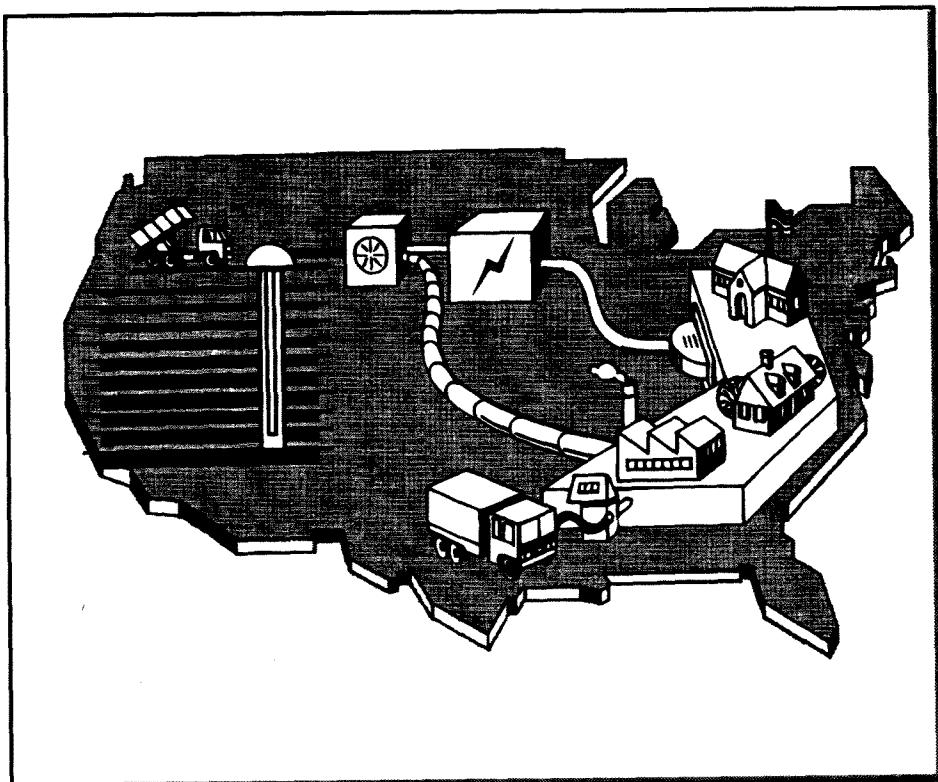




Landfill Gas-to-Energy Project Opportunities

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,¹ 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.²

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.

¹ Current projects illustrate the wide range of successful project development options.

² 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							
Total	336	793	7,937	254	1,468,431	813,664	30,837,061	17,086,942

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												
Total	6,261,328	5,139,014	3,455,544	39,577	33,078	0	4,421,983	3,629,364	2,440,433	40,236	21,150	21

