

Agua Caliente

PROJECT DESCRIPTION:

Location: Roll, Yuma County, AZ	Technology: Solar PV
Contract Capacity (MW): 290	Annual Generation (GWh/yr Max): 731
Levelized Post-TOD Price (\$/MWh): 174.44	PG&E Log Number: 33R084
Advice Letter #: 3538-E/3538-E-A	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 9/8/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 6/1/2011	Guaranteed Commercial Operation Date: 12/1/2014

PERMITTING:

Lead Agency: Arizona Corporation Commission, Yuma County	
Local/State Agencies: Arizona Corporation Commission, Arizona Department of Environmental Quality, Yuma County	Federal Agencies: None
Local/State Details: All major permits received. Certificate of Environmental Compatibility received September 22, 2009, and Special Use Permit received in August 2009.	Federal Details: None

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: CAISO LGIP Transition Cluster. Project is physically located in Arizona, however first point of interconnection is within the CAISO controlled grid. Critical path item is the construction of a 500 kV switchyard by Arizona Public Service. Grading has begun on the switchyard site, APS to commence construction of the 500kV switchyard on Oct 1, 2010

OTHER NOTES:

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Agua Caliente

Alpine Suntower (Amended and Restated) (eSolar)

PROJECT DESCRIPTION:

Location: Lancaster, Los Angeles County, CA	Technology: Solar PV
Contract Capacity (MW): 66	Annual Generation (GWh/yr Max): 140
Levelized Post-TOD Price (\$/MWh): 145.95	PG&E Log Number: 33R078
Advice Letter #: 3671-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 4/21/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 6/1/2011	Guaranteed Commercial Operation Date: 3/31/2012

PERMITTING:

Lead Agency: California Energy Commission (CEC)	
Local/State Agencies: California Energy Commission (CEC)	Federal Agencies: None expected
Local/State Details: Developer initially intended to build facility as Solar Thermal, then switched to Solar PV in a renegotiated PPA (April 2010). Counterparty is now pursuing a CUP with LA County.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation - Expected Q3 2010
Status of interconnection facilities and upgrades: CAISO Transition Cluster: Phase 2 transmission studies underway. Proposed Interconnection is the Neenach Substation in SCE service territory.

OTHER NOTES:

Renegotiated contract filed, reducing size and converting technology from solar thermal to PV.
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Alpine Suntower (Amended and Restated) (eSolar)

AV Solar Ranch 1 (Antelope Valley)

PROJECT DESCRIPTION:

Location: Lancaster, Los Angeles County, CA	Technology: Solar PV
Contract Capacity (MW): 230	Annual Generation (GWh/yr Max): 628
Levelized Post-TOD Price (\$/MWh): 155.14	PG&E Log Number: 33R073
Advice Letter #: 3477-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 5/8/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 8/31/2011	Guaranteed Commercial Operation Date: 12/31/2013

PERMITTING:

Lead Agency: Los Angeles County	
Local/State Agencies: LA County Department of Regional Planning	Federal Agencies: None
Local/State Details: Draft EIR was released on June 16, 2010. A public hearing was scheduled on June 30, 2010, with the public comment period ending 30 days later (July 30, 2010). The Final EIR is expected on September 15, 2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation -Expected Q3 2010
Status of interconnection facilities and upgrades: Not started. CAISO Transition Cluster: Phase 2 transmission studies underway. Proposed interconnection to SCE's Whirlwind substation (Segment 4 of Tehachapi Renewable Transmission Project (TRTP)), part of SCE service territory. This is the critical path item.

OTHER NOTES:

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AV Solar Ranch 1 (Antelope Valley)

Avenal Park Pv Solar Farm (Eurus)

PROJECT DESCRIPTION:

Location: Avenal, Kings County, CA	Technology: Solar PV
Contract Capacity (MW): 9	Annual Generation (GWh/yr Max): 15.58
Levelized Post-TOD Price (\$/MWh): 240.51	PG&E Log Number: 33R123
Advice Letter #: 3610-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 12/24/2009	Contract Length (Years): 20
Guaranteed Construction Start Date: 11/26/2010	Guaranteed Commercial Operation Date: 5/25/2011

PERMITTING:

Lead Agency: Kings County	
Local/State Agencies: Kings County	Federal Agencies: None
Local/State Details: Conditional use permit application has been submitted and deemed complete by Kings County. Eurus reports modifications to CUP application requiring resubmital. Latest version to be submitted no later than June 2010. Despite resubmital, the permitting timeline remains on track with final approval expected in November 2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: In progress
Status of interconnection facilities and upgrades: FERC SGIP studies complete. IA negotiations will be under PG&E WDT process. Project is connected to a non-CAISO controlled facility.

