
Pacific Gas and Electric Company

*Cogeneration and
Small Power Production
Semi-Annual Report*

July 2006

Pacific Gas and Electric Company

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Small Power Production
Semi-Annual Report***

**to the
California Public Utilities
Commission**

July 2006

Pacific Gas and Electric Company

Summary of Projects

July 2006

Signed Contracts * Currently Delivering

Project Type	Number of Projects	Operating Size (kW)
COGENERATOR		
	85	2,530,186
SMALL POWER PRODUCER		
BIOGAS	15	55,887
BIOMASS	21	438,300
GEOTHERMAL	8	152,900
HYDRO	89	217,582
SOLAR	1	7
WASTE TO ENERGY	7	111,750
WIND	32	637,130
Total	258	4,143,742

Projects Terminated During the Half Year

All Project Types	Number of Projects	Nameplate (kW)
Total	2	55,670

* Includes projects that have delivered within the last twelve months.

Table 1

Summary of Signed Contracts

Cogeneration Projects - Operational and Currently Delivering

July 2006

COGENERATOR

No.	Log. No.	Project Name	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date	Enhanced Oil Recovery
1	02C048	1080 CHESTNUT CORP.	SAN FRANCISCO / SAN FRANCISCO	3	NATURAL GAS	60	3/23/88	
2	25C249	AERA ENERGY LLC. (COALINGA)	COALINGA / FRESNO	1	NATURAL GAS EOR	8,500	6/3/88	Yes
3	25C258	AERA ENERGY LLC. (N. MIDWAY SUNSET)	BAKERSFIELD / KERN	1	NATURAL GAS EOR	4,250	6/19/88	Yes
4	25C180EO1	AERA ENERGY LLC. (OXFORD)	FELLOWS / KERN	1	NATURAL GAS EOR	5,200	9/19/84	Yes
5	25C049EO1	AERA ENERGY LLC. (S. BELRIDGE)	BELRIDGE / KERN	1	NATURAL GAS EOR	48,000	1/10/86	Yes
6	04C140	AIRPORT CLUB	SANTA ROSA / SANTA ROSA	3	NATURAL GAS	60	8/27/92	
7	16C047	ALTAMONT COGENERATION CORP.	TRACY / SAN JOAQUIN	4	NATURAL GAS	6,500	4/13/90	
8	02C047	ARDEN WOOD BENEVOLENT ASSOC.	SAN FRANCISCO / SAN FRANCISCO	3	NATURAL GAS	90	9/9/87	
9	25C250	BADGER CREEK LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	4/1/91	Yes
10	25C251	BEAR MOUNTAIN LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	4/3/95	Yes
11	25C099EO1	BERRY PETROLEUM COGEN	TAFT / KERN	1	NATURAL GAS EOR	38,000	12/8/86	Yes
12	25C151EO1	BERRY PETROLEUM COMPANY	TAFT / KERN	1	NATURAL GAS EOR	17,000	12/8/86	Yes
13	18C006	CALPINE KING CITY COGEN.	KING CITY / MONTEREY	4	NATURAL GAS	120,000	3/14/89	
14	08C022	CALPINE MONTEREY COGEN INC.	WATSONVILLE / SANTA CRUZ	4	NATURAL GAS	28,500	4/27/90	
15	01C052	CALPINE PITTSBURG POWER PLANT	PITTSBURG / CONTRA COSTA	1	NATURAL GAS	65,500	7/1/77	
16	08C003	CARDINAL COGEN	STANFORD UNIVERSITY / SANTA CLARA	4	NATURAL GAS	49,900	2/20/88	
17	25C272	CHALK CLIFF LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	3/20/90	Yes
18	01C202	CHEVRON RICHMOND REFINERY	RICHMOND / CONTRA COSTA	1	NATURAL GAS	99,000	8/31/92	
19	25C055	CHEVRON USA (COALINGA)	COALINGA / FRESNO	1	NATURAL GAS EOR	16,500	11/7/86	Yes
20	01C080	CHEVRON USA (CONCORD)	CONCORD / CONTRA COSTA	1	NATURAL GAS	3,000	3/29/88	
21	25C003	CHEVRON USA (CYMRIC)	CYMRIC / KERN	1	NATURAL GAS EOR	21,040	10/15/82	Yes
22	25C248	CHEVRON USA (EASTRIDGE)	BAKERSFIELD / KERN	1	NATURAL GAS EOR	48,800	6/13/88	Yes
23	25C002	CHEVRON USA (TAFT/CADET)	TAFT / KERN	1	NATURAL GAS EOR	10,000	7/26/82	Yes
24	06C061	CITY OF FAIRFIELD	FAIRFIELD / SOLANO	1	NATURAL GAS	775	8/15/84	
25	08C097	CITY OF MILPITAS	MILPITAS / SANTA CLARA	3	NATURAL GAS	60	10/6/89	
26	04C130	CITY OF VALLEJO (CUNNINGHAM POOL)	VALLEJO / SOLANO	3	NATURAL GAS	80	8/15/85	
27	25C124	COALINGA COGENERATION COMPANY	COALINGA / FRESNO	4	NATURAL GAS EOR	46,000	10/17/91	Yes
28	01C045	CROCKETT COGEN	CROCKETT / CONTRA COSTA	4	NATURAL GAS	260,000	12/20/95	
29	25C138	DAI / OILDALE , INC.	OILDALE / KERN	4	NATURAL GAS EOR	32,000	11/30/89	Yes
30	25C241	DOUBLE "C" LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	3/14/89	Yes
31	25C092	FRESNO COGENERATION CORPORATION	FRESNO / FRESNO	2	NATURAL GAS	25,000	12/27/89	
32	25C063EO1	FRITO LAY COGEN	BAKERSFIELD / KERN	1	NATURAL GAS	6,000	4/2/86	
33	08C010	GATX/CALPINE COGEN-AGNEWS INC.	SAN JOSE / SANTA CLARA	4	NATURAL GAS	36,100	10/19/90	
34	12C020	GREENLEAF UNIT #1	YUBA CITY / SUTTER	4	NATURAL GAS	49,500	1/11/89	
35	12C021	GREENLEAF UNIT #2	YUBA CITY / SUTTER	4	NATURAL GAS	49,500	10/12/89	

