

ATTACHMENT 1 A

Sierra Point Development Statistics

Buildout Data Brisbane's Portion of Sierra Point

(Updated: July 17, 2017)

APN	Street No.	Street Name	Description	Land Area (Acres)	Year Built	Existing Floor Area (SQ FT) (per City Files)	APPROVED To Be Constructed Floor Area (SQ FT)	Existing Hotel Rooms	Master Plan Hotel Rooms (Potential New)	Owner	Notes
007-165-010	1000	Marina Blvd	Office	4.52	1983	104,234	0			Mpvca Brisbane LLC	
007-165-020	(3000)	Marina Blvd	Vacant	8.88		0	448,000			Sierra Point LLC	"OPUS Office" approved
007-165-110	5000	Marina Blvd	Office	3.44	2002	63,174	0			Marina Boulevard Property LLC	
007-165-120	7000	Marina Blvd	Office	4.56	1986	79,649	0			Marina Boulevard Property LLC	
007-165-040	(7500)	Marina Blvd	REDEV. AGENCY	6.51		0	0			City	North side Marina parking lot
007-164-020	8000	Marina Blvd	Office	5.7	2000	201,193	0			Diamond Marina Llc	
007-165-050	9000	Marina Blvd	Vacant	6.13		0	0	700	700	Tuntex Properties, Inc.	700 Rm Hotel Site, per Master Plan
007-163-040	2000	Shoreline Ct	Hotel	3.08	2005	110,324	0	177		Bre Sh Brisbane Owner Llc	Homewood Suites
007-165-060	400-500	Sierra Point Parkway	Marina	11.34	1982M/2 001YC	4,560	0			City	Marina (2,960 sq ft) and Yacht Club (1600 sq ft)
007-164-010	2000	Sierra Point Parkway	Office	10.2	1988	218,118	0			2000 Sierra Point Parkway Llc	
007-163-030	5000	Sierra Point Parkway	Hotel	3.52	2000	126,902	0	210		Summit Hospitality 114 Llc	DoubleTree
007-165-080	(1000)	Sierra Point Parkway	Vacant	5.78							
007-165-090	(1500)	Sierra Point Parkway	Vacant	9.09		0	555,000			Slough Brisbane Llc	Biotech Campus approved, including 15,000 square feet of retail
007-165-100	(3000)	Sierra Point Parkway	Vacant	7.97							
007-165-070	NA	Sierra Point Parkway	Marina	1.21		0	0			City	South edge of Marina
Totals				91.93		908,154	1,003,000	387	700		

Notes: Land areas and floor areas are approximate and land areas may not be based on surveys.
 () denotes address for vacant land.
 Grey Shading indicates undeveloped private vacant land.
 Structured parking (basement or parking garage) is not included in the floor area totals.

Buildout Data South San Francisco's Portion of Sierra Point

(Updated: July 17, 2017)

APN	Street No.	Street Name	Description	LAND AREA (ACRES)	YEAR BUILT	EXISTING FLOOR AREA (SQ FT) (per County GIS)	"Maximum Possible" FLOOR AREA (SQ FT)	EXISTING HOTEL ROOMS	MASTER PLAN HOTEL ROOMS	Owner	Notes
015010610	4000	Shoreline Ct	Office/R&D	2.4		90,828	104,562	N/A	N/A	4000 Shoreline LLC	Max FAR of 1.0 with incentives for office assumed. For Max Floor Area. Max FAR of 2.2 possible for hotels but not assumed in calculation.
015010580	5000	Shoreline Ct	Office/R&D	8.8		141,360	383,754	N/A	N/A	Areus Inc	See above
015010560	6000	Shoreline Ct	Office/R&D	6.8		138,614	295,339	N/A	N/A	CRP 6000 Shoreline LLC	See above
015010570	7000	Shoreline Ct	Office/R&D	9.3	2003	141,677	403,471	N/A	N/A	Alexandria Real Estate SF No. 17 LLC	See above
South San Francisco Totals						512,479	1,187,126		N/A		
Cumulative Totals (Brisbane & SSF)						1,420,633	Max. Potential Office Buildout: Brisbane: (e) 908,154 + (new) 1,003,000 + SSF: (Max.) 1,187,126 = 3,098,280 sq. ft.	Existing Hotel Rooms: Brisbane = 387	Master Planned - Potential New Hotel Rooms: Brisbane = 700		

ATTACHMENT 2 A

6/13/2017 Memorandum
from Tom Graf, GraftCon

Swiecki, John

From: Tom Graf <tom@grafcon.us>
Sent: Tuesday, June 13, 2017 4:30 PM
To: Swiecki, John
Cc: Howard Pearce; Scharfman, Jonathan
Subject: liquefaction clarification

John – as requested, this email is sent to provide clarification of the question regarding liquefaction at the landfill and railyard in Brisbane. As indicated in the EIR, maps of the area prepared by the USGS show liquefaction susceptibility at both the railyard and landfill sites. Given this, geotechnical investigations at both the landfill and railyard focused attention on the potential for liquefaction and provided opinions on results in a large earthquake. The results of their analyses were summarized briefly in the EIR.

For the landfill, Geosyntec Consultants indicated that surface manifestations of liquefaction are considered to be somewhat limited because of the depths of liquefiable material underlying the waste and bay mud, and due to the relative density of the sand layer in question.

