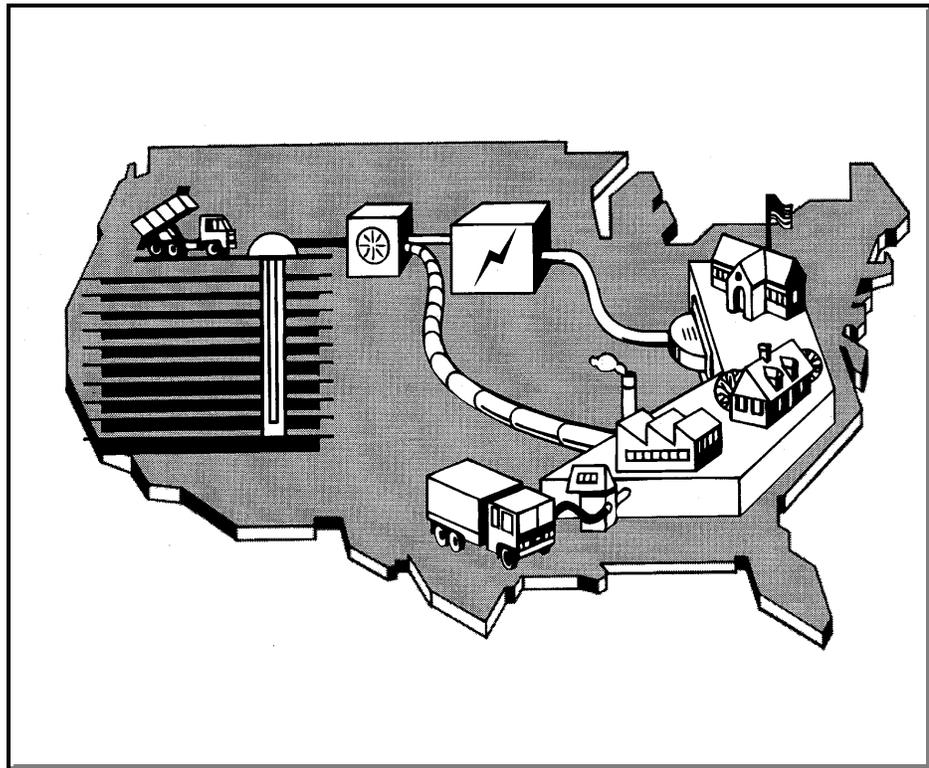




# Landfill Gas-to-Energy Project Opportunities

## Landfill Profiles for the State of California



## EPA Landfill Methane Outreach Program



The EPA Landfill Methane Outreach Program, a key component of the United State's *Climate Change Action Plan*, encourages the use of landfill gas (LFG) as an energy resource. EPA assists utilities, municipal and private landfill owners and operators, tribes, and state agencies in reducing methane emissions from landfills through the development of profitable landfill energy recovery projects. Methane captured from landfills can be transformed into a cost-effective fuel source for electricity, heat, boiler and vehicular fuel, or sale to a pipeline. EPA estimates there are approximately 200 landfill methane recovery projects in the U.S. and that up to 750 landfills could install economically viable landfill energy projects.

The Landfill Methane Outreach Program includes five important components: the State Ally, Energy Ally, Industry Ally, Community Partner, and Endorser programs. EPA establishes separate alliances with state agencies, energy providers (including investor-owned, municipal and other public power utilities and cooperatives), key trade and public sector associations, members of the landfill gas development industry (including developers, engineers, equipment vendors, and others) and local communities, municipalities and landfill owner/operators through a Memorandum of Understanding (MOU). By signing the MOU, each Ally/Partner acknowledges a shared commitment to the promotion of landfill gas-to-energy recovery at solid waste landfills, recognizes that the widespread use of landfill gas will reduce emissions of methane and other gases, and commits to undertake activities to enhance development of this resource. In return, EPA agrees to provide landfill gas-to-energy project assistance and public recognition of the Allies' and Partners' participation in the program.

## Introduction

Since 1994 the U.S. EPA's Landfill Methane Outreach Program (LMOP) has participated in an ongoing effort to gather information on Municipal Solid Waste landfills (MSW). A key component of the LMOP is to provide MSW landfill owners and operators, project developers, utilities, and other potential project participants with information on MSW landfills that may offer attractive energy development opportunities. This document presents state specific landfill information, hereinafter referred to as the landfill profiles. These profiles are useful to evaluate the potential for developing landfill gas-to-energy projects (LFGTE). EPA assembled this information from state and local sources as well as various national solid waste publications, landfill owners and operators, and project developers.

The EPA has prepared a separate document to describe the methodology used to develop the state-specific landfill profiles and estimate the benefits of using LFGTE as an energy source. The document, *Landfill Gas-to-Energy Project Opportunities, Background Information on Landfill Profiles*, contains background information on gas collection and use, describes the data fields according to the five sections listed on the landfill profiles, and where applicable, illustrates calculations and default values used to derive estimates. EPA strongly recommends that users read the document prior to using the landfill profiles. Users can obtain the document by calling the LMOP hotline at 1-888-STAR-YES.

### Data Sources

- EPA-ORD Landfill Gas Utilization-Survey (Thorneloe, 1997)
- Directory and Atlas of Solid Waste Disposal Facilities (SWA, 1994)
- Implementation Guide for Landfill Gas Recovery Projects in the Northeast (SCS, 1994)
- Landfill Gas-to-Energy 1994-1995 Activity Report (SWT, 1994)
- Methane Recovery from Landfill Yearbook (GAA, 1994)
- Project developers, landfill owners, and operators
- State and local records
- Survey of Landfill Gas Generation Potential (EPRI, 1992)
- U.S. Landfill Directory (SWANA, 1992)

## Landfill Classification

To facilitate the use of available landfill information, EPA has categorized the landfills into five categories: Current Project,<sup>1</sup> Candidate Project, Shutdown, Other, and Unknown waste-in-place (WIP). These categories are based on the status of the landfill's LFGTE project(s) and WIP. The generation of methane is a function of many factors, the most critical being the amount of waste-in-place and the number of years the waste has been in the landfill. Peak methane generation occurs soon after closure; therefore, the longer the landfill has been closed, the less attractive it becomes for methane recovery. Based on the general timing of peak methane generation, EPA assumes that landfills that ceased accepting waste prior to 1993 have a low probability of generating enough methane to make a gas recovery project economical. Consequently, landfills need to be operating in 1993 to be considered as having a Candidate Project.

### Landfill Categorizes

#### Current Project:

- Landfill with operational LFGTE project or landfill with LFGTE project under construction.

#### Candidate Project:

- Landfill with a potential or planned LFGTE utilization project; or
- Landfill is currently operating or closed after 1993; and has more than 1,000,000 tons of municipal solid waste-in-place.<sup>2</sup>

#### Shutdown:

- Landfill with shutdown LFGTE project.

#### Other:

- Landfill has less than 1,000,000 tons of municipal solid waste-in-place with no current or planned LFGTE project.

#### Unknown WIP:

- Landfill with insufficient data to determine the waste-in-place.

## State Summary

State-specific landfill profile information is summarized in three exhibits. Exhibit 1 presents a summary of the state-specific potential for LFG utilization energy by landfill category. Exhibit 2 summarizes the emissions avoided by fossil fuel displacement for electricity generation and direct use projects. Exhibit 3 presents an index of the state-specific MSW landfills, referenced by category, landfill name and general characteristics.

<sup>1</sup> Current projects illustrate the wide range of successful project development options.

<sup>2</sup> By modeling the relationship between WIP and methane generation, a cut-off of 1,000,000 tons of WIP was established; landfills having at least 1,000,000 tons of WIP are considered candidate landfills.



## Exhibit 1: California MSW Landfill Summary

Category	No. of Landfills	Est. Capacity Potential		Est. CH4 Generation (mmscf/d)	Methane Reduction (tons/yr)		CO2 Equivalent of CH4 Reduction (tons/yr)	
		Electricity (MW)	Gas Capacity (mmBtu/hr)		Potential	Current	Potential	Current
Current	56	480	4,802	154	888,372	653,706	18,655,814	13,727,832
Candidate	43	237	2,374	76	439,226	124,497	9,223,746	2,614,439
Shutdown	9	25	252	8	46,582	26,210	978,212	550,408
Other	115	51	509	16	94,252	9,251	1,979,290	194,263
Unknown WIP	113							
<b>Total</b>	<b>336</b>	<b>793</b>	<b>7,937</b>	<b>254</b>	<b>1,468,431</b>	<b>813,664</b>	<b>30,837,061</b>	<b>17,086,942</b>

## Exhibit 2: Potential California Emissions Avoided by Fossil Fuel Displacement

Category	Electricity Generation Project						Direct Use Project					
	CO2 (tons/yr)			SO2 (tons/yr)			CO2 (tons/yr)			SO2 (tons/yr)		
	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas	Coal	Oil	Natural Gas
Current	3,788,525	3,109,450	2,090,837	23,946	20,015	0	2,675,212	2,195,693	1,476,414	24,342	12,796	13
Candidate	1,871,374	1,535,938	1,032,786	11,828	9,887	0	1,322,670	1,085,588	729,964	12,035	6,326	6
Shutdown	198,898	163,246	109,769	1,257	1,051	0	140,274	115,131	77,415	1,276	671	1
Other	402,532	330,379	222,152	2,545	2,127	0	283,826	232,952	156,640	2,583	1,358	1
Unknown WIP												
<b>Total</b>	<b>6,261,328</b>	<b>5,139,014</b>	<b>3,455,544</b>	<b>39,577</b>	<b>33,078</b>	<b>0</b>	<b>4,421,983</b>	<b>3,629,364</b>	<b>2,440,433</b>	<b>40,236</b>	<b>21,150</b>	<b>21</b>