* Contract Type: 1/ As-Delivered Capacity Energy, 2/ Firm Capacity Energy, 3/ Energy Purchase, 4/ Long-term Energy _Capacity

Table 1

Summary of Signed Contracts

Cogeneration Projects - Operational and Currently Delivering

July 2006

COGENERATOR

No.	Log. No.	Project Name	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date	Enhanced Oil Recovery
36	01C201	HAYWARD AREA REC & PARK DIST.	HAYWARD / ALAMEDA	3	NATURAL GAS	60	2/2/88	
37	25C242	HIGH SIERRA LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	2/24/89	Yes
38	25C188	KERN FRONT LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	1/7/89	Yes
39	25C274	LIVE OAK LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	3/16/91	Yes
40	01C044	MARTINEZ COGEN LIMITED PARTNERSHIP	MARTINEZ / CONTRA COSTA	4	NATURAL GAS	99,900	2/23/87	
41	25C275	MCKITTRICK LIMITED	BAKERSFIELD / KERN	2	NATURAL GAS EOR	48,094	10/16/91	Yes
42	25C123EO1	MIDSET COGEN. CO.	TAFT / KERN	1	NATURAL GAS EOR	46,000	3/16/89	Yes
43	25C321	MIDWAY-SUNSET COGEN. CO.	FELLOWS / KERN	1	NATURAL GAS EOR	30,000	12/18/89	Yes
44	18C048	MONTEREY POWER COMPANY	SALINAS / MONTEREY	2	NATURAL GAS	6,000	12/29/90	
45	25C018	MT.POSO COGENERATION CO.	BAKERSFIELD / KERN	4	COAL	49,500	4/1/89	Yes
46	04C054	NAPA STATE HOSPITAL	NAPA / NAPA	1	NATURAL GAS	1,330	7/18/84	
47	02C058	NIHONMACHI TERRACE	SAN FRANCISCO / SAN FRANCISCO	3	NATURAL GAS	75	6/1/92	
48	25C337EO1	OCCIDENTAL OF ELK HILLS	TUPMAN / KERN	1	NATURAL GAS	58,914	11/2/94	
49	25C170	OILDALE ENERGY LLC	OILDALE / KERN	4	NATURAL GAS	33,800	12/29/84	
50	01C245	ORINDA SENIOR VILLAGE	ORINDA / CONTRA COSTA	3	NATURAL GAS	60	2/6/91	
51	12C019	OROVILLE COGEN	OROVILLE / BUTTE	2	NATURAL GAS	8,500	12/18/89	
52	01C084	PE - BERKELEY, INC.	BERKELEY / ALAMEDA	4	NATURAL GAS	26,350	5/19/87	
53	25C164	PE - KES KINGSBURG,LLC	KINGSBURG / FRESNO	2	NATURAL GAS	34,500	12/5/90	
54	25C293	PLAINS EXPLORATION AND PRODUCTION COMPANY	DOFELLOWS / KERN	1	NATURAL GAS EOR	6,064	9/2/88	Yes
55	25C308	PLAINS EXPLORATION AND PRODUCTION COMPANY	WEMCKITTRICK / KERN	1	NATURAL GAS EOR	4,000	1/27/90	Yes
56	16C007	POSDEF (COGEN NATIONAL)	PORT OF STOCKTON / SAN JOAQUIN	4	COAL	44,000	12/7/87	
57	13C160	RED BLUFF UNION HIGH SCHOOL	RED BLUFF / TEHAMA	3	NATURAL GAS	60	7/15/91	
58	01C108	RHODIA INC. (RHONE- POULENC)	MARTINEZ / CONTRA COSTA	1	NATURAL GAS	4,000	6/1/77	
59	25C076	RIO BRAVO POSO	BAKERSFIELD / KERN	4	COAL	37,000	9/27/89	Yes
60	16C034	RIPON COGENERATION, LLC	RIPON / SAN JOAQUIN	4	NATURAL GAS	49,500	4/19/88	
61	25C178	SAINT AGNES MED. CTR	FRESNO / FRESNO	1	NATURAL GAS	2,325	11/21/85	
62	18C053	SALINAS RIVER COGEN CO.	SAN ARDO / MONTEREY	4	NATURAL GAS EOR	49,600	10/11/91	Yes
63	25C045	SAN JOAQUIN POWER COMPANY	ATWATER / MERCED	2	NATURAL GAS	10,750	4/19/91	
64	08C030	SAN JOSE COGEN	SAN JOSE / SANTA CLARA	1	NATURAL GAS	6,000	12/18/84	
65	08C026	SAN JOSE CONVENTION CENTER	SAN JOSE / SANTA CLARA	1	NATURAL GAS	1,500	4/2/90	
66	25C016	SANGER POWER, L.L.C.	SANGER / FRESNO	2	NATURAL GAS	38,000	12/11/90	
67	18C026	SANTA MARIA COGEN	SANTA MARIA / SANTA BARBARA	4	NATURAL GAS	8,044	6/21/89	
68	18C052	SARGENT CANYON COGEN. COMPANY	SAN ARDO / MONTEREY	4	NATURAL GAS EOR	49,600	10/7/91	Yes
69	01C199	SATELLITE SENIOR HOMES	OAKLAND / ALAMEDA	3	NATURAL GAS	60	7/17/86	
70	08C023EO1	SMURFIT-STONE CONTAINER ENTERPRISES INC.	SANTA CLARA / SANTA CLARA	1	NATURAL GAS	30,000	12/20/85	