As indicated in my May 23, 2017 presentation to the City Council, surface manifestation of liquefaction at the landfill falls into three categories:

- Sand Boils - because the sand is at depth below site fill, existing waste, and bay muds, sand boils are not anticipated at the surface.
- Settlement - sands underlying the site fill, existing waste, and bay muds are deep (greater than 60 feet) and relatively dense. Significant settlement is not anticipated at the ground surface due to sand liquefaction.
- Lateral Spreading - because the sands underlying the site are deep, lateral spreading does not appear to be a concern.

For the railyard, Treadwell and Rollo indicated that shallow sandy layers in the fill and underlying native deposits are less dense and subject to liquefaction. They predicted settlement of 0 to 4 inches generally, and up to 8 inches. They predicted that lateral spreading could potentially occur with the proposed 26-foot high slope for the Geneva Avenue expansion if ground improvement was not implemented prior to construction. As stated in the EIR, geotechnical design of the embankments will specify procedures required to prevent lateral spreading and significant settlement during a large earthquake. Because the railyard is otherwise relatively flat, significant lateral spreading would not be predicted, except where open faces or steep slopes are constructed during development.

Sand boils are also predicted because the liquefiable layers are relatively shallow. In areas of the railyard where non-liquefiable cover is not sufficient to prevent the formation of sand boils, the areas can be repaired as part of post-earthquake maintenance.

Following normal protocol for overall site development design, and as indicated in the EIR mitigation measures, site-specific geotechnical investigations will be carried out to determine the requirements for each portion of the landfill and railyard to mitigate risks of significant effects due to large earthquakes. Problem areas would be identified and mitigated as part of site-specific design.

If you have additional questions, please let me know,

Regards,

Tom

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Tom Graf
GrafCon
P.O. Box 1105
Tiburon, CA 94920
415-290-5034

ATTACHMENT 2 B

California Municipal Solid Waste (MSW)
Landfills Active Post- 1/1/88 and pre 1/1/88
Sites with Active Gas Control Systems or
Estimated

CALIFORNIA LANDFILL METHANE OUTREACH PROGRAM COMPILATION (8/20/01)

(CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated >1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
01-AA-0006	Davis Street	1980	Active-Flare/LFGTE	Direct Use- 3 mmscfd	GSF Energy		13,000,000	0
01-AA-0008	Tri-Cities LF	2002	Active-Flare (LFGTE planned/candidate per USEPA)			115	6,500,000	292,908
01-AA-0009	Allamont LF	2007 (expansion planned)	Active-Flare/LFGTE	Gas Turbine- 6.6 MW	Bio Energy Partners	206	26,000,000	1,491,958
01-AC-0001	Vasco Road LF	2016	Active-Flare (LFGTE planned)	Engine- 4.5 MW (planned)	NEO	222	10,000,000	478,607
03-AA-0001	Berkeley LF	1983	Active-Flare			90	>1,000,000	0
04-AA-0002	Amador Co. LF	2006	No			44	550,000	39,339
05-AA-0014	Red Hill SLF	2018	No			87	850,000	151,738
05-AA-0023	Rock Creek LF	1990	No			15	160,000	0
06-AA-0001	Evans Rd LF-P1	2032	No			57	300,000	34,450
06-AA-0002	Stonyford LF	1995	No			14	200,000	0
07-AA-0001	W Contra Costa LF	2009	Active-Flare/LFGTE	Engine- 3 MW	Novex	4	<100,000	<1,000
07-AA-0002	Acme Sanitary LF	2001	Active-Flare/LFGTE	Direct Use (Boiler)- 1.8 mmscfd	Acme Fill	160	7,400,000	280,932
07-AA-0003	Contra Costa SLF (aka Pittsburg or GBF LF)	1992	Active-Flare (proposed)			109	7,000,000	16,382
08-AA-0032	Keller Canyon LF	2037	Active-Flare (LFGTE planned)	Engine- 3.9 MW (planned)	EDI	74	1,200,000	0
08-AA-0006	Crescent City LF	2002	Active-Flare (LFGTE planned) Passive Venting			244	8,000,000	608,460
09-AA-0003	Union Mine DS	2012	Active-Flare/LFGTE	Engine- 1.3 MW	El Dorado Co.	23	600,000	18,493
10-AA-0002	Chateau Fresno LF	1996	Active-Flare (LFGTE planned)	Engine- 2.6 MW (planned)	EDI	22	1,500,000	2,156
10-AA-0004	Clovis LF	2029	No			75	3,800,000	0
10-AA-0005	City of Fresno LF (Federal NPL Site)	1987	Active-Flare			50	1,000,000	37,522
10-AA-0006	Coalinga DS	2034	No			145	4,700,000	0
10-AA-0009	American Ave.	2028	No			52	180,000	19,223
10-AA-0011	Southeast Regional	1990	Active-Flare/LFGTE	Engine ?		367	2,200,000	591,359
10-AA-0013	Orange Ave.	2005	Active-Flare			67	1,300,000	0
10-AA-0025	Chestnut Ave DS	1994	Active-Flare			29	1,100,000	46,513
11-AA-0001	Glenn County LF	2021	No			32	950,000	0
12-AA-0005	Cummings Road LF	2007	Active-Flare			50	340,000	19,626
13-AA-0001	Imperial SWS	2028	No			38	<100,000	11,747
13-AA-0004	Calexico DS	2136	No			18	<100,000	2,333
13-AA-0005	Ocotillo C&F	2005	No			5	<100,000	<1,000
13-AA-0006	Holtville DS	2008	No			25	<100,000	1,472
13-AA-0007	Palo Verde C&F	2029	No			9	<100,000	1,203
13-AA-0008	Brawley LF	2002	No			34	200,000	<1,000
13-AA-0009	Niland C&F	2003	No			14	<100,000	22,971
13-AA-0010	Hot Spa C&F	2021	No			6	<100,000	<1,000
13-AA-0011	Salton City C&F	2019	No			8	<100,000	<1,000
13-AA-0012	Pichacho C&F	2000	No			14	<100,000	2,203
13-AA-0019	Republic-Imperial	2012	No			76	500,000	117,405
13-AA-0026	Mesquite Regional LF	>2100	Active-Flare/LFGTE proposed during operation			2290	0 (500,000,000 capacity construction to start 2005-10)	0
14-AA-0003	Lone Pine DS	2087	No			27	<100,000	1,965
14-AA-0004	Independence DS	2038	No			18	<100,000	<1,000
14-AA-0005	Bishop Sunland	2054	No			69	300,000	13,533
14-AA-0006	Shoshone DS	2052	No			5	<100,000	<1,000
14-AA-0007	Tecopa DS	2050	No			9	<100,000	<1,000
14-AA-0016	Furnace Creek	1986	No			10	<100,000	0
15-AA-0044	Bakersfield	<1/1/88	Active-Flare			10	>1,000,000	0
15-AA-0045	Boron SLF	2013	No			14	315,000	3,238