OTHER NOTES:

Draft resolution issued approving PPA.
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Avenal Park Pv Solar Farm (Eurus)

Barclays Hay Canyon

PROJECT DESCRIPTION:

Location: Moro, Sherman County, OR	Technology: Wind
Contract Capacity (MW): 100	Annual Generation (GWh/yr Max): 250
Levelized Post-TOD Price (\$/MWh): 100.73	PG&E Log Number: 33R126
Advice Letter #: 3600-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 1/15/2010	Contract Length (Years): 2
Guaranteed Construction Start Date:	Guaranteed Commercial Operation Date: 10/1/2010

PERMITTING:

Lead Agency: N/A	
Local/State Agencies: N/A	Federal Agencies: N/A
Local/State Details: Operational prior to contract execution.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: In place prior to contract execution
Status of interconnection facilities and upgrades: N/A

OTHER NOTES:

Facility operational prior to contract execution.

Barclays Hay Canyon

Barclays Nine Canyon Phase III

PROJECT DESCRIPTION:

Location: Kennewick, Benton County, WA	Technology: Wind
Contract Capacity (MW): 37	Annual Generation (GWh/yr Max): 33
Levelized Post-TOD Price (\$/MWh): 106.30	PG&E Log Number: 33R134
Advice Letter #: 3632-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/16/2010	Contract Length (Years): 2
Guaranteed Construction Start Date: N/A	Guaranteed Commercial Operation Date: 11/1/2010

PERMITTING:

Lead Agency: N/A	
Local/State Agencies: N/A	Federal Agencies: N/A
Local/State Details: Operational prior to execution.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: In place prior to contract execution
Status of interconnection facilities and upgrades: N/A

OTHER NOTES:

Facility operational prior to execution.
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Barclays Nine Canyon Phase III

Big Creek Water Works (Big Creek Hydro)

PROJECT DESCRIPTION:

Location: Hyampom, Trinity County, CA	Technology: Small Hydro
Contract Capacity (MW): 4.8	Annual Generation (GWh/yr Max): 8
Levelized Post-TOD Price (\$/MWh): 107.91	PG&E Log Number: 33R100
Advice Letter #: 3575-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 12/8/2009	Contract Length (Years): 20
Guaranteed Construction Start Date:	Guaranteed Commercial Operation Date: 1/1/2010

PERMITTING:

Lead Agency:	
Local/State Agencies: N/A	Federal Agencies: N/A
Local/State Details: No permitting was necessary because project was operational as a QF. Project achieved COD under this RPS contract on 6/23/2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Executed
Status of interconnection facilities and upgrades: Big Creek must upgrade all existing protective relays by December 31, 2010, and acknowledged that PG&E is not obligated to buy power from Big Creek if they fail to meet this deadline.

OTHER NOTES:

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Big Creek Water Works (Big Creek Hydro)

Blackspring Wind 1A (Greengate)

PROJECT DESCRIPTION:

Location: Lethbridge, Alberta, Canada	Technology: Wind
Contract Capacity (MW): 149.4	Annual Generation (GWh/yr Max): 445
Levelized Post-TOD Price (\$/MWh): 119.21	PG&E Log Number: 33R136
Advice Letter #: 3620-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/19/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 7/30/2012	Guaranteed Commercial Operation Date: 12/31/2012

PERMITTING:

Lead Agency: Alberta Utilities Commission (AUC)	
Local/State Agencies: TBD	Federal Agencies: TBD
Local/State Details: The application for a permit to construct (PTC) was initially filed in 2009, but put on hold due to an anticipated change in technology (turbine manufacturer). Greengate expects to file amended PTC application with the AUC by the end of August 2010. Receipt of the PTC is expected within 6 months thereafter.	Federal Details: TBD

TRANSMISSION:

Interconnection Agreement Status: Executed 5/6/2008 and accepted 7/4/2008 by the Alberta Electric System Operator.
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

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Big Creek Water Works (Big Creek Hydro)

Blackspring Wind 1B (Greengate)

PROJECT DESCRIPTION:

Location: Lethbridge	Technology: Wind
Contract Capacity (MW): 149.4	Annual Generation (GWh/yr Max): 445
Levelized Post-TOD Price (\$/MWh): 119.21	PG&E Log Number: 33R137
Advice Letter #: 3620-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/19/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 7/30/2012	Guaranteed Commercial Operation Date: 12/31/2012

PERMITTING:

Lead Agency: Alberta Utilities Commission (AUC)	
Local/State Agencies: TBD	Federal Agencies: TBD
Local/State Details: The application for a permit to construct (PTC) was initially filed in 2009, but put on hold due to an anticipated change in technology (turbine manufacturer). Greengate expects to file amended PTC application with the AUC by the end of August 2010. Receipt of the PTC is expected within 6 months thereafter.	Federal Details: TBD

TRANSMISSION:

Interconnection Agreement Status: Executed 5/6/2008 and accepted 7/4/2008 by the Alberta Electric System Operator.
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

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Blackspring Wind 1B (Greengate)

Brodie (Coram)

PROJECT DESCRIPTION:

Location: Tehachapi, Kern County County, CA	Technology: Wind
Contract Capacity (MW): 102	Annual Generation (GWh/yr Max): 286
Levelized Post-TOD Price (\$/MWh): 117.58	PG&E Log Number: 33R142
Advice Letter #: 3687-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 6/2/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 12/31/2010	Guaranteed Commercial Operation Date: 10/1/2011

PERMITTING:

Lead Agency: Kern County	
Local/State Agencies: Kern County	Federal Agencies: TBD
Local/State Details: Conditional Use Permit (CUP) required from Kern County. Expected CUP completion date of October 1, 2010.	Federal Details: TBD

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Required network upgrades are complete and Windhub substation is energized. Interconnection piece remains and that process has been kicked off by letter agreement between SCE and Coram developer to begin procurement of step up transformer, a long lead time item. Expect interconnection to be complete July 2011.

OTHER NOTES:

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Brodie

California Valley Solar Ranch-HPR 2 (CA Valley Solar Ranch, Carrisa Solar Ranch, Carrisa II,)

PROJECT DESCRIPTION:

Location: San Luis Obispo, San Luis Obispo County, CA	Technology: Solar PV
Contract Capacity (MW): 210	Annual Generation (GWh/yr Max): 550
Levelized Post-TOD Price (\$/MWh): 145.05	PG&E Log Number: 33R052
Advice Letter #: 3318-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 7/23/2008	Contract Length (Years): 27
Guaranteed Construction Start Date: 12/26/2010	Guaranteed Commercial Operation Date: 12/26/2013

PERMITTING:

Lead Agency: San Luis Obispo County	
Local/State Agencies: San Luis Obispo County, CA Dept. of Fish and Game	Federal Agencies: US Fish and Wildlife Service (USFWS), US Army Corps of Engineers (USACOE)
Local/State Details: Key Issue: Wildlife Corridor. Potential for delay due to wildlife corridor issue (Topaz Solar Farm (First Solar) jointly shares this issue) with the encroachment on threatened and endangered plant and animal species, and their key habitat.	Federal Details: 1st of two Federal Permits expected to be issued Q3 2010.

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Underway

OTHER NOTES:

Estimated commercial operation date is based on initial deliveries from first phase of project. Guaranteed commercial operation date is contractual date for full deliveries from last phase of project. Contract length includes the two-year phased-in period.
Phased CODs are: Ph I, 12/26/2011; Ph II, 12/25/2012; Ph III, 12/26/2013

California Valley Solar Ranch-HPR 2 (CA Valley Solar Ranch, Carrisa Solar Ranch, Carrisa II,)

California Valley Solar Ranch-HPR 3 (CA Valley Solar Ranch, Carrisa Solar Ranch, Carrisa II)

PROJECT DESCRIPTION:

Location: California Valley, San Luis Obispo County County, CA	Technology: Solar PV
Contract Capacity (MW): 40	Annual Generation (GWh/yr Max): 112
Levelized Post-TOD Price (\$/MWh): 152.62	PG&E Log Number: 33R088
Advice Letter #: 3661-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 3/8/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 1/1/2012	Guaranteed Commercial Operation Date: 12/31/2012

PERMITTING:

Lead Agency: San Luis Obispo County	
Local/State Agencies: San Luis Obispo County, California Dept. of Fish and Game	Federal Agencies: US Fish and Wildlife Service (USFWS), US Army Corps of Engineers (USACOE)
Local/State Details: Key Issue: Wildlife Corridor. Potential for delay due to wildlife corridor issue (Topaz Solar Farm (First Solar) jointly shares this issue) with the encroachment on threatened and endangered plant and animal species, and their key habitat.	Federal Details: 1st of two Federal Permits expected to be issued Q3 2010.