* Contract Type: 1/ As-Delivered Capacity Energy, 2/ Firm Capacity Energy, 3/ Energy Purchase, 4/ Long-term Energy _Capacity

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Cogeneration Projects - Operational and Currently Delivering

July 2006

COGENERATOR

No.	Log. No.	Project Name	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date	Enhanced Oil Recovery
71	02C041	SRI INTERNATIONAL	MENLO PARK / SAN MATEO	1	NATURAL GAS	6,000	3/10/87	
72	01C089	STANFORD ENERGY GROUP	OAKLAND / ALAMEDA	1	NATURAL GAS	115	1/8/86	
73	16C036	STOCKTON COGEN CO.	STOCKTON / SAN JOAQUIN	4	COAL	49,900	2/27/88	
74	25C130	TEXACO EXPLORATION & PRODUCTION, INC. (FEE A)	OILDALE / KERN	2	NATURAL GAS EOR	7,450	6/25/86	Yes
75	25C168	TEXACO EXPLORATION & PRODUCTION, INC. (FEE C)	OILDALE / KERN	2	NATURAL GAS EOR	7,450	2/26/87	Yes
76	25C246	TEXACO EXPLORATION & PRODUCTION, INC. (SE KERN)	BAKERSFIELD / KERN	1	NATURAL GAS EOR	34,468	1/31/89	Yes
77	25C005EO1	TEXACO INC (NORTH MIDWAY)	MCKITTRICK / KERN	1	NATURAL GAS EOR	13,614	6/27/86	Yes
78	25C193EO1	TEXACO INC. (MCKITTRICK)	MCKITTRICK / KERN	1	NATURAL GAS EOR	10,970	10/1/84	Yes
79	01C061	TOSCO (RODEO PLANT)	RODEO / CONTRA COSTA	1	NATURAL GAS	49,900	5/21/87	
80	02C071EO1	UCSF	SAN FRANCISCO / SAN FRANCISCO	1	NATURAL GAS	12,600	1/26/98	
81	02C001	UNITED AIRLINES (COGEN)	SAN BRUNO / SAN MATEO	4	NATURAL GAS	30,000	9/12/86	
82	02C003	UNIVERSITY OF SAN FRANCISCO	SAN FRANCISCO / SAN FRANCISCO	1	NATURAL GAS	1,500	6/1/87	
83	13C082	WHEELABRATOR LASSEN INC.	ANDERSON / SHASTA	2	NATURAL GAS	42,000	4/28/83	
84	12C026	YUBA CITY COGEN	YUBA CITY / SUTTER	4	NATURAL GAS	49,000	12/27/90	
85	12C085	YUBA CITY RACQUET CLUB	YUBA CITY / SUTTER	3	NATURAL GAS	60	7/18/91	
Total:						2,530,186		

* Contract Type: 1/ As-Delivered Capacity Energy, 2/ Firm Capacity Energy, 3/ Energy Purchase, 4/ Long-term Energy _Capacity