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	Acme LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Altamont SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	American Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Austin Road LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Badlands Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Bailard LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	BKK Landfill-Phase I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	BKK Landfill-Phase II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Bradley Avenue West SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Bradley East LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Central LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	City of Santa Clara LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Coyote Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Crazy Horse SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Davis Street LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Double Butte Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Guadalupe Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Highgrove SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Industry Hills Sheraton Resort	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Lopez Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Mead Valley Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Menlo Park LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Miramar SLF- Phase I	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Miramar SLF- Phase II	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Monterey Peninsula SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Mountaingate LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Mountaingate LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Newby Island SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Olinda Alpha SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Otay LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Palo Alto LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Palos Verdes Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Penrose LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Prima Deshecha SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Puente Hills (Clean Fuels Project)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Puente Hills (Gas Turbines)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Puente Hills (Rio Hondo)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Puente Hills LF(Steam Cycle Plant)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Sacramento City LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Current	San Marcos LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Santa Clara LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Santa Cruz City SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Scholl Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Sheldon-Arleta LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Simi Valley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Spadra LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Sunnyvale LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Sycamore SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Tajiguas SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Temescal Road LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Toyon Canyon LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Union Mine Disposal Site	<input type="checkbox"/>	Construction					
Current	Visalia Disposal Site	<input type="checkbox"/>	Construction					
Current	West Contra Costa LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Current	Woodville Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Construction
Current	Yolo County Central LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Operational
Candidate	Arvin SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Candidate	Azusa Land Reclamation Company, Inc	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Bakersfield SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown
Candidate	Ben Lomond Solid Waste Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Blythe Disposal Site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Buena Vista Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Calabasas SLF	<input type="checkbox"/>	Planned					
Candidate	Chateau Fresno LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Chiquita Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	City Garbage Company LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	City of Santa Maria Refuse Disposal Sit	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	City of Ukiah Solid Waste Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Coachella Valley Disposal Site	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Colton Refuse Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Edom Hill Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	El Sobrante SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Foothills SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Frank R. Bowerman SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Frank R. Bowerman SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Hanford SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Keller Canyon LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Lamb Canyon Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Candidate	McCourtney LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	McFarland-Delano SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Mid-Valley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Milliken SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Newby Island SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Ox Mountain SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Potrero Hills SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Ramona LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Ridgecrest-Inyokern SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Sacramento County LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	San Timoteo Solid Waste Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Santa Monica Landfill	<input type="checkbox"/>	<input type="checkbox"/>	Potential				
Candidate	Santiago Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Shafter-Wasco SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	South Chollas LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Sunshine Canyon/North Valley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Teapot Dome Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Tri-Cities Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	None
Candidate	Vasco Road SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Planned
Candidate	Yuba-Sutter Disposal Area	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Candidate	Yuba-Sutter Disposal Inc.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Potential
Shutdown	Ascon & Desser Landfills	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Bonsall Landfill	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown				
Shutdown	Burbank LF Site No. 3	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown				
Shutdown	City of Lompoc SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Coastal LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Duarte LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Mountain View LF (Laidlaw)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Sheldon-Arleta LF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown
Shutdown	Upland LF	<input type="checkbox"/>	<input type="checkbox"/>	Shutdown				
Other	Agua Mansa LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Alturas SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Amador County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	American Canyon SLF II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Anderson Solid Waste Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Annapolis LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Anza Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Apple Valley Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Avenal LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	B & J Dropbox SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Baker Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Balance Rock Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Barstow Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Beale Air Force Base SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Benton Crossing SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Benton SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Berryessa Garbage Service Disposal Si	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bieber Disposal Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Big Oak Flat LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bonzi SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Borrego Springs LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Brand Park LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Bridgeport SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	C & H Sugar Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	California Street LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Camp Roberts Solid Waste Disposal Si	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Caspar Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Chalfant SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Chicago Grade LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	China Grade SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	City of Paso Robles LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Cloverdale LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Coalinga Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Cold Canyon LF Solid Waste Disposal	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Corral Hollow LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Covelo Fill Site "3"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Crescent City SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Desert Valley Company LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Dixon Pit LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Eagle Mountain LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Earlimart Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Fink Road LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Foxen Canyon SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Glenn County LF Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Gopher Hill SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Harney Lane SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Herlong Disposal Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Hesperia Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	Imperial County Sanitation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Imperial Waste Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Intermountain LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Johnson Canyon SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Jolan Road SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kennedy Meadows Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kern Valley LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Kirby Canyon SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Landers Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Laytonville Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lebec SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lenwood-Hinkley Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lewis Road SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Loyalton LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Lucerne Valley Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mariposa County SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mecca LF II	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Metro Water District - Iron Mountain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mitsubishi Cement Plant Cushenbury L	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Mojave-Rosamond SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Morongo Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	NAS, Lemoore SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Needles Solid Waste Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	New Cuyama SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Newberry Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	North Belridge Solid Waste Disposal Sit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	North County LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Oro Grande LF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Oroville LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pebbly Beach (Avalon) Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pebbly Beach (Avalon) Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Picacho Cut and Fill Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Placer County Western Regional SLF	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Ponderosa SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Portola LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Pumice Valley SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Ravendale Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Reserve Component Training Center	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	San Antonio South Shore Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Other	San Onofre LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Shoreline LF at Mountain View	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Shoshone Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Sierra Army Depot	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Simpson Paper Company	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Somoa LF Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	South Coast Refuse Disposal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tecopa Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tehachapi SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Texaco Oil Disposal Site "C"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Toland Road SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Trona-Argus Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Tuolumne County Central SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Twentynine Palms Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Twin Bridges LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	U.S. Navy LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	U.S.M.C. 29 Palms Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	University of California at Davis SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Upper Valley Disposal Service LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Valley Tree & Construction Disposal Sit	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Victorville Refuse Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Walker SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Weaverville LF Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	West Central LF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	West Marin SLF	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	West Seventh Street Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Westwood Disposal Facility	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Other	Yermo Disposal Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Aerojet Liquid Rocket Company LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	American Avenue Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Antelope Valley Public LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Bass Hill LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Big Bear Refuse Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Billy Wright Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Bishop Sunland	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Black Butte Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Boron SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Brawley Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Buttonwillow SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Unknown WIP	Calaveras Cement-Division of Flintkote	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Calxico Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	California Valley LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Camp San Luis Obispo LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Casa Grande Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Cecilville Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Cedarville LF - East	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Chester SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Chestnut Avenue SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Clovis LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Palo Alto Refuse Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Redding Benton LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Rialto Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Whittier-Savage Canyon LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	City of Willits Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Clipper Creek	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Collins Pine Company LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Contra Costa SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Deep Springs College Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Diamond LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	E.O.D. #2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Eagleville Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Eastern Regional LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Eastlake SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Edwards Air Force Base-Main Base LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Edwards Air Force Base-Rocket Propul	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Evans Road LF: AP #18-160-46	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Exeter Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Fairmead Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Fort Bidwell LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Forward Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	French Camp LF Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Furnace Creek	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Geer Road SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Glennville LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Goldstone Deep Space Comm Comple	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Hanford Recycling Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Happy Camp Solid Waste Disposal site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Harney Lane Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Unknown WIP	Harold James Inc. Tire Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Highway 59 Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Hillside Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Holliday SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Holtville Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Homewood Canyon Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Hot Spa Cut & Fill Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Hotelling Gulch Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Independence Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	John Smith Road Solid Waste Disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Kelly Gulch Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	L&D LF Company	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lake City LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Las Pulgas LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lava Beds Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lone Pine Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Lost Hills SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Louisiana-Pacific Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Madeline Disposal Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	McCloud Community Services District L	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Montecito Memorial Park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Neal Road LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Niland Cut & Fill Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	North San Joaquin County Landfill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	NU-WAY Industries, Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Oasis Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Ocotillo Cut & Fill	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Olancho-Cartago Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Orange Avenue Disposal Inc.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Owens Fiberglas Co.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Pacheco Pass SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Pacific Missile Test Center LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Palo Verde Cut & Fill Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Phelan Refuse Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Pitchess Honor Rancho LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Red Bluff SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Red Hill SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Redwood SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Rio Vista SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

### Exhibit 3: Index of Landfills in California

Category	Landfill Name	WIP			Landfill Operating in 1998	LFG Collected	LFG Utilization Project	Status of LFGTE Project
		<2.5 million tons	2.5 to 4 million tons	>4 million tons				
Unknown WIP	Rock Creek LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Rogers Creek	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Salton City Cut & Fill Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Santa Fe Energy Resources, Inc. LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Santa Rosa Geothermal Company LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Shoreline Regional Park SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Southeast Regional Solid Waste Dispo	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Southside Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Speckertt Disposal Area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Stonyford Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Taft SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Tennant Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Tubbs Island	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Tulelake SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Two Harbors LF Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Vandenberg Air Force Base LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Vasalia Disposal Site LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Ventucopa SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Waste Management of Lancaster SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Watsonville City Solid Waste Disposal	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Weed Solid Waste Disposal Site	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Western Regional LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Yreka Solid Waste LF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown
Unknown WIP	Zanker Road (Nine Par) SLF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Unknown

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Acme Fill Corporation	Annual Acceptance Rate (tons):	37,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Martinez	Acres Currently Landfilled (acres):	516
County:	Contra Costa	Average Depth (feet):	80
State:	CA	1998 Waste-in-Place (tons):	10,700,000
Year Open:	1954	1998 Waste-in-Place (tons):	10,700,000
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.28
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.8
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Boiler
Utilization System Start Year:	1982
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	7	71
Current Capacity:	1.8	38
Planned Capacity:		

Utilities in County: Pacific Gas &amp; Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	13,205		6,938	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	277,307		145,696	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	56,039	354	39,765	362
<i>Fuel Oil:</i>	45,994	296	32,638	190
<i>Natural Gas:</i>	30,927	0	21,946	0

**E. CONTACT INFORMATION**

## Landfill Owner

## Landfill Operator

Contact Name:	Nick Ferros	
Mailing Address:	950 Waterbird Way	950 Waterbird Way
Phone Number:	925-228-7099	925-228-7099
Fax Number:		



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Waste Management Inc.	Annual Acceptance Rate (tons):	1,508,100
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	35,332,933
City:	Livermore	Acres Currently Landfilled (acres):	2170
County:	Alameda	Average Depth (feet):	300
State:	CA	1993 Waste-in-Place (tons):	26,450,512
Year Open:	1980	1998 Waste-in-Place (tons):	34,801,366
Year Closed:	2092		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	9.32
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	4.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):	PG&E		
Energy Purchaser(s):	Pacific Gas & Electric Company		

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	29		291
Current Capacity:	6.6		83
Planned Capacity:			

Utilities in County: Alameda Bureau of Electricity; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	53,881		15,418	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	1,131,493		323,770	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	229,679	1,452	162,254	1,476
<i>Fuel Oil:</i>	188,510	1,213	133,171	776
<i>Natural Gas:</i>	126,757	0	89,546	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ron Arp	Paul Yamamoto
Mailing Address:	Altamont Landfill & Resource Recovery 10840 Altamont Pass Road	Altamont Landfill & Resource Recovery 10840 Altamont Pass Road
Phone Number:	510-449-6349	925-455-7351
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	South Napa Solid Waste Authority	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	2,699,460
City:	Napa	Acres Currently Landfilled (acres):	122
County:	Napa	Average Depth (feet):	60
State:	CA	1998 Waste-in-Place (tons):	4,200,000
Year Open:	1940	1998 Waste-in-Place (tons):	4,200,000
Year Closed:	1995		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.95
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		30
Current Capacity:	1.5		21
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,466		3,854	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	114,778		80,942	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	23,678	150	16,459	150
<i>Fuel Oil:</i>	19,434	125	13,509	79
<i>Natural Gas:</i>	13,068	0	9,084	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Trent Cave	
Mailing Address:	1195 Third Street Room 101	1195 Third Street, Room 101
Phone Number:	707-253-4471	707-253-4471
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	County Of Kern-Truxtun AV	Annual Acceptance Rate (tons):	85,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Arvin	Acres Currently Landfilled (acres):	125
County:	Kern	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	3,700,000
Year Open:	1971	1998 Waste-in-Place (tons):	3,700,000
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

<i>Estimated Methane Generation (mmscf/d):</i>	1.36
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Unknown
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

<i>Estimated Potential Capacity:</i>	4	43
Current Capacity:		
Planned Capacity:		

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	7,888		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	165,652		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	33,939	215	23,754	216
<i>Fuel Oil:</i>	27,856	179	19,496	114
<i>Natural Gas:</i>	18,730	0	13,110	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Greg Pope	
Mailing Address:	2700 M Street, Suite 500	2700 M STREET, SUITE 500
Phone Number:	805-861-2159	805-862-8900
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Watson Energy Systems/Desser	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Ascon LF	Design Capacity (tons):	
City:	Wilmington	Acres Currently Landfilled (acres):	62
County:	Los Angeles	Average Depth (feet):	100
State:	CA	1994 Waste-in-Place (tons):	4,000,000
Year Open:	1960	1998 Waste-in-Place (tons):	4,000,000
Year Closed:	1980		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.03
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1979		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Unocal Company (formerly Shell Oil Compa		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		32
Current Capacity:			
Planned Capacity:			21

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,966		3,854	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	125,280		80,942	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	25,257	160	17,965	164
<i>Fuel Oil:</i>	20,730	133	14,745	86
<i>Natural Gas:</i>	13,939	0	9,915	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Stockton	Annual Acceptance Rate (tons):	123,141
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	5,438,912
City:	Stockton	Acres Currently Landfilled (acres):	123
County:	San Joaquin	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	2,030,690
Year Open:	1956	1998 Waste-in-Place (tons):	2,969,656
Year Closed:	2000		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.96
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		30
Current Capacity:	0.8		10
Planned Capacity:			

Utilities in County: Lodi Muni Elec Syst; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,553		1,927	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	116,621		40,471	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	23,678	150	16,723	152
<i>Fuel Oil:</i>	19,434	125	13,726	80
<i>Natural Gas:</i>	13,068	0	9,229	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Miller	Donald Cluxton
Mailing Address:	425 North Eldorado Street	280 N. Campus Drive
Phone Number:	209-937-8827	209-582-3211
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Azusa LF	Design Capacity (tons):	92,654,947
City:	Azusa	Acres Currently Landfilled (acres):	200
County:	Los Angeles	Average Depth (feet):	180
State:	CA	1998 Waste-in-Place (tons):	7,900,000
Year Open:	1958	1998 Waste-in-Place (tons):	7,900,000
Year Closed:	2020		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.93
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	6.2
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	S-C-E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		60
Current Capacity:			
Planned Capacity:	3.0		129

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	11,179		23,897	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	234,749		501,843	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	47,357	299	33,663	306
<i>Fuel Oil:</i>	38,868	250	27,629	161
<i>Natural Gas:</i>	26,136	0	18,578	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	Ralph Shavira
Mailing Address:	757 N. Eldridge P.O. Box 3151	1211 West Gladstone Street
Phone Number:	281-870-7801	818-334-0719
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BKK Corporation	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	BKK West Covina Disposal Site	Design Capacity (tons):	62,987,403
City:	West Covina	Acres Currently Landfilled (acres):	583
County:	Los Angeles	Average Depth (feet):	70
State:	CA	1998 Waste-in-Place (tons):	46,000,000
Year Open:	1962	1998 Waste-in-Place (tons):	46,000,000
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	10.17
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	21.6
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Steam Turbine		
Utilization System Start Year:	1993		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	32		318
Current Capacity:	7.0		450
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	58,780		83,255	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	1,234,374		1,748,355	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	250,990	1,586	177,007	1,611
<i>Fuel Oil:</i>	206,001	1,326	145,279	847
<i>Natural Gas:</i>	138,518	0	97,688	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Helge Larsen	Helge Larsen
Mailing Address:	2210 South Azusa Avenue	2210 South Azusa Avenue
Phone Number:	626-965-0911	626-965-0911
Fax Number:		



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BKK Corporation	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	West Covina	Acres Currently Landfilled (acres):	583
County:	Los Angeles	Average Depth (feet):	70
State:	CA	1998 Waste-in-Place (tons):	46,000,000
Year Open:	1962	1998 Waste-in-Place (tons):	46,000,000
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	10.17
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	21.6
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	32		318
Current Capacity:	6.0		450
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	58,780		83,255	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	1,234,374		1,748,355	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	250,990	1,586	177,007	1,611
<i>Fuel Oil:</i>	206,001	1,326	145,279	847
<i>Natural Gas:</i>	138,518	0	97,688	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Helge Larsen	Helge Larsen
Mailing Address:	2210 South Azusa Avenue	2210 South Azusa Avenue
Phone Number:	626-965-0911	626-965-0911
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	575,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	10,377,924
City:	Moreno Valley	Acres Currently Landfilled (acres):	141
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	1,720,000
Year Open:	1966	1998 Waste-in-Place (tons):	1,720,000
Year Closed:	2018		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.83
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:			

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,801		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	100,825		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	20,521	130	14,458	132
<i>Fuel Oil:</i>	16,843	108	11,867	69
<i>Natural Gas:</i>	11,325	0	7,979	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	J & C Properties, et al.	Annual Acceptance Rate (tons):	310,191
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Bailard LF (Oxnard Power Station)	Design Capacity (tons):	
City:	Oxnard	Acres Currently Landfilled (acres):	160
County:	Ventura	Average Depth (feet):	90
State:	CA	1990 Waste-in-Place (tons):	4,336,609
Year Open:	1989	1998 Waste-in-Place (tons):	7,163,874
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.25
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.2
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	7		70
Current Capacity:			25
Planned Capacity:			

