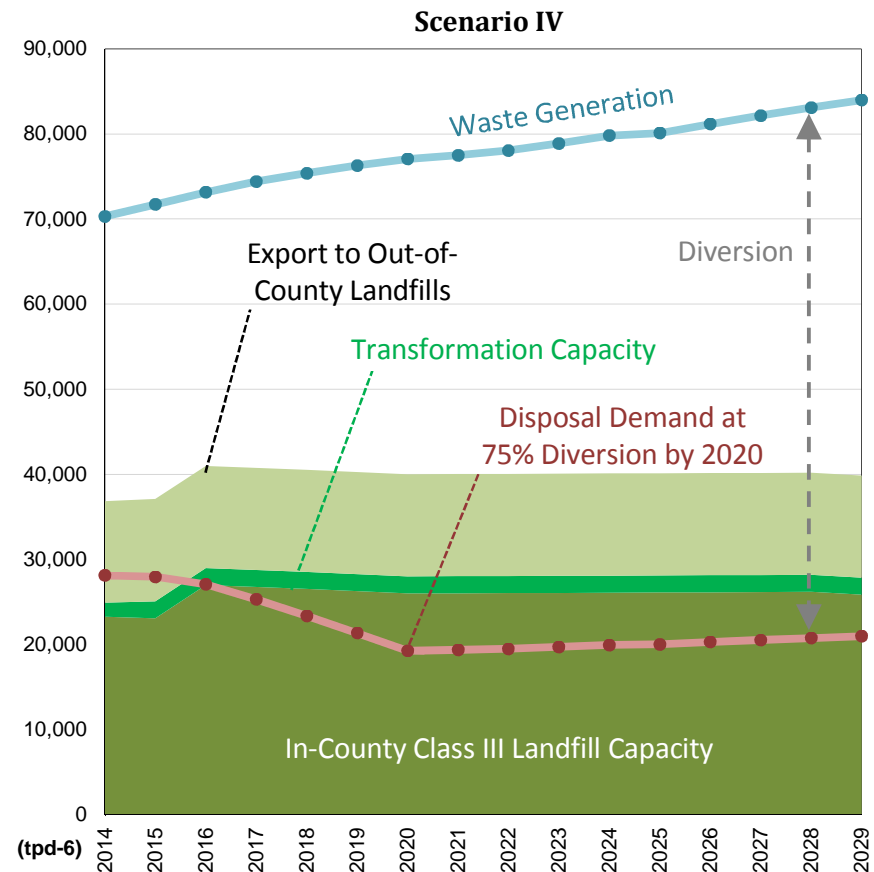
Along with the assumptions mentioned in Scenario II, Scenario IV assumes the use of additional capacity from proposed expansions of existing in-County Class III Landfills.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period.

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



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*Scenario V – Utilization of Additional Alternative Technology Capacity*

**Assumptions/Considerations:**

- Additional Alternative Technology Capacity

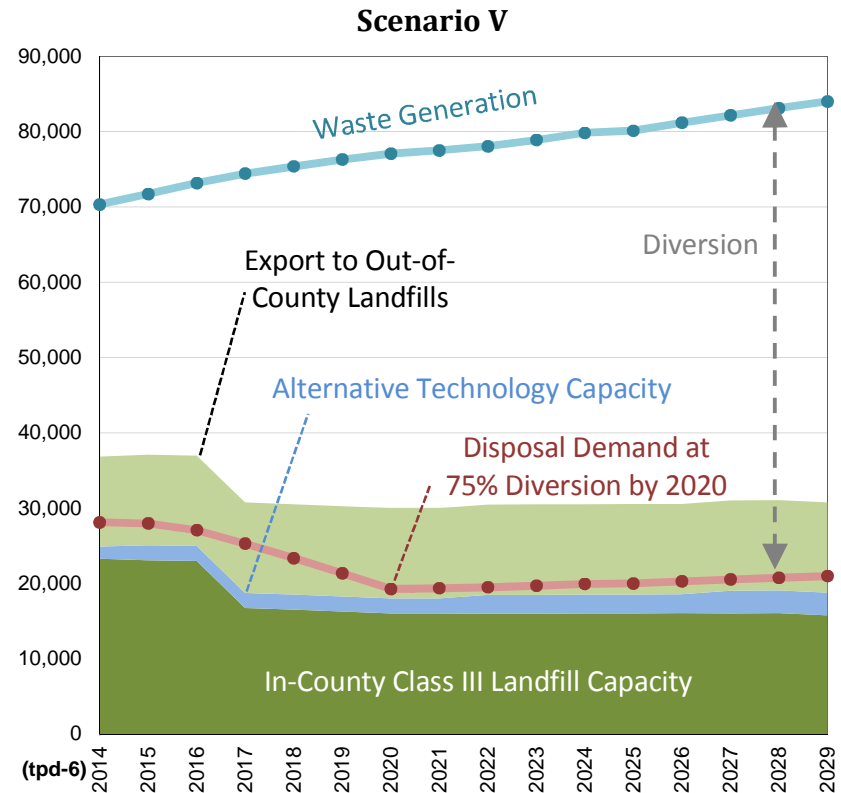
Along with the assumptions mentioned in Scenario II, Scenario V assumes the use of additional capacity from potential EMSW conversion facilities or other alternative technology facilities. The disposal capacity from anaerobic digestion facilities is considered to be part of the diversion rate since the process of anaerobic digestion fits within the statutory definition of composting, which is considered “recycling”.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period.

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



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

**Assumptions/Considerations:**

- Increase in Exports to Out-of-County Landfills (including potential waste-by-rail capacity)

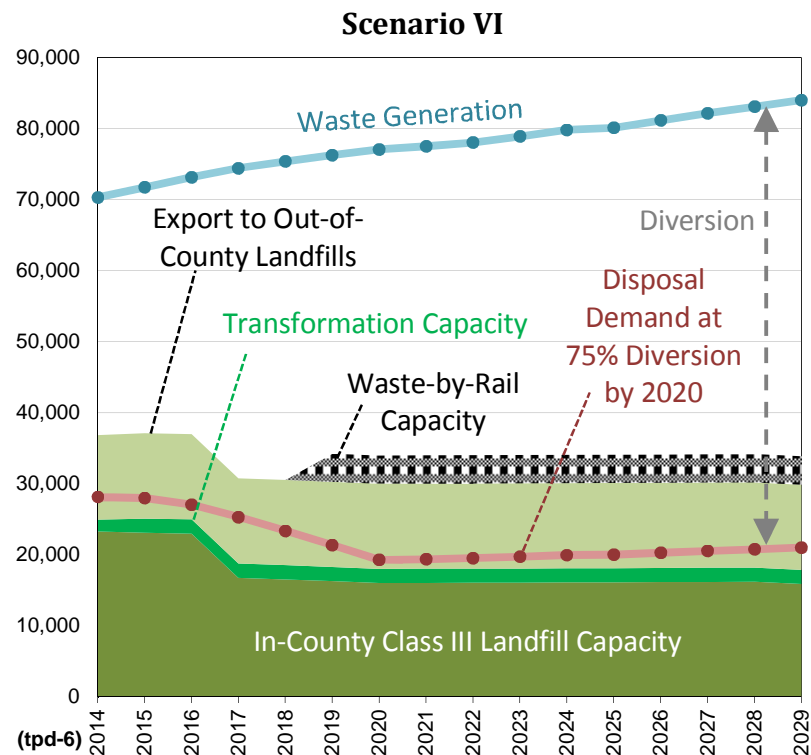
Along with the assumptions mentioned in Scenario II, Scenario VI assumes additional disposal capacity of 4,000 tpd through the waste-by-rail system.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period. In addition, a potential waste-by-rail capacity of 4,000 tpd is assumed to be available in the future.

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



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

**Assumptions/Considerations:**

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

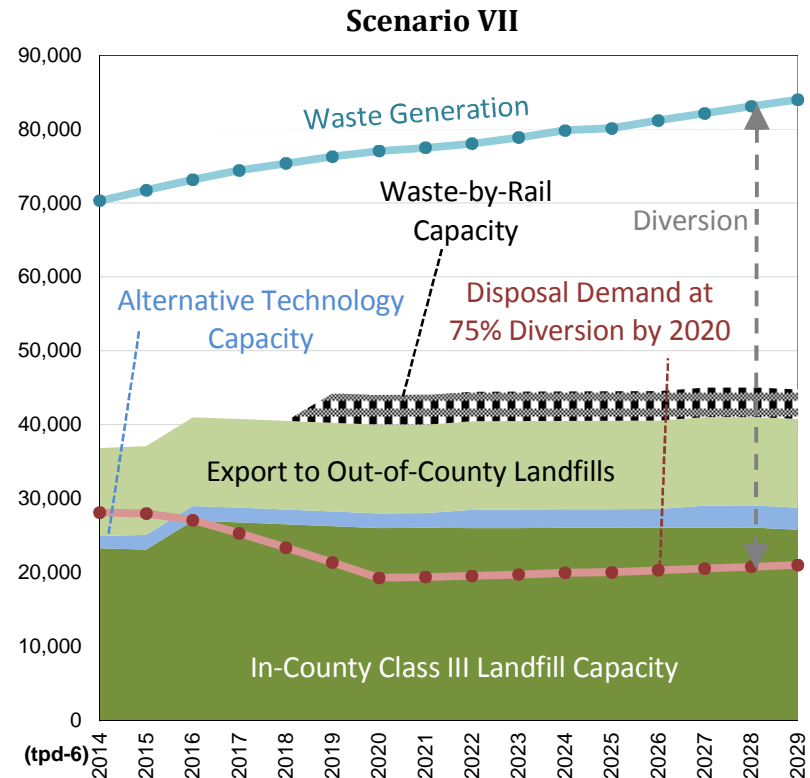
Scenario VII considers all solid waste management options become available throughout the entire planning period.

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

**Imports** – The average waste import rate for 2014 was 371 tpd. However, for purposes of this analysis, the amount of waste imported to in-County landfills is projected to be at 500 tpd every year for the remainder of the planning period.

**Exports** – The amount of waste exported to out-of-County landfills in 2014 was approximately 11,859 tpd and it is assumed to be exported at a rate of 12,000 tpd through the remainder of the planning period. In addition, a potential waste-by-rail capacity of 4,000 tpd is assumed to be available in the future.

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



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#### Out-of-County Disposal Facilities

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

*El Sobrante Landfill, Riverside County (Active)* – The landfill has an estimated remaining capacity of 170 million tons and an expected design lifespan of about 60 years, as of December 31, 2014. It is permitted to receive 16,054 tpd of waste for disposal. In 2014, the landfill received an average of 6,351 tpd, of which 2,989 tpd were imported from Los Angeles County.

*Frank R. Bowerman Sanitary Landfill, Olinda Alpha Sanitary Landfill, and Prima Deshecha Sanitary Landfill, Orange County (Active)* – These three landfills have estimated remaining capacities of 187 million tons, 23 million tons, and 79 million tons, and have expected remaining lives of 52, 15, and 100 years, respectively. The permitted daily disposal of each respective landfill is 11,500 tpd, 8,000 tpd, and 4,000 tpd. Currently, Orange County has waste importation agreements with various entities in Los Angeles County. In 2014, Frank R. Bowerman Sanitary Landfill, Olinda Alpha Sanitary Landfill, and Prima Deshecha Sanitary Lanfill received 6,338 tpd, 6,653 tpd, and 1,240 tpd, respectively, of which, 1,487 tpd, 3,331 tpd, and 41 tpd were from Los Angeles County.

*H.M. Holloway Landfill, Inc., Kern County (Active)* – The landfill has a remaining capacity of 2 million tons and an expected

design lifespan of about 10 years, as of December 31, 2014. It is permitted to receive 2,000 tpd of waste for disposal. In 2014, the landfill received an average of 318 tpd, of which 186 tpd were imported from Los Angeles County.

*Mid-Valley Sanitary Landfill and San Timoteo Sanitary Landfill, San Bernardino County (Active)* – Both landfills have a combined remaining capacity of 49 million tons. Mid-Valley has an expected remaining design life of 25 years, while San Timoteo has one of 23 years. The landfills are permitted to dispose of 7,500 tpd and 2,000 tpd, respectively. In 2014, both Mid Valley Sanitary Landfill and San Timoteo Sanitary Landfill received a combined average of 3,710 tpd of solid waste, of which 2,478 tpd was from Los Angeles County.

*Simi Valley Landfill & Recycling Center, Ventura County (Active)* – The landfill has a remaining capacity of 53 million tons and an expected design lifespan of about 60 years, as of Decmeber 2014. It is permitted to receive a maximum of 6,000 tpd of waste for disposal. The landfill received an average of 2,442 tpd of solid waste, of which 1,072 tpd were imported from Los Angeles County in 2014.



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*Mesquite Regional Landfill, Imperial County (Not yet active) –*

The Sanitation Districts acquired the landfill in 2002 and completed construction of all infrastructures on December 24, 2008. The landfill is permitted to accept up to 20,000 tpd and has a total disposal capacity of 660 million tons, which is equivalent to a lifespan of nearly 109 years.

For more detailed data on these facilities, refer to **Appendix E-2, Table 3** for more detailed data.

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## Conclusion

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

As demonstrated by the analysis, the County would be able to meet the disposal needs of all jurisdictions through the 15-year planning period for Scenarios II through VII. However, as demonstrated by Scenario I, reliance on existing permitted in-County landfill capacity *alone* is insufficient in meeting the County's long-term disposal needs.

In order to maintain adequate disposal capacity, individual jurisdictions within the County must continue to pursue all of the following strategies:

- ❖ **Maximize Waste Reduction and Recycling** – An increase in the Countywide diversion rate could significantly reduce the Daily Disposal Demand, extend landfill life, and ensure that the County, as a whole, will be able to meet the disposal needs of its residents and businesses. Therefore, all jurisdictions are strongly encouraged to continue to expand and enhance programs to maximize diversion.
- ❖ **Expand Existing Landfills** – Expanded landfill capacity is necessary, provided it can be done in a technically feasible and environmentally safe manner.
- ❖ **Study, Promote, and Develop Alternative Technologies** – The development of commercial-scale state-of-the-art conversion technologies as a convenient alternative to landfilling appears to be an attainable goal. Jurisdictions must invest and actively participate in the research, promotion, and development of alternative technology facilities by:
  - Supporting legislation that places these facilities above landfilling in the waste management hierarchy;
  - Entering into waste commitment agreements; and
  - Establishing partnerships with facilities and technology vendors.
- ❖ **Expand Transfer and Processing Infrastructure** – Development of additional in-County solid waste management infrastructure, such as transfer/processing, composting, and anaerobic digestion facilities, to assist jurisdictions in achieving higher diversion rates and facilitate the transport of solid waste to out-of-County landfills.
- ❖ **Out-of-County Disposal (including Waste-by-Rail)** – Individual jurisdictions within the County may use the out-of-County disposal option to achieve their solid waste management goals. Out-of-County disposal may not only be essential for the disposal of residual solid waste originating

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within the County in the future, but it may also supplement and extend the life of the current in-County disposal capacity. As the disposal capacity within the County continues to diminish, and the siting of new and/or expansion of existing Class III landfills becomes increasingly difficult, out-of-County disposal options, such as the waste-by-rail system, will become more essential to meet the County's disposal needs.

The assumptions made on the scenario analysis are consistent with the goals and policies established in the CSE as well as recently passed legislation, such as mandatory commercial recycling and the diversion of organic waste from landfills through organics recycling programs, as well as information contained in CalRecycle's State of Disposal and State of Recycling in California Reports, released on March 2015. The County acknowledges that although all the scenarios assume an increase in diversion rate, there will be significant challenges in developing the processing capacity needed by the 2020 deadline. Therefore, maintaining adequate reserve (excess) capacity will be essential in ensuring that the disposal needs of the County are met throughout the 15-year planning period.

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

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



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## **Appendix E-1 Solid Waste Facility Fact Sheets**

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

**1. FACILITY INFORMATION**

|   |   |
|---|---|
| <b>Owner:</b> Waste Management of California, Inc.            | <b>Operator:</b> Waste Management of California, Inc. |
| <b>Address:</b> 1200 West City Ranch Road, Palmdale, CA 93551 | <b>Operating Days:</b> Monday-Saturday                |
| <b>SWFP No:</b> 19-AA-5624                                    | <b>SWFP Issue Date:</b> 11/16/2011                    |
| <b>Last 5-year Review Date:</b> 11/16/2011                    | <b>5-year Review Due Date:</b> 11/16/2016             |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

|                                      |  |                        |
|--------------------------------------|--|------------------------|
| <b>Remaining Permitted Capacity:</b> | 14,944,183 tons  | 22,991,651 cubic yards |
| <b>Estimated Remaining Life:</b>     | 27 years (based on maximum permitted rate of disposal of 1,800 tpd, 307 days per year) |                        |
| <b>In-Place Density:</b>             | 0.65 tons/cubic yard   |                        |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                |                       |
|---------------------------|----------------|-----------------------|
| <b>Daily:</b>             | 1,800 tons     | [2,769 cubic yards]   |
| <b>Yearly Equivalent:</b> | [561,600 tons] | [864,000 cubic yards] |

**4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |            |                     |
|---------------------------------|------------|---------------------|
| <b>Daily (based on 6 days):</b> | 1,433 tons | [2,205 cubic yards] |
|---------------------------------|------------|---------------------|

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

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

**6. WASTE DISCHARGE REQUIREMENTS**

|                              |                              |
|------------------------------|------------------------------|
| <b>Order No.:</b> 6-95-119A2 | <b>Effective:</b> 10/10/2001 |
|------------------------------|------------------------------|

**7. FOC GRANT DATE – 11/17/2011**

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

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

**10. RESTRICTIONS - There is no washed or restriction on origin of waste. Based on the SWFP, the landfill is permitted to receive 1,800 tpd of MSW and 1,764 tpd of materials for recycling and beneficial use.**

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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### Los Angeles County Countywide Integrated Waste Management Plan

#### *Azusa Land Reclamation Company Landfill*

##### 1. FACILITY INFORMATION

**Owner:** Azusa Land Reclamation Inc.

**Operator:** Azusa Land Reclamation Inc.

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

**Operating Days:** Monday-Friday

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

**SWFP Issue Date:** 06/28/1996

**Last 5-year Review Date:** 03/10/2011

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

##### 2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)

|                                      |   |                        |
|--------------------------------------|---|------------------------|
| <b>Remaining Permitted Capacity:</b> | 59,825,036 tons   | 47,860,029 cubic yards |
| <b>Estimated Remaining Life:</b>     | 31 years (based on the current SWPF estimated closure date) |                        |
| <b>In-Place Density:</b>             | 1.25 tons/cubic yard  |                        |

##### 3. MAXIMUM PERMITTED DAILY CAPACITY

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 6,500 tons       | [5,200 cubic yards]     |
| <b>Yearly Equivalent:</b> | [2,028,000 tons] | [1,622,400 cubic yards] |

##### 4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)

|                                 |            |                   |
|---------------------------------|------------|-------------------|
| <b>Daily (based on 6 days):</b> | 1,012 tons | [810 cubic yards] |
|---------------------------------|------------|-------------------|

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

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

**Effective:** 01/27/1984

**Expiration:** None

##### 6. WASTE DISCHARGE REQUIREMENTS

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

**Effective:** 09/03/2009

##### 7. FOC GRANT DATE – 05/16/1996

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

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

##### 10. RESTRICTIONS - 6,500 tpd per SWFP. Only accepts inert solid waste.

##### 11. REMARKS/STATUS - By Court Order, on October 2, 1996, the California Regional Water Quality Control Board-Los Angeles region ordered the Azusa Land Reclamation Landfill to stop accepting Municipal Solid Waste. Permitted daily capacity of 6,500 tpd consists of 6,000 tpd of refuse and 500 tpd of inert waste. Facility currently accepts inert waste only.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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*Burbank Landfill No. 3*

1. **FACILITY INFORMATION**

|   |   |
|---|---|
| <b>Owner:</b> City of Burbank - DPW                         | <b>Operator:</b> City of Burbank - DPW    |
| <b>Address:</b> 1600 Lockheed View Drive, Burbank, CA 90745 | <b>Operating Days:</b> Monday-Friday      |
| <b>SWFP No.:</b> 19-AA-0040                                 | <b>SWFP Issue Date:</b> 06/03/1997        |
| <b>Last 5-year Review Date:</b> 07/11/2011                  | <b>5-year Review Due Date:</b> 07/11/2016 |

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

|                                      |   |                       |
|--------------------------------------|---|-----------------------|
| <b>Remaining Permitted Capacity:</b> | [2,916,100 tons]  | 5,302,000 cubic yards |
| <b>Estimated Remaining Life:</b>     | 39 years (based on the current SWFP estimated closure date) |                       |
| <b>In-Place Density:</b>             | 0.55 tons/cubic yard  |                       |

3. **MAXIMUM PERMITTED DAILY CAPACITY**

|                           |          |                       |
|---------------------------|----------|-----------------------|
| <b>Daily:</b>             | 240 tons | [436 cubic yards]     |
| <b>Yearly Equivalent:</b> | [62,400] | [113,455 cubic yards] |

4. **2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |          |                   |
|---------------------------------|----------|-------------------|
| <b>Daily (based on 6 days):</b> | 100 tons | [182 cubic yards] |
|---------------------------------|----------|-------------------|

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

|                            |                              |                         |
|----------------------------|------------------------------|-------------------------|
| <b>Permit No.:</b> 2000-16 | <b>Effective:</b> 11/13/2000 | <b>Expiration:</b> None |
|----------------------------|------------------------------|-------------------------|

6. **WASTE DISCHARGE REQUIREMENTS**

|                                |                              |
|--------------------------------|------------------------------|
| <b>Order No.:</b> 93-062       | <b>Effective:</b> 09/27/1993 |
| <b>Order No.:</b> R4-2002-0154 | <b>Effective:</b> 09/26/2002 |
| <b>Order No.:</b> R4-2006-0007 | <b>Effective:</b> 01/19/2006 |
| <b>Order No.:</b> R4-2011-0052 | <b>Effective:</b> 03/03/2011 |

7. **FOC GRANT DATE** – 12/18/1986

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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*Calabasas Landfill*

1. **FACILITY INFORMATION**

**Owner:** County of Los Angeles

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

**Address:** 5300 Lost Hills Road, Agoura, CA 91301  
(Los Angeles County unincorporated area)

**Operating Days:** Monday-Saturday

**SWFP No.:** 19-AA-0056

**SWFP Issue Date:** 08/11/2009

**Last 5-year Review Date:** 08/11/2009

**5-year Review Due Date:** 08/11/2014

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

**Remaining Permitted Capacity:** 6,530,462 tons 14,554,437 cubic yards  
**Estimated Remaining Life:** 14 years (based on current SWFP estimated closure date)  
**In-Place Density:** 0.449 tons/cubic yard

3. **MAXIMUM PERMITTED DAILY CAPACITY**

**Daily:** 3,500 tons [7,795 cubic yards]  
**Yearly Equivalent:** [1,092,000 tons] [2,432,071 cubic yards]

4. **2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

**Daily (based on 6 days):** 748 tons [1,666 cubic yards]

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

**Permit No.:** 5022-(5) **Effective:** 08/23/1972 **Expiration:** None

6. **WASTE DISCHARGE REQUIREMENTS**

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

7. **FOC GRANT DATE** – None

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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Los Angeles County Countywide Integrated Waste Management Plan

*Chiquita Canyon Landfill*

1. **FACILITY INFORMATION**

**Owner:** Waste Connections, Inc. **Operator:** Waste Connections, Inc.  
**Address:** 29201 Henry Mayo Drive, Castaic, CA 91384  
(Los Angeles County unincorporated area) **Operating Days:** Monday-Saturday  
**SWFP No.:** 19-AA-0052 **SWFP Issue Date:** 09/30/1998  
**Last 5-year Review Date:** 10/18/2011 **5-year Review Due Date:** 10/18/2016

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

**Remaining Permitted Capacity:** 1,833,353 tons 2,107,302 cubic yards  
**Estimated Remaining Life:** 2 years (based on average daily disposal of 3,558 tpd, 312 days per year)  
**In-Place Density:** 0.87 tons/cubic yard

3. **MAXIMUM PERMITTED DAILY CAPACITY**

**Daily:** 6,000 tons [6,897 cubic yards]  
**Weekly:** 30,000 tons  
**Yearly Equivalent:** 1,560,000 tons [1,793,103 cubic yards]

4. **2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

**Daily (based on 6 days):** 3,558 tons [4,090 cubic yards]

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

**Permit No.:** 89-081(5) **Effective:** 11/21/2000 **Expiration:** 11/24/2019 or when the maximum capacity is reached, whichever is sooner.

6. **WASTE DISCHARGE REQUIREMENTS**

**Order No.:** 93-062 **Effective:** 09/27/1993  
**Order No.:** 98-086 **Effective:** 11/02/1998  
**Order No.:** R4-2006-0007 **Effective:** 01/19/2006  
**Order No.:** R4-2011-0052 **Effective:** 03/03/2011

7. **FOC GRANT DATE** - 02/16/1998

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

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

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

11. **REMARKS/STATUS** - On December 5, 2008, Republic Services, Inc. merged with Allied Waste Industries, Inc. Due to the merger, Republic Services must divest Chiquita Canyon Landfill. On February 6, 2009, Republic Services and Waste Connections signed a definitive agreement providing for the sale of the Chiquita Canyon Landfill to Waste Connections, Inc. LUP limits waste disposal to 30,000 tons per week.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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### Los Angeles County Countywide Integrated Waste Management Plan

#### *Proposed Chiquita Canyon Landfill Expansion*

1. **FACILITY TYPE** - Class III landfill
2. **OWNER/OPERATOR** – Waste Connections, Inc.
3. **LOCATION** - 29201 Henry Mayo Drive, Castaic, CA 91355 (Los Angeles County Unincorporated Area)
4. **SIZE**

|  |           |                   |
|--|-----------|-------------------|
| <b>Increase in Proposed Disposal Area:</b> | 143 acres | (Total 400 acres) |
| <b>Increase in Total Acreage of Site:</b>  | 0 acres   | (Total 639 acres) |
| <b>Increase in Vertical Elevation:</b>     | 143 feet  |                   |
5. **PROPOSED VOLUMETRIC CAPACITY**

|                                      |                      |                         |
|--------------------------------------|----------------------|-------------------------|
| <b>Daily:</b>                        | 12,000 tons          | [18,182 cubic yards]    |
| <b>Weekly:</b>                       | 60,000 tons          | [90,909 tons]           |
| <b>Yearly Equivalent:</b>            | [3,120,000 tons]     | [4,727,273 cubic yards] |
| <b>Additional Facility Capacity:</b> | [48,114,000 tons]    | 72,900,000 cubic yards  |
| <b>In-Place Density:</b>             | 0.66 tons/cubic yard |                         |
6. **LAND USE/CONDITIONAL USE PERMIT** – **Effective:** 11/21/2000    **Expiration:** 11/24/2019.
7. **LIFE EXPECTANCY** – An additional of 43 years based on 2014 average daily disposal of 3,558 tpd or 15 years based on the maximum permitted rate of disposal of 10,000 tpd.
8. **EXPANSION OPTIONS** - Proposed horizontal and vertical expansion of disposal area. The final elevation of the site increases from 1430' to 1573'.
9. **POST-CLOSURE USES** – Non-irrigated open space
10. **REMARKS/STATUS**

On December 5, 2008, Republic Services, Inc. merged with Allied Waste Industries, Inc. and was required to divest Chiquita Canyon Landfill. On February 6, 2009, Republic Services and Waste Connections signed an agreement providing for the sale of the Chiquita Canyon Landfill to Waste Connections, Inc. Subsequently, Waste Connections, Inc. applied for a new CUP to increase the daily disposal capacity to 12,000 tpd. The County of Los Angeles Department of Regional Planning prepared a Notice of Preparation and circulated it for public comments from November 28, 2011 to February 13, 2012. On June 5, 2013, the County of Los Angeles Department of Regional Planning initiated the CEQA process on behalf of Waste Connections, Inc. for the landfill expansion and circulated the Draft Environmental Impact Report for County agencies' reviews and comments from June 5, 2013 to August 5, 2013.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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### Los Angeles County Countywide Integrated Waste Management Plan

#### *Commerce Refuse-to-Energy Facility (CREF)*

##### 1. FACILITY INFORMATION

**Owner:** Commerce Refuse-to-Energy Authority (City of Commerce and County Sanitation Districts of Los Angeles County)

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

**Address:** 5926 Sheila Street, Commerce, CA 90040

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

**SWFP No.:** 19-AA-0506

**SWFP Issue Date:** 07/09/1997

**Last 5-year Review Date:** 08/15/2012

**5-year Review Due Date:** 08/15/2017

##### 2. MAXIMUM PERMITTED DAILY CAPACITY

**Daily:** 1,000 tons (SWFP Requirement)

**Weekly:** 2,800 tons (SWFP Requirement)

##### 3. 2014 AVERAGE TRANSFORMED WASTE QUANTITIES (INCLUDING IMPORT QUANTITIES)

**Daily Received:** 333 tpd (based on 6 days)

**Daily Processed:** 285 tpd

##### 4. LAND USE/CONDITIONAL USE PERMIT – Not Applicable

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

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

##### 7. FOC GRANT DATE – 10/20/1983

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

##### 9. RESTRICTIONS - Facility requires high energy content waste. The City of Commerce Planning Commission made a written determination that the facility is consistent with the City's Plan, and the adjacent zoning and surrounding land use is compatible with its operation.