Table 2

Summary of Signed Contracts

July 2006

Small Power Projects - Operational and Currently Delivering

BIOGAS

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
1	08C078	CITY OF WATSONVILLE	WATSONVILLE/SANTA CRUZ	1	DIGESTER GAS	550	1/23/93
2	18P014	COVANTA POWER PACIFIC (SALINAS)	SALINAS / MONTEREY	4	LANDFILL GAS	1,500	11/10/86
3	08P008	COVANTA POWER PACIFIC (SANTA CLARA)	SANTA CLARA / SANTA CLARA	4	LANDFILL GAS	2,000	10/22/86
4	16P001	COVANTA POWER PACIFIC (STOCKTON)	STOCKTON / SAN JOAQUIN	4	LANDFILL GAS	800	11/27/85
5	01P171	EBMUD (OAKLAND)	OAKLAND / ALAMEDA	1	DIGESTER GAS	4,000	10/20/91
6	04P010	GAS RECOVERY SYS. (AMERICAN CYN)	AMERICAN CANYON / NAPA	4	LANDFILL GAS	1,500	12/27/85
7	08P006	GAS RECOVERY SYS. (GUADALUPE)	LOS GATOS / SANTA CLARA	4	LANDFILL GAS	2,600	1/12/84
8	02P014	GAS RECOVERY SYS. (MENLO PARK)	MENLO PARK / SAN MATEO	2	LANDFILL GAS	2,000	1/11/83
9	08P004	GAS RECOVERY SYS. (NEWBY ISLAND 2)	SAN JOSE / SANTA CLARA	4	LANDFILL GAS	4,200	8/3/84
10	08P021	GAS RECOVERY SYSTEMS, INC [SANTA CRUZ]	SANTA CRUZ / SANTA CRUZ	4	LANDFILL GAS	933	11/22/88
11	10P058	LANGERWERF DAIRY	DURHAM / BUTTE	3	DIGESTER GAS	85	11/3/82
12	18P059	MONTEREY REGIONAL WASTE MGMT DIST.	MARINA / MONTEREY	2	LANDFILL GAS	2,779	12/30/83
13	18C001	MONTEREY REGIONAL WATER	MARINA / MONTEREY	1	DIGESTER GAS	1,740	8/26/88
14	16P052	STANISLAUS WASTE ENERGY CO.	CROWS LANDING / STANISLAUS	4	LANDFILL GAS	18,000	9/6/88
15	01P219	WASTE MANAGEMENT RENEWABLE ENERGY	LIVERMORE / ALAMEDA	1	LANDFILL GAS	13,200	5/4/89
Total:						55,887	

BIOMASS

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
16	13C010	BIG VALLEY POWER LLC	BIEBER / LASSEN	2	WOODWASTE	7,500	8/18/83
17	13C038	BURNEY FOREST PRODUCTS	BURNEY / SHASTA	4	WOODWASTE	31,000	10/17/89
18	10C003	COLLINS PINE	CHESTER / PLUMAS	2	WOODWASTE	12,000	4/4/84
19	19P005	DG FAIRHAVEN POWER, LLC	FAIRHAVEN / HUMBOLDT	4	WOODWASTE	17,250	9/15/86
20	10P005	HL POWER	WENDEL / LASSEN	4	WOODWASTE	30,000	7/26/89
21	25C013	MENDOTA BIOMASS POWER	MENDOTA / FRESNO	4	WOODWASTE	28,000	6/29/89
22	16P002	OGDEN POWER PACIFIC, INC. (CHINESE STATION)	CHINESE STATION / TUOLUMNE	4	WOODWASTE	22,000	6/4/86
23	12P001	OGDEN POWER PACIFIC, INC. (OROVILLE)	OROVILLE / BUTTE	4	WOODWASTE	18,000	9/26/85
24	13P118	OGDEN POWER PACIFIC, INC. (BURNEY)	BURNEY / SHASTA	4	WOODWASTE	9,750	8/15/84
25	10P001	OGDEN POWER PACIFIC, INC.(MT. LASSEN)	WESTWOOD / LASSEN	4	WOODWASTE	11,400	10/11/84

* Contract Type: 1/ As-Delivered Capacity Energy, 2/ Firm Capacity Energy, 3/ Energy Purchase, 4/ Long-term Energy Capacity

Table 2

Summary of Signed Contracts

July 2006

Small Power Projects - Operational and Currently Delivering

BIOMASS

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
26	19C010	PACIFIC LUMBER CO.	SCOTIA / HUMBOLDT	1	WOODWASTE	20,000	3/22/86
27	25P026	RIO BRAVO FRESNO	FRESNO / FRESNO	4	WOODWASTE	26,500	7/20/88
28	15P028	RIO BRAVO ROCKLIN	ROCKLIN / PLACER	4	WOODWASTE	25,000	6/9/89
29	13P163EO1	SIERRA PACIFIC IND. (ANDERSON)	ANDERSON/SHASTA	1	WOODWASTE	5,000	2/1/98
30	13C049	SIERRA PACIFIC IND. (BURNEY)	BURNEY / SHASTA	4	WOODWASTE	20,000	11/4/86
31	12C008	SIERRA PACIFIC IND. (LINCOLN)	LINCOLN / PLACER	4	WOODWASTE	7,500	6/3/86
32	10C018	SIERRA PACIFIC IND. (QUINCY)	QUINCY / PLUMAS	4	WOODWASTE	20,000	1/14/83
33	16P054	THERMAL ENERGY DEV. CORP.	TRACY / SAN JOAQUIN	4	WOODWASTE	21,000	4/26/90
34	12P018EO1	WADHAM ENERGY LTD. PART.	WILLIAMS / COLUSA	1	RICE HULLS	26,500	3/24/89
35	13P045	WHEELABRATOR SHASTA	COTTONWOOD / SHASTA	4	WOODWASTE	54,900	10/30/87
36	06P022	WOODLAND BIOMASS	WOODLAND / YOLO	4	AGRICULTURAL WASTE	25,000	8/31/89
Total:						438,300	