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	Baird 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 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			✓		✓	✓	Operational
Current	Santa Clara LF		✓			✓	✓	Operational
Current	Santa Cruz City SLF		✓		✓	✓	✓	Operational
Current	Scholl Canyon SLF			✓		✓	✓	Operational
Current	Sheldon-Arleta LF			✓		✓	✓	Operational
Current	Simi Valley LF					✓		Construction
Current	Spadra LF			✓		✓	✓	Operational
Current	Sunnyvale LF	✓					✓	Operational
Current	Sycamore SLF			✓	✓	✓	✓	Operational
Current	Tajiguas SLF			✓				Construction
Current	Temescal Road LF		✓			✓	✓	Operational
Current	Toyon Canyon LF			✓		✓	✓	Operational
Current	Union Mine Disposal Site							Construction
Current	Visalia Disposal Site							Construction
Current	West Contra Costa LF			✓			✓	Operational
Current	Woodville Disposal Site			✓				Construction
Current	Yolo County Central LF			✓	✓	✓	✓	Operational
Candidate	Arvin SLF		✓		✓			Unknown
Candidate	Azusa Land Reclamation Company, Inc.				✓	✓	✓	
Candidate	Bakersfield SLF				✓	✓		Planned
Candidate	Ben Lomond Solid Waste Disposal Site	✓				✓		Shutdown
Candidate	Blythe Disposal Site			✓				Potential
Candidate	Buena Vista Disposal Site	✓				✓	✓	Planned
Candidate	Calabasas SLF							Planned
Candidate	Chateau Fresno LF			✓				Planned
Candidate	Chiquita Canyon SLF			✓				Planned
Candidate	City Garbage Company LF	✓						Potential
Candidate	City of Santa Maria Refuse Disposal Site		✓					Potential
Candidate	City of Ukiah Solid Waste Disposal Site	✓				✓		Potential
Candidate	Coachella Valley Disposal Site		✓					Planned
Candidate	Colton Refuse Disposal Site			✓	✓	✓	✓	Planned
Candidate	Edom Hill Disposal Site			✓	✓	✓		Planned
Candidate	El Sobrante SLF			✓	✓	✓		Potential
Candidate	Foothills SLF			✓				Potential
Candidate	Frank R. Bowerman SLF			✓	✓	✓		Planned
Candidate	Frank R. Bowerman SLF			✓	✓	✓	✓	Planned
Candidate	Hanford SLF	✓						Potential
Candidate	Keller Canyon LF			✓				Planned
Candidate	Lamb Canyon Disposal Site	✓			✓			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	✓						Potential
Candidate	McFarland-Delano SLF	✓						Potential
Candidate	Mid-Valley LF			✓	✓	✓		Planned
Candidate	Milliken SLF			✓	✓	✓		Planned
Candidate	Newby Island SLF		✓		✓			Planned
Candidate	Ox Mountain SLF			✓	✓			Planned
Candidate	Potrero Hills SLF		✓					Planned
Candidate	Ramona LF	✓						Potential
Candidate	Ridgecrest-Inyokern SLF	✓				✓		Potential
Candidate	Sacramento County LF			✓	✓			Planned
Candidate	San Timoteo Solid Waste Disposal Site	✓			✓			Planned
Candidate	Santa Monica Landfill							Potential
Candidate	Santiago Canyon SLF			✓		✓		Potential
Candidate	Shafter-Wasco SLF	✓				✓		Potential
Candidate	South Chollas LF			✓				Potential
Candidate	Sunshine Canyon/North Valley LF			✓	✓	✓		Planned
Candidate	Teapot Dome Disposal Site	✓				✓		Potential
Candidate	Tri-Cities Landfill			✓	✓	✓	✓	None
Candidate	Vasco Road SLF			✓				Planned
Candidate	Yuba-Sutter Disposal Area	✓						Potential
Candidate	Yuba-Sutter Disposal Inc.	✓						Potential
Shutdown	Ascon & Desser Landfills		✓				✓	Shutdown
Shutdown	Bonsall Landfill							Shutdown
Shutdown	Burbank LF Site No. 3							Shutdown
Shutdown	City of Lompoc SLF	✓						Shutdown
Shutdown	Coastal LF			✓				Shutdown
Shutdown	Duarte LF	✓					✓	Shutdown
Shutdown	Mountain View LF (Laidlaw)			✓			✓	Shutdown
Shutdown	Sheldon-Arieta LF			✓				Shutdown
Shutdown	Upland LF							Shutdown
Other	Agua Mansa LF	✓						Unknown
Other	Alturas SLF	✓						Unknown
Other	Amador County SLF	✓						Unknown
Other	American Canyon SLF II	✓				✓		Unknown
Other	Anderson Solid Waste Disposal Site	✓						Unknown
Other	Annapolis LF	✓						Unknown
Other	Anza Disposal Site	✓						Unknown
Other	Apple Valley Disposal Site	✓						Unknown
Other	Avenal LF	✓						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	✓						Unknown
Other	Baker Refuse Disposal Site	✓						Unknown
Other	Balance Rock Disposal Site	✓						Unknown
Other	Barstow Refuse Disposal Site	✓						Unknown
Other	Beale Air Force Base SLF	✓						Unknown
Other	Benton Crossing SLF	✓						Unknown
Other	Benton SLF	✓						Unknown
Other	Berryessa Garbage Service Disposal S	✓						Unknown
Other	Bieber Disposal Facility	✓						Unknown
Other	Big Oak Flat LF	✓						Unknown
Other	Bonzi SLF	✓						Unknown
Other	Borrego Springs LF	✓						Unknown
Other	Brand Park LF	✓						Unknown
Other	Bridgeport SLF	✓						Unknown
Other	C & H Sugar Disposal Site	✓						Unknown
Other	California Street LF	✓						Unknown
Other	Camp Roberts Solid Waste Disposal Si	✓						Unknown
Other	Casper Refuse Disposal Site	✓						Unknown
Other	Chalfant SLF	✓						Unknown
Other	Chicago Grade LF	✓						Unknown
Other	China Grade SLF	✓						Unknown
Other	City of Paso Robles LF	✓						Unknown
Other	Cloverdale LF	✓						Unknown
Other	Coalinga Disposal Site	✓						Unknown
Other	Cold Canyon LF Solid Waste Disposal		✓					Unknown
Other	Corral Hollow LF	✓						Unknown
Other	Covelo Fill Site "3"	✓						Unknown
Other	Crescent City SLF	✓						Unknown
Other	Desert Valley Company LF	✓						Unknown
Other	Dixon Pit LF	✓						Unknown
Other	Eagle Mountain LF	✓						Unknown
Other	Earlimart Disposal Site	✓						Unknown
Other	Fink Road LF	✓						Unknown
Other	Foxen Canyon SLF	✓						Unknown
Other	Glenn County LF Site	✓						Unknown
Other	Gopher Hill SLF	✓						Unknown
Other	Harney Lane SLF	✓						Unknown
Other	Herlong Disposal Facility	✓			✓			Unknown
Other	Hesperia Refuse Disposal Site	✓						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	✓	—	—	—	—	—	Unknown
Other	Imperial Waste Site	✓	—	—	—	—	—	Unknown
Other	Intermountain LF	✓	—	—	—	—	—	Unknown
Other	Johnson Canyon SLF	✓	—	—	—	—	—	Unknown
Other	Jolan Road SLF	✓	—	—	—	—	—	Unknown
Other	Kennedy Meadows Disposal Site	✓	—	—	—	—	—	Unknown
Other	Kern Valley LF	✓	—	—	—	—	—	Unknown
Other	Kirby Canyon SLF	—	—	✓	—	—	—	Unknown
Other	Landers Disposal Site	✓	—	—	—	—	—	Unknown
Other	Laytonville Refuse Disposal Site	✓	—	—	—	—	—	Unknown
Other	Lebec SLF	✓	—	—	—	—	—	Unknown
Other	Lenwood-Hinkley Refuse Disposal Site	✓	—	—	—	—	—	Unknown
Other	Lewis Road SLF	✓	—	—	—	—	—	Unknown
Other	Loyalton LF	✓	—	—	—	—	—	Unknown
Other	Lucerne Valley Disposal Site	✓	—	—	—	—	—	Unknown
Other	Mariposa County SLF	✓	—	—	—	—	—	Unknown
Other	Mecca LF II	✓	—	—	—	—	—	Unknown
Other	Metro Water District - Iron Mountain	✓	—	—	—	—	—	Unknown
Other	Mitsubishi Cement Plant Cushmanbury L	✓	—	—	—	—	—	Unknown
Other	Mojave-Rosamond SLF	✓	—	—	—	—	—	Unknown
Other	Morongo Disposal Site	✓	—	—	—	—	—	Unknown
Other	NAS Lemoore SLF	✓	—	—	—	—	—	Unknown
Other	Needles Solid Waste Disposal Site	✓	—	—	—	—	—	Unknown
Other	New Cuyama SLF	✓	—	—	—	—	—	Unknown
Other	Newberry Disposal Site	✓	—	—	—	—	—	Unknown
Other	North Belridge Solid Waste Disposal Sit	✓	—	—	—	—	—	Unknown
Other	North County LF	✓	—	—	✓	—	—	Unknown
Other	Oro Grande LF	—	✓	—	—	—	—	Unknown
Other	Oroville LF	✓	—	—	—	—	—	Unknown
Other	Pebble Beach (Avalon) Disposal Site	✓	—	—	—	—	—	Unknown
Other	Pebble Beach (Avalon) Disposal Site	✓	—	—	—	—	—	Unknown
Other	Picacho Cut and Fill Site	✓	—	—	—	—	—	Unknown
Other	Placer County Western Regional SLF	—	✓	—	—	—	—	Unknown
Other	Ponderosa SLF	—	—	✓	—	—	—	Unknown
Other	Portola LF	✓	—	—	—	—	—	Unknown
Other	Pumice Valley SLF	✓	—	—	—	—	—	Unknown
Other	Ravendale Disposal	✓	—	—	—	—	—	Unknown