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Underway

OTHER NOTES:

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California Valley Solar Ranch-HPR 3 (CA Valley Solar Ranch, Carrisa Solar Ranch, Carrisa II)

Copper Mountain Solar 1

PROJECT DESCRIPTION:

Location: Boulder City, Clark County, NV	Technology: Solar PV
Contract Capacity (MW): 48	Annual Generation (GWh/yr Max): 108
Levelized Post-TOD Price (\$/MWh): 164.65	PG&E Log Number: 33R079
Advice Letter #: 3500-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 6/22/2009	Contract Length (Years): 20
Guaranteed Construction Start Date: 2/20/2010	Guaranteed Commercial Operation Date: 7/20/2011

PERMITTING:

Lead Agency: Boulder City, NV	
Local/State Agencies: City of Boulder City, Clark County Air Quality and Environmental Management	Federal Agencies: None
Local/State Details: All major permits have been received. Energy deliveries will be phased in through COD of full 48MW. Initial energy delivery occurred on 5/27/10.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: Complete. LGIA executed. Nevada Energy service territory.

OTHER NOTES:

Facility is under construction and has begun initial deliveries.
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Copper Mountain Solar 1

Coyote Springs #1 (BrightSource 3)

PROJECT DESCRIPTION:

Location: Coyote Springs, Lincoln County, Nevada	Technology: Solar Thermal
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 573
Levelized Post-TOD Price (\$/MWh): 153.28	PG&E Log Number: 33R065
Advice Letter #: 3458-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2013	Guaranteed Commercial Operation Date: 7/1/2014

PERMITTING:

Lead Agency: Lincoln County, NV	
Local/State Agencies: Lincoln County, NV, Nevada Division of Environmental Protection	Federal Agencies: None
Local/State Details: Site Control is a Lease Option. Project on private land, and master plan for Coyote Springs already approved by County. Approval encompasses industrial applications such as the BrightSource project.	Federal Details: None

TRANSMISSION:

Interconnection Agreement Status: Not Started
Status of interconnection facilities and upgrades: Phase 1 studies underway. Project is physically located in Nevada. However, developer has initiated a study request in the CAISO LGIP to reserve the ability to complete a deliverability study in advance of GCOD.

OTHER NOTES:

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Coyote Springs #1 (BrightSource 3)

Coyote Springs #2 (BrightSource 4)

PROJECT DESCRIPTION:

Location: Coyote Springs, Lincoln County, Nevada	Technology: Solar Thermal
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 573
Levelized Post-TOD Price (\$/MWh): 157.88	PG&E Log Number: 33R066
Advice Letter #: 3459-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2014	Guaranteed Commercial Operation Date: 7/1/2015

PERMITTING:

Lead Agency: Lincoln County, NV	
Local/State Agencies: Lincoln County, NV, Nevada Division of Environmental Protection	Federal Agencies: None
Local/State Details: Site Control is a Lease Option. Project on private land, and master plan for Coyote Springs already approved by County. Approval encompasses industrial applications such as the BrightSource project.	Federal Details: None

TRANSMISSION:

Interconnection Agreement Status: Not Started
Status of interconnection facilities and upgrades: Phase 1 studies underway. Project is physically located in Nevada. However, developer has initiated a study request in the CAISO LGIP to reserve the ability to complete a deliverability study in advance of GCOD.

OTHER NOTES:

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Coyote Springs #2 (BrightSource 4)

Desert Sunlight

PROJECT DESCRIPTION:

Location: Desert Center, Riverside County, CA	Technology: Solar PV
Contract Capacity (MW): 300	Annual Generation (GWh/yr Max): 685
Levelized Post-TOD Price (\$/MWh): 160.46	PG&E Log Number: 33R138
Advice Letter #: 3629-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/24/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2013	Guaranteed Commercial Operation Date: 7/1/2015

PERMITTING:

Lead Agency: Bureau of Land Management	
Local/State Agencies: CPUC (for interconnection permitting)	Federal Agencies: Bureau of Land Management
Local/State Details: The California Public Utilities Commission (CPUC) and the BLM signed a Memorandum of Understanding (MOU) which defines the relationship of the two agencies, and identifies CPUC as a cooperating agency with BLM. CPUC has agreed to use the project's Environmental Impact Study (EIS) for California Environmental Quality Act (CEQA) compliance.	Federal Details: Seller submitted the Project's original Right Of Way application to the BLM in November 2006. A Plan of Development (POD) was submitted to the BLM in April 2007 with updates October 2008 and December 2009 to reflect changes and updates in project footprint and design. Seller submitted an updated Project Description for the POD in March, 2010. The BLM has selected a consultant to prepare the Project's Environmental Impact Statement (EIS). A draft EIS is expected to be published mid 2010.

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Serial Studies Complete. Interconnection to the proposed Red Bluff Substation in SCE service territory. SCE and Desert Sunlight have entered into a side agreement to engineer and procure the project transformer, as this is the critical. The side agreement will be folded into the LGIA.

OTHER NOTES:

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Desert Sunlight

DTE Stockton (POSDEF)

PROJECT DESCRIPTION:

Location: Port of Stockton, San Joaquin County, CA	Technology: Biomass
Contract Capacity (MW): 49.9	Annual Generation (GWh/yr Max): 315
Levelized Post-TOD Price (\$/MWh): 141.39	PG&E Log Number: 33R099
Advice Letter #: 3577-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 12/8/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 10/1/2011	Guaranteed Commercial Operation Date: 6/30/2013

PERMITTING:

Lead Agency: Port of Stockton	
Local/State Agencies: Port of Stockton	Federal Agencies: Environmental Protection Agency (EPA)
Local/State Details: Obtaining a Conditional Use Permit will not be necessary under Port of Stockton re-zoning rules. On 5/11/2010, San Joaquin County Unified Air Pollution Control District determined the DTE air permit application to be complete. A draft decision will be released within 180 days.	Federal Details: No major activity. Developer is in process of preparing permit materials.

TRANSMISSION:

Interconnection Agreement Status: TBD
Status of interconnection facilities and upgrades: Existing interconnected facility undergoing a conversion from petroleum coke to biomass. It is uncertain whether generator will require upgrades to existing interconnection facilities.

OTHER NOTES:

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DTE Stockton (POSDEF)

FPL Montezuma Wind (Amended And Restated)

PROJECT DESCRIPTION:

Location: Birds Landing, Solano County, CA	Technology: Wind
Contract Capacity (MW): 36.8	Annual Generation (GWh/yr Max): 129
Levelized Post-TOD Price (\$/MWh): 101	PG&E Log Number: 33R013-AR
Advice Letter #: 3681-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 6/3/2010	Contract Length (Years): 25
Guaranteed Construction Start Date:	Guaranteed Commercial Operation Date: 1/30/2011

PERMITTING:

Lead Agency: Solano County	
Local/State Agencies: Solano County	Federal Agencies: Federal Aviation Administration
Local/State Details: Conditional Use and Land Use Permits obtained from Solano County. Construction commenced in June 2010.	Federal Details: Travis Air Force Base has lifted its objections to the project.

TRANSMISSION:

Interconnection Agreement Status: Executed
Status of interconnection facilities and upgrades: Currently completing the Amended Interconnection Study to evaluate the replacement of the originally proposed turbines with two alternative wind turbine generators. LGIA executed. Network upgrades were completed in 12/2009.

OTHER NOTES:

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FPL Montezuma Wind (Amended And Restated)

Genesis Solar

PROJECT DESCRIPTION:

Location: Blythe, Riverside County, CA	Technology: Solar Thermal
Contract Capacity (MW): 250	Annual Generation (GWh/yr Max): 560
Levelized Post-TOD Price (\$/MWh): 199.52	PG&E Log Number: 33R090
Advice Letter #: 3546-E / 3546-E-A	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 9/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 11/1/2011	Guaranteed Commercial Operation Date: 11/30/2014

PERMITTING:

Lead Agency: California Energy Commission (CEC)	
Local/State Agencies: California Energy Commission; Riverside County	Federal Agencies: Bureau of Land Management, US Environmental Protection Agency
Local/State Details: Site Control - In process of securing BLM lease. August 2009 - Application for Certification (AFC) filed at CEC. Potential problem for AFC process due to issue of wet vs. dry cooling (Genesis applied for wet cooling). 6/1/2010 - This issue has not yet been resolved.	Federal Details: Have applied for Right of Way Grant on Federal Lands.