GEOTHERMAL

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
37	10G012	AMEDEE GEOTHERMAL VENTURE 1	WENDEL / LASSEN	4	GEOTHERMAL	2,200	9/11/88
38	04G012	CALPINE GEYSERS CO. L. P. (KW#1)	ANDERSON SPRINGS / LAKE	4	GEOTHERMAL	10,000	9/6/88
39	04G016	CALPINE GEYSERS CO. L. P. (KW#2)	ANDERSON SPRINGS / LAKE	4	GEOTHERMAL	10,000	9/2/88
40	04G025	CALPINE GEYSERS CO. L. P. (WFF)	THE GEYSERS / LAKE	4	GEOTHERMAL	30,000	12/11/88
41	04G018	GEOTHERMAL ENERGY PARTNERS 1	THE GEYSERS / SONOMA	4	GEOTHERMAL	10,000	6/16/89
42	04G019	GEOTHERMAL ENERGY PARTNERS 2	THE GEYSERS / SONOMA	4	GEOTHERMAL	10,000	5/28/89
43	04G057	GEYSERS POWER COMPANY, LLC	THE GEYSERS / LAKE	2	GEOTHERMAL	80,000	3/14/84
44	10G011	WINEAGLE DEVELOPERS 1	WENDEL / LASSEN	4	GEOTHERMAL	700	6/11/85
Total:						152,900	

* Contract Type: 1/ As-Delivered Capacity Energy, 2/ Firm Capacity Energy, 3/ Energy Purchase, 4/ Long-term Energy Capacity

Table 2

Summary of Signed Contracts

July 2006

Small Power Projects - Operational and Currently Delivering

HYDRO

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
45	25H038	AMERICAN ENERGY, INC. (WOLFSEN BYPASS)	LOS BANOS / MERCED	4	HYDRO	1,000	2/1/86
46	13H008	ARBUCKLE MOUNTAIN HYDRO	PLATINA / SHASTA	4	HYDRO	360	12/1/86
47	13H119	BAILEY CREEK RANCH	MANTON / SHASTA	3	HYDRO	800	5/26/82
48	19H002	BAKER STATION ASSOCIATES L.P.	BRIDGEVILLE / HUMBOLDT	4	HYDRO	1,500	12/10/87
49	12H054	BROWNS VALLEY IRRIGATION DIST.	BROWNS VALLEY / YUBA	1	HYDRO	1,275	6/29/84
50	16H008	CALAVERAS CTY WD	SAN ANDREAS / CALAVERAS	1	HYDRO	3,300	4/15/86
51	16H092	CALAVERAS YUBA HYDRO #1	MOKELUMNE HILL / CALAVERAS	3	HYDRO	90	4/15/86
52	16H177	CALAVERAS YUBA HYDRO #2	CHILI GULCH / CALAVERAS	3	HYDRO	90	4/15/86
53	16H178	CALAVERAS YUBA HYDRO #3	CHILI GULCH / CALAVERAS	3	HYDRO	90	4/15/86
54	25H204	CANAL CREEK POWER PLANT (RETA)	MERCED / MERCED	1	HYDRO	900	11/1/82
55	15H068	CHARCOAL RAVINE	SIERRA CITY / SIERRA	3	HYDRO	75	2/13/86
56	13H132	DIGGER CREEK RANCH	MONTON / TEHAMA	1	HYDRO	600	5/18/83
57	04H062	E J M MCFADDEN	POTTER VALLEY / MENDOCINO	1	HYDRO	350	7/1/83
58	15H012	EAGLE HYDRO	GEORGETOWN / EL DORADO	1	HYDRO	550	12/23/85
59	13H001	EL DORADO (MONTGOMERY CK)	MONTGOMERY CREEK / SHASTA	4	HYDRO	2,600	2/28/87
60	10H007	ERIC AND DEBBIE WATTENBURG	QUINCY / PLUMAS	1	HYDRO	275	4/6/85
61	25H193	FAIRFIELD POWER PLANT (PAPAZIAN)	MERCED / MERCED	1	HYDRO	900	8/2/83
62	04H011	FAR WEST POWER CORPORATION	POTTER VALLEY / MENDOCINO	4	HYDRO	400	9/30/87
63	10H010	FIVE BEARS HYDROELECTRIC	TAYLORSVILLE / PLUMAS	4	HYDRO	990	4/27/89
64	25H037	FRIANT POWER AUTHORITY	FRIANT / MADERA	4	HYDRO	25,000	4/16/85
65	13H123	HAT CREEK HEREFORD RANCH	HAT CREEK / SHASTA	3	HYDRO	100	12/9/82
66	15H005	HAYPRESS HYDROELECTRIC, INC. (LWR)	SIERRA CITY / SIERRA	4	HYDRO	6,100	4/11/89
67	15H006	HAYPRESS HYDROELECTRIC, INC. (MDL)	SIERRA CITY / SIERRA	4	HYDRO	8,700	4/15/89
68	15H002	HENWOOD ASSOCIATES	SIERRA CITY / SIERRA	4	HYDRO	594	11/28/84
69	19H051	HUMBOLDT BAY MWD	RUTH / TRINITY	1	HYDRO	2,000	4/10/83
70	10H013	HYPower, INC.	DE SABL A CITY / BUTTE	4	HYDRO	14,400	3/16/92
71	04H061	INDIAN VALLEY HYDRO	CLEAR LAKE / LAKE	1	HYDRO	3,335	9/15/83
72	16H095EO1	JACKSON VALLEY IRRIGATION DIST	IONE / AMADOR	1	HYDRO	455	9/1/82
73	10H059	JAMES B. PETER	TAYLORSVILLE / PLUMAS	3	HYDRO	15	1/17/84
74	10H090	JAMES CRANE HYDRO	CHICO / BUTTE	3	HYDRO	3	6/20/91