Other	Reserve Component Training Center	—	—	✓	—	—	—	Unknown
Other	San Antonio South Shore Disposal Site	✓	—	—	—	—	—	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	✓						Unknown
Other	Shoreline LF at Mountain View		✓					Unknown
Other	Shoshone Disposal Site	✓						Unknown
Other	Sierra Army Depot	✓				✓		Unknown
Other	Simpson Paper Company	✓						Unknown
Other	Somoa LF Site	✓						Unknown
Other	South Coast Refuse Disposal	✓						Unknown
Other	Tecopa Disposal Site	✓						Unknown
Other	Tehachapi SLF	✓						Unknown
Other	Texaco Oil Disposal Site 'C'	✓						Unknown
Other	Toland Road SLF	✓						Unknown
Other	Trona-Argus Refuse Disposal Site	✓						Unknown
Other	Tuolumne County Central SLF	✓						Unknown
Other	Twenty-nine Palms Disposal Site	✓						Unknown
Other	Twin Bridges LF	✓						Unknown
Other	U S Navy LF	✓						Unknown
Other	U S M C 29 Palms Disposal Site	✓						Unknown
Other	University of California at Davis SLF	✓						Unknown
Other	Upper Valley Disposal Service LF	✓						Unknown
Other	Valley Tree & Construction Disposal Site	✓						Unknown
Other	Victorville Refuse Disposal Site	✓						Unknown
Other	Walker SLF	✓						Unknown
Other	Weaverville LF Disposal Site	✓						Unknown
Other	West Central LF	✓						Unknown
Other	West Marin SLF	✓						Unknown
Other	West Seventh Street Disposal Site	✓						Unknown
Other	Westwood Disposal Facility	✓						Unknown
Other	Yermo Disposal Site	✓						Unknown
Unknown WIP	Aerojet Liquid Rocket Company LF							Unknown
Unknown WIP	American Avenue Disposal Site							Unknown
Unknown WIP	Antelope Valley Public LF							Unknown
Unknown WIP	Bass Hill LF							Unknown
Unknown WIP	Big Bear Refuse Disposal Site							Unknown
Unknown WIP	Billy Wright Disposal Site							Unknown
Unknown WIP	Bishop Sunland							Unknown
Unknown WIP	Black Butte Solid Waste Disposal Site							Unknown
Unknown WIP	Boron SLF							Unknown
Unknown WIP	Brawley Disposal Site							Unknown
Unknown WIP	Buttonwillow SLF							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				✓			Unknown
Unknown WIP	Calexico Solid Waste Disposal Site							Unknown
Unknown WIP	California Valley LF							Unknown
Unknown WIP	Camp San Luis Obispo LF							Unknown
Unknown WIP	Casa Grande Site							Unknown
Unknown WIP	Cecilville Disposal Site							Unknown
Unknown WIP	Cedarville LF - East							Unknown
Unknown WIP	Chester SLF							Unknown
Unknown WIP	Chestnut Avenue SLF							Unknown
Unknown WIP	City of Clovis LF							Unknown
Unknown WIP	City of Palo Alto Refuse Disposal Site							Unknown
Unknown WIP	City of Redding Benton LF							Unknown
Unknown WIP	City of Rialto Disposal Site							Unknown
Unknown WIP	City of Whittier-Savage Canyon LF							Unknown
Unknown WIP	City of Willits Disposal Site							Unknown
Unknown WIP	Clipper Creek							Unknown
Unknown WIP	Collins Pine Company LF							Unknown
Unknown WIP	Contra Costa SLF							Unknown
Unknown WIP	Deep Springs College Disposal Site							Unknown
Unknown WIP	Diamond LF							Unknown
Unknown WIP	E O D #2							Unknown
Unknown WIP	Eagleville Disposal Site							Unknown
Unknown WIP	Eastern Regional LF							Unknown
Unknown WIP	Eastlake SLF							Unknown
Unknown WIP	Edwards Air Force Base-Main Base LF							Unknown
Unknown WIP	Edwards Air Force Base-Rocket Propul							Unknown
Unknown WIP	Evans Road LF AP #18-160-46							Unknown
Unknown WIP	Exeter Disposal Site							Unknown
Unknown WIP	Fairmead Solid Waste Disposal Site							Unknown
Unknown WIP	Fort Bidwell LF							Unknown
Unknown WIP	Forward Inc							Unknown
Unknown WIP	French Camp LF Site							Unknown
Unknown WIP	Furnace Creek							Unknown
Unknown WIP	Geer Road SLF							Unknown
Unknown WIP	Glennville LF							Unknown
Unknown WIP	Goldstone Deep Space Comm Comple							Unknown
Unknown WIP	Hanford Recycling Disposal Site							Unknown
Unknown WIP	Happy Camp Solid Waste Disposal site							Unknown
Unknown WIP	Harney Lane Landfill							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							Unknown
Unknown WIP	Highway 59 Disposal Site							Unknown
Unknown WIP	Hillside Solid Waste Disposal Site							Unknown
Unknown WIP	Holiday SLF							Unknown
Unknown WIP	Holtville Disposal Site							Unknown
Unknown WIP	Homewood Canyon Disposal Site							Unknown
Unknown WIP	Hot Spa Cut & Fill Site					✓		Unknown
Unknown WIP	Hotelling Gulch Disposal Site							Unknown
Unknown WIP	Independence Disposal Site							Unknown
Unknown WIP	John Smith Road Solid Waste Disposal							Unknown
Unknown WIP	Kelly Gulch Solid Waste Disposal Site							Unknown
Unknown WIP	L&D LF Company							Unknown
Unknown WIP	Lake City LF							Unknown
Unknown WIP	Las Pulgas LF							Unknown
Unknown WIP	Lava Beds Disposal Site							Unknown
Unknown WIP	Lone Pine Disposal Site							Unknown
Unknown WIP	Lost Hills SLF							Unknown
Unknown WIP	Louisiana-Pacific Disposal Site							Unknown
Unknown WIP	Madeline Disposal Facility							Unknown
Unknown WIP	McCloud Community Services District L							Unknown
Unknown WIP	Montecito Memorial Park							Unknown
Unknown WIP	Neal Road LF							Unknown
Unknown WIP	Niland Cut & Fill Site					✓		Unknown
Unknown WIP	North San Joaquin County Landfill							Unknown
Unknown WIP	NU-WAY Industries, Inc.							Unknown
Unknown WIP	Oasis Disposal Site							Unknown
Unknown WIP	Ocotillo Cut & Fill							Unknown
Unknown WIP	Olancha-Cartago Disposal Site							Unknown
Unknown WIP	Orange Avenue Disposal Inc							Unknown
Unknown WIP	Owens Fiberglas Co							Unknown
Unknown WIP	Pacheco Pass SLF							Unknown
Unknown WIP	Pacific Missile Test Center LF							Unknown
Unknown WIP	Palo Verde Cut & Fill Site							Unknown
Unknown WIP	Phelan Refuse Disposal Site							Unknown
Unknown WIP	Pitchess Honor Rancho LF							Unknown
Unknown WIP	Red Bluff SLF							Unknown
Unknown WIP	Red Hill SLF							Unknown
Unknown WIP	Redwood SLF							Unknown
Unknown WIP	Rio Vista SLF							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							Unknown
Unknown WIP	Rogers Creek							Unknown
Unknown WIP	Salton City Cut & Fill Site							Unknown
Unknown WIP	Santa Fe Energy Resources, Inc. LF							Unknown
Unknown WIP	Santa Rosa Geothermal Company LF							Unknown
Unknown WIP	Shoreline Regional Park SLF							Unknown
Unknown WIP	Southeast Regional Solid Waste Dispo							Unknown
Unknown WIP	Southside Solid Waste Disposal Site							Unknown
Unknown WIP	Speckert Disposal Area							Unknown
Unknown WIP	Stonyford Disposal Site							Unknown
Unknown WIP	Taft SLF							Unknown
Unknown WIP	Tennant Solid Waste Disposal Site							Unknown
Unknown WIP	Tubbs Island							Unknown
Unknown WIP	Tulelake SLF							Unknown
Unknown WIP	Two Harbors LF Site							Unknown
Unknown WIP	Vandenberg Air Force Base LF							Unknown
Unknown WIP	Vasalia Disposal Site LF							Unknown
Unknown WIP	Ventucopa SLF							Unknown
Unknown WIP	Waste Management of Lancaster SLF							Unknown
Unknown WIP	Watsonville City Solid Waste Disposal							Unknown
Unknown WIP	Weed Solid Waste Disposal Site							Unknown
Unknown WIP	Western Regional LF							Unknown
Unknown WIP	Yreka Solid Waste LF							Unknown
Unknown WIP	Zanker Road (Nine Par) SLF							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)
<i>Estimated Potential Capacity:</i>	7		71
Current Capacity:	1.8		38
Planned Capacity:			