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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Los Angeles County Countywide Integrated Waste Management Plan

***Lancaster Landfill and Recycling Center***

**1. FACILITY INFORMATION**

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

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

|                                      |   |                        |
|--------------------------------------|---|------------------------|
| <b>Remaining Permitted Capacity:</b> | 12,009,106 tons                                 | 14,298,311 cubic yards |
| <b>Estimated Remaining Life:</b>     | 27 years (based on Land Use Permit Restriction) |                        |
| <b>In-Place Density:</b>             | 0.86 tons/cubic yard                            |                        |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                |                         |
|---------------------------|----------------|-------------------------|
| <b>Daily:</b>             | 3,000 tons     | [3,488 cubic yards]     |
| <b>Yearly Equivalent:</b> | [924,000 tons] | [1,074,419 cubic yards] |

**4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |          |                   |
|---------------------------------|----------|-------------------|
| <b>Daily (based on 6 days):</b> | 311 tons | [362 cubic yards] |
|---------------------------------|----------|-------------------|

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

|                               |                              |   |
|-------------------------------|------------------------------|---|
| <b>Permit No.:</b> 03-170-(5) | <b>Effective:</b> 12/14/2011 | <b>Expiration:</b> 10/19/2041 or when limit of fill is reached, whichever occurs first. |
|-------------------------------|------------------------------|---|

**6. WASTE DISCHARGE REQUIREMENTS**

|                           |                              |
|---------------------------|------------------------------|
| <b>Order No.:</b> 6-00-55 | <b>Effective:</b> 06/14/2000 |
|---------------------------|------------------------------|

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

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

**1. FACILITY INFORMATION**

|   |   |
|---|---|
| <b>Owner:</b> County of Los Angeles Sanitation District 2 | <b>Operator:</b> County of Los Angeles Sanitation District 2<br>of Los Angeles County |
| <b>Address:</b> 6502 E Hwy 78, Brawley 92227              | <b>Operating Days:</b> Not yet operational  |
| <b>SWFP No.:</b> 13-AA-0026                               | <b>SWFP Issue Date:</b> 04/08/97  |
| <b>Last 5-year Review Date:</b> 10/03/2011                | <b>5-year Review Due Date:</b> 10/03/2016   |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

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

**3. MAXIMUM PERMITTED CAPACITY**

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

**4. 2014 AVERAGE WASTE QUANTITIES DISPOSED**

**Daily:** Not yet operational

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

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

**6. WASTE DISCHARGE REQUIREMENTS**

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

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

**8. FUTURE LAND USE – Disposal**

**9. RESTRICTIONS/CURRENT STATUS**

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

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

Note: Calculated or assumed quantities are shown in brackets.

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Los Angeles County Countywide Integrated Waste Management Plan

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***Pebbly Beach Landfill***

**1. FACILITY INFORMATION**

**Owner:** City of Avalon      **Operator:** Consolidated Disposal Services dba Seagull Sanitation Systems  
**Address:** 1 Dump Road, Avalon, CA 90704      **Operating Days:** Monday-Sunday  
(Los Angeles County Unincorporated Area)  
**SWFP No.:** 19-AA-0061      **SWFP Issue Date:** 04/10/2001  
**Last 5-year Review Date:** 05/03/2010      **5-year Review Due Date:** 05/03/2015

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

**Remaining Permitted Capacity:**      [53,840 tons]      68,152 cubic yards  
**Estimated Remaining Life:**      14 years (based on Land Use Permit Restriction)  
**In-Place Density:**      0.79 tons/cubic yard

**3. MAXIMUM PERMITTED DAILY CAPACITY**

**Daily:**      49 tons      [62 cubic yards]  
**Yearly Equivalent:**      17,885 tons      [22,639 cubic yards]

**4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

**Daily (based on 6 days):**      11 tons      [14 cubic yards]

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

**Permit No.:** 96-162-(4)      **Effective:** 07/29/1998      **Expiration:** 07/29/2028

**6. WASTE DISCHARGE REQUIREMENTS**

**Order No.:** R4-2002-0058      **Effective:** 02/28/2002  
**Order No.:** R4-2011-0052      **Effective:** 03/03/2011  
**Order No.:** R4-2011-0165      **Effective:** 11/07/2011

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.



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#### *Scholl Canyon Landfill*

1. **FACILITY INFORMATION**

**Owner:** City of Glendale & County of Los Angeles      **Operator:** County Sanitation District No. 2 of Los Angeles County  
**Address:** 3001 Scholl Canyon Road, Glendale, CA 91206      **Operating Days:** Monday-Saturday  
**SWFP No.:** 19-AA-0012      **SWFP Issue Date:** 12/13/2011  
**Last 5-year Review Date:**      **5-year Review Due Date:** 12/13/2016

2. **REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

**Remaining Permitted Capacity:** 3,815,221 tons      7,883,351 cubic yards  
**Estimated Remaining Life:** 16 years (based on Land Use Permit Restriction)  
**In-Place Density:** 0.484 tons/cubic yard

3. **MAXIMUM PERMITTED DAILY CAPACITY**

**Daily:** 3,400 tons      [7,025 cubic yards]  
**Yearly Equivalent:** [1,060,800 tons]      [2,191,736 cubic yards]

4. **2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

**Daily (based on 6 days):** 745 tons      [1,539 cubic yards]

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

**Permit No.:** 6668-U (Zoning Variance)      **Effective:** 10/07/1997

6. **WASTE DISCHARGE REQUIREMENTS**

**Order No.:** 01-132      **Effective:** 09/19/2001;  
**Order No.:** R4-2011-0052      **Effective:** 03/03/2011

7. **FOC GRANT DATE** - None

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.



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### Los Angeles County Countywide Integrated Waste Management Plan

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

##### 1. FACILITY INFORMATION

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

**Operator:** City of Long Beach

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

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

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

**SWFP Issue Date:** 03/03/1998

**Last 5-year Review Date:** 08/27/2009

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

##### 2. MAXIMUM PERMITTED DAILY CAPACITY

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

##### 3. 2014 AVERAGE TRANSFORMED WASTE QUANTITIES (INCLUDING IMPORT QUANTITIES)

**Daily Received:** 1,470 tpd (based on 6 days)

**Daily Processed:** 1,257 tpd

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

**Permit No.:** HDP-84174

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

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

**2014 Annual Report**  
Los Angeles County Countywide Integrated Waste Management Plan

***Sunshine Canyon City/County Landfill***

**1. FACILITY INFORMATION**

|   |   |
|---|---|
| <b>Owner:</b> Republic Services, Inc.                 | <b>Operator:</b> Republic Services, Inc.  |
| <b>Address:</b> 14747 San Fernando Road, Sylmar 91342 | <b>Operating Days:</b> Monday-Saturday    |
| <b>SWFP No.:</b> 19-AA-2000                           | <b>SWFP Issue Date:</b> 07/07/2008        |
| <b>Last 5-year Review Date:</b> 12/30/2013            | <b>5-year Review Due Date:</b> 12/30/2018 |

**2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)**

|                                      |   |                        |
|--------------------------------------|---|------------------------|
| <b>Remaining Permitted Capacity:</b> | 64,688,021 tons   | 87,416,245 cubic yards |
| <b>Estimated Remaining Life:</b>     | 23 years (based on the current SWFP estimated closure date) |                        |
| <b>In-Place Density:</b>             | 0.74 tons/cubic yard  |                        |

**3. MAXIMUM PERMITTED DAILY CAPACITY**

|                           |                  |                         |
|---------------------------|------------------|-------------------------|
| <b>Daily:</b>             | 12,100 tons      | [16,351 cubic yards]    |
| <b>Yearly Equivalent:</b> | [3,775,200 tons] | [5,101,622 cubic yards] |

**4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)**

|                                 |            |                      |
|---------------------------------|------------|----------------------|
| <b>Daily (based on 6 days):</b> | 7,582 tons | [10,246 cubic yards] |
|---------------------------------|------------|----------------------|

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

|                               |                              |   |
|-------------------------------|------------------------------|---|
| <b>Permit No.:</b> 00-194-(5) | <b>Effective:</b> 02/06/2007 | <b>Expiration:</b> 02/06/2037 or when landfill capacity is exhausted, whichever is sooner |
|-------------------------------|------------------------------|---|

**6. WASTE DISCHARGE REQUIREMENTS**

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

**7. FOC GRANT DATE – 12/18/2008**

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

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

## 2014 Annual Report

### Los Angeles County Countywide Integrated Waste Management Plan

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

##### 1. FACILITY INFORMATION

**Owner:** City of Whittier

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

**Operator:** City of Whittier - DPW

**Operating Days:** Monday-Saturday

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

**Last 5-year Review Date:** 10/30/2013

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

**5-year Review Due Date:** 10/30/2018

##### 2. REMAINING PERMITTED CAPACITY (as of December 31, 2014)

**Remaining Permitted Capacity:** 5,257,410 tons [8,762,350 cubic yards]

**Estimated Remaining Life:** 41 years (based on the current SWPF estimated closure date)

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

##### 3. MAXIMUM PERMITTED DAILY CAPACITY

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

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

##### 4. 2014 AVERAGE WASTE QUANTITIES DISPOSED (INCLUDING IMPORT QUANTITIES)

**Daily (based on 6 days):** 286 tons [477 cubic yards]

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

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

**Effective:** 08/23/1977

**Expiration:** Completion of project

##### 6. WASTE DISCHARGE REQUIREMENTS

**Order No.:** 93-062

**Effective:** 09/27/1993

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

**Effective:** 01/19/2006

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

**Effective:** 10/24/2006

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

**Effective:** 03/03/2011

##### 7. FOC GRANT DATE – 11/30/1978

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

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

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

Note: Information above was provided by the landfill operator by completing the Annual Survey Form or through the Solid Waste Information Management System (SWIMS) as of July 2015. Calculated or assumed quantities are shown in brackets.

## **Appendix E-2 Tables**

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Los Angeles County Countywide Integrated Waste Management Plan

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**2014 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-2 TABLE 1  
REMAINING PERMITTED DISPOSAL CAPACITY OF EXISTING SOLID WASTE DISPOSAL FACILITIES IN LOS ANGELES COUNTY**

| Facility                    | Solid Waste Facility Permit Number | Location<br>City or Unincorporated Area | Permitted Operation<br>days/week | SWFP Maximum Daily Capacity<br>Tons | LUP/CUP Maximum Daily Capacity<br>Tons | 2014 Annual Disposal (Million Tons)<br>(See Note 1) |               |        | 2014 Average Daily Disposal tpd-6<br>(See Note 1) |               |        | Estimated Remaining Permitted Capacity (as of December 31, 2014)<br>(See Note 2) |                            | Remaining Life<br>(b)<br>Years | Comments  |
|-----------------------------|------------------------------------|---|----------------------------------|-------------------------------------|--|---|---------------|--------|---|---------------|--------|--|----------------------------|--------------------------------|---|
|                             |                                    |   |                                  |                                     |  | In-County   | Out-of-County | Total  | In-County   | Out-of-County | Total  | Million Tons   | Million (a)<br>Cubic Yards |                                |   |
|                             |                                    |   |                                  |                                     |  |   |               |        |   |               |        |  |                            |                                |   |
| Antelope Valley             | 19-AA-5624                         | Palmdale                                | 6                                | 1,800                               | 1,800                                  | 0.441   | 0.006         | 0.447  | 1,415   | 18            | 1,433  | 14.94  | 22.99                      | 27                             | The City of Palmdale approved the expansion and combined Antelope Valley Landfills #1 & #2 on September 19, 2011.   |
| Burbank                     | 19-AA-0040                         | Burbank                                 | 5                                | 240                                 | ---                                    | 0.031   | 0.000         | 0.031  | 100   | 0             | 100    | 2.92   | 5.30                       | 39                             | Limited to the City of Burbank use only.  |
| Calabasas                   | 19-AA-0056                         | Unincorporated Area                     | 6                                | 3,500                               | 3,500                                  | 0.221   | 0.013         | 0.233  | 707   | 41            | 748    | 6.53   | 14.55                      | 14                             | Limited to the Calabasas Wasteshed as defined by Los Angeles County Ordinance No. 91-0003.  |
| Chiquita Canyon             | 19-AA-0052                         | Unincorporated Area                     | 6                                | 6,000                               | 6,000                                  | 1.064   | 0.046         | 1.110  | 3,411   | 147           | 3,558  | 1.83   | 2.11                       | 2                              | CUP expires November 24, 2019 or when the maximum capacity is reached, whichever is sooner. Proposed expansion pending. CUP limits waste disposal to 30,000 tons per week or 5,000 tpd-6. |
| Lancaster                   | 19-AA-0050                         | Unincorporated Area                     | 6                                | 3,000                               | 5,100                                  | 0.096   | 0.001         | 0.097  | 307   | 4             | 311    | 12.01  | 14.30                      | 27                             |   |
| Pebble Beach                | 19-AA-0061                         | Unincorporated Area                     | 7                                | 49                                  | 49                                     | 0.003   | 0.000         | 0.003  | 11  | 0             | 11     | 0.05   | 0.07                       | 14                             | LUP expires July 29, 2028.  |
| San Clemente                | 19-AA-0063                         | San Clemente Island                     | 2                                | 9.6                                 | ---                                    | 0.0004  | 0.000         | 0.0004 | 1   | 0             | 1      | 0.04   | 0.32                       | 18                             | Landfill owned and operated by the U.S. Navy.   |
| Scholl Canyon               | 19-AA-0012                         | Glendale/<br>Unincorporated Area        | 6                                | 3,400                               | ---                                    | 0.233   | 0.000         | 0.233  | 745   | 0             | 745    | 3.82   | 7.88                       | 16                             | Limited to the Scholl Canyon Wasteshed as defined by City of Glendale Ordinance No. 4780.   |
| Sunshine Canyon City/County | 19-AA-2000                         | Los Angeles/<br>Unincorporated Area     | 6                                | 12,100                              | 12,100                                 | 2.366   | 0.000         | 2.366  | 7,582   | 0             | 7,582  | 64.69  | 87.42                      | 23                             |   |
| Whittier (Savage Canyon)    | 19-AH-0001                         | Whittier                                | 6                                | 350                                 | ---                                    | 0.089   | 0.000         | 0.089  | 286   | 0             | 286    | 5.26   | 8.76                       | 41                             | Limited to use by City of Whittier and waste haulers contracted with the City of Whittier.  |
| <b>TOTAL</b>                |                                    |   |                                  | 30,449                              | 28,549                                 | 4.545   | 0.065         | 4.610  | 14,567  | 210           | 14,777 | 112.09   | 163.70                     | --                             |   |

| Permitted Inert Landfills |            |       |   |       |     |       |       |       |     |     |      |       |       |     |   |
|---------------------------|------------|-------|---|-------|-----|-------|-------|-------|-----|-----|------|-------|-------|-----|---|
| Azusa Land Reclamation    | 19-AA-0013 | Azusa | 6 | 6,500 | --- | 0.267 | 0.049 | 0.316 | 855 | 158 | 1012 | 59.83 | 47.86 | 31  | By Court Order, on October 2, 1996, the California Regional Water Quality Control Board-Los Angeles region ordered the Azusa Land Reclamation Landfill to stop accepting Municipal Solid Waste. |
| <b>TOTAL</b>              |            |       |   | 6,500 | --- | 0.267 | 0.049 | 0.316 | 855 | 158 | 1012 | 59.83 | 47.86 | --- |   |

| Transformation Facilities            |            |            |   |       |     |       |       |       |       |     |       | Available Average Daily Capacity (tpd) |  |
|--------------------------------------|------------|------------|---|-------|-----|-------|-------|-------|-------|-----|-------|--|--|
| Commerce Refuse To-Energy Facility   | 19-AA-0506 | Commerce   | 7 | 1,000 | --- | 0.096 | 0.008 | 0.104 | 309   | 24  | 333   | 400 (c)                                |  |
| Southeast Resource Recovery Facility | 19-AK-0083 | Long Beach | 7 | 2,240 | --- | 0.416 | 0.043 | 0.459 | 1,333 | 137 | 1,470 | 1,370 (d)                              |  |
| <b>TOTAL</b>                         |            |            |   | 3,240 | --- | 0.512 | 0.050 | 0.563 | 1,642 | 161 | 1,803 | 1,770 (e)                              |  |

|                               |   |
|-------------------------------|---|
| <b>Out-of-County Disposal</b> | Los Angeles County Waste Exported in 2014 to Out-of-County Class III Disposal Facilities = 3,699,963 tons or 11,859 tpd-6 |
|-------------------------------|---|

**NOTES:**

- Disposal quantities are based on actual tonnages reported by owners/operators of permitted solid waste disposal facilities to the Los Angeles County Department of Public Works' Solid Waste Information Management System (www.LACountySWIMS.org.)
- Estimated Remaining Permitted Capacity is based on landfill owner/operator's response in a written survey conducted by Los Angeles County Department of Public Works in May 2015 as well as site-specific permit criteria established by local land use agencies, Local Enforcement Agencies, CalRecycle, SWFP, California Regional Water Quality Control Board, and the South Coast Air Quality Management District.

**Abbreviation:**

- LUP Land Use Permit  
SWFP Solid Waste Facility Permit  
CUP Conditional Use Permit

**FOOTNOTES:**

- Conversion factor based on in-place solid waste density is provided by landfill operators, otherwise a conversion factor of 1,200 lb/cy was used for Class III landfills.
- Remaining Life is based on either the 2014 average daily disposal tonnage, maximum permitted capacity, or the facility's permit expiration date.
- Based on the Solid Waste Facility Permit limit of 2,800 tons per week, expressed as a daily average, seven days per week.
- Based on EPA limit of 500,000 tons per year, expressed as a daily average, seven days per week.
- Tonnage expressed as a daily average, seven days per week.

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LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-2 TABLE 2  
SUMMARY OF EXISTING INERT DEBRIS DISPOSAL SITES IN LOS ANGELES COUNTY (AS OF DECEMBER 31, 2014)**

| Facility   | SWIS No.                | Location              | Operation days/week | EAN Maximum Daily Capacity |                    | 2014 Average Daily Disposal <sup>1</sup> |               | 2014 Annual Disposal <sup>2</sup> |                |
|--|-------------------------|-----------------------|---------------------|----------------------------|--------------------|--|---------------|-----------------------------------|----------------|
|  |                         |                       |                     | (cubic yards) <sup>3</sup> | (tpd) <sup>3</sup> | (cubic yards)                            | (tpd)         | (million cubic yards)             | (million tons) |
| Atkinson Brick Company <sup>4</sup>                        | N/A                     | Los Angeles           | 6                   | N/A                        | N/A                | 10                                       | 13            | 0.00                              | 0.00           |
| Chandler's Palos Verdes Sand & Gravel                      | 19-AE-0004              | Rolling Hills Estates | 5                   | 2,923                      | 3,654              | 347                                      | 433           | 0.11                              | 0.14           |
| Durbin Landfill  | 19-AA-1111              | Irwindale             | 5                   | 3,840                      | 4,800              | 505                                      | 631           | 0.16                              | 0.20           |
| Hanson Aggregates West, Inc.                               | 19-AA-0044 <sup>5</sup> | Irwindale             | 6                   | 526                        | 657                | 0  | 0             | 0.00                              | 0.00           |
| Lower Azusa Reclamation Project (Arcadia Reclamation Inc.) | 19-AA-0868              | Arcadia               | 6                   | 3,205                      | 4,006              | 3,497                                    | 4,371         | 1.09                              | 1.36           |
| Manning Pit <sup>6</sup>                                   | N/A                     | Irwindale             |                     | N/A                        | N/A                | N/A                                      | N/A           | N/A                               | N/A            |
| Montebello Land & Water Co.                                | 19-AA-0019              | Montebello            | 5                   | 1                          | 1                  | 1  | 1             | 0.00                              | 0.00           |
| Nu-Way Arrow Reclamation                                   | 19-AA-1074              | Irwindale             | 6                   | 2,000                      | 2,500              | 4,741                                    | 5,926         | 1.48                              | 1.85           |
| Peck Road Gravel Pit                                       | 19-AA-0838              | Monrovia              | 7                   | 1,120                      | 1,400              | 0  | 0             | 0.00                              | 0.00           |
| Reliance Pit II Inert Debris Engineered Fill Site          | 19-AA-0854              | Irwindale             | 5                   | 6,729                      | 8,412              | 277                                      | 346           | 0.09                              | 0.11           |
| Sun Valley Landfill  | 19-AR-1160              | Los Angeles           | 5                   | 1,458                      | 1,823              | 1,769                                    | 2,211         | 0.55                              | 0.69           |
| United Rock Products Pit #2                                | 19-AA-0046              | Irwindale             | 6                   | 3,077                      | 3,846              | 0  | 0             | 0.00                              | 0.00           |
| <b>TOTAL</b>   |                         |                       |                     | <b>24,879</b>              | <b>31,098</b>      | <b>11,146</b>                            | <b>13,933</b> | <b>3.48</b>                       | <b>4.35</b>    |

**NOTES:**

1. Disposal quantities for 2014 are based on actual tonnages reported by owners/operators through the Solid Waste Management Fee invoice receipt.
2. Conversion factor based on in-place solid waste density if provided by landfill operators, otherwise a conversion factor of 2,500 lb/cy was used.
3. Derived from the permit values noted in the CalRecycle Website as of June 2015.
4. Facility closed as of March 2014.
5. Operator submitted an Inactive Notification to LEA on August 2007. The facility was still in-active based on the January 23, 2013 inspection.
6. Manning Pit is unclassified as of December 31, 2014.

Source: Los Angeles County Department of Public Works, August 2015

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**APPENDIX E-2 TABLE 3  
OUT-OF-COUNTY LANDFILLS CURRENTLY AVAILABLE FOR USE BY JURISDICTIONS IN LOS ANGELES COUNTY<sup>1</sup>**

| Facility Location<br>Owner/Operator  | Rail Access | Distance from Los Angeles County <sup>2</sup> | 2014 Average Daily Disposal Rate (tpd-6) | 2014 Average Disposal from Los Angeles County <sup>3,4</sup> (tpd-6) | Permitted Operating days/week | Permitted Daily Disposal (tpd) | Remaining Permitted Disposal Capacity (million tons) <sup>5</sup> | Remaining Design Life (years) | Tipping Fees <sup>6</sup> (per ton) | Import Surcharge (per ton) | Comments   |
|--|-------------|---|--|--|-------------------------------|--------------------------------|---|-------------------------------|-------------------------------------|----------------------------|--|
| <b>Mesquite Regional Landfill</b><br>Imperial County<br>County Sanitation District No. 2 of Los Angeles County         | YES         | 210 miles                                     | —  | —  | 7                             | 20,000                         | 660   | 109                           | —                                   | \$1 (min) <sup>9</sup>     | Not yet operational. Permitted to reserve up to 1,000 tpd of available capacity for Imperial County. Up to 4,000 tpd may be transported by truck haul.   |
| <b>H.M. Holloway Landfill, Inc.</b><br>Kern County<br>Holloway Environmental, LLC.                                     | YES         | 156 miles                                     | 318                                      | 186  | 6                             | 2,000                          | 2   | 10                            | \$46.82                             | —                          | Holloway is currently working to open a new storage pit "H" with a capacity of 20,000,000 cubic/yds of capacity, this is anticipated to be permitted in late 2017                                    |
| <b>Frank R. Bowerman Sanitary Landfill<sup>7</sup></b><br>Orange County<br>O.C. Waste and Recycling                    | NO          | 45 miles                                      | 6,338                                    | 1,487  | 6                             | 11,500                         | 187   | 52                            | \$56.36                             | \$23.18                    | The state operating permit for Frank R. Bowerman Sanitary Landfill prohibits public dumping at the site.   |
| <b>Olinda Alpha Sanitary Landfill<sup>7</sup></b><br>Orange County<br>O.C. Waste and Recycling                         | NO          | 30 miles                                      | 6,653                                    | 3,331  | 6                             | 8,000                          | 23  | 15                            | \$56.36                             | —                          | The County of Orange has three import waste agreements with waste hauling companies to import waste into Orange County.  |
| <b>Prima Deshecha Sanitary Landfill<sup>7</sup></b><br>Orange County<br>O.C. Waste and Recycling                       | NO          | 60 miles                                      | 1,240                                    | 41   | 6                             | 4,000                          | 79  | 100                           | 56.90 <sup>8</sup>                  | 0                          | Frank R. Bowerman, Olinda Alpha, and Prima Deshecha Sanitary Landfills have import waste agreements with waste hauling companies and County Sanitation Districts which will expire on June 30, 2016. |
| <b>El Sobrante Landfill</b><br>Riverside County<br>USA Waste Services of California, Inc.                              | NO          | 60 miles                                      | 6,531                                    | 3,057  | 7                             | 16,054                         | 170   | 60                            | \$36.00                             | —                          |  |
| <b>Mid-Valley Sanitary Landfill</b><br>San Bernardino County<br>San Bernardino County Solid Waste Management Division  | NO          | 53 miles                                      | 2,872                                    | 1,998  | 6                             | 7,500                          | 41  | 25                            | \$59.94                             | —                          |  |
| <b>San Timoteo Sanitary Landfill</b><br>San Bernardino County<br>San Bernardino County Solid Waste Management Division | NO          | 67 miles                                      | 838                                      | 480  | 6                             | 2,000                          | 8   | 23                            | \$59.94                             | —                          |  |
| <b>Simi Valley Landfill &amp; Recycling Center</b><br>Ventura County<br>Waste Management of California, Inc.           | NO          | 50 miles                                      | 2,442                                    | 1,072  | 7                             | 6,000                          | 53  | 60+                           | \$65.50                             | \$4.00                     |  |
| <b>TOTAL</b>   |             |   |  | 11,652   |                               |                                |   |                               |                                     |                            |  |

**NOTES:**

1. "—" data not provided or available.
2. Distance is measured from Downtown Los Angeles, California.
3. Estimated quantity based on the data provided by the Counties in the Solid Waste Information Management System (SWIMS) and/or the Disposal Reporting System.
4. Waste exported to other Out of County landfills accounts for another 207 tons per day. Total Waste exported in 2014 is approximately 11,859 tons per day.
5. Estimated quantity provided by landfill operators in tons, otherwise a conversion factor of 1,200 lb/cy was used.
6. Tipping fees are based on current waste disposal fees provided by landfill operators.
7. The County of Orange has import waste agreements to import waste into Orange County with waste hauling companies and County Sanitation Districts which will expire on June 30, 2016.
8. \$5.00 per ton surcharge for hard to handle (i.e., bulky items). \$5.00 passenger car.
9. Amount based on Imperial County Host fees per facility operator.