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Table 2

Summary of Signed Contracts

July 2006

Small Power Projects - Operational and Currently Delivering

HYDRO

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
75	04H134	JOHN NEERHOUT JR.	CALISTOGA / NAPA	3	HYDRO	85	5/1/87
76	25H073	KERN HYDRO (OLCESE)	BAKERSFIELD / KERN	4	HYDRO	16,000	5/18/89
77	25H150	KINGS RIVER HYDRO CO.	FRESNO / FRESNO	4	HYDRO	1,000	8/19/90
78	10H002	LASSEN STATION HYDRO	PULGA / BUTTE	4	HYDRO	990	5/22/86
79	13H120	LOFTON RANCH	BIG BEND / SHASTA	1	HYDRO	300	11/4/83
80	25H040	MADERA CANAL (1174 + 84)	MADERA / MADERA	4	HYDRO	563	4/11/86
81	25H042	MADERA CANAL (1923)	MADERA / MADERA	4	HYDRO	925	4/1/86
82	25H041	MADERA CANAL STATION 1302	MADERA / MADERA	4	HYDRO	424	4/16/86
83	25H036	MADERA-CHOWCHILLA WATER AND POWER AUTHORITY	MADERA / MADERA	4	HYDRO	1,800	2/2/85
84	13H047	MALACHA HYDRO L.P.	PITVILLE / LASSEN	4	HYDRO	26,000	12/7/88
85	13H125	MEGA HYDRO #1 (CLOVER CREEK)	OAK RUN / SHASTA	4	HYDRO	1,000	2/21/86
86	13H122	MEGA HYDRO (GOOSE VALLEY RANCH)	BURNEY / SHASTA	4	HYDRO	280	4/8/83
87	13H017	MEGA RENEWABLES (BIDWELL DITCH)	BURNEY / SHASTA	4	HYDRO	2,000	2/22/87
88	13H015	MEGA RENEWABLES (HATCHET CRK)	MONTGOMERY CR. / SHASTA	4	HYDRO	7,000	1/5/87
89	13H014	MEGA RENEWABLES (ROARING CRK)	MONTGOMERY CREEK / SHASTA	4	HYDRO	2,000	12/5/86
90	13H036	MEGA RENEWABLES (SILVER SPRINGS)	BIG BEND / SHASTA	4	HYDRO	600	8/15/87
91	25H185	MERCED ID (PARKER)	MERCED / MERCED	1	HYDRO	2,690	9/23/81
92	19H006	MILL & SULPHUR CREEK	DINSMORE / HUMBOLDT	4	HYDRO	995	2/23/88
93	18H034	MONTEREY CTY WATER RES AGENCY	SAN LUIS OBISPO / SAN LUIS OBISPO	4	HYDRO	3,750	7/13/87
94	13H042	NELSON CREEK POWER INC.	BIG BEND / SHASTA	4	HYDRO	1,100	12/19/88
95	15H015	NEVADA IRRIGATION DISTRICT/BOWMAN HYDROELECTRIC	NEVADA CITY / NEVADA	4	HYDRO	3,600	8/18/86
96	15H013	NID/COMBIE NORTH	MEADOW VISTA / PLACER	4	HYDRO	330	3/24/88
97	15H054EO1	NID/COMBIE SOUTH	PLACER CITY / PLACER	1	HYDRO	1,500	4/26/84
98	15H001EO1	NID/SCOTTS FLAT	NEVADA CITY / NEVEDA	1	HYDRO	850	12/14/84
99	19H004EO1	NORMAN ROSS BURGESS	ZENIA / TRINITY	1	HYDRO	1,300	12/28/84
100	13H024	OLSEN POWER PARTNERS	WHITMORE / SHASTA	4	HYDRO	5,000	1/3/90
101	25H149	ORANGE COVE IRRIGATION DIST.	FRESNO / FRESNO	4	HYDRO	450	8/23/90
102	13H128	PAN PACIFIC (WEBER FLAT)	COVINGTON MILL / TRINITY	4	HYDRO	975	1/11/84
103	15H059	PLACER COUNTY WATER AGENCY	FOREST HILL / PLACER	1	HYDRO	500	4/30/83
104	13H127	ROBERT W. LEE	MONTON / SHASTA	3	HYDRO	30	7/9/82