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		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:	

* *Italicized* indicates values estimated by EPA.

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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

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

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	1	3	30
Current Capacity:		1.5	
Planned Capacity:			21

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

¹ *Italicized indicates values estimated by EPA.*

A. GENERAL LANDFILL INFORMATION

Landfill Owner:	County Of Kern-Truxton 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

Estimated Methane Generation (mmscf/d):	1.36
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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)
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Estimated Potential Capacity:	4	43
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Current Capacity:

Planned Capacity:

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
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Contact Name: Greg Pope

Mailing Address: 2700 M Street, Suite 500

Phone Number: 805-861-2159

805-862-8900

Fax Number:

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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)
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Estimated Potential Capacity:	3	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

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

E. CONTACT INFORMATION

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

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	Austin Road LF	Landfill Category:	Current
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	Acre Current 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

	Potential		Current	
Methane Reduction (tons/yr):	5,553		1,927	
CO ₂ Equivalent of CH ₄ Reduction (tons/yr):	116,621		40,471	
<i>Emissions Avoided by Fossil Fuel Displacement:</i>				
	Electricity Generation Project		Direct Use Project	
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
Coal:	23,678	150	16,723	152
Fuel Oil:	19,434	125	13,726	80
Natural Gas:	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	209-582-3214
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:	1	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

	Potential		Current
Methane Reduction (tons/yr):	11,179		23,897
CO2 Equivalent of CH4 Reduction (tons/yr):	234,749		501,843

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	47,357	299	33,663	306
Fuel Oil:	38,868	250	27,629	161
Natural Gas:	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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		BKK Landfill-Phase I	Landfill Category:	Current
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)	
Estimated Potential Capacity:		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				
Methane Reduction (tons/yr):		Potential		Current
		58,780		83,255
CO2 Equivalent of CH4 Reduction (tons/yr):		1,234,374		1,748,355
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	250,990	1,586	177,007	1,611
Fuel Oil:	206,001	1,326	145,279	847
Natural Gas:	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:	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
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LFG Collection System Status:	
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Current LFG Collected (mmscf/d):	21.6
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Collection and Treatment System Required Under NSPS/EG:	Yes
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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)
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Estimated Potential Capacity:	32	318
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Current Capacity:	6.0	450
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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

	Potential	Current
Methane Reduction (tons/yr):	58,780	83,255
CO2 Equivalent of CH4 Reduction (tons/yr):	1,234,374	1,748,355

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	250,990	1,586	177,007	1,611
Fuel Oil:	206,001	1,326	145,279	847
Natural Gas:	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:		

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		Badlands Disposal Site	<i>Landfill Category:</i>	Current
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)
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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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	4,801	0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	100,825	0

Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project

	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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

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A. GENERAL LANDFILL INFORMATION

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

B. LANDFILL GAS COLLECTION

<i>Estimated Methane Generation (mmscf/d):</i>	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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	13,011	4,625
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	273,221	97,131

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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

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

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		Bakersfield SLF	<i>Landfill Category:</i>	Candidate
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				
<i>Estimated Methane Generation (mmscf/d):</i>		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)	
<i>Estimated Potential Capacity:</i>		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				
	Potential		Current	
<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>
Coal:	92,345	.584	65,169	.593
Fuel Oil:	75,793	488	53,488	312
Natural Gas:	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:				
* <i>Italicized indicates values estimated by EPA.</i>		December 5, 1998	State: CA	Page: 12
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Ben Lomond Solid Waste Disposal Site**Landfill Category:** Candidate**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

<i>Estimated Methane Generation (mmscf/d):</i>	0.20
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LFG Collection System Status:	Operational
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Current LFG Collected (mmscf/d):	0.6
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Collection and Treatment System Required Under NSPS/EG:	No
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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)
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<i>Estimated Potential Capacity:</i>	1	6
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Current Capacity:		
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Planned Capacity:		13
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Utilities in County:	Pacific Gas & Electric Company; Western Area Power Admin
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	1,151	2,313
<i>CO₂ Equivalent of CH₄ Reduction (tons/yr):</i>	24,169	48,565

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project
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	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
<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
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Mailing Address:	701 Ocean Street, Room 410	701 Ocean Street, Rm 410
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Phone Number:	408-454-2160	408-454-2160
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Fax Number:

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		Blythe Disposal Site	Landfill Category:	Candidate
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)
Estimated Potential Capacity:		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				
Methane Reduction (tons/yr):		Potential		Current
		4,199		0
CO2 Equivalent of CH4 Reduction (tons/yr):		88,171		0
Emissions Avoided by Fossil Fuel Displacement:		Electricity Generation Project		Direct Use Project
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	18,153	115	12,644	115
Fuel Oil:	14,899	96	10,377	61
Natural Gas:	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	
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A. GENERAL LANDFILL INFORMATION

Landfill Owner: County of San Diego
 Landfill Owner Type: Public
 Alternative Landfill Name:
 City: San Diego Co.
 County:
 State: CA
 Year Open:
 Year Closed:

Annual Acceptance Rate (tons):
 Year Annual Acceptance Rate Reported: 1998
 Design Capacity (tons):
 Acres Currently Landfilled (acres):
 Average Depth (feet):
 1998 Waste-in-Place (tons):
 1998 Waste-in-Place (tons):

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

Potential

Current

Methane Reduction (tons/yr):

CO2 Equivalent of CH4 Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project

Direct Use Project

CO2 (tons/yr) SO2 (tons/yr)

CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:

Mailing Address:

Phone Number:

Fax Number:

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Bradley Avenue West SLF

Landfill Category:

Current

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)
<i>Estimated Potential Capacity:</i>	15 154
Current Capacity:	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

	Potential		Current	
Methane Reduction (tons/yr):		28,555		13,490
CO ₂ Equivalent of CH ₄ Reduction (tons/yr):		599,647		283,298
Emissions Avoided by Fossil Fuel Displacement:			Electricity Generation Project Direct Use Project	
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
Coal:	121,549	768	85,988	782
Fuel Oil:	99,762	642	70,575	411
Natural Gas:	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:	

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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
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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)
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Estimated Potential Capacity:	4	41
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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

	Potential		Current
Methane Reduction (tons/yr):	7,495		0
CO2 Equivalent of CH4 Reduction (tons/yr):	157,387		0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	32,360	205	22,569	205
Fuel Oil:	26,560	171	18,524	108
Natural Gas:	17,859	0	12,456	0

E. CONTACT INFORMATION

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

Fax Number:

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Buena Vista Disposal Site**Landfill Category:** Candidate**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
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		Current	
Methane Reduction (tons/yr):		5,085		1,542
CO2 Equivalent of CH4 Reduction (tons/yr):		106,791		32,378

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	21,311	135	15,314	139
Fuel Oil:	17,491	113	12,569	73
Natural Gas:	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:		

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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:		<i>1998 Waste-in-Place (tons):</i>	
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)

Estimated Potential Capacity:

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

Potential Current

Methane Reduction (tons/yr):

CO2 Equivalent of CH4 Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project Direct Use Project
CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

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:

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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:		1998 Waste-in-Place (tons):	
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 & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

D. ENVIRONMENTAL BENEFITS OF UTILIZATION*Potential*

Current

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

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

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Chateau Fresno LF

Landfill Category: Candidate

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
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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)
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Estimated Potential Capacity:	5	46
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Current Capacity:

Planned Capacity:

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

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:	

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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)
<i>Estimated Potential Capacity:</i>	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

	Potential		Current
<i>Methane Reduction (tons/yr):</i>	6,855		0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	143,949		0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	29,203	185	20,642	188
Fuel Oil:	23,969	154	16,942	99
Natural Gas:	16,117	0	11,392	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Sam Rojas

Mailing Address: 29201 Henry Mayo Drive

Phone Number: 805-257-3655

Fax Number:

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City Garbage Company LF

Landfill Category: Candidate

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)
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<i>Estimated Potential Capacity:</i>	1	7
Current Capacity:		
Planned Capacity:		

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

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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 (mmscfd): 0.15

LFG Collection System Status:

Current LFG Collected (mmscfd):

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)
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Estimated Potential Capacity: 1 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

Methane Reduction (tons/yr):	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
	856		0	
	17,974		0	

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	3,946	25	2,577	24
Fuel Oil:	3,239	21	2,115	12
Natural Gas:	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:

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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

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

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City of Santa Maria Refuse Disposal Site

Landfill Category: Candidate

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)
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<i>Estimated Potential Capacity:</i>	1	1	10
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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>Methane Reduction (tons/yr):</i>	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			1,757	0
			36,905	0
<i>Emissions Avoided by Fossil Fuel Displacement:</i>				
<i>Electricity Generation Project</i>				
Coal:	7,104	45	5,292	48
Fuel Oil:	5,830	38	4,344	25
Natural Gas:	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:

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City of Ukiah Solid Waste Disposal Site**Landfill Category:** Candidate**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	Acre Current 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

<i>Estimated Methane Generation (mmscf/d):</i>	0.81
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LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG:	Yes
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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)
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<i>Estimated Potential Capacity:</i>	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

	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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>				
	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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:		

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Coachella Valley Disposal Site

Landfill Category: Candidate

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

<i>Estimated Methane Generation (mmscf/d):</i>	1.25
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LFG Collection System Status:

Current LFG Collected (mmscf/d):	0.8
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Collection and Treatment System Required Under NSPS/EG:	No
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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)
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<i>Estimated Potential Capacity:</i>	4	4	39
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Current Capacity:

Planned Capacity:	17
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Utilities in County: Anza Electric Cooperative Inc; Arizona Elec Power Coop; Banning Electric Dept; Imperial Irrigation

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		Current
Methane Reduction (tons/yr):	7,204		3,084
CO2 Equivalent of CH4 Reduction (tons/yr):	151,274		64,754

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	30,782	195	21,692	197
Fuel Oil:	25,264	163	17,804	104
Natural Gas:	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

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Coastal LF**Landfill Category:** Shutdown**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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

	Potential	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>CO₂ (tons/yr)</i>
<i>Coal:</i>	30,782	195	21,973
<i>Fuel Oil:</i>	25,264	163	18,034
<i>Natural Gas:</i>	16,988	0	12,127
		<i>SO₂ (tons/yr)</i>	<i>SO₂ (tons/yr)</i>
			200
			105
			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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Colton Refuse Disposal Site

Landfill Category: Candidate

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)
<i>Estimated Potential Capacity:</i>	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

	Potential		Current	
Methane Reduction (tons/yr):		11,155		6,938
CO2 Equivalent of CH4 Reduction (tons/yr):		234,253		145,696
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	47,357	299	33,592	306
Fuel Oil:	38,868	250	27,571	161
Natural Gas:	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
Phone Number:	909-381-2404
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):	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)
<i>Estimated Potential Capacity:</i>	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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	32,540	26,981
<i>CO₂ Equivalent of CH₄ Reduction (tons/yr):</i>	683,344	566,597

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
<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	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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Crazy Horse SLF**Landfill Category:** Current**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)
Estimated Potential Capacity:	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

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

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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)
<i>Estimated Potential Capacity:</i>	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

	Potential		Current
<i>Methane Reduction (tons/yr):</i>	9,573		6,938
<i>CO₂ Equivalent of CH₄ Reduction (tons/yr):</i>	201,023		145,696

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
<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:		

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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

<i>Estimated Methane Generation (mmscf/d):</i>	0.92
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LFG Collection System Status:

Current LFG Collected (mmscf/d):	0.4
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Collection and Treatment System Required Under NSPS/EG:	No
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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)
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<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
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	5,341	1,542
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	112,159	32,378

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	22,889	145	16,083	146
Fuel Oil:	18,786	121	13,201	77
Natural Gas:	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

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

	Potential		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>
Coal:	20,521	130	14,403
Fuel Oil:	16,843	108	11,821
Natural Gas:	11,325	0	7,949
	<i>SO2 (tons/yr)</i>		0

E. CONTACT INFORMATION

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

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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
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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

	Potential	Current
Methane Reduction (tons/yr):	8,594	0
CO2 Equivalent of CH4 Reduction (tons/yr):	180,478	0

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	36,307	230	25,880	236
Fuel Oil:	29,799	192	21,241	124
Natural Gas:	20,037	0	14,283	0

E. CONTACT INFORMATION

Landfill Owner

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

Landfill Operator

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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, CoGeneratic

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

	Potential		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>
Coal:	62,353	394	44,150	402
Fuel Oil:	51,176	329	36,236	211
Natural Gas:	34,412	0	24,366	0

E. CONTACT INFORMATION

Landfill Owner

Contact Name: Ray Grier

Mailing Address: 10910 Danson Canyon Road

Phone Number: 909/277-1740

Fax Number:

Landfill Operator

Ray Grier

10910 Dawson Road

909-277-1740

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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)
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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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	4,577	0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	96,121	0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	19,732	125	13,784	125
Fuel Oil:	16,195	104	11,313	66
Natural Gas:	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 445 North San Joaquin Street
P.O. Box 1810 P.O. Box 1810

Phone Number: 209-468-3066 209-468-3066

Fax Number:

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

	Potential		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>
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)
<i>Coal:</i>	91,556	579	64,723
<i>Fuel Oil:</i>	75,145	484	53,122
<i>Natural Gas:</i>	50,529	0	35,720

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

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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 (mmscfd): 3.72

LFG Collection System Status:

Current LFG Collected (mmscfd): 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)
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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

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

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Suzanne McClanahan, Manager

Mailing Address: 320 North Flower Street
Suite 400

Phone Number: 714-834-4114

Fax Number: 714-834-4057

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Guadalupe Disposal Site		<i>Landfill Category:</i>	Current
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			
<i>Estimated Methane Generation (mmscf/d):</i>		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>		<i>Current</i>
<i>Methane Reduction (tons/yr):</i>		5,953	5,782
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>		125,011	121,414
Emissions Avoided by Fossil Fuel Displacement:	<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>
Coal:	25,257	160	17,926
Fuel Oil:	20,730	133	14,713
Natural Gas:	13,939	0	9,893
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.