Utilities in County: Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	13,011		4,625	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	273,221		97,131	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	55,249	349	39,179	357
<i>Fuel Oil:</i>	45,346	292	32,157	187
<i>Natural Gas:</i>	30,491	0	21,623	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:		
Mailing Address:	6030 Casitas Pass	1001 Partridge Drive Suite 150
Phone Number:	805-684-4011	805-658-4647
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Bakersfield	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	BENA	Design Capacity (tons):	
City:	Bakersfield	Acres Currently Landfilled (acres):	135
County:	Kern	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	13,000,000
Year Open:	1992	1998 Waste-in-Place (tons):	13,000,000
Year Closed:	2060		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.74
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co., Destec Ener		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		117
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	21,641		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	454,459		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	92,345	584	65,169	593
<i>Fuel Oil:</i>	75,793	488	53,488	312
<i>Natural Gas:</i>	50,964	0	35,966	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Kevin Barnes, Solid Waste Division	Annette Given
Mailing Address:	4101 Truxtun Ave.	2700 M Street, Suite 500
Phone Number:	805-326-3114	805-862-8900
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Santa Cruz County	Annual Acceptance Rate (tons):	34,698
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1991
Alternative Landfill Name:	Ben Lomond LF	Design Capacity (tons):	
City:	Ben Lomond	Acres Currently Landfilled (acres):	24
County:	Santa Cruz	Average Depth (feet):	100
State:	CA	1994 Waste-in-Place (tons):	1,200,000
Year Open:	1942	1998 Waste-in-Place (tons):	1,200,000
Year Closed:	1991		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.20
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.6
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Potential
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	1	6
Current Capacity:		
Planned Capacity:		13

Utilities in County: Pacific Gas &amp; Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	1,151		2,313	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	24,169		48,565	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	4,736	30	3,466	32
<i>Fuel Oil:</i>	3,887	25	2,845	17
<i>Natural Gas:</i>	2,614	0	1,913	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Brian Kennedy	Brian Kennedy
Mailing Address:	701 Ocean Street, Room 410	701 Ocean Street, Rm 410
Phone Number:	408-454-2160	408-454-2160
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	20,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	5,530,894
City:	Blythe	Acres Currently Landfilled (acres):	78
County:	Riverside	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	3,864,000
Year Open:		1998 Waste-in-Place (tons):	3,936,367
Year Closed:	2033		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.73
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	2		23
Current Capacity:			
Planned Capacity:			

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,199		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	88,171		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	18,153	115	12,644	115
<i>Fuel Oil:</i>	14,899	96	10,377	61
<i>Natural Gas:</i>	10,019	0	6,978	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	County of San Diego	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	San Diego Co.	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION***Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Shutdown
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	San Diego Gas and Electric

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

*Estimated Potential Capacity:*

Current Capacity:

Planned Capacity:

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

Landfill Owner

Landfill Operator

Contact Name:

Mailing Address:

Phone Number:

Fax Number:

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Waste Management, Inc.	Annual Acceptance Rate (tons):	1,387,754
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Bradley LF	Design Capacity (tons):	18,896,221
City:	Los Angeles	Acres Currently Landfilled (acres):	168
County:	Los Angeles	Average Depth (feet):	250
State:	CA	1989 Waste-in-Place (tons):	12,660,533
Year Open:	1959	1998 Waste-in-Place (tons):	22,977,789
Year Closed:	1999		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	4.94
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Direct Thermal
Utilization System Start Year:	1981
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	15	154
Current Capacity:		73
Planned Capacity:		

Utilities in County: Azusa Light &amp; Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	28,555		13,490	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	599,647		283,298	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	121,549	768	85,988	782
<i>Fuel Oil:</i>	99,762	642	70,575	411
<i>Natural Gas:</i>	67,081	0	47,456	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Diana Nickles	
Mailing Address:	9081 Tujunga Avenue	P.O. Box 39
Phone Number:	818-767-6180	818-767-6180
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Waste Management Inc.	Annual Acceptance Rate (tons):	490,556
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Sun Valley	Acres Currently Landfilled (acres):	
County:	Los Angeles	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	1,471,668
Year Open:	1994	1998 Waste-in-Place (tons):	3,433,892
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.30
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1979		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		41
Current Capacity:			
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	7,495		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	157,387		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	32,360	205	22,569	205
<i>Fuel Oil:</i>	26,560	171	18,524	108
<i>Natural Gas:</i>	17,859	0	12,456	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dave Edwards	Dave Edwards
Mailing Address:	P.O. Box 39	PO Box 39
Phone Number:	818-252-3131	818-252-3131
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	County of Santa Cruz	Annual Acceptance Rate (tons):	90,788
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Buena Vista Drive SLF	Design Capacity (tons):	5,398,920
City:	Watsonville	Acres Currently Landfilled (acres):	57
County:	Santa Cruz	Average Depth (feet):	100
State:	CA	1991 Waste-in-Place (tons):	1,250,046
Year Open:	1966	1998 Waste-in-Place (tons):	1,924,910
Year Closed:	2016		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.88
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.4
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Planned
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	2000
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

<i>Estimated Potential Capacity:</i>	3	28
Current Capacity:		
Planned Capacity:	0.3	8

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,085		1,542	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	106,791		32,378	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	21,311	135	15,314	139
<i>Fuel Oil:</i>	17,491	113	12,569	73
<i>Natural Gas:</i>	11,761	0	8,451	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Patrick Mathews	
Mailing Address:	701 Ocean Street, Room 410	701 Ocean Street, Room 410
Phone Number:	408-454-2160	408-454-2160
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Burbank	Annual Acceptance Rate (tons):	50,649
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	6,898,620
City:	Burbank	Acres Currently Landfilled (acres):	
County:	Los Angeles	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:	2078		

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status: Shutdown

Utilization System Type: Reciprocating Engine

Utilization System Start Year: 1988

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s): Southern California Edison

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

<i>Estimated Potential Capacity:</i>		
Current Capacity:		
Planned Capacity:	.08	

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	124 South Lake Street	124 South Lake Street
Phone Number:	818-953-9622	818-953-9622
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	County of Los Angeles	Annual Acceptance Rate (tons):	928,081
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Agoura Hills	Acres Currently Landfilled (acres):	416
County:	Los Angeles	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:		<i>1998 Waste-in-Place (tons):</i>	
Year Closed:	2008		

**B. LANDFILL GAS COLLECTION***Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Planned
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	2000
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

*Estimated Potential Capacity:*

Current Capacity:

Planned Capacity:

10.0

Utilities in County: Azusa Light &amp; Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:		Ed Wheless, Division Engineer
Mailing Address:	500 West Temple Avenue	1955 Workman Mill Road
Phone Number:	213-974-1101	310-699-7411
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Sonoma County	Annual Acceptance Rate (tons):	435,960
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Sonoma County LF	Design Capacity (tons):	
City:	Petaluma	Acres Currently Landfilled (acres):	130
County:	Sonoma	Average Depth (feet):	100
State:	CA	1988 Waste-in-Place (tons):	9,575,690
Year Open:	1972	1998 Waste-in-Place (tons):	14,420,302
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	4.11
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.4
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1996		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	13		128
Current Capacity:	6.4		71
Planned Capacity:			

Utilities in County: Healdsburg Muni Elec Dept; Pacific Gas & Electric Company

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	23,741		13,105	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	498,567		275,205	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	101,027	639	71,494	651
<i>Fuel Oil:</i>	82,919	534	58,679	342
<i>Natural Gas:</i>	55,756	0	39,456	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Susan Klassen	Ken Wells
Mailing Address:	575 Administration Drive, 117A	2300 County Center Drive Room 216A
Phone Number:	707-527-2231	707-527-2231
Fax Number:		707-527-2620

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	318,731
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	24,207,259
City:	Fresno	Acres Currently Landfilled (acres):	75
County:	Fresno	Average Depth (feet):	333.5
State:	CA	Waste-in-Place (tons):	13,451,139
Year Open:		1998 Waste-in-Place (tons):	13,451,139
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.47
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Medium Btu		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	City of Fresno		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		46
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	8,506		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	178,622		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	36,307	230	25,614	233
<i>Fuel Oil:</i>	29,799	192	21,023	123
<i>Natural Gas:</i>	20,037	0	14,136	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	
Mailing Address:	757 N. Eldridge P.O. Box 3151	P.O. Box 9369
Phone Number:	281-870-7801	209-275-1551
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	USA Waste Services	Annual Acceptance Rate (tons):	528,101
Landfill Owner Type:	Public Corp.	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Valencia	Acres Currently Landfilled (acres):	227
County:	Los Angeles	Average Depth (feet):	100
State:	CA	1992 Waste-in-Place (tons):	6,434,424
Year Open:		1998 Waste-in-Place (tons):	9,803,824
Year Closed:	2019		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.19
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Planned
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1999
Electric Utility Provider(s):	Edison
Natural Gas Provider(s):	The S.C. Gas Company
Energy Purchaser(s):	TBD

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	37
Current Capacity:		
Planned Capacity:	3.0	

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	6,855		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	143,949		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	29,203	185	20,642	188
<i>Fuel Oil:</i>	23,969	154	16,942	99
<i>Natural Gas:</i>	16,117	0	11,392	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Sam Rojas	
Mailing Address:	29201 Henry Mayo Drive	29201 Henry Mayo Drive
Phone Number:	805-257-3655	805-257-3655
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City Garbage Company Inc	Annual Acceptance Rate (tons):	94,572
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	5,278,944
City:	Eureka	Acres Currently Landfilled (acres):	31
County:	Humboldt	Average Depth (feet):	100
State:	CA	1992 Waste-in-Place (tons):	1,260,000
Year Open:		1998 Waste-in-Place (tons):	1,988,414
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.22
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):	Pacific Gas & Energy (PG&E)		
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		7
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		1,244		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		26,118		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	5,525	35	3,745	34
<i>Fuel Oil:</i>	4,535	29	3,074	18
<i>Natural Gas:</i>	3,049	0	2,067	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Leggins	Mike Leggins
Mailing Address:	949 West Hawthorne Street	949 West Hawthorne Street
Phone Number:	707-442-5711	707-442-5711
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Lompoc	Annual Acceptance Rate (tons):	43,250
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	2,111,578
City:	Lompoc	Acres Currently Landfilled (acres):	45
County:	Santa Barbara	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	1,056,000
Year Open:		1998 Waste-in-Place (tons):	1,368,327
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.15
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		5
Current Capacity:			
Planned Capacity:			

Utilities in County: Lompoc Utility Services/Electrical; Pacific Gas & Electric Company; Southern California Edison Co;

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	856		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	17,974		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	3,946	25	2,577	24
<i>Fuel Oil:</i>	3,239	21	2,115	12
<i>Natural Gas:</i>	2,178	0	1,422	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	100 Civic Center Plaza	100 Civic Center Plaza
Phone Number:	805-736-1261	805-736-1261
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Santa Clara	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Santa Clara County LF	Design Capacity (tons):	
City:	Santa Clara	Acres Currently Landfilled (acres):	120
County:	Santa Clara	Average Depth (feet):	50
State:	CA	1994 Waste-in-Place (tons):	3,500,000
Year Open:	1965	1998 Waste-in-Place (tons):	3,500,000
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.23
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company (PG&E)		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	4		39
Current Capacity:	1.4		19
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	7,122		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	149,560		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	29,993	190	21,447	195
<i>Fuel Oil:</i>	24,617	159	17,602	103
<i>Natural Gas:</i>	16,553	0	11,836	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Rick Mauck, Acting Assistant Director of Public Works	
Mailing Address:	1500 Warburton Avenue	
Phone Number:	408-984-3151	
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City Of Santa Maria	Annual Acceptance Rate (tons):	115,013
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Santa Maria	Acres Currently Landfilled (acres):	
County:	Santa Barbara	Average Depth (feet):	
State:	CA	1990 Waste-in-Place (tons):	1,809,995
Year Open:		1998 Waste-in-Place (tons):	2,809,721
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.30
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Potential
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	1	10
Current Capacity:		
Planned Capacity:		

Utilities in County: Lompoc Utility Services/Electrical; Pacific Gas & Electric Company; Southern California Edison Co;

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	1,757		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	36,905		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	7,104	45	5,292	48
<i>Fuel Oil:</i>	5,830	38	4,344	25
<i>Natural Gas:</i>	3,920	0	2,921	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	110 East Cook Street	810 WEST CHURCH STREET
Phone Number:	805-925-0951	805-925-0951
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City Of Ukiah	Annual Acceptance Rate (tons):	46,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	2,219,556
City:	Ukiah	Acres Currently Landfilled (acres):	40
County:	Mendocino	Average Depth (feet):	80
State:	CA	1998 Waste-in-Place (tons):	2,200,000
Year Open:	1955	1998 Waste-in-Place (tons):	2,200,000
Year Closed:	2000		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.81
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):	P G & E		
Natural Gas Provider(s):	Pacific Gas and Electric (PG&E)		
Energy Purchaser(s):	PG & E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		25
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Ukiah Muni Electric Syst; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		4,686		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		98,414		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	19,732	125	14,113	128
<i>Fuel Oil:</i>	16,195	104	11,583	68
<i>Natural Gas:</i>	10,890	0	7,789	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Rick Kennedy	Rick Kennedy
Mailing Address:	300 Seminary Avenue	300 Seminary Avenue
Phone Number:	707-463-6280	707-463-6280
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	149,637
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	493,701
City:	Coachella	Acres Currently Landfilled (acres):	40
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	3,237,000
Year Open:	1972	1998 Waste-in-Place (tons):	3,237,000
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.25
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	0.8
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Planned
Utilization System Type:	Unknown
Utilization System Start Year:	2000
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	39
Current Capacity:		
Planned Capacity:		17