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For further information and contacts on individual sites, use SWIS number and download from <http://www.ciwmf.ca.gov/SWIS/>.

CALIFORNIA LANDFILL METHANE OUTREACH PROGRAM COMPILATION (8/20/01)
 (CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated >1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
15-AA-0047	Buttonwillow SLF	1998	No			8	<100,000	<1,000
15-AA-0048	China Grade SLF	1992	Active-Flare (proposed)			58	2,000,000	0
15-AA-0050	Arvin SLF	2008	Active-Flare			143	3,200,000	71,735
15-AA-0051	Glennville LF	1995	No			4	<100,000	0
15-AA-0052	Lost Hills SLF	2038	No			25	500,000	1,414
15-AA-0055	Kern Valley LF	1997	Active-Flare, GAC, or biofilter proposed			31	230,000	<1,000
15-AA-0056	Lebec LF	1991	Passive Venting			14	200,000	0
15-AA-0057	Shafter-Wasco SLF	2022	No (Tier 2 NSPS/EG control measures required at 2005) (LFGTE candidate per USEPA)			135	1,700,000	120,663
15-AA-0058	Mojave-Rosamond SLF	1997	No			27	640,000	7,378
15-AA-0059	Ridgecrest SLF	2012	No (LFGTE candidate per USEPA)			91	2,000,000	56,377
15-AA-0061	Taft SLF	2041	No			80	720,000	27,313
15-AA-0062	Tehachapi SLF	2007	No			32	390,000	33,662
15-AA-0063	McFarland-Delano LF	1992	Active-Flare			40	600,000	0
15-AA-0150	Edwards AFB Main LF	2021	No			64	300,000	11,039
15-AA-0273	Bakersfield SLF (Bena)	2038	No (Tier 2 NSPS/EG control measures required at 2015)			229	4,500,000	338,163
16-AA-0004	Avenal LF	2039	No			87	750,000	9,828
16-AA-0009	Hanford LF	1998	Active-Flare			79	380,000	0
16-AA-0011	Corcoran LF	1988	No			21	500,000	0
16-AA-0021	Kettleman Hills SLF	2023	Active-Flare (proposed)			43	300,000	184,548
17-AA-0001	Easilake SLF	2027	No			31	500,000	46,712
18-AA-0003	Bieber LF	1992	No			8	<100,000	0
18-AA-0004	Madeline DF	1997	No			<1	<100,000	0
18-AA-0005	Ravendale DF	1997	No			<1	<100,000	0
18-AA-0009	Bass Hill LF	2010	No			<10?	170,000	10,699
18-AA-0010	Westwood DF	1999	No			<5?	<100,000	<1,000
18-AA-0011	Herflong DF	1996	No			8	<100,000	<1,000
18-AA-0013	Sierra Army Depot	2032	No			32	<100,000	<1,000
19-AA-0009	Antelope Valley	2001 (expansion planned)	Active-Flare proposed during operation of expanded facility			57	1,700,000	166,424
19-AA-0012	Scholl Canyon LF	2014	Active-Flare/LFGTE	Pipeline Use (10 mmiscfd)	Palmer	239	24,000,000	424,836
19-AA-0013	Azusa LF	2009	Active-Flare/LFGTE	Engine- 3 MW	EDI	302	11,000,000	190,381
19-AA-0015	Spadra LF	2000	Active-Flare/LFGTE	Steam Turbine- 9 MW	LACSD	173	17,000,000	127,089
19-AA-0040	Burbank LF #3	2053	Active-Flare/LFGTE (shutdown site per USEPA)	Microturbines		49	500,000	41,433
19-AA-0050	Lancaster Waste Mgt.	2002 (expansion planned)	Active-Flare			78	400,000	154,766
19-AA-0052	Chiquita Canyon	2019	Active-Flare (LFGTE planned)	Pipeline Use (planned)		271	5,000,000	1,374,553
19-AA-0053	Puente Hills LF	2003	Active-Flare/LFGTE	Steam Turbine/Direct Use/Vehicle Fuel (LNG)- 50 MW	LACSD	300	88,000,000	3,646,069
19-AA-0056	Calabasas LF	2018	Active-Flare/LFGTE	Engine- 10 MW	LACSD	310	19,000,000	346,690
19-AA-0057	Pitchess Detention Cntr	1993	No			15	<100,000	0
19-AA-0061	Pebbly Beach	2033	No			6	<100,000	1,020
19-AA-0062	Two Harbors LF	1995	No			2	<100,000	<1,000
19-AA-0063	US Navy LF (San Clemente Island)	2029	No			3	<100,000	1,465
19-AA-0819	Toyon	1986	Active-Flare/LFGTE	Engine- 9 MW	Ogden	88	16,000,000	0
19-AA-0820	Lopez Canyon LF	1996	Active-Flare/LFGTE	Engine- 6.1 MW and Microturbines	NEO	161	19,000,000	0
19-AA-0821-0823	Mission Canyon LF (aka Mountaingate)	1981 (#4-#8) 1965 (#1-#3)	Active-Flare/LFGTE	Direct Use- 4 mmiscfd	GSF Energy	375	26,800,000	0