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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)
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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

	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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>				
			Electricity Generation Project	Direct Use Project
			CO2 (tons/yr)	CO2 (tons/yr)
Coal:	6,314	40		4,248
Fuel Oil:	5,182	33		3,486
Natural Gas:	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:		

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

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Industry Hills Sheraton Resort

Landfill Category:

Current

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 Center	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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

<i>Methane Reduction (tons/yr):</i>	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			358	1,927
<i>Emissions Avoided by Fossil Fuel Displacement:</i>			7,522	40,471
	<i>Electricity Generation Project</i>		<i>Direct Use Project</i>	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<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
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Contact Name:

Mailing Address:

Phone Number:

Fax Number:

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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
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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

	Potential	Current
Methane Reduction (tons/yr):	9,497	0
CO2 Equivalent of CH4 Reduction (tons/yr):	199,435	0

Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project

	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	40,253	254	28,599	260
Fuel Oil:	33,038	213	23,473	137
Natural Gas:	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:

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Lamb Canyon Disposal Site

Landfill Category: Candidate

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
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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)
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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

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

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:	Mubashar Ahmed	Terry Higgins, Landfill Engineer
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Mailing Address:	1995 Market Street	1995 Market Street
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Phone Number:	909-955-1370	909-955-1370
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Fax Number:	909-955-1374
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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)
<i>Estimated Potential Capacity:</i>	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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	30,809	30,835
<i>CO₂ Equivalent of CH₄ Reduction (tons/yr):</i>	646,997	647,539

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
<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, Assistant 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:		

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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)
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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

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	1,465	0
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	30,755	0

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	6,314	40	4,410	40
Fuel Oil:	5,182	33	3,620	21
Natural Gas:	3,485	0	2,434	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Wendell N.A. Metchu Wendell Metchu

Mailing Address: P.O. Box 6100 950 Maidu Avenue

Phone Number: 916-672-1245 916-672-1245

Fax Number:

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	County Of Kern-Truxton 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
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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)
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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

	Potential		Current
Methane Reduction (tons/yr):	4,000		0
CO2 Equivalent of CH4 Reduction (tons/yr):	84,008		0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	17,364	110	12,047	110
Fuel Oil:	14,252	92	9,887	58
Natural Gas:	9,583	0	6,648	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:

Mailing Address: 2700 M Street
Suite 500

Phone Number: 805-861-2159

Fax Number:

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Mead Valley Disposal Site

Landfill Category: Current

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)
<i>Estimated Potential Capacity:</i>	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

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

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	4 43
Current Capacity:	2.0 31
Planned Capacity:	

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
Methane Reduction (tons/yr):	7,654	5,782
CO2 Equivalent of CH4 Reduction (tons/yr):	160,734	121,414

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project	Direct Use Project		
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	32,360	205	23,049	210
Fuel Oil:	26,560	171	18,918	110
Natural Gas:	17,859	0	12,721	0

E. CONTACT INFORMATION

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

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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 C)

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

Methane Reduction (tons/yr):	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
CO2 Equivalent of CH4 Reduction (tons/yr):		58,980		5,011
Emissions Avoided by Fossil Fuel Displacement:				
Coal:	251,779	1,591	177,612	1,616
Fuel Oil:	206,649	1,330	145,776	850
Natural Gas:	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

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

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Miramar SLF- Phase I

Landfill Category:

Current

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
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LFG Collection System Status:

Current LFG Collected (mmscf/d):	6.5
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Collection and Treatment System Required Under NSPS/EG:	Yes
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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)
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Estimated Potential Capacity:	19	191
Current Capacity:	7.0	135
Planned Capacity:		

Utilities in County:	San Diego Gas & Electric Co
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

Methane Reduction (tons/yr):	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
CO2 Equivalent of CH4 Reduction (tons/yr):	35,405		25,054	
Emissions Avoided by Fossil Fuel Displacement:				
	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	150,752	953	106,618	970
Fuel Oil:	123,730	796	87,507	510
Natural Gas:	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.

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Miramar SLF- Phase II**Landfill Category:**

Current

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
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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)
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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

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

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Monterey Peninsula SLF

Landfill Category: Current

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

<i>Estimated Methane Generation (mmscf/d):</i>	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 Purchasers(s):	

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

	Potential		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>
Coal:	42,621	269	30,239	275
Fuel Oil:	34,981	225	24,819	145
Natural Gas:	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.*

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Mountain View LF (Laidlaw)**Landfill Category:** Shutdown**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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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>Methane Reduction (tons/yr):</i>	<i>Potential</i>		<i>Current</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (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)</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:		

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:	Barely 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

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

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:	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)
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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

	Potential		Current	
Methane Reduction (tons/yr):		17,205		15,418
CO2 Equivalent of CH4 Reduction (tons/yr):		361,295		323,770

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	73,403	464	51,809	471
Fuel Oil:	60,246	388	42,523	248
Natural Gas:	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

Methane Reduction (tons/yr):	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
CO2 Equivalent of CH4 Reduction (tons/yr):			102,276	242,827
Emissions Avoided by Fossil Fuel Displacement:				
Electricity Generation Project				
Coal:	20,521	130	14,666	133
Fuel Oil:	16,843	108	12,037	70
Natural Gas:	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
Phone Number:	281-870-7801
Fax Number:	408-262-1401

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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

<i>Estimated Methane Generation (mmscf/d):</i>	0.84
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LFG Collection System Status:

Current LFG Collected (mmscf/d):	3.0
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Collection and Treatment System Required Under NSPS/EG:	No
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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)
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<i>Estimated Potential Capacity:</i>	3	26
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Current Capacity:

Planned Capacity:	4.2	6.3
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Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
<i>Methane Reduction (tons/yr):</i>	4,870	11,563
<i>CO₂ Equivalent of CH₄ Reduction (tons/yr):</i>	102,276	242,827

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
Coal:	20,521	130	14,666	133
Fuel Oil:	16,843	108	12,037	70
Natural Gas:	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:		

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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

	Potential	Current
Methane Reduction (tons/yr):	40,921	11,563
CO2 Equivalent of CH4 Reduction (tons/yr):	859,341	242,827

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	174,430	1,103	123,228	1,121
Fuel Oil:	143,164	922	101,140	589
Natural Gas:	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

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Otay LF**Landfill Category:**

Current

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

	Potential		Current	
Methane Reduction (tons/yr):		15,182		7,709
CO2 Equivalent of CH4 Reduction (tons/yr):		318,818		161,885

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	64,721	409	45,718	416
Fuel Oil:	53,120	342	37,523	219
Natural Gas:	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:		

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Ox Mountain SLF *Landfill Category:* Candidate

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

Estimated Methane Generation (mmscf/d): 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)
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<i>Estimated Potential Capacity:</i>	9	86
Current Capacity:	4	
Planned Capacity:	10	

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	<i>Potential</i>	Current	
Methane Reduction (tons/yr):	15,915		
CO ₂ Equivalent of CH ₄ Reduction (tons/yr):	334,223		

Emissions Avoided by Fossil Fuel Displacement:	<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>
Coal:	67,878	429	47,927	436
Fuel Oil:	55,711	359	39,336	229
Natural Gas:	37,461	0	26,450	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Jim Gunderson

Mailing Address: 12310 San Mateo Road

Phone Number: 650-726-1819

Fax Number:

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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>Methane Reduction (tons/yr):</i>	<i>Potential</i>		<i>Current</i>	
	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>	<i>CO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			5,139	3,469
			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:		

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Palos Verdes Landfill	<i>Landfill Category</i>	Current
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 (mmscfd):	3.49
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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)
<i>Estimated Potential Capacity:</i>	11		109
Current Capacity:	3	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>Methane Reduction (tons/yr):</i>	<i>Potential</i>		<i>Current</i>	
	<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>	20,162	<i>CO2 (tons/yr)</i>	<i>SO2 (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)</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

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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)
Estimated Potential Capacity:	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

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

E. CONTACT INFORMATION

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

	Potential		Current	
Methane Reduction (tons/yr):		1,588		0
CO2 Equivalent of CH4 Reduction (tons/yr):		33,338		0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	7,104	45	4,781	44
Fuel Oil:	5,830	38	3,924	23
Natural Gas:	3,920	0	2,638	0

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
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Contact Name: Gary Ponder