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**APPENDIX E-2 TABLE 4  
POPULATION, EMPLOYMENT, REAL TAXABLE SALES, AND WASTE GENERATION  
IN LOS ANGELES COUNTY**

| YEAR | POPULATION | EMPLOYMENT | REAL TAXABLE SALES | B-YRWG    | B-YNWG     | RAF         | NAF         | TOTAL GENERATION (TONS) |
|------|------------|------------|--------------------|-----------|------------|-------------|-------------|-------------------------|
| 2014 | 10,095,000 | 4,196,200  | \$132,400,000,000  | 6,567,928 | 15,325,165 |             |             | 21,893,093              |
| 2015 | 10,170,000 | 4,297,400  | \$135,100,000,000  | 6,567,928 | 15,325,165 | 1.014842162 | 1.022254904 | 22,331,635              |
| 2016 | 10,241,000 | 4,380,500  | \$138,500,000,000  | 6,567,928 | 15,325,165 | 1.029729602 | 1.044996599 | 22,777,935              |
| 2017 | 10,313,000 | 4,436,600  | \$142,000,000,000  | 6,567,928 | 15,325,165 | 1.043246795 | 1.064898741 | 23,171,719              |
| 2018 | 10,383,000 | 4,481,700  | \$144,500,000,000  | 6,567,928 | 15,325,165 | 1.054121357 | 1.079713738 | 23,470,184              |
| 2019 | 10,446,000 | 4,519,600  | \$147,000,000,000  | 6,567,928 | 15,325,165 | 1.064220252 | 1.093670817 | 23,750,408              |
| 2020 | 10,508,000 | 4,554,700  | \$149,100,000,000  | 6,567,928 | 15,325,165 | 1.073347514 | 1.105783686 | 23,995,987              |
| 2021 | 10,571,000 | 4,586,300  | \$149,700,000,000  | 6,567,928 | 15,325,165 | 1.079483457 | 1.111814858 | 24,128,716              |
| 2022 | 10,639,000 | 4,618,600  | \$150,800,000,000  | 6,567,928 | 15,325,165 | 1.08685286  | 1.119817657 | 24,299,762              |
| 2023 | 10,707,000 | 4,650,500  | \$153,200,000,000  | 6,567,928 | 15,325,165 | 1.096653115 | 1.132682159 | 24,561,280              |
| 2024 | 10,774,000 | 4,679,800  | \$156,100,000,000  | 6,567,928 | 15,325,165 | 1.107193048 | 1.147125075 | 24,851,845              |
| 2025 | 10,842,000 | 4,705,800  | \$156,300,000,000  | 6,567,928 | 15,325,165 | 1.112487716 | 1.150978403 | 24,945,673              |
| 2026 | 10,911,000 | 4,732,300  | \$159,800,000,000  | 6,567,928 | 15,325,165 | 1.12409282  | 1.167353544 | 25,272,846              |
| 2027 | 10,979,000 | 4,761,300  | \$162,900,000,000  | 6,567,928 | 15,325,165 | 1.135042052 | 1.182516    | 25,577,127              |
| 2028 | 11,049,000 | 4,795,000  | \$165,700,000,000  | 6,567,928 | 15,325,165 | 1.145803893 | 1.197105556 | 25,871,398              |
| 2029 | 11,115,000 | 4,827,100  | \$168,400,000,000  | 6,567,928 | 15,325,165 | 1.156083469 | 1.21112682  | 26,153,791              |

**Population: Countywide Population Projection (UCLA, Long Term Forecast of Los Angeles County, July 2014)**

**Employment: Countywide Employment Projection (UCLA, Long Term Forecast of Los Angeles County, July 2014)**

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

**Real Taxable Sales: Countywide Taxable Sales (Source of information is UCLA, Long Term Forecast of Los Angeles County, July 2014).**

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

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

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

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

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

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

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

PR= Reporting Year Population

PB= Base Year Population

ER= Reporting Year Employment

EB= Base Year Employment

CR= Reporting Year Consumer Price Ind

CB= Base Year Consumer Price Index

TR= Reporting Year Taxable Sales

TB= Base Year Taxable Sales

Source: Los Angeles County Department of Public Works, August 2015

**2014 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-2 TABLE 5  
LOS ANGELES COUNTY SOLID WASTE DISPOSAL CAPACITY NEED PROJECTION**

| A<br>YEAR | B<br>TOTAL<br>GENERATION<br>TONS | C<br>PERCENT<br>DIVERSION<br>(ASSUMED) | D<br>TOTAL<br>DIVERSION<br>TONS | E<br>PROJECTED<br>TRANSFORMATION &<br>CLASS III LANDFILL<br>DISPOSAL (TONS) | F<br>AVAILABLE<br>TRANSFORMATION<br>CAPACITY<br>TONS | G<br>CLASS III LANDFILL<br>DISPOSAL NEED |             |                         |             |
|-----------|----------------------------------|--|---------------------------------|---|--|--|-------------|-------------------------|-------------|
|           |                                  |  |                                 |   |  | ANNUAL                                   |             | CUMULATIVE (YEAR'S END) |             |
|           |                                  |  |                                 |   |  | TONS                                     | CUBIC YARDS | TONS                    | CUBIC YARDS |
| 2014      | 21,893,093                       | 60%                                    | 13,135,856                      | 8,757,237   | 645,600  | 8,111,637                                | 13,519,395  | 8,111,637               | 13,519,395  |
| 2015      | 22,331,635                       | 61%                                    | 13,622,298                      | 8,709,338   | 645,600  | 8,063,738                                | 13,439,563  | 16,175,375              | 26,958,958  |
| 2016      | 22,777,935                       | 63%                                    | 14,350,099                      | 8,427,836   | 645,600  | 7,782,236                                | 12,970,393  | 23,957,611              | 39,929,352  |
| 2017      | 23,171,719                       | 66%                                    | 15,293,334                      | 7,878,384   | 645,600  | 7,232,784                                | 12,054,641  | 31,190,395              | 51,983,992  |
| 2018      | 23,470,184                       | 69%                                    | 16,194,427                      | 7,275,757   | 645,600  | 6,630,157                                | 11,050,262  | 37,820,553              | 63,034,254  |
| 2019      | 23,750,408                       | 72%                                    | 17,100,294                      | 6,650,114   | 645,600  | 6,004,514                                | 10,007,524  | 43,825,067              | 73,041,778  |
| 2020      | 23,995,987                       | 75%                                    | 17,996,990                      | 5,998,997   | 645,600  | 5,353,397                                | 8,922,328   | 49,178,463              | 81,964,106  |
| 2021      | 24,128,716                       | 75%                                    | 18,096,537                      | 6,032,179   | 645,600  | 5,386,579                                | 8,977,632   | 54,565,042              | 90,941,737  |
| 2022      | 24,299,762                       | 75%                                    | 18,224,821                      | 6,074,940   | 645,600  | 5,429,340                                | 9,048,901   | 59,994,383              | 99,990,638  |
| 2023      | 24,561,280                       | 75%                                    | 18,420,960                      | 6,140,320   | 645,600  | 5,494,720                                | 9,157,867   | 65,489,103              | 109,148,505 |
| 2024      | 24,851,845                       | 75%                                    | 18,638,884                      | 6,212,961   | 645,600  | 5,567,361                                | 9,278,936   | 71,056,464              | 118,427,440 |
| 2025      | 24,945,673                       | 75%                                    | 18,709,255                      | 6,236,418   | 645,600  | 5,590,818                                | 9,318,031   | 76,647,282              | 127,745,471 |
| 2026      | 25,272,846                       | 75%                                    | 18,954,635                      | 6,318,212   | 645,600  | 5,672,612                                | 9,454,353   | 82,319,894              | 137,199,823 |
| 2027      | 25,577,127                       | 75%                                    | 19,182,846                      | 6,394,282   | 645,600  | 5,748,682                                | 9,581,136   | 88,068,576              | 146,780,960 |
| 2028      | 25,871,398                       | 75%                                    | 19,403,548                      | 6,467,849   | 645,600  | 5,822,249                                | 9,703,749   | 93,890,825              | 156,484,709 |
| 2029      | 26,153,791                       | 75%                                    | 19,615,344                      | 6,538,448   | 645,600  | 5,892,848                                | 9,821,413   | 99,783,673              | 166,306,122 |

**NOTES:**

1. Waste generation (Column B) is calculated using CalRecycle's Adjustment Methodology, utilizing employment, population, and taxable sales projections from UCLA Anderson Long-term Forecast (July 2014).
2. Waste generation for 2014 is based on actual in-County and out-of-County transformation and Class III landfill disposal by jurisdictions in Los Angeles County. A 60 percent diversion rate is assumed for year 2014 and increase up to 75% by year 2020. These tonnages DO NOT include inert waste disposed at permitted inert landfills.
3. The 2014 transformation and Class III landfill disposal quantity (first figure under Column E) is based on tonnages reported by permitted solid waste disposal facility operators in Los Angeles County and export quantities reported by other counties to County of Los Angeles Department of Public Works as part of the 2014 Disposal Quantity Reporting data.
4. Columns H and J are based on Columns G and I, respectively, using an in-place waste density of 1,200 lb/cy.

Source: Los Angeles County Department of Public Works, August 2015

## **Appendix E-3 Disposal Capacity Analysis Scenarios**

**2014 Annual Report**

Los Angeles County Countywide Integrated Waste Management Plan

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**2014 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

**APPENDIX E-3  
SCENARIO I - UTILIZATION OF EXISTING IN-COUNTY DISPOSAL CAPACITY ONLY**

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate (75% by 2020)

• No Utilization of Out-of-County Disposal Capacity

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills <sup>3</sup> | Class III Landfill Daily Disposal Demand        | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |        |                               |                          | Total In-County Class III Landfill Available Capacity <sup>4</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|--|---|---|-------------------------------|---------|-----------|----------|-----------|--------------|--------------|--------|-------------------------------|--------------------------|--|--|
|         |                                    |                |                             |                             |  |   |   | Antelope Valley               | Burbank | Calabasas | Chiquita | Lancaster | Pebble Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) |  |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F  | G=C+D-E-F                                       | Maximum Permitted Daily Capacity (tpd-6)        |                               |         |           |          |           |              |              |        |                               | H                        | I=G-H  |  |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)   | Expected Average Daily Tonnage (tpd-6)          |                               |         |           |          |           |              |              |        |                               | (tpd-6)                  | (tpd-6)  |  |
|         |                                    |                |                             |                             |  |   | Remaining Capacity at Year's End (Million Tons) |                               |         |           |          |           |              |              |        |                               |                          |  |  |
| 2014    | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859  | 14,938  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,651   | -  |
|         |                                    |                |                             |                             |  |   |   | 1,415                         | 100     | 707       | 3,411    | 307       | 11           | 1            | 745    | 7,582                         | 286                      |  |  |
|         |                                    |                |                             |                             |  |   |   | 14.9                          | 2.9     | 6.5       | 1.8      | 12.0      | 0.1          | 0.04         | 3.8    | 64.7                          | 5.3                      |  |  |
| 2015    | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000  | 14,415  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,586   | (9,172)  |
|         |                                    |                |                             |                             |  |   |   | 1,600                         | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719    | 9,000                         | 276                      |  |  |
|         |                                    |                |                             |                             |  |   |   | 14.4                          | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6    | 61.9                          | 5.2                      |  |  |
| 2016    | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 0   | 25,512  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,482   | 2,030  |
|         |                                    |                |                             |                             |  |   |   | 1,700                         | 91      | 642       | 4,500    | 500       | 10           | 1.19         | 678    | 10,000                        | 260                      |  |  |
|         |                                    |                |                             |                             |  |   |   | 13.9                          | 2.9     | 6.1       | CC       | 11.8      | 0.05         | 0.04         | 3.4    | 58.8                          | 5.1                      |  |  |
| 2017    | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 0   | 23,751  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,366                   | 6,385  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 85      | 598       | 600      | 9         | 1.11         | 631          | 11,000 | 242                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 13.4                          | 2.8     | 5.9       | 11.6     | 0.04      | 0.04         | 3.2          | 55.3   | 5.0                           |                          |  |  |
| 2018    | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 0   | 21,820  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,239                   | 4,581  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 78      | 549       | 700      | 9         | 1.02         | 580          | 11,000 | 222                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 12.8                          | 2.8     | 5.8       | 11.4     | 0.04      | 0.04         | 3.0          | 51.9   | 4.9                           |                          |  |  |
| 2019    | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 0   | 19,814  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,106                   | 2,708  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 71      | 499       | 800      | 8         | 0.92         | 527          | 11,000 | 202                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 12.2                          | 2.8     | 5.6       | CP       | 11.1      | 0.04         | 0.04         | 2.8    | 48.5                          | 4.9                      |  |  |
| 2020    | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 0   | 17,728  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,969                   | 759  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 63      | 446       | 900      | 7         | 0.83         | 471          | 11,000 | 181                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 11.7                          | 2.8     | 5.5       | 10.8     | 0.04      | 0.04         | 2.7          | 45.0   | 4.8                           |                          |  |  |
| 2021    | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 0   | 17,834  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,976                   | 858  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 64      | 449       | 1,000    | 7         | 0.83         | 474          | 11,000 | 182                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 11.1                          | 2.7     | 5.3       | 10.5     | 0.04      | 0.04         | 2.5          | 41.6   | 4.8                           |                          |  |  |
| 2022    | 77,884                             | 75%            | 19,471                      | 500                         | 2,000  | 0   | 17,971  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,985                   | 986  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 64      | 452       | 1,100    | 7         | 0.84         | 478          | 11,000 | 183                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 10.5                          | 2.7     | 5.2       | 10.2     | 0.03      | 0.04         | 2.4          | 38.2   | 4.7                           |                          |  |  |
| 2023    | 78,722                             | 75%            | 19,681                      | 500                         | 2,000  | 0   | 18,181  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,999                   | 1,182  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 65      | 458       | 1,200    | 7         | 0.85         | 483          | 11,000 | 185                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 10.0                          | 2.7     | 5.0       | 9.8      | 0.03      | 0.04         | 2.2          | 34.7   | 4.7                           |                          |  |  |
| 2024    | 79,653                             | 75%            | 19,913                      | 500                         | 2,000  | 0   | 18,413  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,014                   | 1,399  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 66      | 463       | 1,300    | 7         | 0.86         | 489          | 11,000 | 188                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 9.4                           | 2.7     | 4.9       | 9.4      | 0.03      | 0.04         | 2.1          | 31.3   | 4.6                           |                          |  |  |
| 2025    | 79,954                             | 75%            | 19,989                      | 500                         | 2,000  | 0   | 18,489  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,019                   | 1,469  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 66      | 465       | 1,400    | 7         | 0.86         | 491          | 11,000 | 188                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 8.9                           | 2.7     | 4.8       | 9.0      | 0.03      | 0.04         | 1.9          | 27.9   | 4.5                           |                          |  |  |
| 2026    | 81,003                             | 75%            | 20,251                      | 500                         | 2,000  | 0   | 18,751  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,036                   | 1,714  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 67      | 472       | 1,500    | 7         | 0.87         | 498          | 11,000 | 191                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 8.3                           | 2.6     | 4.6       | 8.5      | 0.02      | 0.04         | 1.78         | 24.4   | 4.5                           |                          |  |  |
| 2027    | 81,978                             | 75%            | 20,494                      | 500                         | 2,000  | 0   | 18,994  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,052                   | 1,942  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 68      | 478       | 1,600    | 7         | 0.89         | 505          | 11,000 | 194                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 7.7                           | 2.6     | 4.5       | 8.0      | 0.02      | 0.04         | 1.6          | 21.0   | 4.4                           |                          |  |  |
| 2028    | 82,921                             | 75%            | 20,730                      | 500                         | 2,000  | 0   | 19,230  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,068                   | 2,162  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 69      | 484       | 1,700    | 7.43      | 0.90         | 511          | 11,000 | 196                           |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 7.2                           | 2.6     | CP        | 7.5      | CP        | 0.04         | 1.5          | 17.6   | 4.4                           |                          |  |  |
| 2029    | 83,826                             | 75%            | 20,957                      | 500                         | 2,000  | 0   | 19,457  | 1,800                         | 240     | 3,000     | 3,000    | 10        | 3,400        | 11,000       | 350    | 16,586                        | 2,871                    |  |  |
|         |                                    |                |                             |                             |  |   |   | 1,800                         | 69      |           | 1,800    | 0.91      | 517          | 11,000       | 198    |                               |                          |  |  |
|         |                                    |                |                             |                             |  |   |   | 6.6                           | 2.6     |           | 6.9      | 0.04      | 1.3          | 14.1         | 4.3    |                               |                          |  |  |

**ASSUMPTIONS:**

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
- Daily Available Capacity from Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility is assumed to continue at their current permitted daily capacity during the planning period.
- The scenario assumes utilization of in-County disposal capacity only.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.

**LEGEND:**

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

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**APPENDIX E-3  
SCENARIO II - STATUS QUO**

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate (75% by 2020)

• Exports based on Existing Export Agreements

| Year | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand | IN-COUNTY CLASS III LANDFILLS   |         |           |          |           |              |              |        |                               |                          | Total In-County Class III Landfill Available Capacity <sup>3</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |    |
|------|------------------------------------|----------------|-----------------------------|-----------------------------|--|------------------------------------|--|---|---------|-----------|----------|-----------|--------------|--------------|--------|-------------------------------|--------------------------|--|--|----|
|      |                                    |                |                             |                             |  |                                    |  | 1   | 2       | 3         | 4        | 5         | 6            | 7            | 8      | 9                             | 10                       |  |  | 11 |
|      |                                    |                |                             |                             |  |                                    |  | R   | R       | R         | R        | R         | R            | R            | R      | R                             | R                        |  |  | R  |
|      | <b>A</b>                           | <b>B</b>       | <b>C=A(1-B)</b>             | <b>D</b>                    | <b>E</b>   | <b>F</b>                           | <b>G=C+D-E-F</b>                         | Antelope Valley   | Burbank | Calabasas | Chiquita | Lancaster | Pebbly Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) | H  | I=G-H  |    |
|      | (tpd-6)                            |                | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)                            | (tpd-6)                                  | Maximum Permitted Daily Capacity (tpd-6)<br>Expected Average Daily Tonnage (tpd-6)<br>Remaining Capacity at Year's End (Million Tons) |         |           |          |           |              |              |        |                               |                          | (tpd-6)  | (tpd-6)  |    |
| 2014 | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859                             | 14,938                                   | 1,800   | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,651   | -  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,415   | 100     | 707       | 3,411    | 307       | 11           | 1            | 745    | 7,582                         | 286                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 14.9  | 2.9     | 6.5       | 1.8      | 12.0      | 0.1          | 0.04         | 3.8    | 64.7                          | 5.3                      |  |  |    |
| 2015 | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000                             | 14,415                                   | 1,800   | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,586   | (9,172)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,600   | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719    | 9,000                         | 276                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 14.4  | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6    | 61.9                          | 5.2                      |  |  |    |
| 2016 | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 12,000                             | 13,512                                   | 1,800   | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,475   | (9,962)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,700   | 91      | 639       | 4,500    | 500       | 10           | 1.19         | 674    | 10,000                        | 259                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 13.9  | 2.9     | 6.1       | CC       | 11.8      | 0.05         | 0.04         | 3.4    | 58.8                          | 5.1                      |  |  |    |
| 2017 | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 12,000                             | 11,751                                   | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 17,256   | (5,505)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 79      | 556       |          | 600       | 9            | 1.03         | 586    | 11,000                        | 225                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 13.4  | 2.8     | 5.9       |          | 11.6      | 0.04         | 0.04         | 3.2    | 55.3                          | 5.0                      |  |  |    |
| 2018 | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 12,000                             | 9,820                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 17,017   | (7,197)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 66      | 465       |          | 700       | 7            | 0.86         | 490    | 11,000                        | 188                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 12.8  | 2.8     | 5.8       |          | 11.4      | 0.04         | 0.04         | 3.0    | 51.9                          | 5.0                      |  |  |    |
| 2019 | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 12,000                             | 7,814                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,768   | (8,954)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 52      | 370       |          | 800       | 6            | 0.69         | 390    | 11,000                        | 150                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 12.2  | 2.8     | 5.7       | CP       | 11.1      | 0.04         | 0.04         | 2.9    | 48.5                          | 4.9                      |  |  |    |
| 2020 | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 12,000                             | 5,728                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,510   | (10,782)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 38      | 271       |          | 900       | 4            | 0.50         | 286    | 11,000                        | 110                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 11.7  | 2.8     | 5.6       |          | 10.8      | 0.04         | 0.04         | 2.8    | 45.0                          | 4.9                      |  |  |    |
| 2021 | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 12,000                             | 5,834                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,523   | (10,689)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 39      | 276       |          | 1,000     | 4            | 0.51         | 291    | 11,000                        | 112                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 11.1  | 2.8     | 5.5       |          | 10.5      | 0.04         | 0.04         | 2.7    | 41.6                          | 4.8                      |  |  |    |
| 2022 | 77,884                             | 75%            | 19,471                      | 500                         | 2,000  | 12,000                             | 5,971                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,540   | (10,569)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 40      | 283       |          | 1,100     | 4            | 0.52         | 298    | 11,000                        | 114                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 10.5  | 2.8     | 5.4       |          | 10.2      | 0.04         | 0.04         | 2.6    | 38.2                          | 4.8                      |  |  |    |
| 2023 | 78,722                             | 75%            | 19,681                      | 500                         | 2,000  | 12,000                             | 6,181                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,566   | (10,385)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 41      | 292       |          | 1,200     | 5            | 0.54         | 308    | 11,000                        | 118                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 10.0  | 2.7     | 5.3       |          | 9.8       | 0.03         | 0.04         | 2.6    | 34.7                          | 4.8                      |  |  |    |
| 2024 | 79,653                             | 75%            | 19,913                      | 500                         | 2,000  | 12,000                             | 6,413                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,595   | (10,181)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 43      | 303       |          | 1,300     | 5            | 0.56         | 320    | 11,000                        | 123                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 9.4   | 2.7     | 5.2       |          | 9.4       | 0.03         | 0.04         | 2.5    | 31.3                          | 4.7                      |  |  |    |
| 2025 | 79,954                             | 75%            | 19,989                      | 500                         | 2,000  | 12,000                             | 6,489                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,604   | (10,116)   |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 44      | 307       |          | 1,400     | 5            | 0.57         | 324    | 11,000                        | 124                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 8.9   | 2.7     | 5.1       |          | 9.0       | 0.03         | 0.04         | 2.4    | 27.9                          | 4.7                      |  |  |    |
| 2026 | 81,003                             | 75%            | 20,251                      | 500                         | 2,000  | 12,000                             | 6,751                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,637   | (9,886)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 45      | 319       |          | 1,500     | 5            | 0.59         | 337    | 11,000                        | 129                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 8.3   | 2.7     | 5.0       |          | 8.5       | 0.03         | 0.04         | 2.2    | 24.4                          | 4.7                      |  |  |    |
| 2027 | 81,978                             | 75%            | 20,494                      | 500                         | 2,000  | 12,000                             | 6,994                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,667   | (9,672)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 47      | 331       |          | 1,600     | 5            | 0.61         | 349    | 11,000                        | 134                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 7.7   | 2.7     | 4.9       |          | 8.0       | 0.03         | 0.04         | 2.1    | 21.0                          | 4.6                      |  |  |    |
| 2028 | 82,921                             | 75%            | 20,730                      | 500                         | 2,000  | 12,000                             | 7,230                                    | 1,800   | 240     | 3,500     |          | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 16,696   | (9,466)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 49      | 342       |          | 1,700     | 5            | 0.64         | 361    | 11,000                        | 139                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 7.2   | 2.7     | CP        |          | 7.5       | CP           | 0.04         | 2.0    | 17.6                          | 4.6                      |  |  |    |
| 2029 | 83,826                             | 75%            | 20,957                      | 500                         | 2,000  | 12,000                             | 7,457                                    | 1,800   | 240     |           |          | 3,000     |              | 10           | 3,400  | 11,000                        | 350                      | 16,366   | (8,909)  |    |
|      |                                    |                |                             |                             |  |                                    |  | 1,800   | 50      |           |          | 1,800     |              | 0.66         | 372    | 11,000                        | 143                      |  |  |    |
|      |                                    |                |                             |                             |  |                                    |  | 6.6   | 2.7     |           |          | 6.9       |              | 0.04         | 1.9    | 14.1                          | 4.5                      |  |  |    |

**ASSUMPTIONS:**

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
- Daily Available Capacity from Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility is assumed to continue at their current permitted daily capacity during the planning period.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted washed or Expected Average Daily Tonnage for facilities with a restricted washed.