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 (CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated >1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
19-AA-0835	Sheldon-Arieta	1974	Active-Flare/LFGTE (shutdown site per USEPA)	Engine- 4.1 MW	Covanta	42	3,000,000	0
19-AA-0836	Operating Industries (Oil) (Federal NPL Site)	<1/1/88	Active-Flare			190	22-30,000,000	0
19-AA-0853	Sunshine Canyon	2004	Active-Flare/LFGTE	Engine- 6 MW	GRS	215	20,000,000	1,485,832
19-AA-5584-5588	Industry Hills Sheraton Resort	<1/1/88	Active-Flare/LFGTE	Direct Use (Boiler)- 0.5 mmscfd	City of Industry		>1,000,000	0
19-AE-0001	Palos Verdes	1980	Active-Flare/LFGTE	Steam Turbine- 9 MW	LACSD	291	23,573,729	0
19-AF-0001	BKK West Covina DS	1996	Active-Flare/LFGTE	Gas and Steam Turbine- 11.4 MW	NEO	175	38,000,000	0
19-AH-0001	Whittier- Savage Canyon	2039	Active-Flare			132	2,000,000	87,950
19-AI-0001	Nonwalk Dump	<1/1/88	Active-Flare				500,000-1,000,000	0
19-AK-0003	Loynes/Bixby	<1/1/88	Active-Flare				<500,000	0
19-AQ-0012	Cal Compact/Metro LF	1965	No			180	4,000,000	0
19-AQ-0014 19-AA-5589	BKK Carson (Victoria Golf Course)	<1/1/88	No				>1,000,000	0
19-AQ-0016	Gardena Valley #6 (Ford Center)	<1/1/88	Active-Flare				500,000-1,000,000	0
19-AR-0003	Ascon Sanitary LF	<1/1/88	Active-Flare/LFGTE (shutdown site per USEPA)	Direct Use- 0.7 mmscfd			2,400,000	0
19-AR-0004	Bradley Ave East & West	2002	Active-Flare/LFGTE	Direct Use- 3.5 mmscfd	WMI	148	20,000,000	2,342,779
19-AR-0006	Pemrose Pit	<1/1/88	Active-Flare/LFGTE	Engine- 9.3 MW	Covanta		9,000,000	0
19-AR-5068	Bishop Canyon LF	1969	Passive Venting and Air Injection			45	1,700,000	0
19-CR-5036	Pick Your Parts LF	<1/1/88	Active-Flare				500,000-1,000,000	0
19-CR-5517	Gairley St.	<1/1/88	Active-Flare (proposed)				<500,000	0
20-AA-0001	Fairmead LF	2026	Active-Flare			56	500,000	96,755
21-AA-0001	Redwood SLF	2039	Active-Flare			195	4,000,000	381,345
21-AA-0002	West Marin SLF	1998	No			15	<100,000	0
22-AA-0001	Mariposa Co. SLF	2081	No			40	300,000	12,603
23-AA-0003	Casper Refuse DF	1994	Passive Venting			16	200,000	0
23-AA-0008	Laytonville LF	1997	No			7	<100,000	0
23-AA-0018	South Coast Rd LF	2000	No			5	<100,000	1,876
23-AA-0019	City of Ukiah SWDS	2001	Active-Venting (LFGTE candidate per USEPA)			40	1,500,000	42,856
23-AA-0021	City of Willits DS	1997	Passive Venting			19	<100,000	0
24-AA-0001	Hwy 59 DS	2043	Active-Flare (planned within 5 years based on NSPF Tier 2)			255	3,200,000	168,237
24-AA-0002	Billy Wright LF	2009	No			40	500,000	48,631
25-AA-0001	Alturas	2009	No			<10?	<100,000	<1,000
25-AA-0002	Eagleview	1993	No			2	<100,000	0
25-AA-0003	Fort Bidwell	1993	No			1	<100,000	0
25-AA-0004	Lake City	1993	No			3	<100,000	0
25-AA-0021	Cedarville	1993	No			2	<100,000	0
26-AA-0001	Walker SLF	2194	No			10	<100,000	<1,000
26-AA-0002	Bridgeport SLF	2107	No			13	<100,000	<1,000
26-AA-0003	Pumice Valley	2036	No			20	<100,000	5,142
26-AA-0004	Benton Crossing	2014	No			52	200,000	22,124
26-AA-0005	Chalfant SLF	2155	No			7	<100,000	0
26-AA-0006	Benton SLF	2212	No			7	<100,000	<1,000
27-AA-0003	Lewis Rd. LF	2002	Active-Flare			14	400,000	20,101
27-AA-0005	Johnson Cryn LF	2045	Active-Flare			80	200,000	49,311
27-AA-0006	Jolon Rd LF	2018	No			24	275,000	0
27-AA-0007	Crazy Horse LF	2004	Active-Flare/LFGTE	Engine- 1.4 MW	Covanta	66	1,100,000	180,899
27-AA-0010	Monterey Peninsula LF	2084	Active-Flare/LFGTE	Engine- 2.8 MW	ZAPCO	315	6,200,000	207,345