Mailing Address: 3260 Bloom Drive
Suite 210

Phone Number: 510-620-0133

Fax Number:

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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

	Potential	Current
Methane Reduction (tons/yr):	16,649	7,709
CO ₂ Equivalent of CH ₄ Reduction (tons/yr):	349,633	161,885

Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project

	CO ₂ (tons/yr)	SO ₂ (tons/yr)	CO ₂ (tons/yr)	SO ₂ (tons/yr)
Coal:	71,035	449	50,137	456
Fuel Oil:	58,302	375	41,150	240
Natural Gas:	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

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Puente Hills (Clean Fuels Project)

Landfill Category:

Current

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)

Estimated Potential Capacity:

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

Potential

Current

Methane Reduction (tons/yr):

CO2 Equivalent of CH4 Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project

Direct Use Project

CO2 (tons/yr) SO2 (tons/yr)

CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

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

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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):	1,365
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)

*Estimated Potential Capacity:*Current Capacity: 4.0 Direct Use Project (mmBtu/hr): 110
Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

Potential Current

*Methane Reduction (tons/yr):**CO2 Equivalent of CH4 Reduction (tons/yr):*

Emissions Avoided by Fossil Fuel Displacement: Electricity Generation Project Direct Use Project

CO2 (tons/yr) SO2 (tons/yr) CO2 (tons/yr) SO2 (tons/yr)

*Coal:**Fuel Oil:**Natural Gas:***E. CONTACT INFORMATION**

Landfill Owner

Landfill Operator

Contact Name: Ed Wheless, Division Engineer John Cosulich, Supervising Engineer

Mailing Address: 1955 Workman Mill Road 1995 Workman Mill Road
P.O. Box 4998

Phone Number: 310-699-7411 310-699-7411

Fax Number: 310-692-2941

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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: 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)

Estimated Potential Capacity:

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

Potential

Current

*Methane Reduction (tons/yr):**CO2 Equivalent of CH4 Reduction (tons/yr):**Emissions Avoided by Fossil Fuel Displacement:*

Electricity Generation Project

Direct Use Project

CO2 (tons/yr) SO2 (tons/yr)

CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

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

Phone Number: 310-699-7411

Fax Number: 310-692-2941

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Puente Hills LF(Steam Cycle Plant)

Landfill Category:

Current

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)
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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>	<i>Current</i>
Methane Reduction (tons/yr):	70,044	123,341
CO2 Equivalent of CH4 Reduction (tons/yr):	1,470,930	2,590,157

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	299,136	1,891	210,929	1,919
Fuel Oil:	245,517	1,580	173,121	1,009
Natural Gas:	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

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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)
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<i>Estimated Potential Capacity:</i>	0	2
Current Capacity:		
Planned Capacity:		

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

619-694-2196

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Ridgecrest-Inyokern SLF*Landfill Category:* Candidate**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

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

E. CONTACT INFORMATION

Landfill Owner Landfill Operator

Contact Name: Greg Pope Doug Landon

Mailing Address: 2700 M Street 2700 M Street
Suite 500 Suite 500

Phone Number: 805-862-8900 805-862-8936

Fax Number:

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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

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

E. CONTACT INFORMATION

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

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		Sacramento County LF	Landfill Category:	Candidate
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)
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Estimated Potential Capacity:	21	211
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Current Capacity:

Planned Capacity:	9.0	125
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Utilities in County: Pacific Gas & Electric Company; Sacramento Muni Util Dist; San Diego Gas & Electric Co; Western

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Patrick Maxfield

Mailing Address: 9700 Goethe Road, Suite E

Phone Number: 916-366-2626

Fax Number:

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	San Marcos LF	Landfill Category:	Current
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)
<i>Estimated Potential Capacity:</i>	14		144
Current Capacity:	1.3		21
Planned Capacity:			

Utilities in County:	San Diego Gas & Electric Co
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	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>CO2 (tons/yr)</i>
<i>Coal:</i>	113,656	718	80,256
<i>Fuel Oil:</i>	93,284	600	65,870
<i>Natural Gas:</i>	62,725	0	44,292
		<i>SO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
		730	384

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

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San Timoteo Solid Waste Disposal Site**Landfill Category:** Candidate**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	1998 Waste-in-Place (tons):	1,006,534
Year Closed:	2030		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d): 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)

Estimated Potential Capacity: 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

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

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Jerry Newcomb

Mailing Address:

Phone Number: 909-381-2404

Fax Number:

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Santa Clara LF

Landfill Category:

Current

A. GENERAL LANDFILL INFORMATION

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

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

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

E. CONTACT INFORMATION

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

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		Santa Cruz City SLF	Landfill Category:	Current
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

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

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A. GENERAL LANDFILL INFORMATION

Landfill Owner:
 Landfill Owner Type:
 Alternative Landfill Name:
 City: Santa Monica
 County:
 State: CA
 Year Open:
 Year Closed:

Annual Acceptance Rate (tons):
 Year Annual Acceptance Rate Reported: 1998
 Design Capacity (tons):
 Acres Currently Landfilled (acres):
 Average Depth (feet):
 1998 Waste-in-Place (tons):
1998 Waste-in-Place (tons):

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

Potential

Current

Methane Reduction (tons/yr):

CO2 Equivalent of CH4 Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project

Direct Use Project

CO2 (tons/yr) SO2 (tons/yr)

CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:

Mailing Address:

Phone Number:

Fax Number:

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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

	Potential	Current
Methane Reduction (tons/yr):	28,630	3,469
CO2 Equivalent of CH4 Reduction (tons/yr):	601,232	72,849

Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	122,338	773	86,216	785
Fuel Oil:	100,409	646	70,762	412
Natural Gas:	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

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Scholl Canyon SLF

Landfill Category:

Current

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

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

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:	

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		Shafter-Wasco SLF	<i>Landfill Category:</i>	Candidate
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)	
<i>Estimated Potential Capacity:</i>	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	
Emissions Avoided by Fossil Fuel Displacement:	<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>
Coal:	18,943	120	13,512	123
Fuel Oil:	15,547	100	11,090	65
Natural Gas:	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:				
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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:	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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

Methane Reduction (tons/yr):	Potential		Current	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>				
Emissions Avoided by Fossil Fuel Displacement:				
<i>Electricity Generation Project</i>				
Coal:	27,625	175	19,524	178
Fuel Oil:	22,673	146	16,024	93
Natural Gas:	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

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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
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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)
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Estimated Potential Capacity:	4	35
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Current Capacity:

Planned Capacity:	0.8	31
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Utilities in County: Azusa Light & Water Dept; Burbank Pub Service Dept; Glendale Pub Service Dept; Los Angeles Dep

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

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	Simi Valley LF	Landfill Category:	Current
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			
<i>Estimated Methane Generation (mmscf/d):</i>			
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>			
<i>Current</i>			
<i>Methane Reduction (tons/yr):</i>			
<i>CO2 Equivalent of CH4 Reduction (tons/yr):</i>			
Emissions Avoided by Fossil Fuel Displacement:	Electricity Generation Project <i>CO2 (tons/yr)</i>	Direct Use Project <i>CO2 (tons/yr)</i>	
	<i>SO2 (tons/yr)</i>		<i>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:			
* <i>Italicized indicates values estimated by EPA.</i>		December 5, 1998	
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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	1998 Waste-in-Place (tons):	4,645,461
Year Closed:	1981		