**LEGEND:**

- CC/CP -Closure due to exhausted capacity (CC) or permit expiration (CP)
- E -Expansion may become effective
- R -Restricted washed

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**APPENDIX E-3  
SCENARIO III - MEETING CALRECYCLE'S STATEWIDE DISPOSAL TARGET OF 2.7 PPD**

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate (78% by 2020)

• Exports based on Existing Export Agreements

| Year | Waste Generation Rate <sup>1</sup><br>A<br>(tpd-6) | Diversion Rate<br>Adjusted B | Total Daily Disposal Demand<br>Adjusted C=A(1-B)<br>(tpd-6) | Per Capita Disposal Rate Based on CalRecycle's Target = 2.7 | Imports from Other Counties<br>D<br>(tpd-6) | Daily Available Capacity from Transformation Facilities <sup>2</sup><br>E<br>(tpd-6) | Exports to Out-of-County Landfills<br>F<br>(tpd-6) | Class III Landfill Daily Disposal Demand<br>G=C+D-E-F<br>(tpd-6) | IN-COUNTY CLASS III LANDFILLS                   |           |             |          |           |              |                |          |   |                            |        | Total In-County Class III Landfill Available Capacity <sup>3</sup><br>H<br>(tpd-6) | Class III Landfill Daily Disposal Capacity Shortfall (Reserve)<br>I=G-H<br>(tpd-6) |
|------|--|------------------------------|---|---|---|--|--|--|---|-----------|-------------|----------|-----------|--------------|----------------|----------|---|----------------------------|--------|--|--|
|      |  |                              |   |   |   |  |  |  | 1   | 2         | 3           | 4        | 5         | 6            | 7              | 8        | 9   | 10                         | 11     |  |  |
|      |  |                              |   |   |   |  |  |  | Antelope Valley                                 | R Burbank | R Calabasas | Chiquita | Lancaster | Pebble Beach | R San Clemente | R Scholl | Sunshine City/County (Savage Canyon) Combined | R Whittier (Savage Canyon) |        |  |  |
|      |  |                              |   |   |   |  |  |  | Maximum Permitted Daily Capacity (tpd-6)        |           |             |          |           |              |                |          |   |                            |        |  |  |
|      |  |                              |   |   |   |  |  |  | Expected Average Daily Tonnage (tpd-6)          |           |             |          |           |              |                |          |   |                            |        |  |  |
|      |  |                              |   |   |   |  |  |  | Remaining Capacity at Year's End (Million Tons) |           |             |          |           |              |                |          |   |                            |        |  |  |
| 2014 | 70,170   | 60%                          | 28,068  | --  | 371   | 1,642  | 11,859   | 14,938   | 1,800   | 240       | 3,500       | 6,000    | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 23,651 | --   |  |
|      |  |                              |   |   |   |  |  |  | 1,415   | 100       | 707         | 3,411    | 307       | 11           | 1              | 745      | 7,582   | 286                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 14.9  | 2.9       | 6.5         | 1.8      | 12.0      | 0.1          | 0.04           | 3.8      | 64.7  | 5.3                        |        |  |  |
| 2015 | 71,576   | 61%                          | 27,915  | --  | 500   | 2,000  | 12,000   | 14,415   | 1,800   | 240       | 3,500       | 6,000    | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 23,586 | (9,172)  |  |
|      |  |                              |   |   |   |  |  |  | 1,600   | 97        | 682         | 4,000    | 296       | 11           | 1.27           | 719      | 9,000   | 276                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 14.4  | 2.9       | 6.3         | 0.6      | 11.9      | 0.05         | 0.04           | 3.6      | 61.9  | 5.2                        |        |  |  |
| 2016 | 73,006   | 63%                          | 27,012  | --  | 500   | 2,000  | 12,000   | 13,512   | 1,800   | 240       | 3,500       | 6,000    | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 23,475 | (9,962)  |  |
|      |  |                              |   |   |   |  |  |  | 1,700   | 91        | 639         | 4,500    | 500       | 10           | 1.19           | 674      | 10,000  | 259                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 13.9  | 2.9       | 6.1         | CC       | 11.8      | 0.05         | 0.04           | 3.4      | 58.8  | 5.1                        |        |  |  |
| 2017 | 74,268   | 66%                          | 25,251  | --  | 500   | 2,000  | 12,000   | 11,751   | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 17,256 | (5,505)  |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 79        | 556         |          | 600       | 9            | 1.03           | 586      | 11,000  | 225                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 13.4  | 2.8       | 5.9         |          | 11.6      | 0.04         | 0.04           | 3.2      | 55.3  | 5.0                        |        |  |  |
| 2018 | 75,225   | 69%                          | 23,320  | --  | 500   | 2,000  | 12,000   | 9,820  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 17,017 | (7,197)  |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 66        | 465         |          | 700       | 7            | 0.86           | 490      | 11,000  | 188                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 12.8  | 2.8       | 5.8         |          | 11.4      | 0.04         | 0.04           | 3.0      | 51.9  | 5.0                        |        |  |  |
| 2019 | 76,123   | 72%                          | 21,314  | --  | 500   | 2,000  | 12,000   | 7,814  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,768 | (8,954)  |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 52        | 370         |          | 800       | 6            | 0.69           | 390      | 11,000  | 150                        |        |  |  |
|      |  |                              |   |   |   |  |  |  | 12.2  | 2.8       | 5.7         | CP       | 11.1      | 0.04         | 0.04           | 2.9      | 48.5  | 4.9                        |        |  |  |
| 2020 | 76,910   | 78%                          | 16,596  | 2.70  | 500   | 2,000  | 12,000   | 3,096  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,184 | (13,088)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 21        | 146         |          | 900       | 2            | 0.27           | 154      | 11,000  | 59                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 11.7  | 2.8       | 5.6         |          | 10.8      | 0.04         | 0.04           | 2.9      | 45.0  | 4.9                        |        |  |  |
| 2021 | 77,336   | 78%                          | 16,695  | 2.70  | 500   | 2,000  | 12,000   | 3,195  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,196 | (13,001)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 21        | 151         |          | 1,000     | 2            | 0.28           | 159      | 11,000  | 61                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 11.1  | 2.8       | 5.6         |          | 10.5      | 0.04         | 0.04           | 2.8      | 41.6  | 4.9                        |        |  |  |
| 2022 | 77,884   | 78%                          | 16,802  | 2.70  | 500   | 2,000  | 12,000   | 3,302  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,209 | (12,907)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 22        | 156         |          | 1,100     | 2            | 0.29           | 165      | 11,000  | 63                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 10.5  | 2.8       | 5.5         |          | 10.2      | 0.04         | 0.04           | 2.8      | 38.2  | 4.9                        |        |  |  |
| 2023 | 78,722   | 79%                          | 16,910  | 2.70  | 500   | 2,000  | 12,000   | 3,410  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,223 | (12,813)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 23        | 161         |          | 1,200     | 3            | 0.30           | 170      | 11,000  | 65                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 10.0  | 2.8       | 5.5         |          | 9.8       | 0.04         | 0.04           | 2.7      | 34.7  | 4.8                        |        |  |  |
| 2024 | 79,653   | 79%                          | 17,016  | 2.70  | 500   | 2,000  | 12,000   | 3,516  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,236 | (12,720)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 24        | 166         |          | 1,300     | 3            | 0.31           | 175      | 11,000  | 67                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 9.4   | 2.8       | 5.4         |          | 9.4       | 0.04         | 0.04           | 2.7      | 31.3  | 4.8                        |        |  |  |
| 2025 | 79,954   | 79%                          | 17,123  | 2.70  | 500   | 2,000  | 12,000   | 3,623  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,249 | (12,626)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 24        | 171         |          | 1,400     | 3            | 0.32           | 181      | 11,000  | 69                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 8.9   | 2.8       | 5.4         |          | 9.0       | 0.04         | 0.04           | 2.6      | 27.9  | 4.8                        |        |  |  |
| 2026 | 81,003   | 79%                          | 17,232  | 2.70  | 500   | 2,000  | 12,000   | 3,732  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,262 | (12,530)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 25        | 177         |          | 1,500     | 3            | 0.33           | 186      | 11,000  | 71                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 8.3   | 2.7       | 5.3         |          | 8.5       | 0.03         | 0.04           | 2.6      | 24.4  | 4.8                        |        |  |  |
| 2027 | 81,978   | 79%                          | 17,339  | 2.70  | 500   | 2,000  | 12,000   | 3,839  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,276 | (12,436)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 26        | 182         |          | 1,600     | 3            | 0.34           | 192      | 11,000  | 74                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 7.7   | 2.7       | 5.3         |          | 8.0       | 0.03         | 0.04           | 2.5      | 21.0  | 4.7                        |        |  |  |
| 2028 | 82,921   | 79%                          | 17,450  | 2.70  | 500   | 2,000  | 12,000   | 3,950  | 1,800   | 240       | 3,500       |          | 3,000     | 49           | 10             | 3,400    | 11,000  | 350                        | 16,290 | (12,340)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 27        | 187         |          | 1,700     | 3            | 0.35           | 197      | 11,000  | 76                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 7.2   | 2.7       | CP          |          | 7.5       | CP           | 0.04           | 2.4      | 17.6  | 4.7                        |        |  |  |
| 2029 | 83,826   | 79%                          | 17,554  | 2.70  | 500   | 2,000  | 12,000   | 4,054  | 1,800   | 240       |             |          | 3,000     | 10           |                | 3,400    | 11,000  | 350                        | 16,108 | (12,053)   |  |
|      |  |                              |   |   |   |  |  |  | 1,800   | 27        |             |          | 1,800     | 3            | 0.36           | 202      | 11,000  | 78                         |        |  |  |
|      |  |                              |   |   |   |  |  |  | 6.6   | 2.7       |             |          | 6.9       | 0.04         | 2.4            | 14.1     | 4.7   |                            |        |  |  |

**ASSUMPTIONS/NOTES:**

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
- The Total Daily Disposal Demand for the years 2014 - 2019 (Column C) is determined based on the daily solid waste generation rate and the assumed diversion rates for the scenario. However, for the purposes of this scenario, the total daily disposal demand for the years 2020 - 2029 is adjusted CalRecycle's statewide disposal target of 2.7 pounds per person per day (PPD). As a result, the diversion rate is assumed to increase from 75% (as shown in the other scenarios) to 78% by 2020.
- Daily Available Capacity from Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility is assumed to continue at their current permitted daily capacity during the planning period.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.

**LEGEND:**

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

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**APPENDIX E-3  
SCENARIO IV - PROPOSED IN-COUNTY CLASS III LANDFILL EXPANSIONS**

• Existing In-County Class III Landfills & Transformation Facilities

• Exports based on Existing Export Agreements  
• Proposed Expansions of In-County Class III Landfills

• Diversion Rate (75% by 2020)

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand  | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |        |                               |                          |        | Total In-County Class III Landfill Available Capacity <sup>3</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|--|------------------------------------|---|-------------------------------|---------|-----------|----------|-----------|--------------|--------------|--------|-------------------------------|--------------------------|--------|--|--|
|         |                                    |                |                             |                             |  |                                    |   | Antelope Valley               | Burbank | Calabasas | Chiquita | Lancaster | Pebble Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) |        |  |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F  | G=C+D-E-F                          | Maximum Permitted Daily Capacity (tpd-6)<br>Expected Average Daily Tonnage (tpd-6)<br>Remaining Capacity at Year's End (Million Tons) |                               |         |           |          |           |              |              |        |                               |                          | H      | I=G-H  |  |
| (tpd-6) | (tpd-6)                            | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)                            | (tpd-6)   |                               |         |           |          |           |              |              |        |                               |                          |        | (tpd-6)  | (tpd-6)  |
| 2014    | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859                             | 14,938  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,651 | -  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,415                         | 100     | 707       | 3,411    | 307       | 11           | 1.31         | 745    | 7,250                         | 286                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.9                          | 2.9     | 6.5       | 1.8      | 12.0      | 0.05         | 0.04         | 3.8    | 64.7                          | 5.3                      |        |  |  |
| 2015    | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000                             | 14,415  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,586 | (9,172)  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,600                         | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719    | 9,000                         | 276                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.4                          | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6    | 61.9                          | 5.2                      |        |  |  |
| 2016    | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 12,000                             | 13,512  | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 27,475 | (13,962)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,700                         | 91      | 639       | 4,500    | 500       | 10           | 1.19         | 674    | 10,000                        | 259                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.9                          | 2.9     | 6.1       | 47.3     | 11.8      | 0.05         | 0.04         | 11.4   | 58.8                          | 5.1                      |        |  |  |
| 2017    | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 12,000                             | 11,751  | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 27,256 | (15,505)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 79      | 556       | 5,000    | 600       | 9            | 1.03         | 586    | 11,000                        | 225                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.4                          | 2.8     | 5.9       | 45.7     | 11.6      | 0.04         | 0.04         | 11.2   | 55.3                          | 5.0                      |        |  |  |
| 2018    | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 12,000                             | 9,820   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 27,017 | (17,197)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 66      | 465       | 5,500    | 700       | 7            | 0.86         | 490    | 11,000                        | 188                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.8                          | 2.8     | 5.8       | 44.0     | 11.4      | 0.04         | 0.04         | 11.0   | 51.9                          | 5.0                      |        |  |  |
| 2019    | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 12,000                             | 7,814   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,768 | (18,954)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 52      | 370       | 6,000    | 800       | 6            | 0.69         | 390    | 11,000                        | 150                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.2                          | 2.8     | 5.7       | 42.1     | 11.1      | 0.04         | 0.04         | 10.9   | 48.5                          | 4.9                      |        |  |  |
| 2020    | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 12,000                             | 5,728   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,510 | (20,782)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 271       | 6,500    | 900       | 4            | 0.50         | 286    | 11,000                        | 110                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.7                          | 2.8     | 5.6       | 40.1     | 10.8      | 0.04         | 0.04         | 10.8   | 45.0                          | 4.9                      |        |  |  |
| 2021    | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 12,000                             | 5,834   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,523 | (20,689)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 39      | 276       | 7,000    | 1,000     | 4            | 0.51         | 291    | 11,000                        | 112                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.1                          | 2.8     | 5.5       | 37.9     | 10.5      | 0.04         | 0.04         | 10.7   | 41.6                          | 4.8                      |        |  |  |
| 2022    | 77,884                             | 75%            | 19,471                      | 500                         | 2,000  | 12,000                             | 5,971   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,540 | (20,569)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 283       | 7,500    | 1,100     | 4            | 0.52         | 298    | 11,000                        | 114                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.5                          | 2.8     | 5.4       | 35.6     | 10.2      | 0.04         | 0.04         | 10.6   | 38.2                          | 4.8                      |        |  |  |
| 2023    | 78,722                             | 75%            | 19,681                      | 500                         | 2,000  | 12,000                             | 6,181   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,566 | (20,385)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 41      | 292       | 8,000    | 1,200     | 5            | 0.54         | 308    | 11,000                        | 118                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.0                          | 2.7     | 5.3       | 33.1     | 9.8       | 0.03         | 0.04         | 10.6   | 34.7                          | 4.8                      |        |  |  |
| 2024    | 79,653                             | 75%            | 19,913                      | 500                         | 2,000  | 12,000                             | 6,413   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,595 | (20,181)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 43      | 303       | 8,500    | 1,300     | 5            | 0.56         | 320    | 11,000                        | 123                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 9.4                           | 2.7     | 5.2       | 30.4     | 9.4       | 0.03         | 0.04         | 10.5   | 31.3                          | 4.7                      |        |  |  |
| 2025    | 79,954                             | 75%            | 19,989                      | 500                         | 2,000  | 12,000                             | 6,489   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,604 | (20,116)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 44      | 307       | 9,000    | 1,400     | 5            | 0.57         | 324    | 11,000                        | 124                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.9                           | 2.7     | 5.1       | 27.6     | 9.0       | 0.03         | 0.04         | 10.4   | 27.9                          | 4.7                      |        |  |  |
| 2026    | 81,003                             | 75%            | 20,251                      | 500                         | 2,000  | 12,000                             | 6,751   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,637 | (19,886)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 45      | 319       | 9,500    | 1,500     | 5            | 0.59         | 337    | 11,000                        | 129                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.3                           | 2.7     | 5.0       | 24.7     | 8.5       | 0.03         | 0.04         | 10.2   | 24.4                          | 4.7                      |        |  |  |
| 2027    | 81,978                             | 75%            | 20,494                      | 500                         | 2,000  | 12,000                             | 6,994   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,667 | (19,672)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 47      | 331       | 10,000   | 1,600     | 5            | 0.61         | 349    | 11,000                        | 134                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.7                           | 2.7     | 4.9       | 21.6     | 8.0       | 0.03         | 0.04         | 10.1   | 21.0                          | 4.6                      |        |  |  |
| 2028    | 82,921                             | 75%            | 20,730                      | 500                         | 2,000  | 12,000                             | 7,230   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,696 | (19,466)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 49      | 342       | 10,000   | 1,700     | 5            | 0.64         | 361    | 11,000                        | 139                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.2                           | 2.7     | CP        | 18.4     | 7.5       | CP           | 0.04         | 10.03  | 17.6                          | 4.6                      |        |  |  |
| 2029    | 83,826                             | 75%            | 20,957                      | 500                         | 2,000  | 12,000                             | 7,457   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 26,366 | (18,909)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 50      | CP        | 10,000   | 1,800     | 5            | 0.66         | 372    | 11,000                        | 143                      |        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 6.6                           | 2.7     |           | 15.3     | 6.9       | 0.04         | 9.91         | 14.1   | 4.5                           |                          |        |  |  |

**ASSUMPTIONS:**

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
- Daily Available Capacity from Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility is assumed to continue at their current permitted daily capacity during the planning period.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.

**LEGEND:**

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

**2014 ANNUAL REPORT  
LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

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

- Existing In-County Class III Landfills and Transformation Facilities
- Diversion Rate (75% by 2020)
- Exports based on Existing Export Agreements
- Utilization of Additional Alternative Technology Capacity

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Potential Available Capacity from Alternative Technology Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand        | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |        |                               |                          | Total In-County Class III Landfill Available Capacity <sup>3</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|--|------------------------------------|---|-------------------------------|---------|-----------|----------|-----------|--------------|--------------|--------|-------------------------------|--------------------------|--|--|
|         |                                    |                |                             |                             |  |                                    |   | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |        |                               |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | R                             | R       | R         | R        | R         | R            | R            | R      | R                             | R                        |  |  |
|         |                                    |                |                             |                             |  |                                    |   | Antelope Valley               | Burbank | Calabasas | Chiquita | Lancaster | Pebble Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) |  |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F  | G=C+D-E-F                          | Maximum Permitted Daily Capacity (tpd-6)        |                               |         |           |          |           |              |              |        |                               | H                        | I=G-H  |  |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)                            | Expected Average Daily Tonnage (tpd-6)          |                               |         |           |          |           |              |              |        |                               | (tpd-6)                  | (tpd-6)  |  |
|         |                                    |                |                             |                             |  |                                    | Remaining Capacity at Year's End (Million Tons) |                               |         |           |          |           |              |              |        |                               |                          |  |  |
| 2014    | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859                             | 14,938  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,651   | -  |
|         |                                    |                |                             |                             |  |                                    |   | 1,415                         | 100     | 707       | 3,411    | 307       | 11           | 1            | 745    | 7,582                         | 286                      |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.9                          | 2.9     | 6.5       | 1.8      | 12.0      | 0.1          | 0.04         | 3.8    | 64.7                          | 5.3                      |  |  |
| 2015    | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000                             | 14,415  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,586   | (9,172)  |
|         |                                    |                |                             |                             |  |                                    |   | 1,600                         | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719    | 9,000                         | 276                      |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.4                          | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6    | 61.9                          | 5.2                      |  |  |
| 2016    | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 12,000                             | 13,512  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,475   | (9,962)  |
|         |                                    |                |                             |                             |  |                                    |   | 1,700                         | 91      | 639       | 4,500    | 500       | 10           | 1.19         | 674    | 10,000                        | 259                      |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.9                          | 2.9     | 6.1       | CC       | 11.8      | 0.05         | 0.04         | 3.4    | 58.8                          | 5.1                      |  |  |
| 2017    | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 12,000                             | 11,751  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,256                   | (5,505)  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 79      | 556       | 600      | 9         | 1.03         | 586          | 11,000 | 225                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.4                          | 2.8     | 5.9       | 11.6     | 0.04      | 0.04         | 3.2          | 55.3   | 5.0                           |                          |  |  |
| 2018    | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 12,000                             | 9,820   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,017                   | (7,197)  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 66      | 465       | 700      | 7         | 0.86         | 490          | 11,000 | 188                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.8                          | 2.8     | 5.8       | 11.4     | 0.04      | 0.04         | 3.0          | 51.9   | 5.0                           |                          |  |  |
| 2019    | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 12,000                             | 7,814   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,768                   | (8,954)  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 52      | 370       | 800      | 6         | 0.69         | 390          | 11,000 | 150                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.2                          | 2.8     | 5.7       | CP       | 11.1      | 0.04         | 0.04         | 2.9    | 48.5                          | 4.9                      |  |  |
| 2020    | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 12,000                             | 5,728   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,510                   | (10,782)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 271       | 900      | 4         | 0.50         | 286          | 11,000 | 110                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.7                          | 2.8     | 5.6       | 10.8     | 0.04      | 0.04         | 2.8          | 45.0   | 4.9                           |                          |  |  |
| 2021    | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 12,000                             | 5,834   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,523                   | (10,689)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 39      | 276       | 1,000    | 4         | 0.51         | 291          | 11,000 | 112                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.1                          | 2.8     | 5.5       | 10.5     | 0.04      | 0.04         | 2.7          | 41.6   | 4.8                           |                          |  |  |
| 2022    | 77,884                             | 75%            | 19,471                      | 500                         | 2,500  | 12,000                             | 5,471   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,478                   | (11,007)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 37      | 259       | 1,100    | 4         | 0.48         | 273          | 11,000 | 105                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.5                          | 2.8     | 5.4       | 10.2     | 0.04      | 0.04         | 2.7          | 38.2   | 4.8                           |                          |  |  |
| 2023    | 78,722                             | 75%            | 19,681                      | 500                         | 2,500  | 12,000                             | 5,681   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,504                   | (10,823)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 269       | 1,200    | 4         | 0.50         | 283          | 11,000 | 109                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.0                          | 2.7     | 5.3       | 9.8      | 0.04      | 0.04         | 2.6          | 34.7   | 4.8                           |                          |  |  |
| 2024    | 79,653                             | 75%            | 19,913                      | 500                         | 2,500  | 12,000                             | 5,913   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,533                   | (10,619)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 280       | 1,300    | 4         | 0.52         | 295          | 11,000 | 113                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 9.4                           | 2.7     | 5.3       | 9.4      | 0.03      | 0.04         | 2.5          | 31.3   | 4.7                           |                          |  |  |
| 2025    | 79,954                             | 75%            | 19,989                      | 500                         | 2,500  | 12,000                             | 5,989   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,542                   | (10,554)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 283       | 1,400    | 4         | 0.53         | 299          | 11,000 | 115                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.9                           | 2.7     | 5.2       | 9.0      | 0.03      | 0.04         | 2.4          | 27.9   | 4.7                           |                          |  |  |
| 2026    | 81,003                             | 75%            | 20,251                      | 500                         | 2,500  | 12,000                             | 6,251   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,575                   | (10,324)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 42      | 296       | 1,500    | 5         | 0.55         | 312          | 11,000 | 120                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.3                           | 2.7     | 5.1       | 8.5      | 0.03      | 0.04         | 2.3          | 24.4   | 4.7                           |                          |  |  |
| 2027    | 81,978                             | 75%            | 20,494                      | 500                         | 3,000  | 12,000                             | 5,994   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,543                   | (10,548)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 284       | 1,600    | 4         | 0.53         | 299          | 11,000 | 115                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.7                           | 2.7     | 5.0       | 8.0      | 0.03      | 0.04         | 2.2          | 21.0   | 4.6                           |                          |  |  |
| 2028    | 82,921                             | 75%            | 20,730                      | 500                         | 3,000  | 12,000                             | 6,230   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,572                   | (10,342)   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 42      | 295       | 1,700    | 5         | 0.55         | 311          | 11,000 | 119                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.2                           | 2.7     | CP        | 7.5      | CP        | 0.04         | 2.1          | 17.6   | 4.6                           |                          |  |  |
| 2029    | 83,826                             | 75%            | 20,957                      | 500                         | 3,000  | 12,000                             | 6,457   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,290                   | (9,833)  |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 43      | 296       | 1,800    | 5         | 0.57         | 322          | 11,000 | 124                           |                          |  |  |
|         |                                    |                |                             |                             |  |                                    |   | 6.6                           | 2.7     | CP        | 6.9      | CP        | 0.04         | 2.0          | 14.1   | 4.6                           |                          |  |  |

**ASSUMPTIONS:**

1. Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
2. Potential Available Capacity from Alternative Technology Facilities assume that Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility will continue to operate at their current permitted daily during the planning period. It also assumes that additional capacity will be available from potential EMSW facilities or other alternative technologies. Potential capacity from an anaerobic digestion facility is considered part of diversion since anaerobic digestion process is within the statutory definition of composting which is considered as recycling.
3. Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.