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CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
27-AA-0012	Lake San Antonio South Shore LF	1991	No			6	<100,000	0
28-AA-0001	American Canyon LF	2000	Active-Flare/LFGTE	Engine- 1.5 MW	GRS	97	2,100,000	0
28-AA-0002	Clover Flat LF	2020	No			44	300,000	48,094
28-AA-0003	Berryessa Garbage	1992	No			7	<100,000	0
29-AA-0001	McCourtney Rd LF	1997	No (LFGTE candidate per USEPA)			36	1,000,000	0
30-AB-0017	Coyote Canyon SLF	1992	Active-Flare/LFGTE	Steam Turbine- 20 MW	GRS	300	27,000,000	0
30-AB-0018	Santiago Canyon SLF	1995	Active-Flare (LFGTE planned/candidate per USEPA)			113	11,000,000	<1,000
30-AB-0019	Prima Descha SLF	2040	Active-Flare/LFGTE	Engine- 6.0 MW	NEO	800	24,000,000	724,251
30-AB-0035	Olinda Alpha SLF	2013	Active-Flare/LFGTE	Engine- 5.7 MW	GSF Energy	335	33,000,000	1,929,343
30-AB-0360	Frank R. Bowerman	2028	Active-Flare/LFGTE	Vehicle Fuel (LNG)	Ecogas	362	20,000,000	2,094,978
31-AA-0110	Roseville LF	1980	Passive Venting				500,000-1,000,000	0
31-AA-0120	Berry Street Mail LF	1992	No			13	100,000	0
31-AA-0140	Loomis Landfill	<1/1/88	Active-Flare				<500,000	0
31-AA-0210	Western Regional LF	2016	Active-Flare (LFGTE planned)	Engine- 1.2 MW (planned)		231	3,500,000	200,128
31-AA-0520	Meadow Vista LF	<1/1/88	Active-Flare				<500,000	0
31-AA-0530	Clipper Creek LF	1990	No			2	<100,000	0
31-AA-0550	Collax LF	2002	No			3	<100,000	0
31-AA-0560	Eastern Regional LF	1994	Active-Flare			36	500,000	0
32-AA-0007	Portola LF	2022	No			8	<100,000	1,029
32-AA-0008	Gopher Hill LF	2016	No			13	200,000	0
32-AA-0009	Chester LF	2045	No			28	100,000	0
33-AA-0001	Tequesquite/City of Riverside	1985	No				>1,000,000	0
33-AA-0002	West Riverside	<1/1/88	Active-Flare				500,000-1,000,000	0
33-AA-0003	Highgrove LF	1998	Active-Flare			71	2,900,000	0
33-AA-0006	Badlands DS	2018	Active-Flare/LFGTE	Engine- 2.5 MW		150	2,500,000	503,387
33-AA-0007	Lamb Canyon DS	2024	Active-Flare (LFGTE planned)			138	3,000,000	148,757
33-AA-0008	Double Butte DS	1995	Active-Flare			100	3,800,000	0
33-AA-0009	Mead Valley DS	1997	Active-Flare/LFGTE proposed	Engine- 1 MW (planned)		60	2,000,000	0
33-AA-0011	Edom Hill DS	2002	Active-Flare (LFGTE planned)	Engine- 2 MW (planned)		148	2,000,000	413,699
33-AA-0012	Coachella Valley DS	1997	Active-Flare/LFGTE proposed (LFGTE planned/candidate per USEPA)	Engine- 1 MW (planned)		75	2,200,000	0
33-AA-0013	Anza DS	1999	No			20	100,000	0
33-AA-0015	Oasis DS	2019	No			26	100,000	0
33-AA-0016	Desert Center DS	2011	No			7	150,000	<1,000
33-AA-0017	Blythe DS	2033	Active-Flare (LFGTE planned/candidate project per USEPA)			78	1,200,000	24,644
33-AA-0071	Mecca Landfill II	2011	No			27	100,000	12,546
33-AA-0217	El Sobrante SWLF	2030	Active-Flare/LFGTE	Engine- 1.2 MW		495	5,000,000	932,913
33-AA-0228	Eagle Mtn.	>2100	Active-Flare/LFGTE proposed during operation			2247	0 (500,000,000 capacity construction to start 2005-10)	0
34-AA-0001	Kiefer LF	2035	Active-Flare/LFGTE	Engine- 9.1 MW	LES/DTE Biomass	667	16,000,000	533,744
34-AA-0007	Dixon Pit LF	1999	Active-Flare			30	100,000	11,000
34-AA-0018	Sacramento City LF	1994	Active-Flare/LFGTE	Direct Use- 1.6 mmscid	GRS	130	3,900,000	0
34-AA-0020	L & D LF	2018	Active-Venting			146	1,000,000	169,916
35-AA-0001	John Smith Road SWDS	2017	No (Active-Flare in place not operational)			33	800,000	64,510
36-AA-0005	Upland LF	<1/1/88	Active-Flare (shutdown site per USEPA)				500,000-1,000,000	0
36-AA-0017	California St. LF	2007	Active-Flare			65	1,400,000	50,617
36-AA-0026	Oro Grande	1993	No			5	400,000	0