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	7,204		3,084	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	151,274		64,754	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	30,782	195	21,692	197
<i>Fuel Oil:</i>	25,264	163	17,804	104
<i>Natural Gas:</i>	16,988	0	11,972	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Ventura County	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Coastal LF (Oxnard Power Station)	Design Capacity (tons):	
City:	Oxnard	Acres Currently Landfilled (acres):	83
County:	Ventura	Average Depth (feet):	50
State:	CA	1994 Waste-in-Place (tons):	3,300,000
Year Open:	1982	1998 Waste-in-Place (tons):	3,300,000
Year Closed:	1989		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.26
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.8
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Shutdown
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1985
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	39
Current Capacity:		
Planned Capacity:	5.5	38

Utilities in County: Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>		7,297		6,938
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		153,229		145,696
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	30,782	195	21,973	200
<i>Fuel Oil:</i>	25,264	163	18,034	105
<i>Natural Gas:</i>	16,988	0	12,127	0

**E. CONTACT INFORMATION**

Landfill Owner

Landfill Operator

Contact Name:  
Mailing Address:  
Phone Number:  
Fax Number:

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Bernardino County	Annual Acceptance Rate (tons):	228,800
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Colton LF	Design Capacity (tons):	
City:	Colton	Acres Currently Landfilled (acres):	94
County:	San Bernardino	Average Depth (feet):	100
State:	CA	1998 Waste-in-Place (tons):	6,500,000
Year Open:	1965	1998 Waste-in-Place (tons):	6,500,000
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.93
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.8
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	California Portland Cement		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	6		60
Current Capacity:			
Planned Capacity:	2.5		38

Utilities in County: Colton Electric Util Dept; Needles, City of; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	11,155		6,938	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	234,253		145,696	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	47,357	299	33,592	306
<i>Fuel Oil:</i>	38,868	250	27,571	161
<i>Natural Gas:</i>	26,136	0	18,539	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Gerry Newcomb	
Mailing Address:	222 West Hospitality Lane 2nd Floor	222 West Hospitality Lane 2nd Floor
Phone Number:	909-381-2404	909-381-2404
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange CountyIWMD	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	29,994,001
City:	Irvine	Acres Currently Landfilled (acres):	653
County:	Orange	Average Depth (feet):	200
State:	CA	1998 Waste-in-Place (tons):	25,000,000
Year Open:	1963	1998 Waste-in-Place (tons):	25,000,000
Year Closed:	1990		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	5.63
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	7.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Steam Turbine		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	S-C-E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	18		176
Current Capacity:	12.0		146
Planned Capacity:			

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co; Wester

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	32,540		26,981	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	683,344		566,597	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	138,913	878	97,990	892
<i>Fuel Oil:</i>	114,013	734	80,426	469
<i>Natural Gas:</i>	76,664	0	54,080	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan, Manager	Suzanne McClanahan
Mailing Address:	320 North Flower Street Suite 400	320 North Flower Street Suite 400
Phone Number:	714-834-4114	714-834-4114
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Salinas	Annual Acceptance Rate (tons):	150,728
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Crazy Horse Canyon LF	Design Capacity (tons):	2,819,436
City:	Prunedale	Acres Currently Landfilled (acres):	74
County:	Monterey	Average Depth (feet):	
State:	CA	1989 Waste-in-Place (tons):	1,855,351
Year Open:	1960	1998 Waste-in-Place (tons):	3,200,145
Year Closed:	2002		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.06
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		33
Current Capacity:	1.4		21
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	6,153		3,854	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	129,207		80,942	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	26,046	165	18,528	169
<i>Fuel Oil:</i>	21,378	138	15,207	89
<i>Natural Gas:</i>	14,375	0	10,225	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	John Fair	
Mailing Address:	200 Lincoln Avenue	1120 Madison Lane
Phone Number:	408-758-7106	408-758-7106
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	East Bay Regional Parks District	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	San Leandro	Acres Currently Landfilled (acres):	100
County:	Alameda	Average Depth (feet):	50
State:	CA	Waste-in-Place (tons):	
Year Open:	1971	1998 Waste-in-Place (tons):	4,839,022
Year Closed:	1984		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.66
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.8
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	1984		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		52
Current Capacity:			38
Planned Capacity:			

Utilities in County: Alameda Bureau of Electricity; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	9,573		6,938	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	201,023		145,696	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	41,042	259	28,826	262
<i>Fuel Oil:</i>	33,686	217	23,659	138
<i>Natural Gas:</i>	22,651	0	15,909	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Jack Isola	
Mailing Address:	2615 Davis Street	172 98th Avenue
Phone Number:	510-638-2303	510-430-8509
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	River County	Annual Acceptance Rate (tons):	42,245
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	2,057,588
City:	Winchester	Acres Currently Landfilled (acres):	5.8
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	1,977,463
Year Open:	1973	1998 Waste-in-Place (tons):	1,977,463
Year Closed:	1995		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.92
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	0.4
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		29
Current Capacity:	0.7		8
Planned Capacity:			

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,341		1,542	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	112,159		32,378	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	22,889	145	16,083	146
<i>Fuel Oil:</i>	18,786	121	13,201	77
<i>Natural Gas:</i>	12,632	0	8,876	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Duarte	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Duarte	Acres Currently Landfilled (acres):	33
County:	Los Angeles	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	1,600,000
Year Open:	1969	1998 Waste-in-Place (tons):	1,600,000
Year Closed:	1976		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.83
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.3
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1987		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:	1.6		6

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,783		1,156	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	100,437		24,282	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	20,521	130	14,403	131
<i>Fuel Oil:</i>	16,843	108	11,821	69
<i>Natural Gas:</i>	11,325	0	7,949	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Douglas Ruff	
Mailing Address:	1000 Las Lomas	
Phone Number:	626-357-7931	
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	300,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Cathedral City	Acres Currently Landfilled (acres):	
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	4,316,700
Year Open:	1967	1998 Waste-in-Place (tons):	4,316,700
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.49
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		47
Current Capacity:			
Planned Capacity:			

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	8,594		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	180,478		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	36,307	230	25,880	236
<i>Fuel Oil:</i>	29,799	192	21,241	124
<i>Natural Gas:</i>	20,037	0	14,283	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	USA Waste Services Inc	Annual Acceptance Rate (tons):	572,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Corona	Acres Currently Landfilled (acres):	96
County:	Riverside	Average Depth (feet):	60
State:	CA	1998 Waste-in-Place (tons):	8,280,000
Year Open:	1986	1998 Waste-in-Place (tons):	8,280,000
Year Closed:	2012		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.54
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	1.3
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Hydro Conduit, 2 - Brick Kilns, CoGeneratio		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		79
Current Capacity:			
Planned Capacity:			27

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>		14,661		5,011
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		307,881		105,225
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	62,353	394	44,150	402
<i>Fuel Oil:</i>	51,176	329	36,236	211
<i>Natural Gas:</i>	34,412	0	24,366	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ray Grier	Ray Grier
Mailing Address:	10910 Danson Canyon Road	10910 Dawson Road
Phone Number:	909/277-1740	909-277-1740
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Joaquin County	Annual Acceptance Rate (tons):	139,987
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	42,399,520
City:	Bellota	Acres Currently Landfilled (acres):	
County:	San Joaquin	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	3,766,595
Year Open:		1998 Waste-in-Place (tons):	4,772,628
Year Closed:	2075		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.79
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		25
Current Capacity:			
Planned Capacity:			

Utilities in County: Lodi Muni Elec Syst; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,577		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	96,121		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	19,732	125	13,784	125
<i>Fuel Oil:</i>	16,195	104	11,313	66
<i>Natural Gas:</i>	10,890	0	7,607	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Wes Johnson	Tom Horton
Mailing Address:	445 North San Joaquin Street P.O. Box 1810	445 North San Joaquin Street P.O. Box 1810
Phone Number:	209-468-3066	209-468-3066
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange County	Annual Acceptance Rate (tons):	2,006,290
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Bee Canyon SLF	Design Capacity (tons):	72,000,000
City:	Irvine	Acres Currently Landfilled (acres):	326
County:	Orange	Average Depth (feet):	260
State:	CA	1998 Waste-in-Place (tons):	12,900,000
Year Open:	1990	1998 Waste-in-Place (tons):	12,900,000
Year Closed:	2024		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.72
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Special - Vehicle Fuel		
Utilization System Start Year:	1999		
Electric Utility Provider(s):	Southern California Edison (SCE)		
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		116
Current Capacity:			
Planned Capacity:			19

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co; Wester

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	21,493		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	451,353		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	91,556	579	64,723	589
<i>Fuel Oil:</i>	75,145	484	53,122	310
<i>Natural Gas:</i>	50,529	0	35,720	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan, Manager	Suzanne McClanahan, Manager
Mailing Address:	320 North Flower Street Suite 400	320 North Flower Street Suite 400
Phone Number:	714-834-4114	714-834-4114
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange County	Annual Acceptance Rate (tons):	2,006,290
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Bee Canyon SLF	Design Capacity (tons):	
City:	Irvine	Acres Currently Landfilled (acres):	326
County:	Orange	Average Depth (feet):	260
State:	CA	1998 Waste-in-Place (tons):	12,900,000
Year Open:	1990	1998 Waste-in-Place (tons):	12,900,000
Year Closed:	2024		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.72
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Special		
Utilization System Start Year:	1999		
Electric Utility Provider(s):	Southern California Edison (SCE)		
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		116
Current Capacity:			
Planned Capacity:			19

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co; Wester

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	21,493		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	451,353		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	91,556	579	64,723	589
<i>Fuel Oil:</i>	75,145	484	53,122	310
<i>Natural Gas:</i>	50,529	0	35,720	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan, Manager	Suzanne McClanahan, Manager
Mailing Address:	320 North Flower Street Suite 400	320 North Flower Street Suite 400
Phone Number:	714-834-4114	714-834-4114
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Guadalupe Rubbish Disposal Company	Annual Acceptance Rate (tons):	180,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Guadalupe Landfill	Design Capacity (tons):	
City:	San Jose	Acres Currently Landfilled (acres):	115
County:	Santa Clara	Average Depth (feet):	100
State:	CA	1998 Waste-in-Place (tons):	5,500,000
Year Open:	1929	1998 Waste-in-Place (tons):	5,500,000
Year Closed:	2020		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.03
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1984		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		32
Current Capacity:	2.5		31
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,953		5,782	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	125,011		121,414	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	25,257	160	17,926	163
<i>Fuel Oil:</i>	20,730	133	14,713	86
<i>Natural Gas:</i>	13,939	0	9,893	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	, General Manager	Jim Lord
Mailing Address:	P.O. Box 20957	P.O. Box 20957
Phone Number:	408-268-1670	408-268-1670
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Kings County WM Authority	Annual Acceptance Rate (tons):	85,952
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Hanford Inert LF (City of Hanford LF)	Design Capacity (tons):	1,709,658
City:	Hanford	Acres Currently Landfilled (acres):	76.9
County:	Kings	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	1,668,000
Year Open:		1998 Waste-in-Place (tons):	2,255,090
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.24
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		8
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>		1,411		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		29,621		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	6,314	40	4,248	39
<i>Fuel Oil:</i>	5,182	33	3,486	20
<i>Natural Gas:</i>	3,485	0	2,344	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Adams	Mike Adams
Mailing Address:	7803 Hanford - Armona Road	7803 Hanford - Armona Road
Phone Number:	209-583-8829	209-583-8829
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County WMD	Annual Acceptance Rate (tons):	205,811
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	5,242,951
City:	Highgrove	Acres Currently Landfilled (acres):	
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	3,493,000
Year Open:	1947	1998 Waste-in-Place (tons):	3,493,000
Year Closed:	1998		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.94
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Construction
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1999
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	S-C-E

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	30
Current Capacity:		
Planned Capacity:	1.6	19

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,455		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	114,557		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	22,889	145	16,427	150
<i>Fuel Oil:</i>	18,786	121	13,483	79
<i>Natural Gas:</i>	12,632	0	9,066	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Industry	Annual Acceptance Rate (tons):	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Industry Hills Recreation/Convention Cente	Design Capacity (tons):	
City:	Industry Hills	Acres Currently Landfilled (acres):	150
County:	Los Angeles	Average Depth (feet):	120
State:	CA	1994 Waste-in-Place (tons):	1,500,000
Year Open:		1998 Waste-in-Place (tons):	1,500,000
Year Closed:	1977		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.06
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Boiler
Utilization System Start Year:	1981
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	0	2
Current Capacity:		10
Planned Capacity:		