**LEGEND:**

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

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**APPENDIX E-4**

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

• Existing In-County Class III Landfills and Transformation Facilities

• Diversion Rate (75% by 2020)

• Exports based on Existing Export Agreements

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

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Daily Available Capacity from Transformation Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand        | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |        |                               |                          |  | Potential Waste-by-Rail Capacity <sup>4</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|--|------------------------------------|---|-------------------------------|---------|-----------|----------|-----------|--------------|--------------|--------|-------------------------------|--------------------------|--|---|--|
|         |                                    |                |                             |                             |  |                                    |   | Antelope Valley               | Burbank | Calabasas | Chiquita | Lancaster | Pebble Beach | San Clemente | Scholl | Sunshine City/County Combined | Whittier (Savage Canyon) | Total In-County Class III Landfill Available Capacity <sup>3</sup> |   |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F  | G=C+D-E-F                          | Maximum Permitted Daily Capacity (tpd-6)        |                               |         |           |          |           |              |              |        |                               |                          | H  | I   | J=G-H-I  |
| (tpd-6) |                                    | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)                            | Expected Average Daily Tonnage (tpd-6)          |                               |         |           |          |           |              |              |        |                               |                          | (tpd-6)  | (tpd-6)                                       | (tpd-6)  |
|         |                                    |                |                             |                             |  |                                    | Remaining Capacity at Year's End (Million Tons) |                               |         |           |          |           |              |              |        |                               |                          |  |   |  |
| 2014    | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859                             | 14,938  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,651   | -   | -  |
|         |                                    |                |                             |                             |  |                                    |   | 1,415                         | 100     | 707       | 3,411    | 307       | 11           | 1            | 745    | 7,582                         | 286                      |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.9                          | 2.9     | 6.5       | 1.8      | 12.0      | 0.1          | 0.04         | 3.8    | 64.7                          | 5.3                      |  |   |  |
| 2015    | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000                             | 14,415  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,586   | -   | (9,172)  |
|         |                                    |                |                             |                             |  |                                    |   | 1,600                         | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719    | 9,000                         | 276                      |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.4                          | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6    | 61.9                          | 5.2                      |  |   |  |
| 2016    | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 12,000                             | 13,512  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400  | 11,000                        | 350                      | 23,475   | -   | (9,962)  |
|         |                                    |                |                             |                             |  |                                    |   | 1,700                         | 91      | 639       | 4,500    | 500       | 10           | 1.19         | 674    | 10,000                        | 259                      |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.9                          | 2.9     | 6.1       | CC       | 11.8      | 0.05         | 0.04         | 3.4    | 58.8                          | 5.1                      |  |   |  |
| 2017    | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 12,000                             | 11,751  | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,256                   | -  | (5,505)                                       |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 79      | 556       | 600      | 9         | 1.03         | 586          | 11,000 | 225                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.4                          | 2.8     | 5.9       | 11.6     | 0.04      | 0.04         | 3.2          | 55.3   | 5.0                           |                          |  |   |  |
| 2018    | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 12,000                             | 9,820   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 17,017                   | 4,000  | (11,197)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 66      | 465       | 700      | 7         | 0.86         | 490          | 11,000 | 188                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.8                          | 2.8     | 5.8       | 11.4     | 0.04      | 0.04         | 3.0          | 51.9   | 5.0                           |                          |  |   |  |
| 2019    | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 12,000                             | 7,814   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,768                   | 4,000  | (12,954)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 52      | 370       | 800      | 6         | 0.69         | 390          | 11,000 | 150                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.2                          | 2.8     | 5.7       | CP       | 11.1      | 0.04         | 0.04         | 2.9    | 48.5                          | 4.9                      |  |   |  |
| 2020    | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 12,000                             | 5,728   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,510                   | 4,000  | (14,782)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 271       | 900      | 4         | 0.50         | 286          | 11,000 | 110                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.7                          | 2.8     | 5.6       | 10.8     | 0.04      | 0.04         | 2.8          | 45.0   | 4.9                           |                          |  |   |  |
| 2021    | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 12,000                             | 5,834   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,523                   | 4,000  | (14,689)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 39      | 276       | 1,000    | 4         | 0.51         | 291          | 11,000 | 112                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.1                          | 2.8     | 5.5       | 10.5     | 0.04      | 0.04         | 2.7          | 41.6   | 4.8                           |                          |  |   |  |
| 2022    | 77,884                             | 75%            | 19,471                      | 500                         | 2,000  | 12,000                             | 5,971   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,540                   | 4,000  | (14,569)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 283       | 1,100    | 4         | 0.52         | 298          | 11,000 | 114                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.5                          | 2.8     | 5.4       | 10.2     | 0.04      | 0.04         | 2.6          | 38.2   | 4.8                           |                          |  |   |  |
| 2023    | 78,722                             | 75%            | 19,681                      | 500                         | 2,000  | 12,000                             | 6,181   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,566                   | 4,000  | (14,385)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 41      | 292       | 1,200    | 5         | 0.54         | 308          | 11,000 | 118                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.0                          | 2.7     | 5.3       | 9.8      | 0.03      | 0.04         | 2.6          | 34.7   | 4.8                           |                          |  |   |  |
| 2024    | 79,653                             | 75%            | 19,913                      | 500                         | 2,000  | 12,000                             | 6,413   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,595                   | 4,000  | (14,181)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 43      | 303       | 1,300    | 5         | 0.56         | 320          | 11,000 | 123                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 9.4                           | 2.7     | 5.2       | 9.4      | 0.03      | 0.04         | 2.5          | 31.3   | 4.7                           |                          |  |   |  |
| 2025    | 79,954                             | 75%            | 19,989                      | 500                         | 2,000  | 12,000                             | 6,489   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,604                   | 4,000  | (14,116)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 44      | 307       | 1,400    | 5         | 0.57         | 324          | 11,000 | 124                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.9                           | 2.7     | 5.1       | 9.0      | 0.03      | 0.04         | 2.4          | 27.9   | 4.7                           |                          |  |   |  |
| 2026    | 81,003                             | 75%            | 20,251                      | 500                         | 2,000  | 12,000                             | 6,751   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,637                   | 4,000  | (13,886)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 45      | 319       | 1,500    | 5         | 0.59         | 337          | 11,000 | 129                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.3                           | 2.7     | 5.0       | 8.5      | 0.03      | 0.04         | 2.2          | 24.4   | 4.7                           |                          |  |   |  |
| 2027    | 81,978                             | 75%            | 20,494                      | 500                         | 2,000  | 12,000                             | 6,994   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,667                   | 4,000  | (13,672)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 47      | 331       | 1,600    | 5         | 0.61         | 349          | 11,000 | 134                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.7                           | 2.7     | 4.9       | 8.0      | 0.03      | 0.04         | 2.1          | 21.0   | 4.6                           |                          |  |   |  |
| 2028    | 82,921                             | 75%            | 20,730                      | 500                         | 2,000  | 12,000                             | 7,230   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,696                   | 4,000  | (13,466)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 49      | 342       | 1,700    | 5         | 0.64         | 361          | 11,000 | 139                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.2                           | 2.7     | CP        | 7.5      | CP        | 0.04         | 2.0          | 17.6   | 4.6                           |                          |  |   |  |
| 2029    | 83,826                             | 75%            | 20,957                      | 500                         | 2,000  | 12,000                             | 7,457   | 1,800                         | 240     | 3,500     | 3,000    | 49        | 10           | 3,400        | 11,000 | 350                           | 16,366                   | 4,000  | (12,909)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 50      | 342       | 1,800    | 5         | 0.66         | 372          | 11,000 | 143                           |                          |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 6.6                           | 2.7     | CP        | 6.9      | CP        | 0.04         | 1.9          | 14.1   | 4.5                           |                          |  |   |  |

**ASSUMPTIONS:**

1. Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
2. Daily Available Capacity from Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility is assumed to continue at their current permitted daily capacity during the planning period.
3. Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted watershed or Expected Average Daily Tonnage for facilities with a restricted watershed.
4. The operation of the Mesquite Regional Landfill (MRL) and waste by rail system (WBR) is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fee make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the analysis, the waste-by-rail system is assumed to begin its operation in 2018.

**LEGEND:**

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

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

- Existing In-County Class III Landfills & Transformation Facilities
- Exports based on Existing Export Agreements
- Diversion Rate (75% by 2020)
- Utilization of Additional Alternative Technology Capacity
- Proposed Expansions of In-County Class III Landfills
- Increase in Exports to Out-of-County Landfills (Including Potential Waste-by-Rail Capacity)

| Year    | Waste Generation Rate <sup>1</sup> | Diversion Rate | Total Daily Disposal Demand | Imports from Other Counties | Potential Available Capacity from Alternative Technology Facilities <sup>2</sup> | Exports to Out-of-County Landfills | Class III Landfill Daily Disposal Demand  | IN-COUNTY CLASS III LANDFILLS |         |           |          |           |              |              |         |                               |                          |         | Total In-County Class III Landfill Available Capacity <sup>3</sup> | Potential Waste-by-Rail Capacity <sup>4</sup> | Class III Landfill Daily Disposal Capacity Shortfall (Reserve) |
|---------|------------------------------------|----------------|-----------------------------|-----------------------------|--|------------------------------------|---|-------------------------------|---------|-----------|----------|-----------|--------------|--------------|---------|-------------------------------|--------------------------|---------|--|---|--|
|         |                                    |                |                             |                             |  |                                    |   | Antelope Valley               | Burbank | Calabasas | Chiquita | Lancaster | Pebble Beach | San Clemente | Scholl  | Sunshine City/County Combined | Whittier (Savage Canyon) |         |  |   |  |
| A       | B                                  | C=A(1-B)       | D                           | E                           | F  | G=C+D-E-F                          | Maximum Permitted Daily Capacity (tpd-6)<br>Expected Average Daily Tonnage (tpd-6)<br>Remaining Capacity at Year's End (Million Tons) |                               |         |           |          |           |              |              |         |                               |                          | I       | J  | K=H-I-J                                       |  |
| (tpd-6) | (tpd-6)                            | (tpd-6)        | (tpd-6)                     | (tpd-6)                     | (tpd-6)  | (tpd-6)                            | (tpd-6)   | (tpd-6)                       | (tpd-6) | (tpd-6)   | (tpd-6)  | (tpd-6)   | (tpd-6)      | (tpd-6)      | (tpd-6) | (tpd-6)                       | (tpd-6)                  | (tpd-6) | (tpd-6)  |   |  |
| 2014    | 70,170                             | 60%            | 28,068                      | 371                         | 1,642  | 11,859                             | 14,938  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 23,651  | —  | —   |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,415                         | 100     | 707       | 3,411    | 307       | 11           | 1.31         | 745     | 7,250                         | 286                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.9                          | 2.9     | 6.5       | 1.8      | 12.0      | 0.05         | 0.04         | 3.8     | 64.7                          | 5.3                      |         |  |   |  |
| 2015    | 71,576                             | 61%            | 27,915                      | 500                         | 2,000  | 12,000                             | 14,415  | 1,800                         | 240     | 3,500     | 6,000    | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 23,586  | —  | (9,172)                                       |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,600                         | 97      | 682       | 4,000    | 296       | 11           | 1.27         | 719     | 9,000                         | 276                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 14.4                          | 2.9     | 6.3       | 0.6      | 11.9      | 0.05         | 0.04         | 3.6     | 61.9                          | 5.2                      |         |  |   |  |
| 2016    | 73,006                             | 63%            | 27,012                      | 500                         | 2,000  | 12,000                             | 13,512  | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 27,475  | —  | (13,962)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,700                         | 91      | 639       | 4,500    | 500       | 10           | 1.19         | 674     | 10,000                        | 259                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.9                          | 2.9     | 6.1       | 47.3     | 11.8      | 0.05         | 0.04         | 11.4    | 58.8                          | 5.1                      |         |  |   |  |
| 2017    | 74,268                             | 66%            | 25,251                      | 500                         | 2,000  | 12,000                             | 11,751  | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 27,256  | —  | (15,505)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 79      | 556       | 5,000    | 600       | 9            | 1.03         | 586     | 11,000                        | 225                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 13.4                          | 2.8     | 5.9       | 45.7     | 11.6      | 0.04         | 0.04         | 11.2    | 55.3                          | 5.0                      |         |  |   |  |
| 2018    | 75,225                             | 69%            | 23,320                      | 500                         | 2,000  | 12,000                             | 9,820   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 27,017  | 4,000  | (21,197)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 66      | 465       | 5,500    | 700       | 7            | 0.86         | 490     | 11,000                        | 188                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.8                          | 2.8     | 5.8       | 44.0     | 11.4      | 0.04         | 0.04         | 11.0    | 51.9                          | 5.0                      |         |  |   |  |
| 2019    | 76,123                             | 72%            | 21,314                      | 500                         | 2,000  | 12,000                             | 7,814   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,768  | 4,000  | (22,954)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 52      | 370       | 6,000    | 800       | 6            | 0.69         | 390     | 11,000                        | 150                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 12.2                          | 2.8     | 5.7       | 42.1     | 11.1      | 0.04         | 0.04         | 10.9    | 48.5                          | 4.9                      |         |  |   |  |
| 2020    | 76,910                             | 75%            | 19,228                      | 500                         | 2,000  | 12,000                             | 5,728   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,510  | 4,000  | (24,782)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 271       | 6,500    | 900       | 4            | 0.50         | 286     | 11,000                        | 110                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.7                          | 2.8     | 5.6       | 40.1     | 10.8      | 0.04         | 0.04         | 10.8    | 45.0                          | 4.9                      |         |  |   |  |
| 2021    | 77,336                             | 75%            | 19,334                      | 500                         | 2,000  | 12,000                             | 5,834   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,523  | 4,000  | (24,689)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 39      | 276       | 7,000    | 1,000     | 4            | 0.51         | 291     | 11,000                        | 112                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 11.1                          | 2.8     | 5.5       | 37.9     | 10.5      | 0.04         | 0.04         | 10.7    | 41.6                          | 4.8                      |         |  |   |  |
| 2022    | 77,884                             | 75%            | 19,471                      | 500                         | 2,500  | 12,000                             | 5,471   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,478  | 4,000  | (25,007)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 37      | 259       | 7,500    | 1,100     | 4            | 0.48         | 273     | 11,000                        | 105                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.5                          | 2.8     | 5.4       | 35.6     | 10.2      | 0.04         | 0.04         | 10.7    | 38.2                          | 4.8                      |         |  |   |  |
| 2023    | 78,722                             | 75%            | 19,681                      | 500                         | 2,500  | 12,000                             | 5,681   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,504  | 4,000  | (24,823)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 38      | 269       | 8,000    | 1,200     | 4            | 0.50         | 283     | 11,000                        | 109                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 10.0                          | 2.7     | 5.3       | 33.1     | 9.8       | 0.04         | 0.04         | 10.6    | 34.7                          | 4.8                      |         |  |   |  |
| 2024    | 79,653                             | 75%            | 19,913                      | 500                         | 2,500  | 12,000                             | 5,913   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,533  | 4,000  | (24,619)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 280       | 8,500    | 1,300     | 4            | 0.52         | 295     | 11,000                        | 113                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 9.4                           | 2.7     | 5.3       | 30.4     | 9.4       | 0.03         | 0.04         | 10.5    | 31.3                          | 4.7                      |         |  |   |  |
| 2025    | 79,954                             | 75%            | 19,989                      | 500                         | 2,500  | 12,000                             | 5,989   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,542  | 4,000  | (24,554)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 283       | 9,000    | 1,400     | 4            | 0.53         | 299     | 11,000                        | 115                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.9                           | 2.7     | 5.2       | 27.6     | 9.0       | 0.03         | 0.04         | 10.4    | 27.9                          | 4.7                      |         |  |   |  |
| 2026    | 81,003                             | 75%            | 20,251                      | 500                         | 2,500  | 12,000                             | 6,251   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,575  | 4,000  | (24,324)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 42      | 296       | 9,500    | 1,500     | 5            | 0.55         | 312     | 11,000                        | 120                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 8.3                           | 2.7     | 5.1       | 24.7     | 8.5       | 0.03         | 0.04         | 10.3    | 24.4                          | 4.7                      |         |  |   |  |
| 2027    | 81,978                             | 75%            | 20,494                      | 500                         | 3,000  | 12,000                             | 5,994   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,543  | 4,000  | (24,548)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 40      | 284       | 10,000   | 1,600     | 4            | 0.53         | 299     | 11,000                        | 115                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.7                           | 2.7     | 5.0       | 21.6     | 8.0       | 0.03         | 0.04         | 10.2    | 21.0                          | 4.6                      |         |  |   |  |
| 2028    | 82,921                             | 75%            | 20,730                      | 500                         | 3,000  | 12,000                             | 6,230   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,572  | 4,000  | (24,342)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 42      | 295       | 10,000   | 1,700     | 5            | 0.55         | 311     | 11,000                        | 119                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 7.2                           | 2.7     | CP        | 18.4     | 7.5       | CP           | 0.04         | 10.10   | 17.6                          | 4.6                      |         |  |   |  |
| 2029    | 83,826                             | 75%            | 20,957                      | 500                         | 3,000  | 12,000                             | 6,457   | 1,800                         | 240     | 3,500     | 10,000   | 3,000     | 49           | 10           | 3,400   | 11,000                        | 350                      | 26,290  | 4,000  | (23,833)                                      |  |
|         |                                    |                |                             |                             |  |                                    |   | 1,800                         | 43      | CP        | 10,000   | 1,800     | 5            | 0.57         | 322     | 11,000                        | 124                      |         |  |   |  |
|         |                                    |                |                             |                             |  |                                    |   | 6.6                           | 2.7     | CP        | 15.3     | 6.9       | 0.04         | 0.04         | 10.00   | 14.1                          | 4.6                      |         |  |   |  |

**ASSUMPTIONS:**

- Waste Generation is estimated using CalRecycle's Adjustment Methodology, utilizing population projection, employment and real taxable sales projections from UCLA's Longterm Forecast, July 2014.
- Potential Available Capacity from Alternative Technology Facilities assume that Commerce Refuse-to-Energy Facility and Southeast Resource Recovery Facility will continue to operate at their current permitted daily capacity during the planning period. It also assumes that additional capacity will be available from potential EMSW facilities or other alternative technologies. Potential capacity from an anaerobic digestion facility is considered part of diversion since anaerobic digestion process is within the statutory definition of composting which is considered as recycling.
- Total In-County Class III Landfill Available Capacity is calculated based on Maximum Permitted Daily Capacity (in blue text) for facilities without a restricted wasteshed or Expected Average Daily Tonnage for facilities with a restricted wasteshed.
- The operation of the Mesquite Regional Landfill (MRL) and waste by rail system (WBR) is entirely dependent on the availability of in-county and near-county disposal capacity, diversion from landfills and the cost of disposal. When the MRL/WBR disposal capacity is needed and when the tipping fees make MRL/WBR economically viable, then the system may begin operation. However, for the purpose of the analysis, the waste-by-rail system is assumed to begin its operation in 2018.

**LEGEND:**

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

## **Appendix E-4**

### **List and Map of Large Volume Transfer and Processing Facilities in Los Angeles County in 2014**

**2014 Annual Report**

Los Angeles County Countywide Integrated Waste Management Plan

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**2014 ANNUAL REPORT  
LOS ANGELES COUNTY COUTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

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

**Transfer Stations, Material Recovery Facilities, and CDI Processing Facilities**

|    | Facility Name   | Location Address                                      | Permitted Capacity (tpd) | Facility Recycling Rate | Transfer Facilities Only | Mixed Solid Waste <sup>10</sup><br>Recycling Rate | Mixed C&D Waste <sup>11</sup><br>Recycling Rate | Mixed Food Waste <sup>12</sup><br>Recycling Rate |
|----|---|---|--------------------------|-------------------------|--------------------------|---|---|--|
| 1  | Active Recycling MRF and Transfer Station                       | 2000 W. Slauson Avenue, Los Angeles, CA 90047         | 250                      | 64.00%                  |                          | 13.00%  | ----  | ----   |
| 2  | American Reclamation CDI Processing Facility                    | 4560 Doran Street, Los Angeles, CA 90039              | 174                      | 85.50%                  |                          | ----  | 85.54%  | ----   |
| 3  | American Waste Transfer Station                                 | 1449 West Rosecrans Avenue, Gardena, CA 90249         | 2,225                    | 13.64%                  |                          | 13.64%  |   |  |
| 4  | Athens Services   | 14048 East Valley Boulevard, Industry, CA 91746       | 5,000                    | 26.50%                  |                          | 25.17%  | ----  | 83.79%   |
| 5  | Athens Sun Valley MRF   | 11121 Pendleton Street, Sun Valley, CA 91353          | 1,500                    | N/A <sup>13</sup>       |                          | 30.00%  | ----  | ----   |
| 6  | Azusa Transfer and MRF  | 1501 West Gladstone Street, Azusa, CA 91701           | 3,800                    | N/A                     |                          | 85.00%  | ----  | ----   |
| 7  | Bel-Art Waste Transfer Station                                  | 2501 East 68th Street Long Beach, CA 90805            | 1,500                    | 31.37%                  |                          | 31.37%  |   |  |
| 8  | California Waste Services, LLC                                  | 621 West 152nd Street, Gardena, CA 90247              | 1,000                    | 76.46%                  |                          | ----  | 70.00%  | ----   |
| 9  | Carson Transfer Station and MRF                                 | 321 West Francisco Street, Carson, CA 90745           | 5,300                    | X                       | X                        |   |   |  |
| 10 | Central LA Recycling & Transfer Station                         | 2201 E Washington Boulevard, Los Angeles, CA 90034    | 4,025                    | X                       | X                        |   |   |  |
| 11 | City of Inglewood Transfer Station                              | 222 West Beach Avenue, Inglewood, CA 90302            | 100                      | X                       | X                        |   |   |  |
| 12 | City of Lancaster Maintenance Yard MVTs                         | 46008 North 7th Street West, Lancaster, CA 93534      | 100                      | X                       | X                        |   |   |  |
| 13 | City Terrace Recycling Transfer Station                         | 1511-1533 Fishburn Avenue, City Terrace, CA 90063     | 700                      | 15.72%                  |                          | 20.62%  | ----  | ----   |
| 14 | Clean Up America  | 2900 Lugo Street, Los Angeles, CA 90023               | 174                      | 73.41%                  |                          | ----  | 73.41%  | ----   |
| 15 | Commercial Waste Services, Inc.                                 | 1530 and 1540 Date Street, Montebello, CA 90640       | 175                      | 87%                     |                          | ----  | 84.00%  | ----   |
| 16 | Community Recycling & Resource Recovery, Inc.                   | 9147 De Garmo Avenue, Sun Valley, CA 91352            | 1,700                    | 56.00%                  |                          | 22.79%  | 91.99%  | 85.00%   |
| 17 | Compton Recycling & Transfer Station (Allied/BFI Waste Systems) | 2509 West Rosecrans Avenue, Compton, CA 90059         | 1,500                    | X                       | X                        |   |   |  |
| 18 | Construction and Demolition Recycling                           | 9309 Rayo Avenue, South Gate, CA 90280                | 3,000                    | 77.58%                  |                          | ----  | 77.58%  | ----   |
| 19 | Culver City Transfer/Recycling Station                          | 9255 West Jefferson Boulevard, Culver City, CA 90232  | 500                      | X                       | X                        |   |   |  |
| 20 | Direct Disposal C&D Recycling                                   | 3720 Noakes Street, Los Angeles, CA 90023             | 120                      | 82.01%                  |                          | ----  | 70.09%  | ----   |
| 21 | Downey Area Recycling & Transfer                                | 9770 Washburn Road, Downey, 90241                     | 5,000                    | 23.37%                  |                          | 23.37%  | ----  | ----   |
| 22 | East Los Angeles Recycling And Transfer                         | 1512 North Bonnie Beach Place, City Terrace, CA 90063 | 700                      | 16.34%                  |                          | 16.34%  |   |  |
| 23 | East Street Maintenance District Yard                           | 452 San Fernando Road, Los Angeles, CA 90065          | 315                      | X                       | X                        |   |   |  |
| 24 | EDCO Recycling and Transfer                                     | 2755 California Avenue, Signal Hill, CA 90755         | 1,500                    | X                       | X                        |   |   |  |
| 25 | Falcon Refuse Center, Inc.                                      | 3031 East "I" Street, Wilmington, CA 90744            | 1,850                    | N/A                     |                          | ----  | 81.52%<br>(Effective February 4, 2014)          | ----   |
| 26 | Granada Hills Street MDY  | 10210 Etiwanda Avenue, Northridge, CA 91325           | 450                      | X                       | X                        |   |   |  |
| 27 | Grand Central Recycling & Transfer Station                      | 999 Hatcher Boulevard, Industry, CA 91748             | 5,000                    | N/A                     |                          | 32.50%  | 50.00%  | ----   |
| 28 | Innovative Waste Control  | 4133 Bandini Boulevard, Vernon, CA 90023              | 1,250                    | 0.77%                   |                          | 0.77%   |   |  |

<sup>10</sup> A mixed solid waste processing facility refers to a facility that manages unsegregated refuse and separates material to be recycled or composted before the remainder is sent for disposal.

<sup>11</sup> A mixed C&D waste processing facility refers to a facility that accepts C&D materials in a mixed form and processes them for recovery.

<sup>12</sup> A mixed food waste processing facility refers to a facility that manages pre-consumed food or post-consumed food scrapings and leftovers collected from food service establishments (FSEs). Mixed Food Waste may include other biodegradable or organic material such as paper or cardboard.

<sup>13</sup> N/A- means information is not available.

|    | Facility Name                             | Location Address   | Permitted Capacity (tpd) | Facility Recycling Rate | Transfer Facilities Only | Mixed Solid Waste <sup>10</sup><br>Recycling Rate | Mixed C&D Waste <sup>11</sup><br>Recycling Rate | Mixed Food Waste <sup>12</sup><br>Recycling Rate |
|----|---|--|--------------------------|-------------------------|--------------------------|---|---|--|
| 29 | Looney Bins/Downtown Diversion            | 2424 E Olympic Boulevard, Los Angeles, CA 90021          | 1,500                    | 80.13%                  |                          | ----  | 80.13% (Effective June 9, 2014)                 | ----   |
| 30 | Looney Bins/East Valley Diversion         | 11616 Sheldon Street, Sun Valley, CA 91352               | 750                      | 75.97%                  |                          | ----  | 75.97% (Effective June 9, 2014)                 | ----   |
| 31 | Mission Recycling/West Coast Recycling    | 1326 East Ninth Street, Pomona, CA 91766                 | 300                      | N/A                     |                          | N/A   | ----  | ----   |
| 32 | Mission Recycling/West Coast Recycling    | 1341 East Mission Boulevard, Pomona, 91766               | 200                      | N/A                     |                          | N/A   | ----  | ----   |
| 33 | Mission Road Recycling & Transfer Station | 840 South Mission Road, Los Angeles, CA 90023            | 1,785                    | 43.01%                  |                          | ----  | ----  | 83.09%   |
| 34 | Norwalk Transfer Station                  | 13780 East Imperial Highway, Santa Fe Springs, CA 90670  | 100                      | N/A                     |                          | 40.00%  | ----  | ----   |
| 35 | Paramount Resource Recycling Facility     | 7230 Petterson Lane, Paramount, CA 90723                 | 2,450                    | 37.80%                  |                          | 49.65%  | ----  | ----   |
| 36 | Pomona Municipal Direct Transfer Facility | 1730 East First Street, Pomona, CA 91769                 | 150                      | X                       | X                        |   |   |  |
| 37 | Puente Hills Materials Recovery Facility  | 2808 Workman Mill Road, Whittier, 90601                  | 4,400                    | 10.83%                  |                          | 10.83%  | ----  | ----   |
| 38 | South Gate Transfer Station               | 9530 South Garfield Avenue, South Gate, CA 90280         | 1,000                    | 2.72%                   |                          | 2.72%   |   |  |
| 39 | Southern Cal. Disposal Co. R. & TS        | 1908 Frank Street, Santa Monica, CA 90404                | 1,056                    | 12.25%                  |                          | 12.25%  | ----  | ----   |
| 40 | Southwest Street MDY                      | 5860 South Wilton Place, Los Angeles, CA 90047           | 225                      | N/A                     | N/A                      | N/A   | N/A   | N/A  |
| 41 | Universal Waste Systems Inc. DTF          | 2460 East 24 <sup>th</sup> Street, Los Angeles, CA 90058 | 150                      | X                       | X                        |   |   |  |
| 42 | Van Nuys Street MDY                       | 15145 Oxnard Street, Van Nuys, CA 91411                  | 225                      | X                       | X                        |   |   |  |
| 43 | Waste Resource Recovery                   | 357 West Compton Boulevard, Gardena, CA 90247            | 500                      | N/A                     |                          | 13.57%  | ----  | ----   |
| 44 | Western District Satellite Yard           | 6000 West Jefferson Boulevard, Los Angeles, CA 90016     | 149                      | X                       | X                        |   |   |  |

- Notes:
1. Facilities listed are permitted by the CalRecycle as “Large Volume Transfer/Processing” or “Direct Transfer” Facilities with a permitted daily capacity or maximum average allowed intake of at least 100 tpd. If capacity is in cubic yards, a conversion factor is assumed as follows: 1200 lbs/cubic yard for Construction and Demolition/Processing facilities; and 900 lbs/cubic yard for Transfer and Processing facilities..
  2. Information on facility type and recycling rate is based on the survey conducted for facilities, the solid waste information system (SWIS), and the City of LA's certified processors list for Calendar year 2015 ([http://san.lacity.org/solid\\_resources/strategic\\_programs/ab939/compliance\\_fee.htm#WHP](http://san.lacity.org/solid_resources/strategic_programs/ab939/compliance_fee.htm#WHP)).
  3. Refer to pages 32-33 for the definitions of the following term(s): transfer/processing facilities; transfer stations; material recovery facilities; and CDI processing facilities.