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July 2006

Small Power Projects - Operational and Currently Delivering

HYDRO

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105	06H011	ROCK CREEK L.P.	PLACERVILLE / EL DORADO	4	HYDRO	3,000	4/24/86
106	16H033	ROCK CREEK WATER DISTRICT	SALT SPRINGS VA / CALAVERAS	1	HYDRO	700	2/25/86
107	08H013	SANTA CLARA VALLEY WATER DIST.	MORGAN HILL / SANTA CLARA	4	HYDRO	800	12/1/88
108	16H030	SCHAADS HYDRO	WILSEYVILLE / CALAVERAS	1	HYDRO	230	2/18/86
109	19H048	SHAMROCK UTILITIES (CEDAR FLAT)	BURNT RANCH / TRINITY	4	HYDRO	300	1/9/84
110	13H012	SHAMROCK UTILITIES (CLOVER LEAF)	OAK RUN / SHASTA	4	HYDRO	200	2/1/85
111	15H055	SIERRA ENERGY	FORESTHILL / SONOMA	1	HYDRO	208	1/11/88
112	13H016	SNOW MOUNTAIN HYDRO LLC (BURNEY CREEK)	BURNEY / SHASTA	4	HYDRO	3,000	3/28/90
113	13H013	SNOW MOUNTAIN HYDRO LLC (COVE)	MONTGOMERY CR. / SHASTA	4	HYDRO	5,000	2/20/90
114	13H057EO1	SNOW MOUNTAIN HYDRO LLC (LOST CREEK 1)	LOST CREEK / SHASTA	1	HYDRO	1,400	10/9/89
115	13H041EO1	SNOW MOUNTAIN HYDRO LLC (LOST CREEK 2)	HAT CREEK / SHASTA	1	HYDRO	500	6/15/89
116	13H035	SNOW MOUNTAIN HYDRO LLC (PONDEROSA BAILEY CREMANTON / SHASTA		4	HYDRO	1,100	2/25/90
117	04H009	SONOMA COUNTY WATER AGENCY	GEYSERVILLE / SONOMA	4	HYDRO	2,600	12/22/88
118	16H094	SOUTH SAN JOAQUIN ID (FRANKENHEIMER)	OAKDALE / STANISLAUS	1	HYDRO	5,035	2/12/83
119	16H097	SOUTH SAN JOAQUIN ID (WOODWARD)	OAKDALE / STANISLAUS	1	HYDRO	2,850	4/16/82
120	12H004EO1	SOUTH SUTTER WATER	SHERIDAN / PLACER	1	HYDRO	395	7/17/85
121	13H130	STEVE & BONNIE TETRICK	MILLVILLE / SHASTA	3	HYDRO	100	10/14/83
122	12H007	STS HYDROPOWER LTD. (KANAKA)	FEATHER FALLS / BUTTE	4	HYDRO	1,100	2/13/89
123	13H039EO1	STS HYDROPOWER LTD. (KEKAWAKA)	ALDERPOINT / TRINITY	1	HYDRO	4,950	12/27/89
124	13H006	SUTTER'S MILL	/ SHASTA	1	HYDRO	150	6/25/85
125	15H069	SWISS AMERICA	AUBURN / PLACER	3	HYDRO	100	12/23/85
126	13H040	TKO POWER (SOUTH BEAR CREEK)	SHINGLETOWN / SHASTA	4	HYDRO	3,000	1/15/86
127	19H055	TOM BENNINGHOVEN	GARBERVILLE / HUMBOLDT	3	HYDRO	25	11/22/82
128	16H003	TRI-DAM AUTHORITY	SONORA / TUOLUMNE	4	HYDRO	16,200	5/19/86
129	04H052	VECINO VINEYARDS LLC	POTTER VALLEY / MENDOCINO	4	HYDRO	330	3/27/90
130	13H124	WATER WHEEL RANCH	MONTGOMERY CREEK / SHASTA	4	HYDRO	975	3/22/84
131	10H060	YOUTH WITH A MISSION/SPRINGS OF LIVING WATERS	CHICO / BUTTE	1	HYDRO	300	1/26/83
132	12H010	YUBA COUNTY WATER (QF)	CHALLENGE / YUBA	4	HYDRO	2,000	1/29/90
133	12H006	YUBA COUNTY WATER AGENCY	MARYSVILLE / YUBA	4	HYDRO	150	9/30/86
Total:						217,582	

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Table 2

Summary of Signed Contracts

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Small Power Projects - Operational and Currently Delivering

SOLAR

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
134	04S142	ROBIN WILLIAMS SOLAR POWER GEN	NAPA / NAPA	3	PHOTOVOLTAIC	7	4/16/93
Total:						7	

WASTE TO ENERGY

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
135	25C062	DOLE ENTERPRISES, INC	KERN / KERN	3	WASTE GAS	50	2/5/91
136	01P049	GWF POWER SYSTEMS INC. #1	PITTSBURG / CONTRA COSTA	4	PETROLEUM COKE	17,740	12/7/90
137	01P086	GWF POWER SYSTEMS INC. #2	PITTSBURG / CONTRA COSTA	4	PETROLEUM COKE	17,740	12/22/89
138	01P091	GWF POWER SYSTEMS INC. #3	ANTIOCH / CONTRA COSTA	4	PETROLEUM COKE	17,740	8/27/90
139	01P051	GWF POWER SYSTEMS INC. #4	ANTIOCH / CONTRA COSTA	4	PETROLEUM COKE	17,740	10/10/89
140	01P087	GWF POWER SYSTEMS INC. #5	PITTSBURG / CONTRA COSTA	4	PETROLEUM COKE	17,740	3/17/90
141	25C136	HANFORD L.P.	HANFORD / KINGS	4	PETROLEUM COKE	23,000	9/26/90
Total:						111,750	