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>		358		1,927
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		7,522		40,471
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	1,579	10	1,079	10
<i>Fuel Oil:</i>	1,296	8	885	5
<i>Natural Gas:</i>	871	0	595	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	169,899
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	38,392,322
City:	Pittsburg	Acres Currently Landfilled (acres):	
County:	Contra Costa	Average Depth (feet):	
State:	CA	1992 Waste-in-Place (tons):	15,360,000
Year Open:		1998 Waste-in-Place (tons):	15,640,417
Year Closed:	2032		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.64
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		51
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	9,497		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	199,435		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	40,253	254	28,599	260
<i>Fuel Oil:</i>	33,038	213	23,473	137
<i>Natural Gas:</i>	22,215	0	15,783	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Eric Horton	Fred Hunziker
Mailing Address:	901 Bailey Road	901 Bailey Road
Phone Number:	925-458-9800	925-458-9800
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	150,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	2,704,513
City:	Beaumont	Acres Currently Landfilled (acres):	62.7
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	2,279,000
Year Open:	1970	1998 Waste-in-Place (tons):	2,279,000
Year Closed:	2024		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.00
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Planned
Utilization System Type:	Unknown
Utilization System Start Year:	2000
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	31
Current Capacity:		
Planned Capacity:		

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	5,787		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	121,523		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	24,468	155	17,426	159
<i>Fuel Oil:</i>	20,082	129	14,303	83
<i>Natural Gas:</i>	13,503	0	9,617	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Los Angeles	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	12,980,000
City:	San Fernando	Acres Currently Landfilled (acres):	146
County:	Los Angeles	Average Depth (feet):	200
State:	CA	1998 Waste-in-Place (tons):	19,200,000
Year Open:	1975	1998 Waste-in-Place (tons):	19,200,000
Year Closed:	1996		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	5.33
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	8.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison/LA Dept. of Wat		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	17		167
Current Capacity:			
Planned Capacity:	12.0		167

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	30,809		30,835	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	646,997		647,539	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	131,809	833	92,778	844
<i>Fuel Oil:</i>	108,183	696	76,148	444
<i>Natural Gas:</i>	72,744	0	51,203	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Kelley Gharios, Assitant Division Manager	Ken Reed, Site Engineer
Mailing Address:	419 S. Spring Street Suite 800	11950 Lopez Canyon
Phone Number:	213-893-8209	818-834-5111
Fax Number:		



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Co.Of Nevada, Dept. Of San. & Trans.	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	5,709,126
City:	Grass Valley	Acres Currently Landfilled (acres):	60
County:	Nevada	Average Depth (feet):	
State:	CA	1990 Waste-in-Place (tons):	2,182,268
Year Open:		1998 Waste-in-Place (tons):	2,341,406
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.25
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		8
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Truckee-Donner Pub Util Dist; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		1,465		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		30,755		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	6,314	40	4,410	40
<i>Fuel Oil:</i>	5,182	33	3,620	21
<i>Natural Gas:</i>	3,485	0	2,434	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	WendellN.A. Metchu	Wendell Metchu
Mailing Address:	P.O. Box 6100	950 Maidu Avenue
Phone Number:	916-672-1245	916-672-1245
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	County Of Kern-Truxtun Av	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	1,565,087
City:	Delano	Acres Currently Landfilled (acres):	37
County:	Kern	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	1,071,000
Year Open:	1971	1998 Waste-in-Place (tons):	1,071,000
Year Closed:	1992		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.69
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		22
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		4,000		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		84,008		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	17,364	110	12,047	110
<i>Fuel Oil:</i>	14,252	92	9,887	58
<i>Natural Gas:</i>	9,583	0	6,648	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	2700 M Street Suite 500	2700 M Street Suite 500
Phone Number:	805-861-2159	805-862-8900
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Riverside County	Annual Acceptance Rate (tons):	175,119
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	3,479,304
City:	Perris	Acres Currently Landfilled (acres):	
County:	Riverside	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	2,312,000
Year Open:	1974	1998 Waste-in-Place (tons):	2,312,000
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.01
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	0.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	32
Current Capacity:	1.1	10
Planned Capacity:		

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,836		1,927	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	122,548		40,471	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	25,257	160	17,573	160
<i>Fuel Oil:</i>	20,730	133	14,423	84
<i>Natural Gas:</i>	13,939	0	9,698	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
Mailing Address:	1995 Market Street	1995 Market Street
Phone Number:	909-955-1370	909-955-1370
Fax Number:		909-955-1374

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Menlo Park	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Marsh Road LF	Design Capacity (tons):	
City:	Menlo Park	Acres Currently Landfilled (acres):	160
County:	San Mateo	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	5,000,000
Year Open:	1961	1998 Waste-in-Place (tons):	5,000,000
Year Closed:	1985		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.32
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1983
Electric Utility Provider(s):	Pacific Gas and Electric Company (PG&E)
Natural Gas Provider(s):	Pacific Gas and Electric Company (PG&E)
Energy Purchaser(s):	Pacific Gas & Electric Company

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	41
Current Capacity:	2.0	31
Planned Capacity:		

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	7,654		5,782	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	160,734		121,414	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	32,360	205	23,049	210
<i>Fuel Oil:</i>	26,560	171	18,918	110
<i>Natural Gas:</i>	17,859	0	12,721	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ruben Nino, Director of Engineering Services	Ruben Nino, Director of Engineering Services
Mailing Address:	701 Laurel Street	701 Laurel Street
Phone Number:	650-363-4100	605-858-3421
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Bernardino County	Annual Acceptance Rate (tons):	271,700
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Fontana Refuse Disposal Site	Design Capacity (tons):	
City:	Rialto	Acres Currently Landfilled (acres):	410
County:	San Bernardino	Average Depth (feet):	300
State:	CA	1998 Waste-in-Place (tons):	51,000,000
Year Open:	1958	1998 Waste-in-Place (tons):	51,000,000
Year Closed:	2030		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	10.20
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.3
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Direct Thermal		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	California Steel, MidValley Assoc. (Quarry O		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	32		319
Current Capacity:			
Planned Capacity:			27

Utilities in County: Colton Electric Util Dept; Needles, City of; Southern California Edison Co; Western Area Power Adm

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	58,980		5,011	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	1,238,588		105,225	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	251,779	1,591	177,612	1,616
<i>Fuel Oil:</i>	206,649	1,330	145,776	850
<i>Natural Gas:</i>	138,954	0	98,021	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Gerry Newcomb	Bob Bradford
Mailing Address:	222 West Hospitality Lane 2nd Floor	222 West Hospitality Land 2nd Floor
Phone Number:	909-386-8701	909-386-8700
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Bernardino County	Annual Acceptance Rate (tons):	343,200
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Ontario	Acres Currently Landfilled (acres):	116
County:	San Bernardino	Average Depth (feet):	200
State:	CA	1998 Waste-in-Place (tons):	16,000,000
Year Open:	1956	1998 Waste-in-Place (tons):	16,000,000
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.34
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	2.1
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Leachate option, TimCo Aluminum (3 miles)		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	10		104
Current Capacity:			
Planned Capacity:	5		44

Utilities in County: Colton Electric Util Dept; Needles, City of; Southern California Edison Co; Western Area Power Adm

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	19,317		8,094	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	405,659		169,978	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	82,085	519	58,171	529
<i>Fuel Oil:</i>	67,371	434	47,744	278
<i>Natural Gas:</i>	45,302	0	32,104	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Jerry Newcomb	Carrie Hyke
Mailing Address:	222 West Hospitality Lane 2nd Floor	222 West Hospitality Lane 2nd Floor
Phone Number:	909-386-8722	909-381-2404
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of San Diego	Annual Acceptance Rate (tons):	1,400,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Miramar SLF	Design Capacity (tons):	
City:	San Diego	Acres Currently Landfilled (acres):	935
County:	San Diego	Average Depth (feet):	50
State:	CA	1998 Waste-in-Place (tons):	29,000,000
Year Open:	1959	1998 Waste-in-Place (tons):	29,000,000
Year Closed:	2011		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	6.12
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	6.5
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Cogeneration		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	SDG&E		

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	19		191
Current Capacity:	7.0		135
Planned Capacity:			

Utilities in County: San Diego Gas & Electric Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	35,405		25,054	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	743,507		526,126	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	150,752	953	106,618	970
<i>Fuel Oil:</i>	123,730	796	87,507	510
<i>Natural Gas:</i>	83,198	0	58,841	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Robert Epler, Assistant Director	Robert Epler, Assistant Director
Mailing Address:	9601 Ridgehaven Court Suite 210	9601 Ridgehaven Court Suite 201
Phone Number:	619-492-5025	619-492-5025
Fax Number:		619-492-5021

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of San Diego	Annual Acceptance Rate (tons):	1,400,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	San Diego	Acres Currently Landfilled (acres):	935
County:	San Diego	Average Depth (feet):	50
State:	CA	1998 Waste-in-Place (tons):	29,000,000
Year Open:	1959	1998 Waste-in-Place (tons):	29,000,000
Year Closed:	2011		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	6.12
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	SDG&E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	19		191
Current Capacity:			
Planned Capacity:	4.0		

Utilities in County: San Diego Gas & Electric Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	35,405		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	743,507		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	150,752	953	106,618	970
<i>Fuel Oil:</i>	123,730	796	87,507	510
<i>Natural Gas:</i>	83,198	0	58,841	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Robert Epler, Assistant Director	Robert Epler, Assistant Director
Mailing Address:	9601 Ridgehaven Court Suite 210	9601 Ridgehaven Court Suite 201
Phone Number:	619-492-5025	619-492-5025
Fax Number:		619-492-5021

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Monterey Regional Waste Management Dist	Annual Acceptance Rate (tons):	217,528
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Marina LF; Monterey R.W.M.D. LF	Design Capacity (tons):	
City:	Marina	Acres Currently Landfilled (acres):	478
County:	Monterey	Average Depth (feet):	105
State:	CA	1998 Waste-in-Place (tons):	5,500,000
Year Open:	1966	1998 Waste-in-Place (tons):	5,500,000
Year Closed:	2090		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.74
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.6
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1983		
Electric Utility Provider(s):	Pacific Gas & Electric Company (PG&E)		
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	5		54
Current Capacity:	2.8		13
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	10,042		2,313	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	210,876		48,565	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	42,621	269	30,239	275
<i>Fuel Oil:</i>	34,981	225	24,819	145
<i>Natural Gas:</i>	23,522	0	16,689	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	William Merry, District Engineer	William Merry, District Engineer
Mailing Address:	Box 609	P.O. Box 609
Phone Number:	408-384-5313	408-384-5313
Fax Number:		408-384-3567

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Mountain View	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Actually 3 LFs:544 Acre, Vista, Crittenden	Design Capacity (tons):	
City:	Mountain View	Acres Currently Landfilled (acres):	460
County:	Santa Clara	Average Depth (feet):	30
State:	CA	1998 Waste-in-Place (tons):	12,700,000
Year Open:	1968	1998 Waste-in-Place (tons):	12,700,000
Year Closed:	1989		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.67
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	2.2
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	12		115
Current Capacity:			
Planned Capacity:	3.5		46

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	21,197		8,480	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	445,143		178,074	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	90,767	574	63,833	581
<i>Fuel Oil:</i>	74,497	480	52,391	305
<i>Natural Gas:</i>	50,093	0	35,228	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Amy Kiernan, Public Services Department	
Mailing Address:	231 North Whisman Road	
Phone Number:	650-903-6079	
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Barclay Hollander/American Golf Corp.	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Los Angeles	Acres Currently Landfilled (acres):	200
County:	Los Angeles	Average Depth (feet):	150
State:	CA	Waste-in-Place (tons):	
Year Open:	1972	1998 Waste-in-Place (tons):	29,034,133
Year Closed:	1984		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	7.84
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	5.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Boiler		
Utilization System Start Year:	1984		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	UCLA (Westwood)		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	25		245
Current Capacity:			104
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	45,352		19,272	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	952,394		404,712	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	193,373	1,222	136,572	1,243
<i>Fuel Oil:</i>	158,712	1,022	112,092	653
<i>Natural Gas:</i>	106,720	0	75,372	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Barclay Hollander/American Golf Corp.	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Los Angeles	Acres Currently Landfilled (acres):	200
County:	Los Angeles	Average Depth (feet):	150
State:	CA	1998 Waste-in-Place (tons):	10,000,000
Year Open:	1972	1998 Waste-in-Place (tons):	10,000,000
Year Closed:	1984		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.98
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	4.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Steam Turbine		
Utilization System Start Year:	1994		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	UCLA (Westwood)		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	9	93
Current Capacity:		83
Planned Capacity:		

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	17,205		15,418	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	361,295		323,770	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	73,403	464	51,809	471
<i>Fuel Oil:</i>	60,246	388	42,523	248
<i>Natural Gas:</i>	40,510	0	28,593	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	849,436
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	19,046,191
City:	Milpitas	Acres Currently Landfilled (acres):	342
County:	Santa Clara	Average Depth (feet):	72
State:	CA	1998 Waste-in-Place (tons):	3,650,280
Year Open:	1932	1998 Waste-in-Place (tons):	3,650,280
Year Closed:	2016		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.84
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1989		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas and Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:	4.2		63
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,870		11,563	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	102,276		242,827	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	20,521	130	14,666	133
<i>Fuel Oil:</i>	16,843	108	12,037	70
<i>Natural Gas:</i>	11,325	0	8,094	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	
Mailing Address:	757 N. Eldridge P.O. Box 3151	1601 Dixon Landing Road
Phone Number:	281-870-7801	408-262-1401
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	849,436
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Milpitas	Acres Currently Landfilled (acres):	342
County:	Santa Clara	Average Depth (feet):	72
State:	CA	1998 Waste-in-Place (tons):	3,650,280
Year Open:	1932	1998 Waste-in-Place (tons):	3,650,280
Year Closed:	2016		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.84
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	3.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas and Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		26
Current Capacity:			
Planned Capacity:	4.2		63