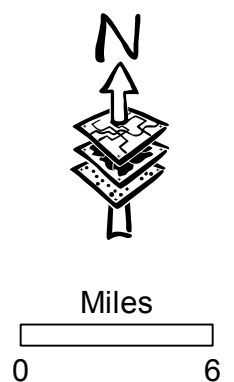
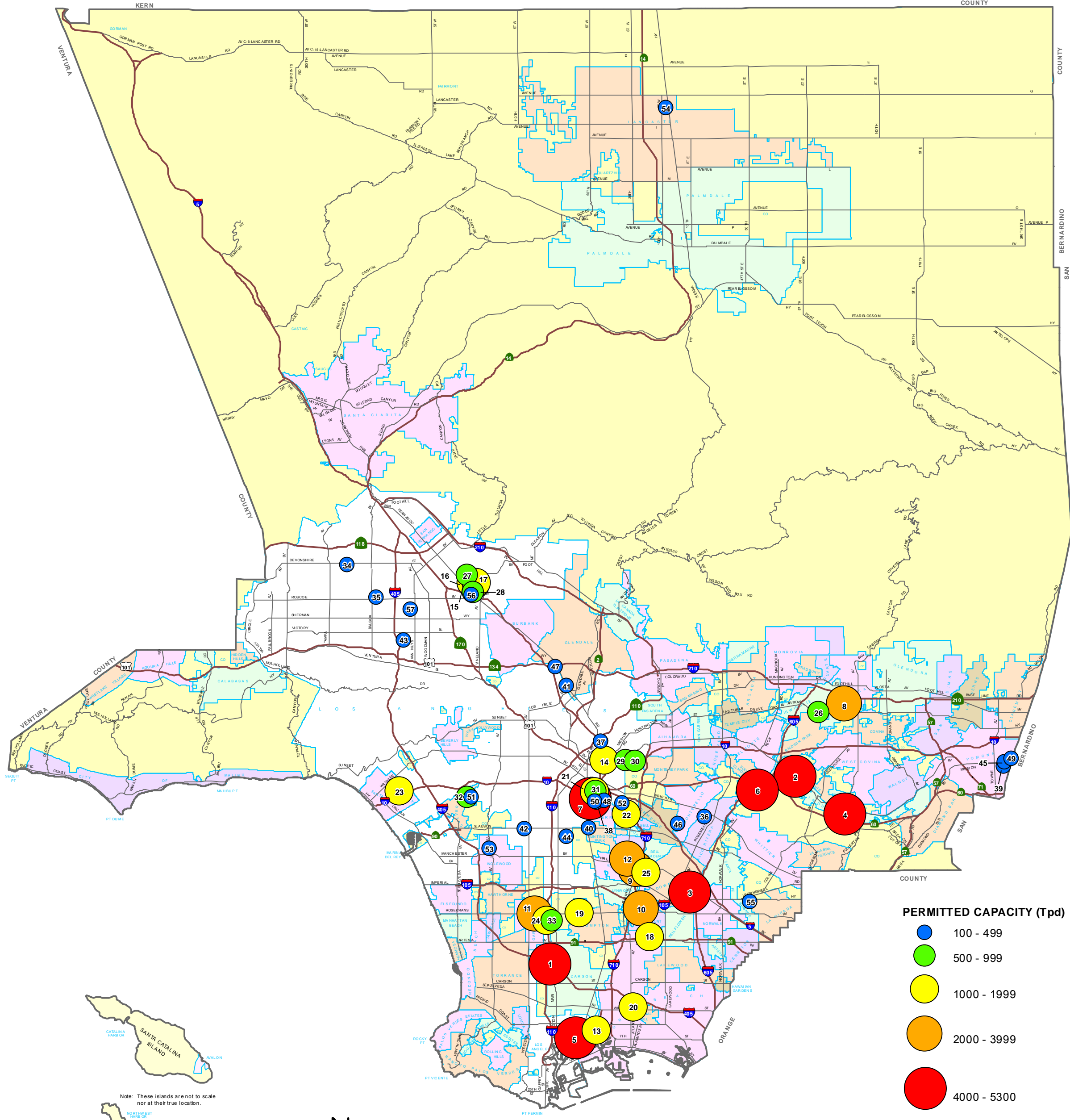
### Material Recovery Facilities (Clean)

|              | Facility Name   | Location Address                                  | Permitted Capacity (tpd) |
|--------------|---|---|--------------------------|
| 1            | Allan Company Baldwin Park                                | 14604-14618 Arrow Highway, Baldwin Park, CA 91706 | 750                      |
| 2            | Angelus Western Paper Fibers, Inc.                        | 2474 Porter Street, Los Angeles, CA 90021         | 650                      |
| 3            | Bradley East Transfer Station (Sun Valley Recycling Park) | 9227 Tujunga Avenue, Sun Valley, CA 91352         | 1,532                    |
| 4            | City Fibers – West Valley Plant                           | 16714 Schoenborn Street, Los Angeles, CA 91343    | 350                      |
| 5            | City Fibers - LA Plant No. 2                              | 2545 East 25th Street Los Angeles, CA 90058       | 300                      |
| 6            | City of Glendale MRF and TS                               | 540 W. Chevy Chase Dr. Glendale, CA 91204         | 250                      |
| 7            | Los Angeles Express Materials Rec. Fac.                   | 6625 Stanford Avenue, Los Angeles, CA 91001       | 207                      |
| 8            | Pico Rivera MRF   | 8405 Loch Lomond Drive, Pico Rivera, CA 90660     | 327                      |
| 9            | Potential Industries                                      | 922 East E. Street, Wilmington, CA 90744          | 5,000                    |
| 10           | SA Recycling LLC  | 8720 Tujunga Avenue, Sun Valley, CA 91352         | 100                      |
| 11           | Sun Valley Paper Stock MRF and TS                         | 8701 North San Fernando Road, Sun Valley, 91352   | 750                      |
| 12           | Waste Management South Gate Transfer Station              | 4489 Ardine Street, South Gate, 90280             | 2,000                    |
| 13           | West Valley Fibres  | 14811 Keswick Avenue, Van Nuys Ca 91405           | 100                      |
| <b>Total</b> |   |   | <b>12,316</b>            |

- Notes:
1. Facilities listed are permitted by CalRecycle with a minimum of 100 tpd of permitted capacity or maximum average allowed intake. If capacity is in cubic yards, a conversion factor is assumed as follows: 1200 lbs/cubic yard for Construction and Demolition/Processing facilities; and 900 lbs/cubic yard for Transfer and Processing facilities.
  2. Refer to page 33 for the definition of the following term(s): material recovery facility (clean).



# Large Volume Solid Waste Transfer and Processing Facilities in Los Angeles County in 2014



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

| NO. | FACILITY NAME AND ADDRESS  | PERMITTED CAPACITY (Tpd) |
|-----|--|--------------------------|
| 1   | Carson Transfer Station & Materials Recovery Facility<br>321 West Francisco Street, Carson, 90745                        | 5,300                    |
| 2   | Athens Services<br>14048 East Valley Boulevard, Industry, 91746  | 5,000 ◆                  |
| 3   | Downey Area Recycling & Transfer<br>9770 Washburn Road, Downey, 90241  | 5,000                    |
| 4   | Grand Central Recycling & Transfer Station<br>999 Hatcher Boulevard, Industry, 91748                                     | 5,000                    |
| 5   | Potential Industries<br>922 East E Street, Wilmington, 90744   | 5,000                    |
| 6   | Puente Hills Materials Recovery Facility<br>2808 Workman Mill Road, Whittier, 90601                                      | 4,400 ◆                  |
| 7   | Central LA Recycling & Transfer Station<br>2201 East Washington Boulevard, Los Angeles, 90034                            | 4,025                    |
| 8   | Azusa Transfer & Materials Recovery Facility<br>1501 West Gladstone Street, Azusa, 91701                                 | 3,800                    |
| 9   | Construction and Demolition Recycling<br>9309 Rayo Avenue, South Gate, 90280   | 3,000 ▲                  |
| 10  | Paramount Resource Recycling Facility<br>7230 Petterson Lane, Paramount, 90723   | 2,450                    |
| 11  | American Waste Transfer Station<br>1449 West Rosecrans Avenue, Gardena, 90249  | 2,225                    |
| 12  | Waste Management South Gate Transfer Station<br>4489 Ardine Street, South Gate, 90280                                    | 2,000                    |
| 13  | Falcon Refuse Center, Inc.<br>3031 East "I" Street, Wilmington, 90744  | 1,850                    |
| 14  | Mission Road Recycling & Transfer Station<br>840 South Mission Road, Los Angeles, 90023                                  | 1,785                    |
| 15  | Community Recycling & Resource Recovery, Inc.<br>9147 De Garmo Avenue, Sun Valley, 91352                                 | 1,700                    |
| 16  | Bradley East Transfer Station<br>9227 Tujunga Avenue, Sun Valley, 91352  | 1,532                    |
| 17  | Athens Sun Valley Materials Recovery Facility<br>11121 Pendleton Street, Sun Valley, 91352                               | 1,500 ▲                  |
| 18  | Bel-Art Waste Transfer Station<br>2501 East 68th Street, Long Beach, 90805   | 1,500                    |
| 19  | Compton Recycling & Transfer Station (Allied/BFI Waste Systems)<br>2509 West Rosecrans Avenue, Compton, 90059            | 1,500                    |
| 20  | EDCO Recycling and Transfer<br>2755 California Avenue, Signal Hill, 90755  | 1,500                    |
| 21  | Looney Bins/Downtown Diversion<br>2424 East Olympic Boulevard, Los Angeles, 90021  | 1,500                    |
| 22  | Innovative Waste Control<br>4133 Bandini Boulevard, Vernon, 90023  | 1,250                    |
| 23  | Southern Cal. Disposal Co. Recycling & Transfer Station<br>1908 Frank Street, Santa Monica, 90404                        | 1,056                    |
| 24  | California Waste Services, LLC<br>621 West 152nd Street, Gardena, 90247  | 1,000 ▲                  |
| 25  | South Gate Transfer Station<br>9530 South Garfield Avenue, South Gate, 90280   | 1,000                    |
| 26  | Allan Company Baldwin Park<br>14604-14618 Arrow Highway, Baldwin Park, 91706   | 750 ▲                    |
| 27  | Looney Bins/East Valley Diversion<br>11616 Sheldon Street, Sun Valley, 91352   | 750                      |
| 28  | Sun Valley Paper Stock Materials Recovery Facility & Transfer Station<br>8701 North San Fernando Road, Sun Valley, 91352 | 750                      |
| 29  | City Terrace Recycling Transfer Station<br>1511-1533 Fishburn Avenue, City Terrace, 90063                                | 700 ◆                    |
| 30  | East Los Angeles Recycling and Transfer<br>1512 North Bonnie Beach Place, City Terrace, 90063                            | 700 ◆                    |
| 31  | Angelus Western Paper Fibers, Inc.<br>2474 Porter Street, Los Angeles, 90021   | 650                      |
| 32  | Culver City Transfer/Recycling Station<br>9255 West Jefferson Boulevard, Culver City, 90232                              | 500                      |
| 33  | Waste Resource Recovery<br>357 West Compton Boulevard, Gardena, 90247  | 500 ◆                    |
| 34  | Granada Hills Street Maintenance District Yard<br>10210 Etiwanda Avenue, Northridge, 91325                               | 450                      |
| 35  | City Fibers - West Valley Plant<br>16714 Schoenborn Street, Los Angeles, 91343   | 350                      |
| 36  | Pico Rivera Materials Recovery Facility<br>8405 Loch Lomond Drive, Pico Rivera, 90660                                    | 327                      |
| 37  | East Street Maintenance District Yard<br>452 San Fernando Road, Los Angeles, 90065                                       | 315                      |
| 38  | City Fibers - LA Plant No. 2<br>2545 East 25th Street, Los Angeles, 90058  | 300                      |
| 39  | Mission Recycling/West Coast Recycling<br>1326 East Ninth Street, Pomona, 91766  | 300                      |
| 40  | Active Recycling MRF and Transfer Station<br>540 West Chevy Chase Drive, Glendale, 91204                                 | 250                      |
| 41  | City of Glendale MRF and Transfer Station<br>2000 W. Slauson Avenue, Los Angeles, 90047                                  | 250                      |
| 42  | Southwest Street Maintenance District Yard<br>5860 South Wilton Place, Los Angeles, 90047                                | 225                      |
| 43  | Van Nuys Street Maintenance District Yard<br>15145 Oxnard Street, Van Nuys, 91411  | 225                      |
| 44  | Los Angeles Express Materials Recovery Facility<br>6625 Stanford Avenue, Los Angeles, 91001                              | 207                      |
| 45  | Mission Recycling/West Coast Recycling<br>1341 East Mission Boulevard, Pomona, 91766                                     | 200                      |
| 46  | Commercial Waste Services, Inc.<br>1530 and 1540 Date Street, Montebello, 90640  | 175 ▲                    |
| 47  | American Reclamation CDI Processing Facility<br>4560 Doran Street, Los Angeles, 90039                                    | 174 ▲                    |
| 48  | Clean Up America<br>2900 Lugo Street, Los Angeles, 90023   | 174 ▲                    |
| 49  | Pomona Municipal Direct Transfer Facility<br>1730 East First Street, Pomona, 91769                                       | 150                      |
| 50  | Universal Waste Systems Inc. Direct Transfer Facility<br>2460 East 24th Street, Los Angeles, 90058                       | 150                      |
| 51  | Western District Satellite Yard<br>6000 West Jefferson Boulevard, Los Angeles, 90016                                     | 149                      |
| 52  | Direct Disposal C & D Recycling<br>3720 Noakes Street, Los Angeles, 90023  | 120 ▲                    |
| 53  | City of Inglewood Transfer Station<br>222 West Beach Avenue, Inglewood, 90302  | 100                      |
| 54  | City of Lancaster Maintenance Yard MVTs<br>46008 North 7th Street West, Lancaster, 93534                                 | 100                      |
| 55  | Norwalk Transfer Station<br>13780 East Imperial Highway, Santa Fe Springs, 90670   | 100                      |
| 56  | SA Recycling LLC<br>8720 Tujunga Avenue, Sun Valley, 91352   | 100                      |
| 57  | West Valley Fibers<br>14811 Keswick Avenue, Van Nuys, 91405  | 100                      |

## **Appendix E-5**

### **List and Map of Composting, Chipping and Grinding, and Anaerobic Digestion Facilities in Los Angeles County in 2014**

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Los Angeles County Countywide Integrated Waste Management Plan

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**2014 ANNUAL REPORT**  
**LOS ANGELES COUNTY COUNTYWIDE INTEGRATED WASTE MANAGEMENT PLAN**

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

**Composting/Chipping and Grinding Facilities**

|              | Facility Name                                   | Location Address   | Permitted Capacity (tpd) |
|--------------|---|--|--------------------------|
| 1            | American Reclamation Chipping and Grinding      | 4560 Doran Street, Los Angeles, 90039                                  | 499                      |
| 2            | Burbank Green Waste Transfer Operation          | 3000 Bel Aire Drive, Burbank, 91504                                    | 200                      |
| 3            | Evergreen Recycling, Inc.                       | 8700 Crocker St., Los Angeles, 90003                                   | 100                      |
| 4            | Falcon Woodwaste Grinding and Storage Operation | 3031 East "I" Street, Wilmington, 90744                                | 499                      |
| 5            | Foothill Soils, Inc.                            | 22925 N Coltrane Street, Newhall, 91350                                | 200                      |
| 6            | Greencycle, Inc.                                | 12815 E. Imperial Hwy., Santa Fe Springs, 90670                        | 135                      |
| 7            | GS Brothers, Inc.                               | 20331 South Main Street, Carson, 90745                                 | 100                      |
| 8            | GWS, Inc.                                       | 10120 Miller Avenue, South Gate, 90280                                 | 200                      |
| 9            | Harbor Mulching Facility                        | 1400 N Gaffey St., San Pedro, 90731                                    | 120                      |
| 10           | Lopez Canyon Environmental Center               | 11950 Lopez Canyon Road, Los Angeles, 91342                            | 833                      |
| 11           | North Hills Recycling, Inc.                     | 11700 Blucher Avenue, Granada Hills, 91345                             | 499                      |
| 12           | Norwalk Industries Green Waste Operation        | 13780 East Imperial Highway, Santa Fe Springs, 90670                   | 499                      |
| 13           | Oak Tree Worm Farm Chip & Grind (Compost)       | 13326 Little Tujunga Canyon , Canyon Country (Santa Clarita), CA 91342 | 200                      |
| 14           | Ornelas Wood Recovery, Inc.                     | 6635 West Avenue F, Lancaster, CA 93536                                | 100                      |
| 15           | Pomona Municipal Chipping & Grinding Operation  | 1730 E. First St., Pomona, 91766                                       | 100                      |
| 16           | Ralphs Renewable Energy Facility                | 2201 S. Wilmington Ave. , Compton, CA 90220                            | 150                      |
| 17           | Rent-A-Bin (Chipping and Grinding Operation)    | 20745 Santa Clara St., Santa Clarita, 91351                            | 199                      |
| 18           | RJ's Alondra Chipping and Grinding Operation    | 355 W Alondra Blvd., Gardena, 90248                                    | 200                      |
| 19           | RJ's Chipping and Grinding Operation            | 1135 East Florence Avenue, Inglewood, 90302                            | 200                      |
| 20           | Van Norman Chipping and Grinding Facility       | 15751 Rinaldi Street, Granada Hills, 91344                             | 499                      |
| <b>Total</b> |   |  | <b>5,532</b>             |

- Notes: 1. Facilities listed are permitted by CalRecycle with a minimum of 100 tpd of permitted capacity or maximum average allowed intake. If capacity is in cubic yards, a conversion factor is assumed as follows: 240 lbs/cubic yard for Composting/Chipping and Grinding facilities.  
2. Refer to page 33 for the definition of the following term(s): composting facilities; and chipping and grinding facilities.

**Anaerobic Digestion Facilities**

|              | Facility Name                               | Location Address                     | Permitted Capacity (tpd) |
|--------------|---|--------------------------------------|--------------------------|
| 1            | Joint Water Pollution Control Plant (JWPCP) | 24501 Figueroa Street, Carson, 90745 | 84                       |
| <b>Total</b> |   |                                      | <b>84</b>                |

- Notes: 1. The Joint Water Pollution Control Plant is currently operating as a pilot facility.  
2. Refer to page 33 for the definition of the following term(s): anaerobic digestion facilities.

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## **Appendix E-6**

### **List of Source Separated Recycling Facilities in Los Angeles County and Neighboring Counties in 2014**

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Los Angeles County Countywide Integrated Waste Management Plan

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### Los Angeles County Countywide Integrated Waste Management Plan

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

|    | Facility Name                                | Location Address                                       |
|----|--|--|
| 1  | 1st Free E-Waste Recycler - Los Angeles      | 2660 Olympic Blvd, Los Angeles, CA 90023               |
| 2  | 1st Free E-Waste Recycler - Walnut           | 749 South Lemon Ave, Walnut, CA 91789                  |
| 3  | 25th Street Recycling, Inc.                  | 2121 E. 25th St., Los Angeles, CA 90058                |
| 4  | 3R International Group                       | 2300 S. Reservoir Street. Unit 406, Pomona , CA 91766  |
| 5  | A & I Pallets                                | 9405 South Alameda, Los Angeles, CA 90002              |
| 6  | AAA South Bay Document Destruction           | 15001 S. San Pedro St., Gardena, CA 90248              |
| 7  | AES  | 707 K. South State College Blvd , Fullerton , CA 92831 |
| 8  | AMH Recycling                                | 11063 Pendleton St., Sun Valley, CA 91352              |
| 9  | ARC  | 5674 Cherry Ave, Long Beach , CA 90805                 |
| 10 | ARCA   | 1920 S. Acacia Ave., Compton, CA 90220                 |
| 11 | Ace Recycling & Scrap                        | 21252 Nordhoff St., Chatsworth, CA 91311               |
| 12 | Acrylatex Coating & Recycling, Inc           | 1000 W. Kirkwall Rd., Azusa, CA 91702                  |
| 13 | Action Sales & Metal Company                 | 1625 E. Pacific Coast Hwy, Wilmington, CA 90744        |
| 14 | Active Recycling - Los Angeles (Slauson Ave) | 2000 W. Slauson Ave., Los Angeles, CA 90047            |
| 15 | Active Recycling - Los Angeles (Valley Blvd) | 5601 E. Valley Blvd., Los Angeles, CA 90032            |
| 16 | Active Recycling - Van Nuys                  | 14300 Bessemer St., Van Nuys , CA 91401                |
| 17 | Advanced Battery Systems                     | 5649 Mesmer Ave., Culver City, CA 90230                |
| 18 | Alameda Metals                               | 37815 6th St. E. , Palmdale, CA 93550                  |
| 19 | Alameda Recycling & Metals                   | 1230 Alameda, Wilmington, CA 90744                     |
| 20 | Alex Plastics Recycling                      | 1011 Walnut Avenue, Pomona , CA 91766                  |
| 21 | All Green Electronics Recycling              | 15561 Del Amo Ave., Tustin , CA 92780                  |
| 22 | Allan Company - Baldwin Park (Main Office)   | 14620 Joanbridge St, Baldwin Park , CA 91706           |
| 23 | Allan Company - Commerce                     | 5811 E. 81st Street, Commerce, CA 90040                |

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### Los Angeles County Countywide Integrated Waste Management Plan

|    | Facility Name                         | Location Address                                |
|----|---------------------------------------|---|
| 24 | Allan Company - Los Angeles           | 1417 Wright St., Los Angeles, CA 90015          |
| 25 | Allan Company - Monrovia              | 145 W. Duarte Rd. , Monrovia, CA 91016          |
| 26 | Allan Company - Santa Ana             | 2540 S. Main St. , Santa Ana, CA 92707          |
| 27 | Allied Waste - Falcon                 | 3031 East I Street, Wilmington, CA 90744        |
| 28 | Alpert & Alpert Iron & Metal          | 1815 Soto St., Los Angeles, CA 90023            |
| 29 | Alpha Recycling                       | 13314 Satcoy St., North Hollywood, CA 91605     |
| 30 | Amazon Environmental, Inc.            | 779 Palmyrita Ave, Riverside, CA 92507          |
| 31 | Ambit Recycling (Ambit Pacific)       | 16228 S. Figueroa St, Gardena, CA 90248         |
| 32 | American Metal Recycling              | 11150 Redwood Ave, Fontana, CA 92337            |
| 33 | American National Recycling           | 2202 S. Milliken Ave., Ontario , CA 91761       |
| 34 | American Reclamation Inc              | 4650 Doran St, East LA , CA 90023 )             |
| 35 | American Soil                         | 4730 Tapo Canyon Rd, Simi Valley, CA 93063      |
| 36 | American Waste                        | 2550 S. Soto St. , Los Angeles, CA 90023        |
| 37 | Ammex Recycling Co.                   | 3315 E. Washington Blvd., Los Angeles, CA 90023 |
| 38 | Arcadia Reclamation                   | 12321 Lower Azusa Rd, Arcadia, CA 91006         |
| 39 | Architectural Detail                  | 2602 Foothill Blvd, Pasadena, CA 91107          |
| 40 | Arnie's Supply Service                | 1541 N. Ditman St., Los Angeles, CA 90063       |
| 41 | Artesia Sawdust                       | 13434 Ontario Ave., Ontario , CA 91761          |
| 42 | Asco Metals                           | 13014 Los Nietos Rd, Santa Fe Springs, CA 90670 |
| 43 | Associated Students Recycling - CSULB | 5800 Atherton St., Long Beach , CA 90840        |
| 44 | Atlas Iron & Metal Co.                | 10019 S. Alameda St., Los Angeles, CA 90002     |
| 45 | Azusa Land Reclamation                | 1211 West Gladstone Street, Azusa, CA 91702     |
| 46 | Azusa Transfer and MRF                | 1501 W. Gladstone, Azusa, CA 91701              |
| 47 | B & B Pallet                          | 439 E. Carlin St., Compton, CA 90222            |

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|    | <b>Facility Name</b>                      | <b>Location Address</b>                           |
|----|---|---|
| 48 | BCS, Inc.                                 | 8735 Remmet Ave. , Canoga Park , CA 91304         |
| 49 | Baker Commodities                         | 4020 Bandini Blvd., Vernon, CA 90058              |
| 50 | Bas Tire Recycling                        | 14050 Day St, Moreno Valley, CA 92553             |
| 51 | Basic Fibers, Inc.                        | 6019 S. Manhattan Pl, Los Angeles, CA 90047       |
| 52 | Bata USA                                  | P.O. Box 1855, Walnut, CA 91788                   |
| 53 | Behavior Resources, Inc.                  | 155 Pier Ave #B, Hermosa Beach, CA 90254          |
| 54 | Bell Flower Recycling Center              | 17326 Woodruff Ave., Bellflower, CA 90706         |
| 55 | Belmont Fibers                            | 1736 Chapin Rd., Montebello, CA 90640             |
| 56 | Benny's Oil Filter Recycling              | 6040 Walker Ave., Maywood, CA 90270               |
| 57 | Bestway Recycling                         | 2268 Firestone Blvd., Los Angeles, CA 90002       |
| 58 | Bike Oven                                 | 3706 N. Figueroa St., Los Angeles, CA 90065       |
| 59 | Brymax, Inc.                              | 1802 Portrero Ave., South El Monte, CA 91733      |
| 60 | Burbank Recycling Center                  | 500 S. Flower St., Burbank, CA 91502              |
| 61 | C & M Metals, Inc.                        | 1709 E. 24th St., Los Angeles, CA 90058           |
| 62 | CNS Metals                                | 6850 Farmdale Ave., North Hollywood, CA 91605     |
| 63 | CR & R, Inc.                              | 11292 Western Ave., Stanton, CA 90680             |
| 64 | CRM                                       | 15800 S. Avalon Blvd., Rancho Dominguez, CA 90220 |
| 65 | CVT Recycling                             | 1071 N. Blue Gum St, Anaheim , CA 92815           |
| 66 | Cal Micro Recycling                       | 1541 W. Brooks Street, Ontario, CA 91762          |
| 67 | California Metals Recycling – Gardena     | 833 W. 182nd St., Gardena, CA 90248               |
| 68 | California Metals Recycling - Harbor City | 1022 Lomita Blvd., Harbor City , CA 90710         |
| 69 | California Metals Recycling - South Gate  | 9309 Rayo Ave., South Gate, CA 90280              |
| 70 | California Recycles                       | 1932 Cotner Ave., Los Angeles, CA 90025           |
| 71 | Canco Recycling                           | 2725 E. South St., Long Beach, CA 90805           |

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|    | Facility Name                                   | Location Address                                  |
|----|---|---|
| 72 | Carpeteria                                      | 42212 10th St. West, Unit 2A, Lancaster, CA 93534 |
| 73 | Central Metal, Inc. - Huntington Park           | ( 8201 Santa Fe Ave., Huntington Park, CA 90255   |
| 74 | Central Metal, Inc. - Los Angeles               | 2203 S. Alameda St., Los Angeles, CA 90058        |
| 75 | Central Reclamation                             | 2930 E. Pico Blvd., Los Angeles, CA 90023         |
| 76 | Century Pallets                                 | 2911 Norton Ave., Lynwood, CA 90262               |
| 77 | Certified Document Destruction                  | 555 S. Rose St., Anaheim, CA 92805                |
| 78 | Chiquita Canyon Landfill                        | 29201 Henry Mayo Dr., Castaic, CA 91384           |
| 79 | City Terrace Recycling, LLC                     | 1525 Fishburn Avenue, Los Angeles, CA 90065       |
| 80 | Clean Harbor Environmental Svcs, Inc.           | 5756 Alba St., Los Angeles, CA 90058              |
| 81 | Clean Up America                                | 2900 E. Lugo St. , Los Angeles, CA 90023          |
| 82 | Co-West Commodities                             | 1389 W. Mill St., San Bernardino, CA 92410        |
| 83 | Coast Packing Co.                               | 3275 E. Vernon Ave., Vernon, CA 90058             |
| 84 | Coastal Inkjets, E-Waste Recovery               | 10021 1/2 Canoga Ave., Chatsworth, CA 91311       |
| 85 | Commodities Resources                           | 116 E. Prospect Ave., Burbank, CA 91502           |
| 86 | Community Action Partnership                    | 11870 Monarch St, Garden Grove, CA 92841          |
| 87 | Community Recycling / Resource Recovery, Inc.   | 9147 De Garmo Ave, Sun Valley, CA 91352           |
| 88 | Conservation Station                            | 20833 Santa Clara St., Santa Clarita, CA 91351    |
| 89 | Corridor Recycling                              | 22500 S. Alameda St., Long Beach, CA 90810        |
| 90 | D & T Recycling                                 | 14113 Garfield Ave, Paramount , CA 90723          |
| 91 | DFS Flooring                                    | 15651 Saticoy St., Van Nuys, CA 91406             |
| 92 | Dalton Recycling                                | 555 S. Rose St., Anaheim, CA 92805                |
| 93 | Dan Copp Crushing/Copp Materials - Anaheim      | 1120 N. Richfield Rd., Anaheim, CA 92807          |
| 94 | Dan Copp Crushing/Copp Materials - Anaheim West | 201 E. Commercial St., Anaheim, CA 92801          |
| 95 | Dan Copp Crushing/Copp Materials - Beaumont     | 861 W. 4th St., Beaumont, CA N/A                  |