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(CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated >1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
36-AA-0039	Newberry	1991	No				<100,000	0
36-AA-0041	Trona Angus LF	1996	No			2	<100,000	0
36-AA-0044	Phelan RDS	2004	No			22	750,000	0
36-AA-0045	Victorville RDS	2005	No			30	1,300,000	211,387
36-AA-0046	Barstow RDS	2007	No			67	500,000	47,654
36-AA-0047	Yermo DS	1999	No			12	<100,000	0
36-AA-0048	Apple Valley DS	2004	No			38	100,000	0
36-AA-0049	Baker RDS	1997	No			10	<100,000	0
36-AA-0050	Hesperia RDS	2001	Active-Flare (proposed)			50	200,000	0
36-AA-0051	Colton LF	2006	Active-Flare (LFGTE planned)	Direct Use- 2.5 MW/1.8 mmscid (planned)	NEO/BAS	82	4,500,000	236,389
36-AA-0054	Milliken	2001	Active-Flare (LFGTE planned)	Engine- 5 MW (planned)	NEO/BAS	140	11,000,000	0
36-AA-0055	Fontana RDS (Mid-Valley)	2033	Active-Flare (LFGTE planned)	Direct Use- 3.8 MW/2.8 mmscid (planned)	NEO/BAS	408	8,000,000	299,525
36-AA-0056	Big Bear RDS	2002	No			27	250,000	35,497
36-AA-0057	Landers DS	2008	No			44	350,000	53,031
36-AA-0058	Morongo DS	1996	No			12	350,000	0
36-AA-0059	Needles Sanitary LF	1994	No			50	100,000	0
36-AA-0060	Twenty-nine Palms DS	1997	No			44	500,000	0
36-AA-0061	Lenwood-Hinkley	1997	No			54	200,000	0
36-AA-0062	Lucerne Vly	1993	No			6	<100,000	0
36-AA-0067	USMC- 29 Palms	2002	No			39	100,000	3,981
36-AA-0068	Fort Irwin	2093	No			467	250,000	7,512
36-AA-0084	Echo Gold	1998	No			7	<100,000	0
36-AA-0087	San Timoteo SWDS	2016	Active-Flare (LFGTE planned)	Engine- 2.1 MW (planned)	NEO/BAS	114	2,000,000	119,825
37-AA-0001	Jamacha	<1/1/88	Active-Flare/LFGTE	Microturbines- 300 KW		46	1,800,000	0
37-AA-0002	Valley Center	<1/1/88	No			25	130,000	0
37-AA-0005	Ramona LF	2006	Active-Flare			46	<100,000	58,791
37-AA-0006	Bonrego Springs LF	2013	No			107	5,600,000	3,656
37-AA-0008	San Marcos LF	1997	Active-Flare/LFGTE	Gas Turbine- 1.5 MW	GRS	230	10,000,000	916,108
37-AA-0009	Olay SWLF	2027	Active-Flare/LFGTE	Engine- 3.7 MW	Covanta	30	580,000	0
37-AA-0016	Encinitas	<1/1/88	Active-Flare			12	165,000	0
37-AA-0018	Poway	<1/1/88	Active-Flare			20	500,000-1,000,000	0
37-AA-0019	Gillespie	<1/1/88	Air Injection			470	9,000,000	1,295,109
37-AA-0020	Miramar SWLF	2011	Active-Flare/LFGTE	Engine/Direct Use- 10.3 MW	NEO	120	4,700,000	0
37-AA-0022	South Chollas	<1/1/88	Active-Flare/LFGTE	Vehicle Fuel (LNG)		340	9,000,000	900,347
37-AA-0023	Sycamore SW LF	2015	Active-Flare/LFGTE	Gas Turbine- 1.5 MW	GRS	16	350,000	0
37-AA-0027	Hillsborough	<1/1/88	Active-Flare			64	500,000-1,000,000	0
37-AA-0429	Arizona St.	<1/1/88	Active-Flare			31	<100,000	3,317
37-AA-0434	Paradise Pk	<1/1/88	No			89	<500,000	20,667
37-AA-0902	San Onofre LF	2257	No			24	500,000-1,000,000	0
37-AA-0903	Las Pulgas LF	2184	No			218	2,000,000	120,000
37-AH-0002	Palomar	<1/1/88	Active-Flare			60	2,000,000	0
37-AK-0006	Maxon St.	<1/1/88	Active-Flare			97	2,000,000	0
37-AO-0009	Old San Marcos	<1/1/88	Active-Flare			50	2,000,000	253,029
39-AA-0001	Austin Rd. LF	<1/1/88	Active-Flare			30	500,000	0
39-AA-0002	French Camp LF	2053	Active-Flare/LFGTE	Engine- 0.8 MW	Covanta	129	2,200,000	1,050,305
39-AA-0003	Hamey Lane LF	1994	Active-Flare			185	1,000,000	105,029
39-AA-0004	Foothill LF	2054	Active-Flare			66	2,800,000	41,124
39-AA-0005	Corral Hollow	1995	No (LFGTE candidate per USEPA)			12	<100,000	<1,000
39-AA-0015	Forward LF	2006	Active-Flare					
39-AA-0022	North County LF	2033	No					
40-AA-0001	Paso Robles LF	2031	Active-Flare					
40-AA-0002	Camp Roberts SWDS	2015	No					