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,870		11,563	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	102,276		242,827	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	20,521	130	14,666	133
<i>Fuel Oil:</i>	16,843	108	12,037	70
<i>Natural Gas:</i>	11,325	0	8,094	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	Bill, Schreeder
Mailing Address:	757 N. Eldridge P.O. Box 3151	1601 Dixon Landing Road
Phone Number:	281-870-7801	408-262-1401
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange County IWMD	Annual Acceptance Rate (tons):	2,002,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Olinda SLF	Design Capacity (tons):	
City:	Brea	Acres Currently Landfilled (acres):	420
County:	Orange	Average Depth (feet):	175
State:	CA	1998 Waste-in-Place (tons):	32,981,156
Year Open:	1960	1998 Waste-in-Place (tons):	32,981,156
Year Closed:	2013		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	7.08
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1984		
Electric Utility Provider(s):	Southern California Edison		
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co;		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	22		221
Current Capacity:	5.7		63
Planned Capacity:			

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co; Wester

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	40,921		11,563	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	859,341		242,827	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	174,430	1,103	123,228	1,121
<i>Fuel Oil:</i>	143,164	922	101,140	589
<i>Natural Gas:</i>	96,266	0	68,008	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan, Manager	Suzanne McClanahan, Manager
Mailing Address:	320 North Flower Street Suite 400	320 North Flower Street Suite 400
Phone Number:	714-834-4114	714-834-4114
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Allied Waste	Annual Acceptance Rate (tons):	860,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Otay Annex LF	Design Capacity (tons):	21,595,681
City:	Chula Vista	Acres Currently Landfilled (acres):	185
County:	San Diego	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	8,099,138
Year Open:	1963	1998 Waste-in-Place (tons):	10,070,873
Year Closed:	2010		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.63
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	2.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	8		82
Current Capacity:	3.7		42
Planned Capacity:			

Utilities in County: San Diego Gas & Electric Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	15,182		7,709	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	318,818		161,885	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	64,721	409	45,718	416
<i>Fuel Oil:</i>	53,120	342	37,523	219
<i>Natural Gas:</i>	35,719	0	25,231	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Kaiser	
Mailing Address:	7297 Ronson Road Suite G	4950 Otay Valley Road
Phone Number:	619-541-2570	619-694-2227
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI of California, Inc.	Annual Acceptance Rate (tons):	850,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	22,735,453
City:	Half Moon Bay	Acres Currently Landfilled (acres):	173
County:	San Mateo	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	9,128,242
Year Open:	1976	1998 Waste-in-Place (tons):	9,128,242
Year Closed:	2010		

**B. LANDFILL GAS COLLECTION**

<i>Estimated Methane Generation (mmscf/d):</i>	2.75
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	9		86
Current Capacity:			
Planned Capacity:	10		

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	15,915		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	334,223		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	67,878	429	47,927	436
<i>Fuel Oil:</i>	55,711	359	39,336	229
<i>Natural Gas:</i>	37,461	0	26,450	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Jim Gunderson	Jim Gunderson
Mailing Address:	12310 San Mateo Road	12310 San Mateo Road
Phone Number:	650-726-1819	650-726-1819
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Palo Alto	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Palo Alto	Acres Currently Landfilled (acres):	137
County:	Santa Clara	Average Depth (feet):	45
State:	CA	1994 Waste-in-Place (tons):	2,700,000
Year Open:	1954	1998 Waste-in-Place (tons):	2,700,000
Year Closed:	2023		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.89
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1990		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Gas & Electric Company		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		28
Current Capacity:	1.0		19
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,139		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	107,919		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	22,100	140	15,475	141
<i>Fuel Oil:</i>	18,139	117	12,701	74
<i>Natural Gas:</i>	12,197	0	8,541	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Clark Akatiff	Michael Miller
Mailing Address:	P.O. Box 10250	PO Box 10250
Phone Number:	650-496-6980	650-496-6980
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	LA County Sanitation District	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Rolling Hills Estates	Acres Currently Landfilled (acres):	291
County:	Los Angeles	Average Depth (feet):	150
State:	CA	1998 Waste-in-Place (tons):	23,000,000
Year Open:	1957	1998 Waste-in-Place (tons):	23,000,000
Year Closed:	1980		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	3.49
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1988		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	11	109
Current Capacity:	9.0	
Planned Capacity:		

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	20,162		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	423,404		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	86,031	544	60,716	553
<i>Fuel Oil:</i>	70,610	455	49,833	290
<i>Natural Gas:</i>	47,479	0	33,508	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ed Wheless, Division Engineer	John Cosulich, Supervising Engineer
Mailing Address:	1995 Workman Mill Road	1995 Workman Mill Road
Phone Number:	310-699-7411	310-699-7411
Fax Number:		310-699-2941

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Sun Valley	Acres Currently Landfilled (acres):	72
County:	Los Angeles	Average Depth (feet):	200
State:	CA	1994 Waste-in-Place (tons):	9,000,000
Year Open:	1960	1998 Waste-in-Place (tons):	9,000,000
Year Closed:	1983		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.92
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	6		60
Current Capacity:	9.3		63
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	11,097		11,563	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	233,027		242,827	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	47,357	299	33,416	304
<i>Fuel Oil:</i>	38,868	250	27,426	160
<i>Natural Gas:</i>	26,136	0	18,442	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Potrero Hills Landfill, Inc.	Annual Acceptance Rate (tons):	370,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	10,917,816
City:	Fairfield	Acres Currently Landfilled (acres):	320
County:	Solano	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	2,538,000
Year Open:		1998 Waste-in-Place (tons):	2,538,000
Year Closed:	2016		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.27
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		9
Current Capacity:			
Planned Capacity:	3.0		

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	1,588		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	33,338		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	7,104	45	4,781	44
<i>Fuel Oil:</i>	5,830	38	3,924	23
<i>Natural Gas:</i>	3,920	0	2,638	0

**E. CONTACT INFORMATION**

Landfill Owner		Landfill Operator
Contact Name:	Gary Ponder	
Mailing Address:	3260 Bloom Drive Suite 210	P.O. Box 68
Phone Number:	510-620-0133	707-429-9600
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange County I.W.M.	Annual Acceptance Rate (tons):	1,144,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	48,590,282
City:	San Juan Capistrano	Acres Currently Landfilled (acres):	800
County:	Orange	Average Depth (feet):	150
State:	CA	1998 Waste-in-Place (tons):	9,624,488
Year Open:	1976	1998 Waste-in-Place (tons):	9,624,488
Year Closed:	2040		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.88
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	2.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Construction
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1998
Electric Utility Provider(s):	SDG&E
Natural Gas Provider(s):	
Energy Purchaser(s):	SDG&E(San Diego Gas & Electric)

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	9	90
Current Capacity:		
Planned Capacity:	6.0	42

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	16,649		7,709	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	349,633		161,885	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	71,035	449	50,137	456
<i>Fuel Oil:</i>	58,302	375	41,150	240
<i>Natural Gas:</i>	39,203	0	27,670	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan	Suzanne McClanahan, Manager
Mailing Address:	320 North Flower Street Suite 400	320 North Flower Street Suite 400
Phone Number:	714-834-4114	714-834-4114
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	LA County Sanitation District	Annual Acceptance Rate (tons):	3,400,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Whittier	Acres Currently Landfilled (acres):	1365
County:	Los Angeles	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:	1957	1998 Waste-in-Place (tons):	
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.4
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Vehicle Fuel
Utilization System Start Year:	1993
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	L.A. County Sanitation Districts

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			8
Current Capacity:			
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ed Wheless, Division Engineer	John Consulich, Supervising Engineer
Mailing Address:	1955 Workman Mill Road P.O. Box 4998	1995 Workman Mill Road
Phone Number:	310-699-7411	310-699-7411
Fax Number:		310-692-2941

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	LA County Sanitation District	Annual Acceptance Rate (tons):	3,400,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Whittier	Acres Currently Landfilled (acres):	1365
County:	Los Angeles	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:	1957	1998 Waste-in-Place (tons):	
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	5.3
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Gas Turbine
Utilization System Start Year:	1983
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	Southern California Edison Co

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:	4.0		110
Planned Capacity:			

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ed Wheless, Division Engineer	John Cosulich, Supervising Engineer
Mailing Address:	1955 Workman Mill Road P.O. Box 4998	1995 Workman Mill Road
Phone Number:	310-699-7411	310-699-7411
Fax Number:		310-692-2941

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	LA County Sanitation District	Annual Acceptance Rate (tons):	3,400,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Whittier	Acres Currently Landfilled (acres):	1365
County:	Los Angeles	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:	1957	1998 Waste-in-Place (tons):	
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.4
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Boiler
Utilization System Start Year:	1984
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	Rio Hondo College

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

<i>Estimated Potential Capacity:</i>		
Current Capacity:		8
Planned Capacity:		

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ed Wheless, Division Engineer	John Consulich, Supervising Engineer
Mailing Address:	1995 Workman Mill Road P.O. Box 4998	1995 Workman Mill Road
Phone Number:	310-699-7411	310-699-7411
Fax Number:		310-692-2941

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	LA County Sanitation District	Annual Acceptance Rate (tons):	3,414,940
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Puente Hills (PERG)	Design Capacity (tons):	
City:	Whittier	Acres Currently Landfilled (acres):	1365
County:	Los Angeles	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	62,500,000
Year Open:	1957	1998 Waste-in-Place (tons):	62,500,000
Year Closed:	2003		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	12.12
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	32.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:	
Utilization System Status:	Operational
Utilization System Type:	Steam Turbine
Utilization System Start Year:	1986
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	Southern California Edison Co

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	38		379
Current Capacity:	50.0		667
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	70,044		123,341	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	1,470,930		2,590,157	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	299,136	1,891	210,929	1,919
<i>Fuel Oil:</i>	245,517	1,580	173,121	1,009
<i>Natural Gas:</i>	165,089	0	116,409	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ed Wheless, Division Engineer	John Consulich, Supervising Engineer
Mailing Address:	1955 Workman Mill Road P.O. Box 4998	1995 Workman Mill Road
Phone Number:	310-699-7411	310-699-7411
Fax Number:		310-692-2941

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Diego County	Annual Acceptance Rate (tons):	29,621
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	403,719
City:	Ramona	Acres Currently Landfilled (acres):	
County:	San Diego	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	343,200
Year Open:		1998 Waste-in-Place (tons):	606,933
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.07
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	0		2
Current Capacity:			
Planned Capacity:			

Utilities in County: San Diego Gas & Electric Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>		380		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		7,972		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	1,579	10	1,143	10
<i>Fuel Oil:</i>	1,296	8	938	6
<i>Natural Gas:</i>	871	0	631	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Shelita Weinfield, Project Manager	Shelita Weinfield, Project Manager
Mailing Address:	5555 Overland Avenue MS-0383	5555 Overland Avenue
Phone Number:	619-694-2117	619-694-2117
Fax Number:		619-694-2196

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Kern County	Annual Acceptance Rate (tons):	42,276
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	3,593,281
City:	Ridgecrest	Acres Currently Landfilled (acres):	121.1
County:	Kern	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	1,300,000
Year Open:	1969	1998 Waste-in-Place (tons):	1,300,000
Year Closed:	2004		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.75
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	2		24
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		4,339		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		91,121		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	18,153	115	13,067	119
<i>Fuel Oil:</i>	14,899	96	10,724	63
<i>Natural Gas:</i>	10,019	0	7,211	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Greg Pope	Doug Landon
Mailing Address:	2700 M Street Suite 500	2700 M Street Suite 500
Phone Number:	805-862-8900	805-862-8936
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Sacramento	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	28th Street Landfill	Design Capacity (tons):	524,895
City:	Sacramento	Acres Currently Landfilled (acres):	107
County:	Sacramento	Average Depth (feet):	80
State:	CA	1998 Waste-in-Place (tons):	3,900,000
Year Open:	1986	1998 Waste-in-Place (tons):	3,900,000
Year Closed:	1994		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.42
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.2
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Direct Thermal
Utilization System Start Year:	1998
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	4	44
Current Capacity:		25
Planned Capacity:		

Utilities in County: Pacific Gas & Electric Company; Sacramento Muni Util Dist; San Diego Gas & Electric Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	8,184		4,625	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	171,862		97,131	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	34,728	220	24,645	224
<i>Fuel Oil:</i>	28,503	184	20,227	118
<i>Natural Gas:</i>	19,166	0	13,601	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	John Oleson	John Oleson
Mailing Address:	921 10th Street, Room 500	921 10th Street, Room 500
Phone Number:	916-264-7132	916-264-7132
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Sacramento County	Annual Acceptance Rate (tons):	1,022,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Keifer Boulevard LF	Design Capacity (tons):	35,992,801
City:	Sacramento	Acres Currently Landfilled (acres):	232
County:	Sacramento	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:	1967	1998 Waste-in-Place (tons):	25,641,997
Year Closed:	2001		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	6.77
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	6.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1999		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Sacramento Municipal Utility District		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	21		211
Current Capacity:			
Planned Capacity:	9.0		125

Utilities in County: Pacific Gas & Electric Company; Sacramento Muni Util Dist; San Diego Gas & Electric Co; Western

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	39,113		23,126	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	821,365		485,654	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	166,537	1,053	117,782	1,072
<i>Fuel Oil:</i>	136,686	880	96,670	563
<i>Natural Gas:</i>	91,910	0	65,003	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Patrick Maxfield	
Mailing Address:	9700 Goethe Road, Suite E	9700 Goethe Road, Suite E
Phone Number:	916-366-2626	916-366-2626
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Diego County	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	13,600,000
City:	San Marcos	Acres Currently Landfilled (acres):	70
County:	San Diego	Average Depth (feet):	400
State:	CA	1990 Waste-in-Place (tons):	11,494,445
Year Open:	1979	1998 Waste-in-Place (tons):	16,387,964
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	4.61
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Gas Turbine
Utilization System Start Year:	1989
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	San Diego Gas & Electric Co