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|     | Facility Name                                      | Location Address                                       |
|-----|--|--|
| 96  | Dan Copp Crushing/Copp Materials - Chino           | 11901 Highway 71, Chino, CA 91761                      |
| 97  | Dan Copp Crushing/Copp Materials - Colton          | 1120 S. La Cadena, Colton, CA 92324                    |
| 98  | Dan Copp Crushing/Copp Materials - El Segundo      | 332 S. Aviation Blvd., El Segundo , CA 90245           |
| 99  | Dan Copp Crushing/Copp Materials - Fontana         | 13792 Slover Ave., Fontana, CA 92337                   |
| 100 | Dan Copp Crushing/Copp Materials - Santa Fe Spring | 12017 Greenstone Ave., Santa Fe Springs , CA 90670     |
| 101 | Dan Copp Crushing/Copp Materials - Sun City        | 27050 Watson Rd, Sun City, CA 92585                    |
| 102 | Danhew Enterprises                                 | 22108 S. Vermont Ave., Torrance, CA 90502              |
| 103 | Darling International, Inc.                        | 2626 E. 25th St., Los Angeles, CA 90058                |
| 104 | Donate Car USA                                     | 66 S. Primrose Avenue, Monrovia, CA 91106              |
| 105 | Downey Area Recycling and Transfer Facility        | 9770 Washburn Rd., Downey, CA 90241                    |
| 106 | Downtown Diversion                                 | 2424 E. Olympic Blvd, Los Angeles, CA 90021            |
| 107 | Downtown Metals & Recycling Center                 | 526 S. Alameda St., Los Angeles, CA 90013              |
| 108 | E-Cycle Environmental                              | 2110 Artesia Blvd. Suite 445, Redondo Beach , CA 90728 |
| 109 | E-Recycling of California                          | 7230 Peterson Lane, Paramount, CA 90723                |
| 110 | E-Waste Center, Inc.                               | 5788 Smithway Street, Commerce, CA 90040               |
| 111 | E-Waste Disposal, Inc.                             | 2518 W. 5th St., Santa Ana, CA 92705                   |
| 112 | ECS Refining                                       | 705 Reed St., Santa Clara, CA 90550                    |
| 113 | ELV  | 1233 W. 255th St., Harbor City, CA 90710               |
| 114 | Earthshine (Atkinson)                              | 13633 S. Central Ave., Los Angeles , CA 90059          |
| 115 | East Valley Recycling & Transfer                   | 1150 S. Tippecanoe Ave., San Bernardino, CA 92408      |
| 116 | Ecology Auto Parts Inc. Sante Fe Springs           | 13780 E. Imperial Hwy, Santa Fe Springs, CA 90670      |
| 117 | Ecology Auto Parts Inc. Wilmington                 | 1000 E. Lomita Blvd., Wilmington, CA 90744             |
| 118 | Ecoplast - Los Angeles                             | 815 E. 61st St., Los Angeles , CA 90001                |
| 119 | Ecoplast – Pomona                                  | 1769 Mt. Vernon Ave., Pomona, CA 91768                 |

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|     | <b>Facility Name</b>              | <b>Location Address</b>                        |
|-----|-----------------------------------|--|
| 120 | Edgewise                          | 602 N. Cyprus Street, Orange, CA 92867         |
| 121 | Ekco Metals                       | 2777 E. Washington Blvd, Los Angeles, CA 90023 |
| 122 | Electronics Recycle Center        | 1395 E. Lexington Ave. #100, Pomona, CA 91766  |
| 123 | Evolution Recycling               | 3535 E. 14th St., Los Angeles, CA 90023        |
| 124 | Excellent Recycling & Scrap Metal | 21252 Nordhoff St., Chatsworth, CA 91311       |
| 125 | Express Metal Recycling           | 12207 Branford St., Sun Valley, CA 91352       |
| 126 | F.S. Southwest Woodworks Co.      | 140 E. 163rd St., Gardena, CA 90248            |
| 127 | Fairway Salvage                   | 12428 Center St., South Gate, CA 90280         |
| 128 | Foodbank Of Southern California   | 1444 San Francisco Ave., Long Beach , CA 90813 |
| 129 | Foothill Unity Center – Monrovia  | 415 W. Chestnut Ave., Monrovia, CA 91016       |
| 130 | Foothill Unity Center – Pasadena  | 191 N. Oak Ave., Pasadena, CA 91006            |
| 131 | Freeway Building Materials        | 1124 S. Boyle Ave., Los Angeles, CA 90023      |
| 132 | Full Circle Recycling             | 1920 Randolph St., Huntington Park, CA 90255   |
| 133 | G. Harris International, Inc.     | 1025 MacFarland Ave., Wilmington, CA 90748     |
| 134 | Gang Alternative Program          | 805 Traction Avenue, Los Angeles, CA 90013     |
| 135 | Gardena Recycling Center          | 1538 W. 134th St, Gardena , CA 90249           |
| 136 | General Waste Disposal            | 10717 Inez Avenue, Whittier, CA 90605          |
| 137 | Gold Coast Recycling              | 5275 Colt Street, Ventura, CA 93003            |
| 138 | Gold'N West Surplus               | 1121 California Ave, Riverside, CA 92881       |
| 139 | Golden State Fibers               | 5585 E 61st Street, Commerce, CA 90040         |
| 140 | Good Earth Recycling Center       | 2005 Bixby Rd., Lakewood, CA 90712             |
| 141 | Grande Vista Steel                | 4611 Cecelia St., Cudahy, CA 90201             |
| 142 | Green Spot Drop Off – Bellflower  | 17701 Ibbetson Avenue, Bellflower, CA 90706    |
| 143 | Green Spot Drop Off – Glendale    | 4427 San Fernando Road, Glendale, CA 91204     |

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|     | <b>Facility Name</b>                                | <b>Location Address</b>                                 |
|-----|---|---|
| 144 | Green Spot Drop Off - Long Beach                    | 6655 Atlantic Ave., Long Beach, CA 90805                |
| 145 | Green Spot Drop Off - Los Angeles (Federal Ave)     | 2300 Federal Avenue, Los Angeles, CA 90064              |
| 146 | Green Spot Drop Off - Los Angeles (San Fernando Rd) | 2840 N. San Fernando Road, Los Angeles, CA 90065        |
| 147 | Green Spot Drop Off - Mission Hills                 | 15237 South Brand Boulevard, Mission Hills, CA 91345    |
| 148 | Green Spot Drop Off – Palmdale                      | 37909 10th St. East, Palmdale , CA 93550                |
| 149 | Green Spot Drop Off - Pasadena                      | 686 S. Arroyo Parkway, Pasadena, CA 91105               |
| 150 | Green Spot Drop Off - Santa Clarita                 | 26825 Oak Avenue, Santa Clarita , CA 91351              |
| 151 | Green Spot Drop Off – Walnut                        | 3859 Valley Blvd., Walnut , CA 91789                    |
| 152 | Green Wise Soil Technologies                        | 10120 Miller Way, South Gate, CA 90280                  |
| 153 | Greencycle  | 12815 East Imperial Highway, Santa Fe Springs, CA 90670 |
| 154 | H & J Recycling Center                              | 303 S. Pacific Ave., San Pedro, CA 90731                |
| 155 | Habitat For Humanity - Greater Los Angeles          | 17700 S. Figueroa St., Gardena, CA 90248                |
| 156 | Habitat For Humanity - Pomona Valley                | 4609 Holt Blvd, Montclair, CA 91763                     |
| 157 | Habitat For Humanity - San Gabriel Valley           | 770 N. Fair Oaks Ave., Pasadena, CA 91103               |
| 158 | Hanson Aggregates - North Long Beach                | 6956 Cherry Ave, North Long Beach, CA 90805             |
| 159 | Hanson Aggregates – Orange                          | 6145 E. Santiago Canyon, Orange, CA 92869               |
| 160 | Hanson Aggregates - South Gate                      | 5625 Southern Ave, South Gate , CA 90280                |
| 161 | Hanson Aggregates - South Long Beach                | 2850 California Ave., South Long Beach, CA 90805        |
| 162 | Hi-Waste Disposal                                   | 11718 Arkansas St., Artesia, CA 90701                   |
| 163 | Hope For Homeless Youth                             | 2406 Kent Street, Los Angeles, CA 90026                 |
| 164 | Hope Services                                       | 14770 E. Firestone Blvd. Suite 202, La Mirada, CA 90638 |
| 165 | Hyran International Group                           | 7000 E. Slauson, Commerce, CA 90040                     |
| 166 | Ideal Metal & Salvage Co.                           | 18700 S. Broadway, Gardena, CA 90248                    |
| 167 | Imperial Western Products                           | 4085 Bain Street, Mira Loma, CA 91752                   |

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|     | <b>Facility Name</b>                    | <b>Location Address</b>                         |
|-----|---|---|
| 168 | International Recycling                 | 12851 Alondra Blvd., Norwalk, CA 90650          |
| 169 | JP Paper Shredders                      | 428 W. Chestnut Ave., Monrovia, CA 91016        |
| 170 | JP Rebon Wholesalers                    | 1301 Hancock St. Unit C, Anaheim, CA 92807      |
| 171 | Jack Engle & Co.                        | 8440 S. Alameda St., Los Angeles, CA 90001      |
| 172 | Jefferson Recycling Center              | 5717 W. Jefferson Blvd., Los Angeles , CA 90016 |
| 173 | Joe's Plastics, Inc.                    | 5725 District Blvd., Los Angeles , CA 90040     |
| 174 | Jos Levin & Sons                        | 2863 E. Slauson Ave, Huntington Park, CA 90255  |
| 175 | Joy & G International, Inc.             | 1516 Highland Ave, Duarte , CA 91010            |
| 176 | Julie's Trade Company                   | 909 E. Slauson Ave., Los Angeles , CA 90001     |
| 177 | Justice Cuts                            | 5190 Wilson St., Riverside, CA 92509            |
| 178 | Kay-Met Recycling                       | 926 S. Nogales St., Rowland Heights, CA 91748   |
| 179 | Kenco Paper Recycling                   | 13314 Saticoy St., North Hollywood, CA 91606    |
| 180 | Kinsbursky Brothers                     | 1314 N. Anaheim Blvd., Anaheim, CA 92801        |
| 181 | Korrekt Imaging                         | 6119 Cedar Mountain Dr., Alta Loma, CA 91737    |
| 182 | Kramar's Iron & Metal, Inc.             | 8821 San Fernando Rd., Sun Valley , CA 91352    |
| 183 | Kramer Metals - Ferrous Metals Division | 2863 E. Slauson Ave., Los Angeles, CA 90001     |
| 184 | L & R Wood Pallets                      | 1530 Bonnie Beach Pl., Los Angeles, CA 90023    |
| 185 | La Canada Recycling, Inc.               | 6449 San Fernando Rd., Glendale , CA 91201      |
| 186 | La Records                              | 16201 Stagg Street, Van Nuys, CA 91406          |
| 187 | Lakin Tire Co. Of California, Inc.      | 15305 Spring Ave., Santa Fe Springs, CA 90670   |
| 188 | Lancaster Recycling                     | 45565 Division St., Lancaster, CA 93535         |
| 189 | Laser Cartridge Exchange                | 545 W. Allen Ave. Suite 29, San Dimas, CA 91773 |
| 190 | Lighting Resources, Inc.                | 805 E. Francis St., Ontario, CA 91761           |
| 191 | Lima Recycling Center - La Puente       | 16023 Old Valley Blvd, La Puente , CA 91744     |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                 | <b>Location Address</b>                          |
|-----|--------------------------------------|--|
| 192 | Los Angeles Conservation Corps       | 2824 S. Main St., Los Angeles, CA 90007          |
| 193 | Los Angeles Fiber Company            | 5190 S. Santa Fe Ave., Vernon , CA 90058         |
| 194 | Los Angeles Pumping Co., LLC         | P.O. Box 921393, Sylmar , CA 91392               |
| 195 | Los Angeles Regional Foodbank        | 1734 E. 41st St., Los Angeles, CA 90058          |
| 196 | Lu-Mar Metals Company                | 2120 N. Alameda St., Compton, CA 90222           |
| 197 | Lumary's Tire Service                | 600 S. Santa Fe Ave., Los Angeles , CA 90021     |
| 198 | Madison Materials                    | 1035 E. 4th St., Santa Ana , CA 92701            |
| 199 | Market Recycling, Inc.               | 2725 E.S. St., Long Beach, CA 90805              |
| 200 | Mars Environmental                   | P.O. Box 18029, Anaheim , CA 92817               |
| 201 | Max Scrap Metals                     | 21608 Nordhoff St., Chatsworth, CA 91311         |
| 202 | Mercury Disposal System, Inc.        | 2650 Walnut Avenue Unit D, Tustin, CA 92867      |
| 203 | Metropolitan Recycling Corporation   | 2601 S. Mount Vernon Ave, Bakersfield, CA 93306  |
| 204 | Monrovia Recycling Center            | 145 W. Duarte Rd, Monrovia , CA 91016            |
| 205 | Multi-Link International Corporation | 12235 Los Nietos Rd., Santa Fe Springs, CA 90670 |
| 206 | NASA Disposal                        | P.O. Box 1755, Montebello, CA 90640              |
| 207 | Neuwaste Business Recycling          | 4721 E. Washington Blvd., Commerce , CA 90040    |
| 208 | New Generation Empowerment Group     | P.O. Box 1331, Culver City, CA 90232             |
| 209 | New Green Day LLC                    | 1710 East 111th Street, Los Angeles, CA 90059    |
| 210 | New Horizon Salvage                  | 11565 Branford St., Sun Valley , CA 91352        |
| 211 | Newhall Junk & Salvage               | 12011 Branford St., Sun Valley, CA 91352         |
| 212 | Newman & Sons, Inc.                  | 9005 Bradley Ave., Sun Valley, CA 91352          |
| 213 | Nick's Tire Service                  | 3152 Bandini Blvd., Vernon, CA 90023             |
| 214 | North Valley Construction            | 23802 Pine Street, Newhall, CA 91321             |
| 215 | Nu Way                               | 1270 Arrow Hwy, Irwindale, CA 91706              |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                                | <b>Location Address</b>                              |
|-----|---|--|
| 216 | Number One Recycling                                | 12051 Branford St., Sun Valley, CA 91352             |
| 217 | OSS-Spectrum, Inc.                                  | 7125 Foothill Blvd., Tujunga, CA 91042               |
| 218 | Ocean Blue Environmental Services                   | 925 West Esther Street, Long Beach, CA 90813         |
| 219 | Old Pasadena Vintage Lighting                       | 2569 E. Colorado Blvd., Pasadena, CA 91107           |
| 220 | One Stop Landscape Supply Co.                       | 13024 San Timoteo Canyon Rd., Redlands , CA 92373    |
| 221 | Out Of The Closet - Atwater Village Thrift Store    | 3160 Glendale Blvd., Glendale , CA 90039             |
| 222 | Out Of The Closet - Canoga Park Thrift Store        | 21703 Sherman Way, Canoga Park , CA 91303            |
| 223 | Out Of The Closet - Fairfax Thrift Store            | 360 N. Fairfax Ave., Los Angeles, CA 90036           |
| 224 | Out Of The Closet - Glassell Park Thrift Superstore | 2425 N. San Fernando Rd., Los Angeles , CA 90065     |
| 225 | Out Of The Closet - Hollywood Thrift Store          | 6210 Sunset Blvd., Los Angeles, CA 90028             |
| 226 | Out Of The Closet - Long Beach Thrift Store         | 3500 E. Pacific Coast Hwy, Long Beach , CA 90804     |
| 227 | Out Of The Closet - Pasadena Thrift Store           | 1726 E. Colorado Blvd., Pasadena, CA 91106           |
| 228 | Out Of The Closet - South Pasadena Thrift Store     | 1136 Fair Oaks Ave., South Pasadena, CA 91030        |
| 229 | Out Of The Closet - Tarzana Thrift Store            | 18851 Ventura Blvd., Tarzana, CA 91356               |
| 230 | Out Of The Closet - Venice Thrift Store             | 214 Lincoln Blvd., Venice, CA 90291                  |
| 231 | Out Of The Closet - Westside Thrift Store           | 10749 Pico Blvd., Los Angeles, CA 90064              |
| 232 | P & T Metals  | 2213 Tyler Ave., South El Monte, CA 91733            |
| 233 | P.W. Gillibrand                                     | 5810 Bennett Road, Simi Valley, CA 93062             |
| 234 | PC Recycle  | 2580 Azurite Circle, Newbury Park, CA 91320          |
| 235 | Pacific / West Recycling Services, Inc.             | P.O. Box 3369, Manhattan Beach, CA 90266             |
| 236 | Pacific Coast Recycling - El Monte                  | 12301 E. Valley Blvd., El Monte, CA 91732            |
| 237 | Pacific Coast Recycling - South Gate                | 12428 Center Street, South Gate, CA 90280            |
| 238 | Palmdale Recycling Center                           | 38022 Sierra Hwy, Palmdale, CA 93550                 |
| 239 | Palos Verdes Recycling Center                       | 26301 Crenshaw Blvd., Palos Verdes Estates, CA 90274 |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                                 | <b>Location Address</b>                             |
|-----|--|---|
| 240 | Pan Pacific Fibers, Inc.                             | 14051 Marquardt Ave., Santa Fe Springs, CA 90670    |
| 241 | Paramount Resource Recycling                         | 7230 Petterson Lane, Paramount, CA 90723            |
| 242 | Peach Hill Nursery                                   | 10765 Los Angeles Ave, Moorpark, CA 93021           |
| 243 | Peck Road Gravel Pit                                 | 128 E. Live Oak Ave, Irwindale, CA 91706            |
| 244 | Pedro Ruiz Recycling                                 | 3984 Whittier Blvd., Los Angeles , CA 90023         |
| 245 | Performance Nursery                                  | 12777 Tierra Rejada Rd, Moorpark, CA 93021          |
| 246 | Phonesells Computer Warehouse                        | 702 West 139th St., Gardena, CA 90247               |
| 247 | Pico Rivera Pallet                                   | 240 E. Congress St., Colton , CA 92324              |
| 248 | Planet Green, Inc.                                   | ( 20724 Lassen St., Chatsworth, CA 91311            |
| 249 | Poly Pac   | 4172 Bandini Blvd, VERNON, CA 90023                 |
| 250 | Pomona Scrap Metal Company                           | 1432 E. 1st St., Pomona, CA 91766                   |
| 251 | Potential Industries                                 | 922 E. St., Wilmington, CA 90744                    |
| 252 | Powerstride Battery Company, Inc. – Hawthorne        | 4700 W. Rosecrans, Hawthorne , CA 90250             |
| 253 | Powerstride Battery Company, Inc. - Santa Fe Springs | 10532 Norwalk Blvd., Santa Fe Springs, CA 90670     |
| 254 | Productivity California                              | 10533 Sessler St., South Gate, CA 90280             |
| 255 | Puente Hills Landfill                                | 2800 Workman Mill Rd, Whittier, CA 90601            |
| 256 | Puente Hills Materials Recovery Facility             | 2800 Workman Mill Rd., Whittier, CA 90601           |
| 257 | RC Pallets   | 11500 Wright Rd., Lynwood, CA 90262                 |
| 258 | RTC (Recycle To Conserve)                            | 9112 Graham Ave, Los Angeles , CA 90002             |
| 259 | Reclaimed Aggregates, Inc.                           | 2110 W. Aguamansa Rd., Colton, CA 92324             |
| 260 | Recycle America                                      | 8405 Loch Lomond Dr, Pico Rivera, CA 90660          |
| 261 | Recycle America Alliance                             | 701 E. Florence Ave., Los Angeles, CA 90001         |
| 262 | Recycle4Charity.Com                                  | 24911 Avenue Stanford, Ste. 120, Valencia, CA 91355 |
| 263 | Recycled Waste Products, Inc.                        | 8834 Millergrove Dr., Santa Fe Springs, CA 90670    |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                        | <b>Location Address</b>                           |
|-----|---|---|
| 264 | Recycled Wood Products                      | 1313 East Phillips Boulevard, Pomona, CA 91766    |
| 265 | Recycling Resources                         | 1406 W. 2nd St., Pomona, CA 91766                 |
| 266 | Rent A Bin                                  | PO Box 4463, Chatsworth, CA 91311                 |
| 267 | Resource Conservation Group, LLC            | 8981 Sunset Blvd., Los Angeles, CA 90069          |
| 268 | Revival Wear, Inc.                          | 6515 McKinley Ave., Los Angeles , CA 90001        |
| 269 | RockTenn Recycling                          | 20502 Denker Ave., Torrance, CA 90501             |
| 270 | SA Recycling – Anaheim                      | 3200 E. Frontera, Anaheim, CA 92806               |
| 271 | SA Recycling – Colton                       | 790 E. M St., Colton, CA 92324                    |
| 272 | SA Recycling - East Los Angeles             | 2728 Long Beach Ave., East Los Angeles , CA 90058 |
| 273 | SA Recycling – Fontana                      | 15615 Arrow Blvd, Fontana, CA 92335               |
| 274 | SA Recycling – Irwindale                    | 2495 Buena Vista St., Irwindale, CA 91706         |
| 275 | SA Recycling - Los Angeles                  | 2104 E. 15th St., Los Angeles, CA 90021           |
| 276 | SA Recycling – Lynwood                      | 10313 S. Alameda St., Lynwood , CA 90002          |
| 277 | SA Recycling – Montebello                   | 1545 Gage Road, Montebello, CA 90640              |
| 278 | SA Recycling - Sun Valley (San Fernando Rd) | 9754 San Fernando Rd., Sun Valley , CA 91352      |
| 279 | SA Recycling - Sun Valley (Tujunga Ave)     | 8250 Tujunga Ave., Sun Valley , CA 91352          |
| 280 | SA Recycling - Terminal Island              | 901 Newdock St., Terminal Island, CA 90731        |
| 281 | SD Pacific, Inc.                            | 11-B Marconi, Irvine , CA 92618                   |
| 282 | Safeshred Co., Inc.                         | 5928 S. Malt Ave., Commerce, CA 90040             |
| 283 | Safety Kleen                                | 2918 Worthen Ave., Los Angeles, CA 90039          |
| 284 | Samiyatex                                   | 13003 South Figueroa St., Los Angeles, CA 90061   |
| 285 | San Fernando Valley Pallet Company          | 20730 Dearborn, Chatsworth , CA 91311             |
| 286 | Santa Fe Wrecking & Salvage                 | 1600 S. Santa Fe Ave., Los Angeles, CA 90021      |
| 287 | Scholl Canyon Landfill                      | 7721 N. Figueroa Street, Los Angeles, CA 90041    |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                      | <b>Location Address</b>                             |
|-----|---|---|
| 288 | Second Harvest Foodbank Of Orange         | 8014 Marine Way, Irvine , CA 92618                  |
| 289 | Second Harvest Foodbank Of Riverside & SB | 2950-B Jefferson St., Riverside , CA 92504          |
| 290 | Secondary Fibers                          | 6490-4 Stoney View Ln., Simi Valley , CA 93063      |
| 291 | Shred-It California, Inc.                 | 11821 Wakeman St., Santa Fe Springs, CA 90670       |
| 292 | Simi Valley Base                          | 240 W. Los Angeles Ave., Simi Valley, CA 93065      |
| 293 | Simi Valley Recycling Center              | 400 West Los Angeles Ave, Simi Valley, CA 93065     |
| 294 | Sims Recycling Solutions                  | 20212 S. Rancho Way, Rancho Dominguez, CA 90220     |
| 295 | Sirius Computer Associates                | 15561 Product Lane, D15, Huntington Beach, CA 92649 |
| 296 | Skanska USA Civil West CA District, Inc.  | 27950 Sierra Del Sol, Thousand Palms , CA 92276     |
| 297 | Sonoco Products Company                   | 166 Baldwin Park Blvd, City of Industry, CA 91746   |
| 298 | South Bay Recycling                       | 15001 S. San Pedro St., Gardena , CA 90248          |
| 299 | South Coast Fibers                        | 4560 Doran St., Los Angeles , CA 90039              |
| 300 | South Coast Recycling Metal               | 5487 San Fernando Rd. W., Los Angeles , CA 90039    |
| 301 | Southwest Processors, Inc.                | 4120 Bandini Blvd., Vernon, CA 90023                |
| 302 | Square Deal Plumbing & Heating Supplies   | 2302 E. Florence Ave, Huntington Park , CA 90255    |
| 303 | Standard Feed                             | 13751 S. Haven Ave., Ontario, CA 91761              |
| 304 | Standard Metals Recycling                 | 2032 E. 220th St., Long Beach, CA 90810             |
| 305 | Star Scrap Metal Co., Inc.                | 14334 Firestone Blvd., La Mirada, CA 90638          |
| 306 | Stop Scrap Metals                         | 20749 Prairie St., Chatsworth, CA 91311             |
| 307 | Storopack                                 | 12007 S. Woodruff Ave., Downey, CA 90241            |
| 308 | Strategic Alliance                        | 3211 E. 26th St., Vernon , CA 90023                 |
| 309 | Summit Pulp & Paper – Compton             | 1601 S. Anderson Ave., Compton, CA 90220            |
| 310 | Summit Pulp & Paper - Los Angeles         | 2016 E. Bay St., Los Angeles, CA 90021              |
| 311 | Summit Pulp & Paper – Riverside           | 1575 Marlboro Ave., Riverside, CA 92507             |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                 | <b>Location Address</b>                               |
|-----|--------------------------------------|---|
| 312 | Sun Valley Paper Stock               | 8701 San Fernando Rd., Sun Valley, CA 91352           |
| 313 | Sun-Lite Metals                      | 2210 E. 85th Street, Los Angeles, CA 90001            |
| 314 | Sunshine Canyon City/County Landfill | 14747 San Fernando Rd., Sylmar, CA 91342              |
| 315 | TSM Recovering & Recycling           | 3422 W. Pico Blvd., Los Angeles, CA 90019             |
| 316 | TW Electronics Recycling             | 1612 N Indiana St., Los Angeles, CA 90063             |
| 317 | Talco Plastics – Corona              | 1000 W. Rincon St., Corona , CA 92880                 |
| 318 | Talco Plastics - Long Beach          | 3270 E. 70th St, Long Beach, CA 90805                 |
| 319 | Tapo Rock And Sand                   | 5023 Tapo Canyon Rd., Simi Valley, CA 93063           |
| 320 | Tehachapi Recycling, Inc.            | 416 Dennison Road, Tehachapi, CA 93561                |
| 321 | Temple Recycling Center              | 3521 W. Temple St., Los Angeles , CA 90004            |
| 322 | The Reclaimer                        | 12021 Lopez Canyon Road, Los Angeles , CA 91342       |
| 323 | Tire Center, Inc.                    | 1530 S. Alameda St., Los Angeles , CA 90021           |
| 324 | Tko Electronics, Inc.                | 31113 Via Colinas, Westlake Village, CA 91362         |
| 325 | Toner Warehouse                      | 14629 Arminta St. Suite A, Van Nuys, CA 91402         |
| 326 | Trash For Teaching                   | 2946 E. 11th Street, Los Angeles, CA 90023            |
| 327 | Tseng Long USA, Inc. - Slauson Ave   | 1160 E. Slauson Ave., Los Angeles, CA 90011           |
| 328 | Tseng Long USA, Inc. - Vail Ave      | 2801 S. Vail Ave., Los Angeles, CA 90040              |
| 329 | University Toner Recovery            | 1180 Murfield Rd, Los Angeles, CA 90019               |
| 330 | Usedcardboardboxes.com - Los Angeles | 4032 Wilshire Blvd., Suite 402, Los Angeles, CA 90010 |
| 331 | Usedcardboardboxes.com – Montebello  | 720 S. Vail Ave., Montebello, CA 90803                |
| 332 | Valley Base Materials                | 9050 Norris Ave., Sun Valley , CA 91352               |
| 333 | Valley Iron & Metal                  | 9754 San Fernando Rd., Sun Valley , CA 90280          |
| 334 | Valley Metals                        | 6850 Farndale Ave., North Hollywood, CA 91650         |
| 335 | Valley Recycling Center              | 20220 Plummer St., Chatsworth, CA 91311               |