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(CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated >1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
40-AA-0004	Cold Canyon	2017	Active-Flare/LFGTE	Direct Use- 0.5 mmscfd		88	3,400,000	170,654
40-AA-0008	Chicago Grade	2018	Active-Flare			36	350,000	40,949
40-AA-0009	Camp San Luis Obispo	1989	No			8	<100,000	0
40-AA-0014	California Valley LF	1997	No			6	<100,000	0
41-AA-0002	Corinda Los Trancos LF (Ox Mtn)	2023	Active-Flare (LFGTE planned)	Gas Turbine- 10 MW (planned)	GRS	184	9,000,000	901,950
41-AA-0008	Hillside LF	2001	Active-Flare			30	2,500,000	95,938
41-AA-0009	Burlingham LF	1994	No			41	2,000,000	0
41-AA-0010	San Mateo Composting (3rd Ave.)	1989	No			44	600,000	0
41-AA-0011	Marsh Road	<1/1/88	Active-Flare/LFGTE	Engine- 2 MW	GRS	5	5,000,000	0
42-AA-0010	New Cuyama	1997	No			0	<100,000	0
42-AA-0011	Foxen LF	2001	Active-Flare			18	500,000	30,868
42-AA-0012	Vandenberg AFB	2034	No			46	300,000	10,258
42-AA-0013	Ventucopa LF	1997	No			2	<100,000	0
42-AA-0015	Tajiguas LF	2006	Active-Flare/LFGTE	Engine- 2.8 MW	NEO	78	5,000,000	189,142
42-AA-0016	City of Santa Maria LF	2003	Active-Flare			186	700,000	139,955
42-AA-0017	Lompoc LF	2047	Active-Flare (shutdown site per USEPA)			63	500,000	43,573
43-AA-0004	Pacheco Pass LF	2004	Active-Flare			91	1,000,000	90,379
43-AA-0006	Shoreline-Mtn. View (Vista)	1993	Active-Flare/LFGTE (shutdown site per USEPA)	Engine- 1.5 MW		150	1,000,000	0
43-AA-0007	Sunnyvale LF	1994	Active-Flare/LFGTE	Engine- 1 MW	City of Sunnyvale	92	2,300,000	0
43-AM-0001	Palo Alto RDS	2011	Active-Flare/LFGTE	Engine- 1 MW	Emcom/WPI	126	700,000	35,544
43-AN-0003	Newby Island	2016	Active-Flare/LFGTE	Engine- 5.3 MW (Direct use planned)	GRS	313	2,500,000	659,073
43-AN-0007	Zanker Rd. LF	2005	No			47	1,000,000	16,250
43-AN-0008	Kirby Canyon LF	2025	Active-Flare			311	2,500,000	391,838
43-AN-0015	Guadalupe SLF	2020	Active-Flare/LFGTE	Engine- 2.5 MW	GRS	115	3,000,000	293,959
43-AC-0001	All Purpose LF	1993	Active-Flare/LFGTE	Engine- 1.4 MW		25	1,000,000	0
44-AA-0001	City of Santa Cruz LF	2037	Active-Flare/LFGTE	Gas Turbine- 0.7 MW	GRS	58	1,500,000	75,293
44-AA-0002	City of Waisonsville	2023	Active-Flare			31	500,000	30,494
44-AA-0003	Ben Lomond WDS	1994	Active-Flare			24	700,000	0
44-AA-0004	Buena Vista DS	2021	Active-Flare/LFGTE	Engine- 0.3 MW	Emcon/ Perennial	24	2,000,000	111,785
45-AA-0019	Redding SLF (Benton)	1994	Active-Flare			71	800,000	0
45-AA-0020	Anderson LF	2049	Active-Venting			167	500,000	74,734
45-AA-0022	Intermountain LF	1993	No			4	<100,000	0
45-AA-0043	West Central (Phase 2)	2013	No			100	700,000	125,527
46-AA-0001	Loyalton LF	2032	No			29	<100,000	2,896
47-AA-0001	McCloud	1995	No			13	<100,000	0
47-AA-0002	Yreka LF	2109	No			5	<100,000	8,303
47-AA-0003	Black Butte SWDS	2002	No			27	<100,000	6,359
47-AA-0019	Weed SWDS	1995	No			6	<100,000	0
47-AA-0026	Happy Camp SWDS	1996	No			3	<100,000	0
47-AA-0027	Tulelake SWDS	2001	No			9	<100,000	<1,000
47-AA-0029	Kelly Gulch LF	1994	No			1	<100,000	0
47-AA-0030	Cecilville LF	1994	No			1	<100,000	0
47-AA-0031	Lava Beds LF	1995	No			1	<100,000	0
47-AA-0035	New Tenant SWDS	1995	No			10	<100,000	0
47-AA-0044	Rogers Creek LF	1994	No			1	<100,000	0
47-AA-0045	Hollings Gulch LF	1994	No			3	<100,000	0
48-AA-0002	B & J Drop Box	2055	No (Tier 2 NSPS/EG control measures required at 2025)			260	3,000,000	126,106