B. LANDFILL GAS COLLECTION

Estimated Methane Generation (mmscf/d):	0.95
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LFG Collection System Status:

Current LFG Collected (mmscf/d):	1.1
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Collection and Treatment System Required Under NSPS/EG:	No
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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)
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Estimated Potential Capacity:	3	30
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Current Capacity:		23
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Planned Capacity:	
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Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
Contact Name:	Robert Epler, Assistant Director
Mailing Address:	9601 Ridgehaven Court Suite 210
Phone Number:	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)
Estimated Potential Capacity:	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

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

E. CONTACT INFORMATION

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

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	Sunnyvale LF	Landfill Category:	Current
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)
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<i>Estimated Potential Capacity:</i>	1	7
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Current Capacity:	1.6
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Planned Capacity:	
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Utilities in County: Pacific Gas & Electric Company; Palo Alto Electric Util; Santa Clara Elec Dept; Western Area Power

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		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>				
	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	5,525	35	3,804	35
Fuel Oil:	4,535	29	3,122	18
Natural Gas:	3,049	0	2,100	0

E. CONTACT INFORMATION

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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

	Potential	Current	
<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>CO2 (tons/yr)</i>
Coal:	148,384	938	104,766
Fuel Oil:	121,787	784	85,987
Natural Gas:	81,891	0	57,819

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:		

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Sycamore SLF

Landfill Category:

Current

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:		Electricity Generation Project (MW)		OR	Direct Use Project (mmBtu/hr)
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:					
<i>Estimated Potential Capacity:</i>		9			86
Current Capacity:		1.4			21
Planned Capacity:					

Utilities in County: San Diego Gas & Electric Co

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

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:		

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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
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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)
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Estimated Potential Capacity:	3	31
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Current Capacity:

Planned Capacity:

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

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

E. CONTACT INFORMATION

Landfill Owner	Landfill Operator
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Contact Name:

Mailing Address: 123 East Anapamu Street

123 East Anapamu Street

Phone Number: 805-568-3050

805-882-3624

Fax Number:

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Teapot Dome Disposal Site**Landfill Category:** Candidate**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

<i>Estimated Methane Generation (mmscf/d):</i>	0.93
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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)

<i>Estimated Potential Capacity:</i>	3	29
Current Capacity:		
Planned Capacity:		

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		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>
Coal:	22,889	145	16,245	148
Fuel Oil:	18,786	121	13,333	78
Natural Gas:	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

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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

<i>Estimated Methane Generation (mmscf/d):</i>	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)
<i>Estimated Potential Capacity:</i>	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

	Potential		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>
Coal:	29,203	185	20,637	188
Fuel Oil:	23,969	154	16,938	99
Natural Gas:	16,117	0	11,389	0

E. CONTACT INFORMATION

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

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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

	Potential	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>CO2 (tons/yr)</i>
<i>Coal:</i>	71,824	454	50,537
<i>Fuel Oil:</i>	58,950	379	41,478
<i>Natural Gas:</i>	39,639	0	27,891
		<i>SO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>

E. CONTACT INFORMATION

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

* *Italicized* indicates values estimated by EPA.

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Tri-Cities Landfill

Landfill Category: Candidate

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)
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<i>Estimated Potential Capacity:</i>	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

	Potential	Current
<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>
Coal:	68,667	434	48,697	443
Fuel Oil:	56,359	363	39,968	233
Natural Gas:	37,896	0	26,875	0

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:	Richard Thompson	Richard Thompson
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Mailing Address:	2010 Auto Mall Parkway	2010 Auto Mall Parkway
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Phone Number:	510-624-5910	510-624-5910
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Fax Number:	
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* *Italicized indicates values estimated by EPA.*

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Union Mine Disposal Site

Landfill Category:

Current

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

<i>Estimated Methane Generation (mmscf/d):</i>	
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)
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Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:	Pacific Gas & Electric Company; Sierra Pacific Power Co; Western Area Power Admin
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D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential		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)</i>	<i>SO₂ (tons/yr)</i>	<i>CO₂ (tons/yr)</i>	<i>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:	P.O. Box 1270
Phone Number:	916-621-4141
Fax Number:	

* Italicized indicates values estimated by EPA.

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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)
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Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

Utilities in County:

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

Potential

Current

Methane Reduction (tons/yr):

CO₂ Equivalent of CH₄ Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project

Direct Use Project

CO₂ (tons/yr) SO₂ (tons/yr)

CO₂ (tons/yr) SO₂ (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name:

Mailing Address:

Phone Number:

Fax Number:

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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)
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<i>Estimated Potential Capacity:</i>	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

	Potential	Current	
<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>			
	Electricity Generation Project	Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)
Coal:	33,150	210	23,364
Fuel Oil:	27,208	175	19,176
Natural Gas:	18,295	0	12,894

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: Dennis Bollinger, Energy Manager Norm Christenson

Mailing Address: 757 N. Eldridge 4001 North Vasco Road
 PO Box 3151

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)

Estimated Potential Capacity:

Current Capacity:

Planned Capacity:

1.6

Utilities in County:

Pacific Gas & Electric Company; Southern California Edison Co

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

Potential

Current

Methane Reduction (tons/yr):

CO2 Equivalent of CH4 Reduction (tons/yr):

Emissions Avoided by Fossil Fuel Displacement:

Electricity Generation Project

Direct Use Project

CO2 (tons/yr) SO2 (tons/yr)

CO2 (tons/yr) SO2 (tons/yr)

Coal:

Fuel Oil:

Natural Gas:

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:

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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)
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<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

	Potential	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>CO2 (tons/yr)</i>
<i>Coal:</i>	31,571	200
<i>Fuel Oil:</i>	25,912	167
<i>Natural Gas:</i>	17,424	0
	<i>SO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
		22,520
		205
		18,483
		108
		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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Woodville Disposal Site

Landfill Category: Current

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

<i>Estimated Methane Generation (mmscf/d):</i>	1.38
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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)
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<i>Estimated Potential Capacity:</i>	4	43
Current Capacity:	1	
Planned Capacity:	1	

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

D. ENVIRONMENTAL BENEFITS OF UTILIZATION

	Potential	Current
<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>CO2 (tons/yr)</i>
<i>Coal:</i>	33,939	24,056
<i>Fuel Oil:</i>	27,856	19,744
<i>Natural Gas:</i>	18,730	13,276
	<i>SO2 (tons/yr)</i>	<i>SO2 (tons/yr)</i>
	215	219
	179	115
	0	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:

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Yolo County Central LF

Landfill Category: Current

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)
Estimated Potential Capacity:	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

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

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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
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LFG Collection System Status:

Current LFG Collected (mmscf/d):

Collection and Treatment System Required Under NSPS/EG:	No
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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)
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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

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

E. CONTACT INFORMATION

Landfill Owner

Landfill Operator

Contact Name: David Barbieri

Mailing Address: 310 East 22nd Street

Phone Number: 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
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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

	Potential	Current
Methane Reduction (tons/yr):	1,142	0
CO2 Equivalent of CH4 Reduction (tons/yr):	23,976	0

Emissions Avoided by Fossil Fuel Displacement:

	Electricity Generation Project		Direct Use Project	
	CO2 (tons/yr)	SO2 (tons/yr)	CO2 (tons/yr)	SO2 (tons/yr)
Coal:	4,736	30	3,438	31
Fuel Oil:	3,887	25	2,822	16
Natural Gas:	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:		

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