WIND

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
142	16W009	ALTAMONT MIDWAY LTD.	ALTAMONT PASS / SAN JOAQUIN	4	WIND	12,500	4/16/85
143	16W014	ALTAMONT POWER LLC (3-4)	LIVERMORE / ALAMEDA	4	WIND	4,050	4/11/85
144	16W015	ALTAMONT POWER LLC (4-4)	ALTAMONT PASS / ALAMEDA	4	WIND	18,960	1/1/87
145	16W017	ALTAMONT POWER LLC (6-4)	ALTAMONT PASS / ALAMEDA	4	WIND	18,990	1/1/87
146	01W001	BUENA VISTA ENERGY, LLC	ALTAMONT PASS / SAN JOAQUIN	4	WIND	37,550	12/24/83
147	01W119	DONALD R. CHENOWETH	LIVERMORE / ALAMEDA	3	WIND	10	8/2/82
148	06W148	GREEN RIDGE POWER LLC (10 MW)	MONTEZUMA HILLS / SOLANO	4	WIND	10,000	1/1/90
149	01W146A	GREEN RIDGE POWER LLC (100 MW - A)	TRACY / SAN JOAQUIN	4	WIND	43,100	1/1/88
150	01W146B	GREEN RIDGE POWER LLC (100 MW - B)	TRACY / SAN JOAQUIN	4	WIND	30,000	4/1/88
151	01W146C	GREEN RIDGE POWER LLC (100 MW - C)	TRACY / SAN JOAQUIN	4	WIND	11,900	1/2/90
152	01W146D	GREEN RIDGE POWER LLC (100 MW - D)	TRACY / SAN JOAQUIN	4	WIND	15,000	1/1/91

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Small Power Projects - Operational and Currently Delivering

WIND

No.	Log. No.	Project	City / County	Contract Type *	Primary Energy Source	Operating Size (kW)	Operating Start Date
153	01W004	GREEN RIDGE POWER LLC (110 MW)	LIVERMORE / ALAMEDA	4	WIND	113,100	1/1/86
154	16W011	GREEN RIDGE POWER LLC (23.8 MW)	TRACY / SAN JOAQUIN	4	WIND	23,800	1/5/87
155	01W144	GREEN RIDGE POWER LLC (30 MW)	TRACY / SAN JOAQUIN	4	WIND	30,400	4/1/88
156	01W018	GREEN RIDGE POWER LLC (5.9 MW)	TRACY / SAN JOAQUIN	4	WIND	5,900	3/2/88
157	06W146A	GREEN RIDGE POWER LLC (70 MW - A)	TRACY / SAN JOAQUIN	4	WIND	19,900	4/1/88
158	06W146B	GREEN RIDGE POWER LLC (70 MW - B)	BENECIA / SOLANO	4	WIND	18,500	1/1/90
159	06W146C	GREEN RIDGE POWER LLC (70 MW - C)	BENECIA / SOLANO	4	WIND	30,000	1/1/91
160	06W146D	GREEN RIDGE POWER LLC (70 MW - D)	TRACY / SOLANO	4	WIND	1,500	1/1/91
161	01W035	GREEN RIDGE POWER LLC (70 MW)	LIVERMORE / ALAMEDA	4	WIND	70,000	4/1/87
162	25W105	INTERNATIONAL TURBINE RESEARCH	PACHECO PASS / MERCED	4	WIND	16,000	6/14/88
163	01W129	L.P. REINHARD	HAYWARD / ALAMEDA	3	WIND	10	6/18/81
164	01W095	NORTHWIND ENERGY	ALTAMONT / CONTRA COSTA	4	WIND	15,500	1/4/86
165	16W028	PATTERSON PASS WIND FARM LLC	ALTAMONT PASS / SAN JOAQUIN	4	WIND	22,000	4/2/85
166	01W011	SEA WEST ENERGY - ALTECH	ALTAMONT PASS / SAN JOAQUIN	4	WIND	5,760	1/22/83
167	01W007	SEA WEST ENERGY - CWES	ALTAMONT PASS / SAN JOAQUIN	4	WIND	1,500	1/22/83
168	01W006	SEA WEST ENERGY - SEAWEST	ALTAMONT PASS / SAN JOAQUIN	4	WIND	60	1/22/83
169	01W015	SEA WEST ENERGY - TAXVEST	ALTAMONT PASS / SAN JOAQUIN	4	WIND	10,680	1/22/83
170	01W014	SEA WEST ENERGY - VIKING	ALTAMONT PASS / SAN JOAQUIN	4	WIND	1,560	1/22/83
171	01W012	SEA WEST ENERGY - WESTERN	ALTAMONT PASS / SAN JOAQUIN	4	WIND	900	1/22/83
172	01W094	TRES VAQUEROS WIND FARMS, LLC	ALTAMONT PASS / CONTRA COSTA	4	WIND	28,000	1/4/86
173	01W017EO1	ZOND WINDSYSTEMS INC.	ALTAMONT PASS / ALAMEDA	4	WIND	20,000	12/30/85
Total:						637,130	

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