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(CA municipal solid waste (MSW) landfills active post-1/1/88 and pre-1/1/88 sites with active gas control systems or estimated > 1M tons MSW in-place)

CIWMB SWIS File	Facility Name	Estimated Closure Date	Landfill Gas Control & and Gas-to-Energy (LFGTE) Systems	LFGTE System Type and Estimated Production Capacity	LFGTE Project Developer	Max. Waste Footprint Acres	Estimated MSW Tons In-Place-2000	MSW Tons Disposed-2000
48-AA-0004	Rio Vista	1992	No	Engine- 1 MW	Nove	12	200,000	0
48-AA-0075	Potrero Hills	2059	Active-Flare/LFGTE	Engine- 6.4 MW (Vehicle Fuel (LNG) planned)	LEA/DTE	190	3,500,000	315,631
49-AA-0001	Central LF	2014	Active-Flare/LFGTE		Biomass	172	10,000,000	494,743
49-AA-0002	Annapolis LF	1995	No			5	<100,000	0
49-AA-0004	Healdsburg	1993	Active-Flare			27	500,000	0
50-AA-0001	Fink Rd LF	2019	Active-Flare			216	1,500,000	177,975
50-AA-0002	Geer Road LF	1990	Active-Flare			144	250,000	0
50-AA-0003	Bonzi LF	1991	Active-Flare			35	500,000	14,350
52-AA-0001	Red Bluff LF	2003	Active-Flare (proposed)			33	750,000	44,452
53-AA-0013	Weaverville LF	2050	No			17	100,000	<1,000
54-AA-0001	Earlhart DS	1998	No			16	<100,000	<1,000
54-AA-0002	Exeter DS	2004	No			34	<100,000	0
54-AA-0004	Teapot Dome DS	2005	No (LFGTE candidate per USEPA)			71	1,000,000	55,977
54-AA-0008	Woodville DS	2039	Active-Flare/LFGTE	Engine- 1 MW	NEO	271	2,000,000	69,404
54-AA-0009	Visalia DS	2019	Active-Flare/LFGTE	Engine- 1.6 MW	NEO	127	1,500,000	135,686
54-AA-0010	Balance Rock DS	1998	No			10	<100,000	0
54-AA-0011	Kennedy Meadows DS	2002	No			6	<100,000	0
54-AA-0001	Big Oak Flat LF	2002	No			5	<100,000	<1,000
55-AA-0002	Tuolumne Central (Jamestown)	1996	No			16	500,000	0
56-AA-0005	Toland Rd. LF	2027	Active-Flare/LFGTE proposed during operation			86	2,000,000	330,457
56-AA-0007	Simi Valley LF	2012	Active-Flare			142	6,000,000	581,776
56-AA-0008	Pacific Missile TC LF	1991	No			6	<100,000	0
56-AA-0011	Bailard LF	1996	Active-Flare/LFGTE	Engine- 3.3 MW	Covanta	120	3,800,000	0
56-AA-0122	Coastal LF (aka Santa Clara LF)	1989	Active-Flare/LFGTE (shutdown site per USEPA)	Engine- 5.6 MW	Covanta	63	2,500,000	0
57-AA-0001	Yolo Co. Central LF	2020	Active-Flare/LFGTE	Engine- 2.3 MW (Expansion to 12 MW & Microturbines planned for bioreactor LF project)	NEO	347	4,000,000	165,670
57-AA-0004	UC Davis LF	2032	Active-Flare			53	350,000	13,256
58-AA-0001	Beale AFB LF	1997	Passive Venting			88	400,000	0
58-AA-0002	Ponderosa SLF	1995	No			10	<100,000	0
58-AA-0005	Yuba Sutter Disposal Inc. LF (YSDI)	1997	Active-Flare (LFGTE planned)	Direct Use (planned)		33	1,300,000	0
58-AA-0006	Yuba Sutter Disposal Area LF (YSDA)	1997	No (LFGTE candidate per USEPA- recommend remove from list- site is abandoned and was remediated by CIWMB)			12	250,000	0
58-AA-0011	Ostrom Road SLF	2038	No (LFGTE planned/candidate per USEPA)			221	700,000	200,911

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