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	14	144
Current Capacity:	1.3	21
Planned Capacity:		

Utilities in County: San Diego Gas & Electric Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	26,651		3,854	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	559,671		80,942	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	113,656	718	80,256	730
<i>Fuel Oil:</i>	93,284	600	65,870	384
<i>Natural Gas:</i>	62,725	0	44,292	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Shelita Weinfield, Project Manager	Shelita Weinfield, Project Manager
Mailing Address:	5555 Overland Avenue	5555 Overland Avenue
Phone Number:	619-694-2117	619-694-2117
Fax Number:		619-694-2196



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	San Bernardino County	Annual Acceptance Rate (tons):	114,400
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Redlands	Acres Currently Landfilled (acres):	50
County:	San Bernardino	Average Depth (feet):	250
State:	CA	Waste-in-Place (tons):	
Year Open:	1992	<i>1998 Waste-in-Place (tons):</i>	1,006,534
Year Closed:	2030		

**B. LANDFILL GAS COLLECTION**

<i>Estimated Methane Generation (mmscf/d):</i>	0.68
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Redlands Community Hospital		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	2		21
Current Capacity:			
Planned Capacity:			

Utilities in County: Colton Electric Util Dept; Needles, City of; Southern California Edison Co; Western Area Power Adm

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	3,905		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	82,007		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	16,575	105	11,760	107
<i>Fuel Oil:</i>	13,604	88	9,652	56
<i>Natural Gas:</i>	9,147	0	6,490	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Jerry Newcomb	
Mailing Address:		
Phone Number:	909-381-2404	909-381-2404
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:		Annual Acceptance Rate (tons):	429,000
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Santa Clara LF (Oxnard Power Station)	Design Capacity (tons):	
City:	Oxnard	Acres Currently Landfilled (acres):	140
County:	Ventura	Average Depth (feet):	35
State:	CA	1994 Waste-in-Place (tons):	2,700,000
Year Open:	1960	1998 Waste-in-Place (tons):	2,700,000
Year Closed:	1982		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.86
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.6
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1983
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	27
Current Capacity:	5.6	13
Planned Capacity:		

Utilities in County: Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,958		2,313	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	104,108		48,565	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	21,311	135	14,929	136
<i>Fuel Oil:</i>	17,491	113	12,253	71
<i>Natural Gas:</i>	11,761	0	8,239	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Santa Cruz	Annual Acceptance Rate (tons):	75,043
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Santa Cruz SLF	Design Capacity (tons):	4,811,638
City:	Santa Cruz	Acres Currently Landfilled (acres):	100
County:	Santa Cruz	Average Depth (feet):	
State:	CA	1991 Waste-in-Place (tons):	2,040,427
Year Open:	1929	1998 Waste-in-Place (tons):	2,545,025
Year Closed:	2017		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.70
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Gas Turbine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	2		22
Current Capacity:	0.7		10
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	4,053		1,927	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	85,113		40,471	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	17,364	110	12,205	111
<i>Fuel Oil:</i>	14,252	92	10,017	58
<i>Natural Gas:</i>	9,583	0	6,736	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	809 Center Street, Room 201	809 Center Street, Room 201
Phone Number:	408-429-3636	408-429-3636
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:		Annual Acceptance Rate (tons):	
Landfill Owner Type:		Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Santa Monica	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status: Potential

Utilization System Type: Unknown

Utilization System Start Year:

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:		
Current Capacity:		
Planned Capacity:		

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Orange County	Annual Acceptance Rate (tons):	1,986
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	15,596,881
City:	Irvine	Acres Currently Landfilled (acres):	185
County:	Orange	Average Depth (feet):	50
State:	CA	1991 Waste-in-Place (tons):	14,275,570
Year Open:	1968	1998 Waste-in-Place (tons):	17,726,254
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	4.95
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.9
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Potential
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	16	155
Current Capacity:		
Planned Capacity:		19

Utilities in County: Anaheim Public Utilities Dept; San Diego Gas & Electric Co; Southern California Edison Co; Wester

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	28,630		3,469	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	601,232		72,849	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	122,338	773	86,216	785
<i>Fuel Oil:</i>	100,409	646	70,762	412
<i>Natural Gas:</i>	67,517	0	47,581	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Suzanne McClanahan	Charlie Nedamin
Mailing Address:	320 North Flower Street Suite 400	320 N Flower Street, Suite 400 Suite 400
Phone Number:	714-834-4114	714-834-4050
Fax Number:		714-834-4057

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Glendale	Annual Acceptance Rate (tons):	495,165
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Glendale	Acres Currently Landfilled (acres):	410
County:	Los Angeles	Average Depth (feet):	90
State:	CA	1988 Waste-in-Place (tons):	21,511,265
Year Open:	1954	1998 Waste-in-Place (tons):	25,057,810
Year Closed:	1994		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	4.58
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	9.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Direct Thermal
Utilization System Start Year:	1994
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	Glendale Pub Service Dept

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	14	143
Current Capacity:	8	188
Planned Capacity:		

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	26,503		34,690	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	556,555		728,482	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	112,867	713	79,809	726
<i>Fuel Oil:</i>	92,636	596	65,504	382
<i>Natural Gas:</i>	62,290	0	44,046	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	613 East Broadway, Room 204	1955 Workman Mill Road
Phone Number:	818-956-4000	310-699-7411
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Kern County	Annual Acceptance Rate (tons):	71,273
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	6,118,776
City:	Shafter	Acres Currently Landfilled (acres):	135
County:	Kern	Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	1,400,000
Year Open:	1972	1998 Waste-in-Place (tons):	1,400,000
Year Closed:	2005		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.78
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Potential
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	2	24
Current Capacity:		
Planned Capacity:		

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	4,487		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	94,225		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	18,943	120	13,512	123
<i>Fuel Oil:</i>	15,547	100	11,090	65
<i>Natural Gas:</i>	10,454	0	7,457	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Greg Pope	Doug Landon
Mailing Address:	2700 M Street, Suite 500	2700 M Street Suite 500
Phone Number:	805-862-8900	805-862-8936
Fax Number:		



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Los Angeles	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Sun Valley	Acres Currently Landfilled (acres):	41
County:	Los Angeles	Average Depth (feet):	130
State:	CA	1998 Waste-in-Place (tons):	5,500,000
Year Open:	1962	1998 Waste-in-Place (tons):	5,500,000
Year Closed:	1974		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.12
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1988		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Energy's Penrose Landfill Power Proj		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		35
Current Capacity:			31
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	6,483		5,782	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	136,149		121,414	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	27,625	175	19,524	178
<i>Fuel Oil:</i>	22,673	146	16,024	93
<i>Natural Gas:</i>	15,246	0	10,775	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Kelly Gharios, Assistant Division Manager	Richard B. Humphreys, Senior Sanitary Engineer
Mailing Address:	419 South Spring Street Suite 800	Suite 1400, City Hall East
Phone Number:	213-893-8209	213-485-5112
Fax Number:		213-626-5514

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Los Angeles	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Sun Valley	Acres Currently Landfilled (acres):	41
County:	Los Angeles	Average Depth (feet):	130
State:	CA	1998 Waste-in-Place (tons):	5,500,000
Year Open:	1962	1998 Waste-in-Place (tons):	5,500,000
Year Closed:	1974		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.12
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	1.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Shutdown		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1979		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Pacific Energy's Penrose Landfill Power Proj		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		35
Current Capacity:			
Planned Capacity:	0.8		31

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	6,483		5,782	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	136,149		121,414	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	27,625	175	19,524	178
<i>Fuel Oil:</i>	22,673	146	16,024	93
<i>Natural Gas:</i>	15,246	0	10,775	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Kelly Gharios, Assistant Division Manager	Richard B. Humphreys, Senior Sanitary Engineer
Mailing Address:	419 South Spring Street Suite 800	Suite 1400, City Hall East
Phone Number:	213-893-8209	213-485-5112
Fax Number:		213-626-5514



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Waste Management, Inc.	Annual Acceptance Rate (tons):	305,224
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	8,818,236
City:	Simi Valley	Acres Currently Landfilled (acres):	136
County:	Ventura	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:	2012		

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Construction
Utilization System Type:	Leachate Evaporation
Utilization System Start Year:	1999
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:			
Planned Capacity:			

Utilities in County: Southern California Edison Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr)      SO2 (tons/yr)</i>	<i>CO2 (tons/yr)      SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	2801 Madera Road	2801 Madera Road
Phone Number:	805-522-7023	805-522-7023
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of San Diego	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	San Diego	Acres Currently Landfilled (acres):	120
County:		Average Depth (feet):	40
State:	CA	Waste-in-Place (tons):	
Year Open:	1952	<i>1998 Waste-in-Place (tons):</i>	4,645,461
Year Closed:	1981		

**B. LANDFILL GAS COLLECTION**

<i>Estimated Methane Generation (mmscf/d):</i>	0.95
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	1.1
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	SDG&E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	3		30
Current Capacity:			
Planned Capacity:			23

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,496		4,240	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	115,418		89,036	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	23,678	150	16,551	151
<i>Fuel Oil:</i>	19,434	125	13,584	79
<i>Natural Gas:</i>	13,068	0	9,134	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Robert Epler, Assistant Director	Robert Epler, Assistant Director
Mailing Address:	9601 Ridgehaven Court Suite 210	9601 Ridgehaven Court Suite 210
Phone Number:	619-492-5025	619-492-5025
Fax Number:		619-492-5021

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	CA Polytechnic of Pomona	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Pomona	Acres Currently Landfilled (acres):	300
County:	Los Angeles	Average Depth (feet):	150
State:	CA	1994 Waste-in-Place (tons):	12,500,000
Year Open:	1957	1998 Waste-in-Place (tons):	12,500,000
Year Closed:	1998		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.76
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	5.0
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Steam Turbine		
Utilization System Start Year:	1990		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	9		86
Current Capacity:	9.6		104
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	15,942		19,272	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	334,786		404,712	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	67,878	429	48,008	437
<i>Fuel Oil:</i>	55,711	359	39,403	230
<i>Natural Gas:</i>	37,461	0	26,495	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Huyter	Ed Wheless, Division Engineer
Mailing Address:	3801 West Temple Avenue	1995 Workman Mill Road
Phone Number:		310-699-7411
Fax Number:		310-692-2941

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City Of Sunnyvale	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	City of Sunnyvale LF	Design Capacity (tons):	2,889,745
City:	Sunnyvale	Acres Currently Landfilled (acres):	93
County:	Santa Clara	Average Depth (feet):	75
State:	CA	1998 Waste-in-Place (tons):	2,300,000
Year Open:		1998 Waste-in-Place (tons):	2,300,000
Year Closed:	1993		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.22
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1998		
Electric Utility Provider(s):	PG&E		
Natural Gas Provider(s):	PG&E		
Energy Purchaser(s):	On site city WWTP		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		7
Current Capacity:	1.6		
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	1,263		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	26,529		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	5,525	35	3,804	35
<i>Fuel Oil:</i>	4,535	29	3,122	18
<i>Natural Gas:</i>	3,049	0	2,100	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Tom Mohr	Tom Mohr
Mailing Address:	456 West Olive Avenue PO Box 3707	456 West Olive Avenue
Phone Number:	408-730-7415	408/730-7415
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	1,000,000
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Sunshine Canyon Landfill	Design Capacity (tons):	
City:	Sylmar	Acres Currently Landfilled (acres):	510
County:	Los Angeles	Average Depth (feet):	200
State:	CA	1998 Waste-in-Place (tons):	27,000,000
Year Open:	1961	1998 Waste-in-Place (tons):	27,000,000
Year Closed:	2046		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	6.02
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	L.A. Department of Water & Power; S-C-E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	19		188
Current Capacity:			
Planned Capacity:	6.0		73

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	34,790		13,490	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	730,594		283,298	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	148,384	938	104,766	953
<i>Fuel Oil:</i>	121,787	784	85,987	501
<i>Natural Gas:</i>	81,891	0	57,819	1

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	Dean Wise
Mailing Address:	757 N. Eldridge P.O. Box 3151	5501 N. Golden State Blvd.
Phone Number:	281-870-7801	818-362-1567
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Allied Waste	Annual Acceptance Rate (tons):	900,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Sycamore Canyon SLF	Design Capacity (tons):	
City:	Santee	Acres Currently Landfilled (acres):	532
County:	San Diego	Average Depth (feet):	250
State:	CA	1998 Waste-in-Place (tons):	9,163,739
Year Open:	1976	1998 Waste-in-Place (tons):	9,163,739
Year Closed:	2016		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.76
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.0
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Operational
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1989
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	San Diego Gas & Electric Co.