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### Los Angeles County Countywide Integrated Waste Management Plan

|     | <b>Facility Name</b>                         | <b>Location Address</b>                         |
|-----|--|---|
| 336 | Vanguard Foam & Packaging                    | 15126 S. Broadway St., Gardena, CA 90248        |
| 337 | Veolia Environmental Services                | 107 S. Motor Ave., Azusa, CA 91702              |
| 338 | Vulcan Materials – Corona                    | 1709 Sherborn St., Corona, CA 92879             |
| 339 | Vulcan Materials – Irwindale                 | 16005 Foothill Blvd, Irwindale, CA 91702        |
| 340 | Vulcan Materials - Los Angeles (Main Office) | 3200 San Fernando Rd., Los Angeles, CA 90065    |
| 341 | Vulcan Materials - Oro Grande                | 20181 National Trails Hwy, Oro Grande, CA 92368 |
| 342 | Vulcan Materials – Palmdale                  | 6851 Ave. T., Little Rock , CA 93550            |
| 343 | Vulcan Materials - San Bernardino            | 2400 W. Highland Ave., San Bernardino, CA 92407 |
| 344 | Vulcan Materials - Santa Ana                 | 1401 E. Warner Ave, Santa Ana , CA 92705        |
| 345 | Walser's                                     | 23145 Kashiwa Court, Torrance, CA 90505         |
| 346 | Waste Management Carson Transfer Station     | 321 W. Francisco St., Carson, CA 90745          |
| 347 | West Coast Computer Recycler                 | 9856 Baldwin Pl., El Monte, CA 91731            |
| 348 | West Coast Rendering Co.                     | 4105 Bandini Blvd., Vernon, CA 90023            |
| 349 | West Los Angeles Recycling Center            | 4424 W. Jefferson Blvd., Los Angeles, CA 90016  |
| 350 | West Valley Recycling                        | 13373 Napa St., Fontana, CA 92335               |
| 351 | Western Pacific Pulp & Paper                 | 9400 Hall Road, Downey, CA 90241                |
| 352 | Western Recycling Co., Inc.                  | 13528 S. Western Ave., Gardena, CA 90249        |
| 353 | Westside Foodbank                            | 1710 22nd Street, Santa Monica, CA 90404        |
| 354 | Whittier Fertilizer                          | 9441 Kruse Rd., Pico Rivera, CA 90660           |

Source: Los Angeles County Solid Waste Information Management Systems (SWIMS; July 2015)

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## **Appendix E-7**

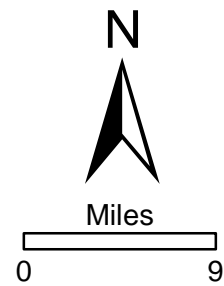
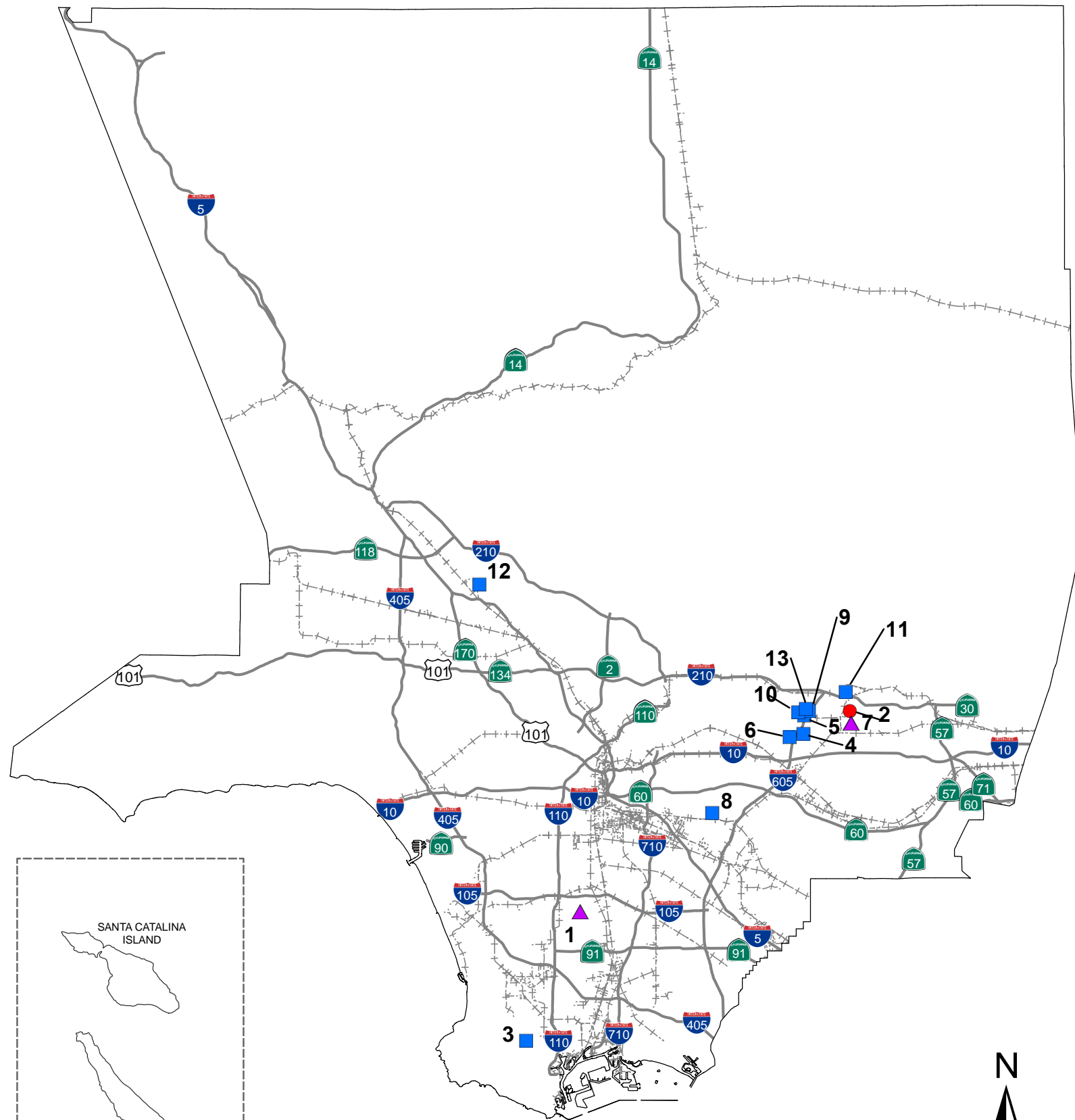
### **Location of Existing Inert Waste Landfills/Inert Debris Disposal Sites in Los Angeles County of Los Angeles (Map)**

**2014 Annual Report**

Los Angeles County Countywide Integrated Waste Management Plan

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**NO. LANDFILL NAMES**

- ▲ 1 Atkinson Brick Company (closed as of March 2014)
- 2 Azusa Land Reclamation Landfill
- 3 Chandler's Palos Verdes Sand and Gravel
- 4 Durbin Landfill
- 5 Hanson Aggregates West, Inc.
- 6 Lower Azusa Reclamation Project (Arcadia Reclamation Inc.)
- ▲ 7 Manning Pit
- 8 Montebello Land & Water Company
- 9 Nu-Way Arrow Reclamation
- 10 Peck Road Gravel Pit
- 11 Reliance Pit II Inert Debris Engineered Fill Site
- 12 Sun Valley Landfill
- 13 United Rock Products Pit #2

**CITIES**

- Los Angeles
- Azusa
- Rolling Hills Estates
- Irwindale
- Irwindale
- Arcadia
- Irwindale
- Montebello
- Irwindale
- Monrovia
- Irwindale
- Los Angeles
- Irwindale

**Legend**

**TIER**

- Full Solid Waste Facility Permit Tier
- ▲ Unclassified
- Enforcement Agency Notification Tier (Inert Debris Engineered Fill Operation)
- Major Freeways
- - - Railroads



**LOCATION OF EXISTING INERT WASTE LANDFILLS/  
INERT DEBRIS DISPOSAL SITES  
IN LOS ANGELES COUNTY  
(as of DECEMBER 31, 2014)**



## **Appendix E-8**

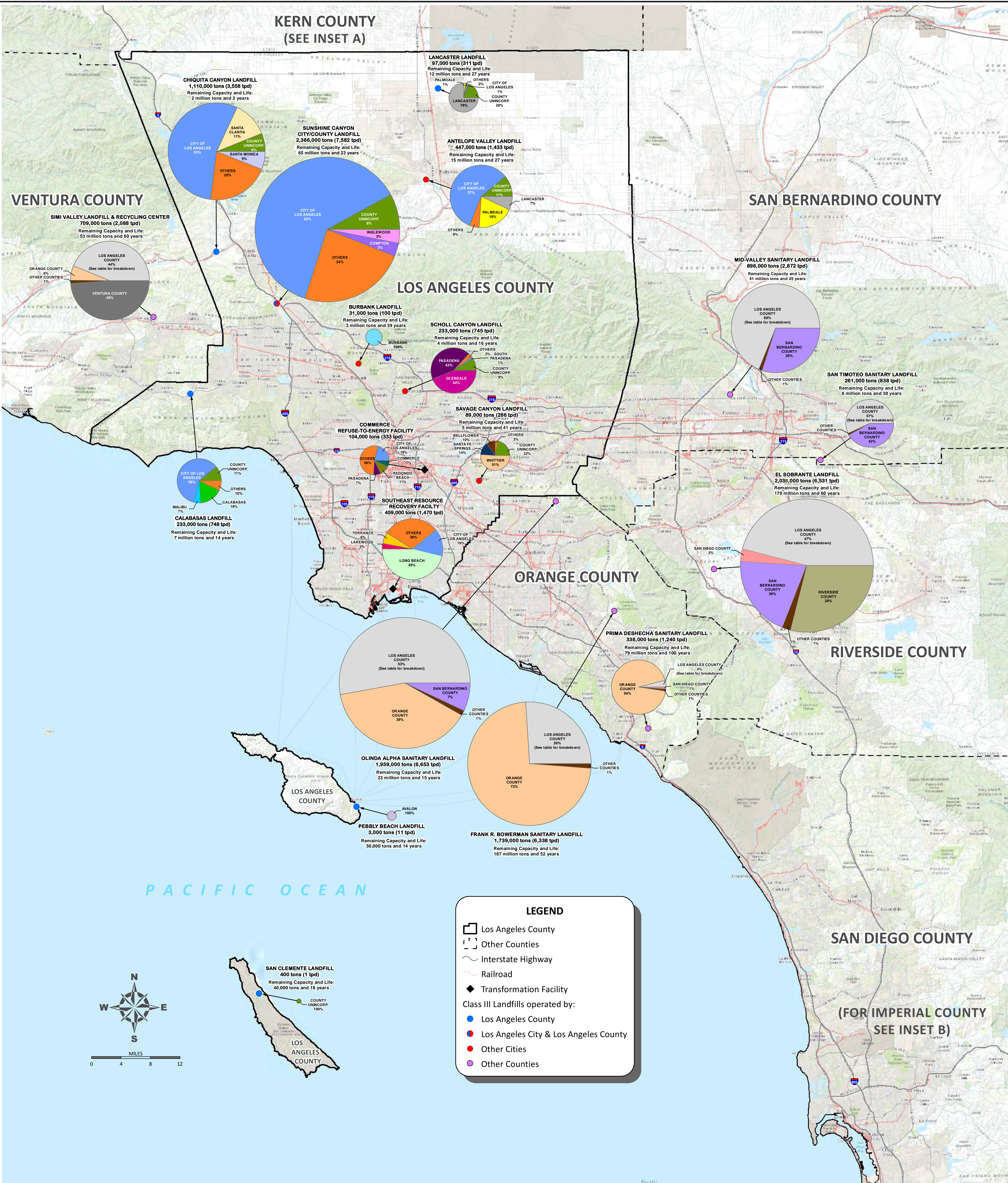
### **Waste Disposal by Jurisdiction of Origin at Permitted Municipal Solid Waste Facilities in Southern California (Map)**

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Los Angeles County Countywide Integrated Waste Management Plan

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

2014

| COUNTY         | NAME                                     | ANNUAL TONNAGE | Ave. TPD | REMAINING CAPACITY (Mil. Tons) | LIFE (Years) |
|----------------|--|----------------|----------|--------------------------------|--------------|
| Imperial       | Mesquite Regional Landfill (See Inset B) | N/O            | 20,000 * | 600                            | 100          |
| Kern           | H.M. Holloway Landfill (See Inset A)     | 97,000         | 318      | 2                              | 10           |
| Los Angeles    | Antelope Valley Landfill                 | 447,000        | 1,433    | 15                             | 27           |
| Los Angeles    | Burbank Landfill                         | 31,000         | 100      | 3                              | 39           |
| Los Angeles    | Calabasas Landfill                       | 233,000        | 748      | 7                              | 14           |
| Los Angeles    | Chiquita Canyon Landfill                 | 1,110,000      | 3,558    | 2                              | 2            |
| Los Angeles    | Commerce Refuse-to-Energy Facility       | 104,000        | 333      | N/A                            | N/A          |
| Los Angeles    | Lancaster Landfill                       | 97,000         | 311      | 12                             | 27           |
| Los Angeles    | Pebbly Beach Landfill                    | 3,000          | 11       | 0.05                           | 14           |
| Los Angeles    | San Clemente Landfill                    | 400            | 1        | 0.04                           | 18           |
| Los Angeles    | Savage Canyon Landfill                   | 89,000         | 286      | 5                              | 41           |
| Los Angeles    | Scholl Canyon Landfill                   | 233,000        | 745      | 4                              | 16           |
| Los Angeles    | Southeast Resource Recovery Facility     | 459,000        | 1,470    | N/A                            | N/A          |
| Los Angeles    | Sunshine Canyon Landfill                 | 2,386,000      | 7,582    | 65                             | 23           |
| Orange         | Frank R. Bowerman Sanitary Landfill      | 1,739,000      | 6,338    | 187                            | 52           |
| Orange         | Olinda Alpha Sanitary Landfill           | 1,959,000      | 6,653    | 23                             | 15           |
| Orange         | Prima Deshecha Sanitary Landfill         | 338,000        | 1,240    | 79                             | 100          |
| Riverside      | El Sobrante Landfill                     | 2,038,000      | 6,531    | 170                            | 60           |
| San Bernardino | Mid-Valley Sanitary Landfill             | 896,000        | 2,872    | 41                             | 25           |
| San Bernardino | San Timoteo Sanitary Landfill            | 261,000        | 838      | 8                              | 30           |
| Ventura        | Simi Valley Landfill & Recycling Center  | 709,000        | 2,088    | 53                             | 60           |

NOTES: Based on total tonnages disposed from January 1 thru December 31, 2014.  
 Total tonnages rounded to nearest thousand except San Clemente which is rounded to the nearest hundred.  
 TPD - Tons per Day.  
 N/O - Not yet Operational.  
 N/A - Not Applicable.  
 \* - Based on permitted maximum daily tonnage.

## OUT-OF-COUNTY DISPOSAL FACILITIES - DISPOSAL BREAKDOWN BY JURISDICTIONS (2014)

**Frank R. Bowerman Sanitary Landfill (Orange CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| LONG BEACH                | 86,205          | 19%         |
| CITY OF LOS ANGELES       | 73,417          | 16%         |
| DOWNEY                    | 56,002          | 12%         |
| LAKEWOOD                  | 35,228          | 7%          |
| OTHERS                    | 212,389         | 46%         |
| TOTAL                     | 463,252         | 100%        |

**Mid-Valley Sanitary Landfill (San Bernardino CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 216,570         | 35%         |
| COUNTY UNINCORPORATED     | 50,193          | 8%          |
| WEST COVINA               | 36,183          | 6%          |
| MONTEREY PARK             | 25,690          | 4%          |
| OTHERS                    | 294,800         | 47%         |
| TOTAL                     | 623,436         | 100%        |

**Simi Valley Landfill & Recycling Center (Ventura CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 140,407         | 42%         |
| LONG BEACH                | 24,759          | 7%          |
| CULVER CITY               | 19,309          | 6%          |
| AGOURA HILLS              | 14,607          | 4%          |
| OTHERS                    | 135,521         | 41%         |
| TOTAL                     | 334,604         | 100%        |

**Prima Deshecha Sanitary Landfill (Orange CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 39,959          | 27%         |
| LONG BEACH                | 30,299          | 24%         |
| REDONDO BEACH             | 922             | 7%          |
| EL SEGUNDO                | 184             | 1%          |
| OTHERS                    | 724             | 6%          |
| TOTAL                     | 127,311         | 100%        |

**San Timoteo Sanitary Landfill (San Bernardino CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 14,449          | 10%         |
| COUNTY UNINCORPORATED     | 11,199          | 7%          |
| WEST COVINA               | 7,330           | 5%          |
| MONTEREY PARK             | 76,770          | 51%         |
| OTHERS                    | 145,717         | 100%        |

**El Sobrante Landfill (Riverside CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 232,878         | 24%         |
| COUNTY UNINCORPORATED     | 113,488         | 12%         |
| CARSON                    | 99,309          | 10%         |
| POMONA                    | 73,683          | 8%          |
| OTHERS                    | 434,558         | 46%         |
| TOTAL                     | 953,915         | 100%        |

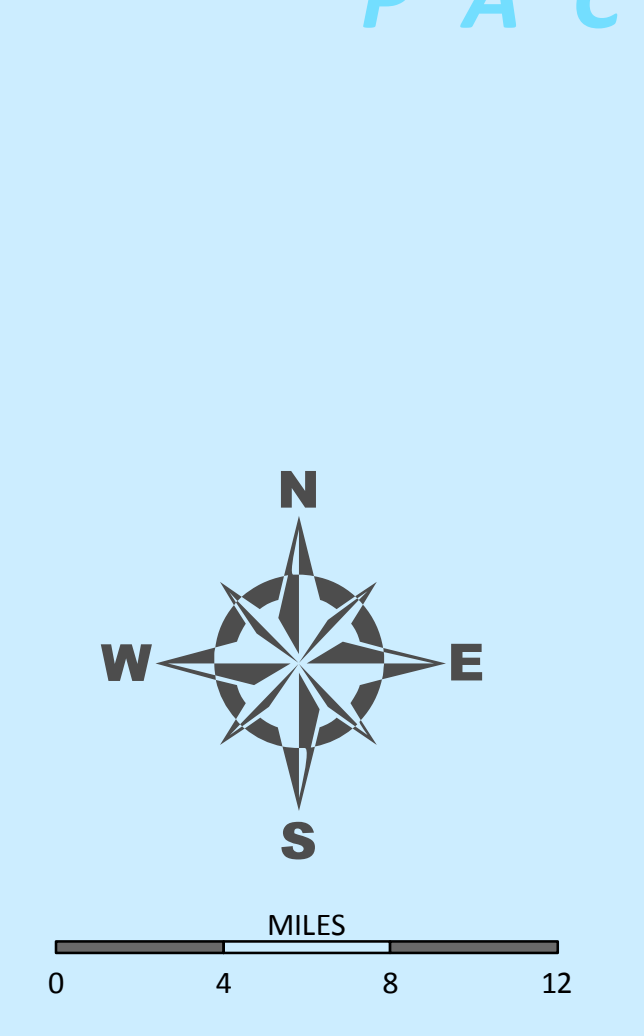
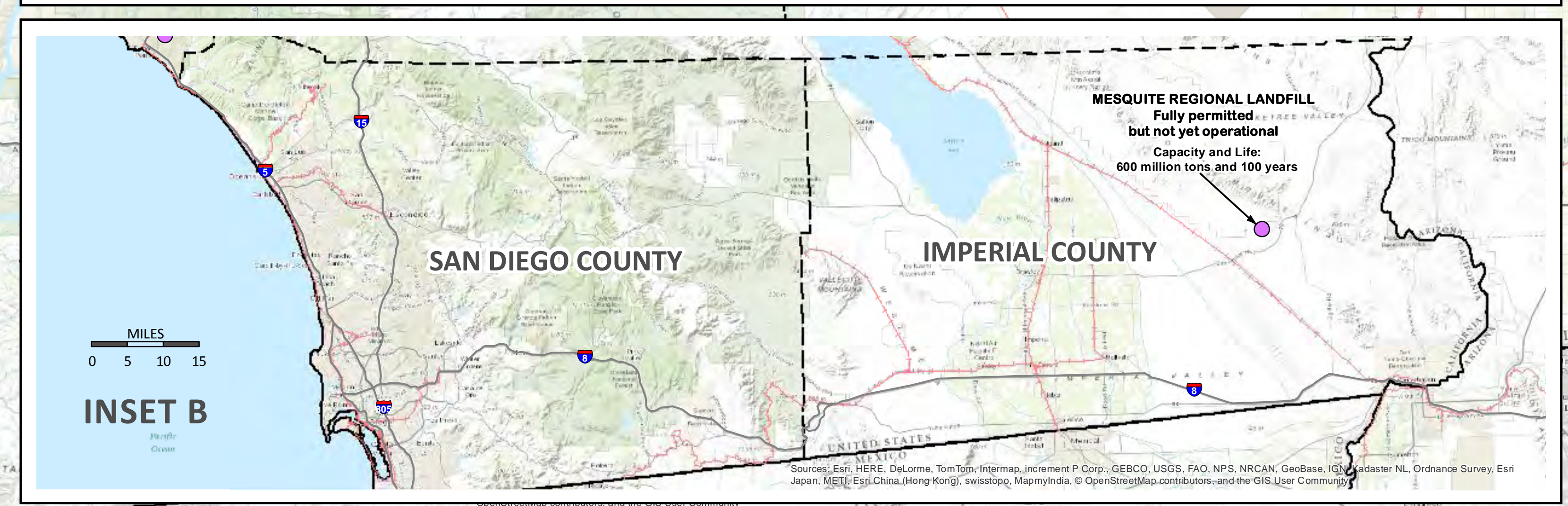
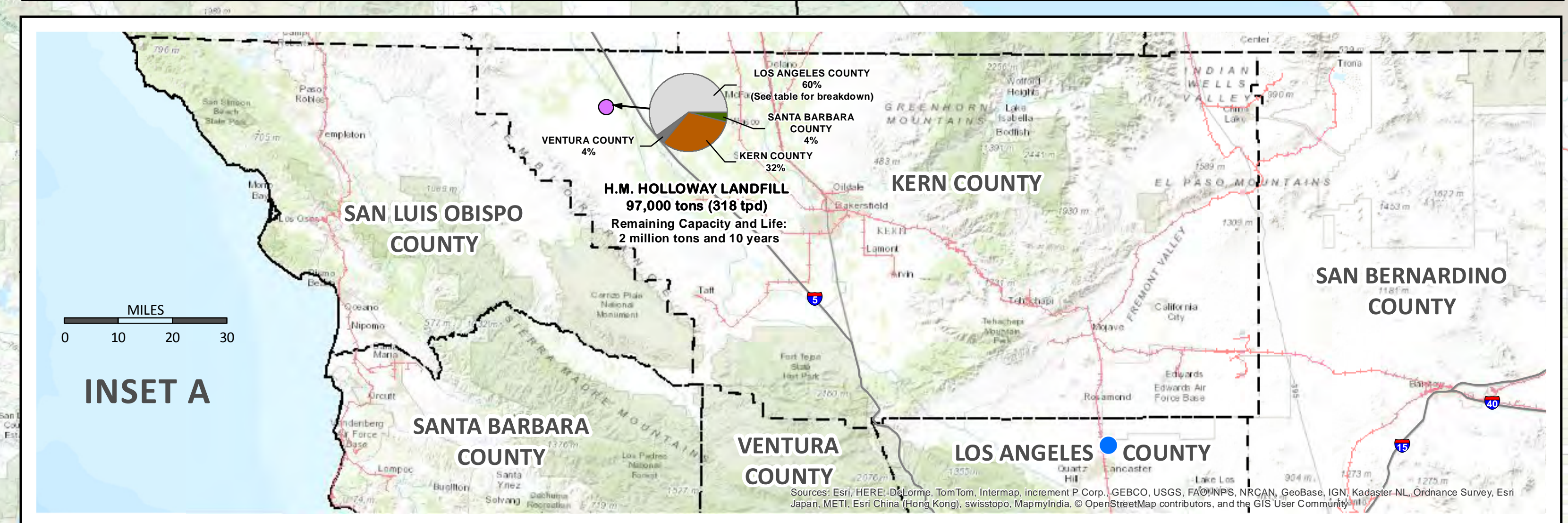
**Olinda Alpha Sanitary Landfill (Orange CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CITY OF LOS ANGELES       | 202,255         | 20%         |
| COUNTY UNINCORPORATED     | 84,756          | 8%          |
| CITY OF INDUSTRY          | 73,747          | 7%          |
| LONG BEACH                | 53,787          | 5%          |
| OTHERS                    | 625,209         | 60%         |
| TOTAL                     | 1,039,755       | 100%        |

**H.M. Holloway Landfill (Kern CO)**

| BREAKDOWN BY JURISDICTION | DISPOSED (TONS) | PERCENT (%) |
|---------------------------|-----------------|-------------|
| CARSON                    | 57,988          | 100%        |
| TOTAL                     | 57,988          | 100%        |

Source: Los Angeles County Department of Public Works  
 Solid Waste Information Management System  
 (www.LACountySWIMS.org), July 2015



**LEGEND**

- Los Angeles County
- Other Counties
- Interstate Highway
- Railroad
- Transformation Facility
- Class III Landfills operated by:
  - Los Angeles County
  - Los Angeles City & Los Angeles County
  - Other Cities
  - Other Counties