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	9	86
Current Capacity:	1.4	21
Planned Capacity:		

Utilities in County: San Diego Gas & Electric Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	15,968		3,854	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	335,326		80,942	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	67,878	429	48,085	438
<i>Fuel Oil:</i>	55,711	359	39,466	230
<i>Natural Gas:</i>	37,461	0	26,538	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Kaiser, Assistant Director	
Mailing Address:	7297 Ronson Road Suite G	8514 Mast Boulevard
Phone Number:	619-562-9426	
Fax Number:		



**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Santa Barbara County	Annual Acceptance Rate (tons):	105,613
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Santa Barbara	Acres Currently Landfilled (acres):	
County:	Santa Barbara	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	6,504,188
Year Open:		1998 Waste-in-Place (tons):	7,272,564
Year Closed:	1998		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.99
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Construction
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1998
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	3	31
Current Capacity:		
Planned Capacity:		

Utilities in County: Lompoc Utility Services/Electrical; Pacific Gas & Electric Company; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,709		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	119,887		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	24,468	155	17,192	156
<i>Fuel Oil:</i>	20,082	129	14,110	82
<i>Natural Gas:</i>	13,503	0	9,488	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	123 East Anapamu Street	123 East Anapamu Street
Phone Number:	805-568-3050	805-882-3624
Fax Number:		--

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Tulare County, Solid Waste Div.	Annual Acceptance Rate (tons):	61,201
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	2,549,490
City:	Porterville	Acres Currently Landfilled (acres):	46
County:	Tulare	Average Depth (feet):	45
State:	CA	1990 Waste-in-Place (tons):	1,614,000
Year Open:	1970	1998 Waste-in-Place (tons):	2,013,821
Year Closed:	2008		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.93
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):	Southern California Edison		
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	3		29
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	5,395		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	113,289		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	22,889	145	16,245	148
<i>Fuel Oil:</i>	18,786	121	13,333	78
<i>Natural Gas:</i>	12,632	0	8,966	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Mike Whitlock, Solid Waste Engineer IV	Mike Whitlock, Solid Waste Engineer IV
Mailing Address:	Room 10 County Civic Center	Room 10 County Civic Center
Phone Number:	209-733-6634	209-733-6634
Fax Number:		209-730-2653

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Corona	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:	Corona LF	Design Capacity (tons):	
City:	Corona	Acres Currently Landfilled (acres):	90
County:	Riverside	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	4,000,000
Year Open:	1961	1998 Waste-in-Place (tons):	4,000,000
Year Closed:	1989		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.19
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	0.4
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1986		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		37
Current Capacity:	2.0		8
Planned Capacity:			

Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	6,853		1,542	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	143,913		32,378	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	29,203	185	20,637	188
<i>Fuel Oil:</i>	23,969	154	16,938	99
<i>Natural Gas:</i>	16,117	0	11,389	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Los Angeles	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	
Alternative Landfill Name:		Design Capacity (tons):	
City:	Los Angeles	Acres Currently Landfilled (acres):	90
County:	Los Angeles	Average Depth (feet):	290
State:	CA	1998 Waste-in-Place (tons):	16,000,000
Year Open:	1957	1998 Waste-in-Place (tons):	16,000,000
Year Closed:	1985		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.90
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	3.5
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison Co		

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	9		91
Current Capacity:	9.0		73
Planned Capacity:			

Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	16,782		13,490	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	352,422		283,298	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	71,824	454	50,537	460
<i>Fuel Oil:</i>	58,950	379	41,478	242
<i>Natural Gas:</i>	39,639	0	27,891	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Kelly Gharios, Assistant Division Manager	N.A.
Mailing Address:	419 S. Spring Street Suite 800	
Phone Number:	213-893-8209	213-893-8209
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Waste Management Inc	Annual Acceptance Rate (tons):	283,547
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	Durham Road SLF	Design Capacity (tons):	
City:	Fremont	Acres Currently Landfilled (acres):	378
County:	Alameda	Average Depth (feet):	103
State:	CA	1994 Waste-in-Place (tons):	7,915,544
Year Open:	1968	1998 Waste-in-Place (tons):	9,301,131
Year Closed:	2001		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.80
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.5
Collection and Treatment System Required Under NSPS/EG:	Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	None		
Utilization System Type:	Direct Gas		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	9		87
Current Capacity:			
Planned Capacity:			31

Utilities in County: Alameda Bureau of Electricity; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	16,171		5,782	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	339,593		121,414	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	68,667	434	48,697	443
<i>Fuel Oil:</i>	56,359	363	39,968	233
<i>Natural Gas:</i>	37,896	0	26,875	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Richard Thompson	Richard Thompson
Mailing Address:	2010 Auto Mall Parkway	2010 Auto Mall Parkway
Phone Number:	510-624-5910	510-624-5910
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	El Dorado County	Annual Acceptance Rate (tons):	68,448
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	El Dorado	Acres Currently Landfilled (acres):	60
County:	El Dorado	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: Yes

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status: Construction

Utilization System Type: Reciprocating Engine

Utilization System Start Year: 1999

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s):

Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>			
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Sierra Pacific Power Co; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr)      SO2 (tons/yr)</i>	<i>CO2 (tons/yr)      SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Jon Morgan	
Mailing Address:	2850 Fairlane Court Bldg. C	P.O. Box 1270
Phone Number:	530-621-6672	916-621-4141
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	City of Upland	Annual Acceptance Rate (tons):	
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:		Design Capacity (tons):	
City:	Los Angeles Co.	Acres Currently Landfilled (acres):	
County:		Average Depth (feet):	
State:	CA	1998 Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status: Shutdown

Utilization System Type: Reciprocating Engine

Utilization System Start Year: 1983

Electric Utility Provider(s):

Natural Gas Provider(s):

Energy Purchaser(s): Southern California Edison

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

*Estimated Potential Capacity:*

Current Capacity:

Planned Capacity:

Utilities in County:

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:		
Phone Number:		
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	BFI	Annual Acceptance Rate (tons):	390,668
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	18,986,203
City:	Livermore	Acres Currently Landfilled (acres):	323
County:	Alameda	Average Depth (feet):	
State:	CA	1992 Waste-in-Place (tons):	8,951,618
Year Open:		1998 Waste-in-Place (tons):	11,800,294
Year Closed:	2015		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.34
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Planned		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	2000		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		42
Current Capacity:			
Planned Capacity:	4.0		

Utilities in County: Alameda Bureau of Electricity; Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	7,759		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	162,929		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	33,150	210	23,364	213
<i>Fuel Oil:</i>	27,208	175	19,176	112
<i>Natural Gas:</i>	18,295	0	12,894	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dennis Bollinger, Energy Manager	Norm Christenson
Mailing Address:	757 N. Eldridge PO Box 3151	4001 North Vasco Road
Phone Number:	281-870-7801	510-447-0491
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Tulare County, Solid Waste Div.	Annual Acceptance Rate (tons):	165,142
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Visalia	Acres Currently Landfilled (acres):	
County:	Tulare	Average Depth (feet):	
State:	CA	Waste-in-Place (tons):	
Year Open:		1998 Waste-in-Place (tons):	
Year Closed:			

**B. LANDFILL GAS COLLECTION**

*Estimated Methane Generation (mmscf/d):*

LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG: No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:

Utilization System Status:	Construction
Utilization System Type:	Reciprocating Engine
Utilization System Start Year:	1997
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	Southern California Edison

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

<i>Estimated Potential Capacity:</i>		
Current Capacity:		
Planned Capacity:	1.6	

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>	Current
<i>Methane Reduction (tons/yr):</i>		
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>	<i>Direct Use Project</i>
	<i>CO2 (tons/yr) SO2 (tons/yr)</i>	<i>CO2 (tons/yr) SO2 (tons/yr)</i>
<i>Coal:</i>		
<i>Fuel Oil:</i>		
<i>Natural Gas:</i>		

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	Room 10 County Civic Center	Room 10 County Civic Center
Phone Number:	209-733-6634	209-733-6634
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	West Contra Coast Sanitary Landfill, Inc.	Annual Acceptance Rate (tons):	281,707
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:	West County LF	Design Capacity (tons):	10,321,680
City:	Contra Costa	Acres Currently Landfilled (acres):	
County:	Contra Costa	Average Depth (feet):	
State:	CA	1994 Waste-in-Place (tons):	10,105,056
Year Open:		1998 Waste-in-Place (tons):	11,181,103
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.29
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1985		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	4		40
Current Capacity:	3.0		
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	7,478		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	157,042		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	31,571	200	22,520	205
<i>Fuel Oil:</i>	25,912	167	18,483	108
<i>Natural Gas:</i>	17,424	0	12,428	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	P.O. Box 4100	P.O. Box 4100
Phone Number:	510-262-1660	510-262-1660
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Tulare County, Solid Waste Div.	Annual Acceptance Rate (tons):	103,327
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	11,997,600
City:	Woodville	Acres Currently Landfilled (acres):	313
County:	Tulare	Average Depth (feet):	
State:	CA	1990 Waste-in-Place (tons):	11,686,364
Year Open:		1998 Waste-in-Place (tons):	12,308,183
Year Closed:	2017		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	1.38
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Construction		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	Southern California Edison		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	4		43
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Southern California Edison Co

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	7,988		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	167,756		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	33,939	215	24,056	219
<i>Fuel Oil:</i>	27,856	179	19,744	115
<i>Natural Gas:</i>	18,730	0	13,276	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:		
Mailing Address:	Room 10 County Civic Center	Room 10 County Civic Center
Phone Number:	209-733-6634	209-733-6634
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Yolo County	Annual Acceptance Rate (tons):	143,000
Landfill Owner Type:	Public	Year Annual Acceptance Rate Reported:	1998
Alternative Landfill Name:	Yolo County Municipal LF	Design Capacity (tons):	23,035,393
City:	Davis	Acres Currently Landfilled (acres):	724
County:	Yolo	Average Depth (feet):	60
State:	CA	1994 Waste-in-Place (tons):	8,427,340
Year Open:	1975	1998 Waste-in-Place (tons):	9,202,019
Year Closed:	2030		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	2.77
LFG Collection System Status:	Operational
Current LFG Collected (mmscf/d):	1.3
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Operational		
Utilization System Type:	Reciprocating Engine		
Utilization System Start Year:	1997		
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):	PG&E		
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
<i>Estimated Potential Capacity:</i>	9		87
Current Capacity:	2.4		27
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		Current	
<i>Methane Reduction (tons/yr):</i>	16,025		5,011	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	336,515		105,225	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	68,667	434	48,256	439
<i>Fuel Oil:</i>	56,359	363	39,606	231
<i>Natural Gas:</i>	37,896	0	26,632	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Ramin Yazdani	Tommy J. Davis
Mailing Address:	600 A Street #158	600 A Street, #158
Phone Number:	530-666-8775	916-666-8150
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Barbieri, David	Annual Acceptance Rate (tons):	0
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	3,887,223
City:	Marysville	Acres Currently Landfilled (acres):	29.22
County:	Yuba	Average Depth (feet):	
State:	CA	1988 Waste-in-Place (tons):	2,268,000
Year Open:		1998 Waste-in-Place (tons):	2,275,518
Year Closed:			

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.25
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

## Current Utilization:

Utilization System Status:	Potential
Utilization System Type:	Unknown
Utilization System Start Year:	
Electric Utility Provider(s):	
Natural Gas Provider(s):	
Energy Purchaser(s):	

Capacity: Electricity Generation Project (MW) OR Direct Use Project (mmBtu/hr)

Estimated Potential Capacity:	1	8
Current Capacity:		
Planned Capacity:		

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>		1,423		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		29,889		0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	6,314	40	4,286	39
<i>Fuel Oil:</i>	5,182	33	3,518	21
<i>Natural Gas:</i>	3,485	0	2,365	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	David Barbieri	
Mailing Address:	310 East 22nd Street	310 EAST 22ND ST
Phone Number:	916-743-1649	916-743-1649
Fax Number:		

\* *Italicized indicates values estimated by EPA.*

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**A. GENERAL LANDFILL INFORMATION**

Landfill Owner:	Norcal Waste Systems Inc	Annual Acceptance Rate (tons):	117,928
Landfill Owner Type:	Private	Year Annual Acceptance Rate Reported:	1994
Alternative Landfill Name:		Design Capacity (tons):	
City:	Marysville	Acres Currently Landfilled (acres):	160
County:	Yuba	Average Depth (feet):	
State:	CA	1990 Waste-in-Place (tons):	1,062,000
Year Open:		1998 Waste-in-Place (tons):	1,868,975
Year Closed:	1997		

**B. LANDFILL GAS COLLECTION**

Estimated Methane Generation (mmscf/d):	0.20
LFG Collection System Status:	
Current LFG Collected (mmscf/d):	
Collection and Treatment System Required Under NSPS/EG:	No

**C. LANDFILL GAS UTILIZATION**

Current Utilization:			
Utilization System Status:	Potential		
Utilization System Type:	Unknown		
Utilization System Start Year:			
Electric Utility Provider(s):			
Natural Gas Provider(s):			
Energy Purchaser(s):			
Capacity:	Electricity Generation Project (MW)	OR	Direct Use Project (mmBtu/hr)
Estimated Potential Capacity:	1		6
Current Capacity:			
Planned Capacity:			

Utilities in County: Pacific Gas & Electric Company; Western Area Power Admin

**D. ENVIRONMENTAL BENEFITS OF UTILIZATION**

	<i>Potential</i>		<i>Current</i>	
<i>Methane Reduction (tons/yr):</i>	1,142		0	
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	23,976		0	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>Coal:</i>	4,736	30	3,438	31
<i>Fuel Oil:</i>	3,887	25	2,822	16
<i>Natural Gas:</i>	2,614	0	1,897	0

**E. CONTACT INFORMATION**

	Landfill Owner	Landfill Operator
Contact Name:	Dave Prunty	Dave Prunty
Mailing Address:	3001 North Levee Road PO Box G	3001 North Levee Road PO Box G
Phone Number:	916-743-6933	916-743-6933
Fax Number:		

\* *Italicized indicates values estimated by EPA.*