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation - expected Q1 2011
Status of interconnection facilities and upgrades: CAISO Transition Cluster: Phase 2 transmission studies underway. Proposed interconnection is SCE's proposed Midpoint (aka Colorado River) substation in SCE territory.

OTHER NOTES:

Amended for price reduction associated with project delays, dry cooling and a DOE loan guarantee.

Genesis Solar

GreenVolts

PROJECT DESCRIPTION:

Location: Byron, Alameda County, CA	Technology: Solar PV
Contract Capacity (MW): 2	Annual Generation (GWh/yr Max): 5
Levelized Post-TOD Price (\$/MWh): 223.99	PG&E Log Number: 33R031
Advice Letter #: 3074-E, 3074-E-B	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 6/25/2007	Contract Length (Years): 20
Guaranteed Construction Start Date: 7/1/2008	Guaranteed Commercial Operation Date: 9/1/2008

PERMITTING:

Lead Agency: Alameda County	
Local/State Agencies: Alameda County	Federal Agencies: None
Local/State Details: Conditional Use Permit received 07/17/2008. Developer has met with Alameda County and no issues are anticipated with the CUP, which needs amending due to change in tracker sight line/height. The review process is now underway with the County for the CUP amendment.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: Completed

OTHER NOTES:

Potential amendment to extend COD to 2011

GreenVolts

Halkirk Wind (Greengate)

PROJECT DESCRIPTION:

Location: Stettler, Alberta, Canada	Technology: Wind
Contract Capacity (MW): 149.4	Annual Generation (GWh/yr Max): 484
Levelized Post-TOD Price (\$/MWh): 118.36	PG&E Log Number: 33R135
Advice Letter #: 3620-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/19/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 7/30/2011	Guaranteed Commercial Operation Date: 12/31/2011

PERMITTING:

Lead Agency: Alberta Utilities Commission (Canada)	
Local/State Agencies: TBD	Federal Agencies: TBD
Local/State Details: Permit to Construct (PTC) received December 31, 2009. A PTC amendment is required due to revised turbine model. Amendment expected to be approved by March 2011.	Federal Details: TBD

TRANSMISSION:

Interconnection Agreement Status: Executed and accepted November 2008 by the Alberta Electric System Operator.
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

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Halkirk Wind (Greengate)

Hatchet Ridge Wind, LLC

PROJECT DESCRIPTION:

Location: Burney, Shasta County, CA	Technology: Wind
Contract Capacity (MW): 103.2	Annual Generation (GWh/yr Max): 303
Levelized Post-TOD Price (\$/MWh): 102.19	PG&E Log Number: 33R058
Advice Letter #: 3367-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 11/20/2008	Contract Length (Years): 15
Guaranteed Construction Start Date: 4/30/2010	Guaranteed Commercial Operation Date: 12/31/2010

PERMITTING:

Lead Agency: Shasta County Dept of Resource Management	
Local/State Agencies: Shasta County, CA Central Coast Regional Water Quality Control Board, CA Dept. of Fish and Game - Streambed Alteration	Federal Agencies: Federal Aviation Administration
Local/State Details: Conditional Use Permit complete.	Federal Details: Complete - Determinations of No Hazard (DNH) for wind turbines and met towers.

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: Completed

OTHER NOTES:

Project is under construction and on schedule.
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Hatchet Ridge Wind, LLC

IAE Truckhaven (Truckhaven)

PROJECT DESCRIPTION:

Location: Truckhaven, Imperial County, CA	Technology: Geothermal
Contract Capacity (MW): 49	Annual Generation (GWh/yr Max): 370
Levelized Post-TOD Price (\$/MWh): 69.96	PG&E Log Number: 33R023
Advice Letter #: 2863-E, 2863-E-A	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 7/21/2006	Contract Length (Years): 20
Guaranteed Construction Start Date: 11/1/2010	Guaranteed Commercial Operation Date: 7/1/2012

PERMITTING:

Lead Agency: Imperial County	
Local/State Agencies: Imperial County Air Pollution Control District, California State Parks and Recreation, Colorado River Regional Water Quality Control Board	Federal Agencies: Bureau of Land Management (BLM)
Local/State Details: Key Issue: Land Use. No application has been filed, pending final determination of plant site. Due to site on Bureau of Land Management land, they must go through National Environmental Policy Act (NEPA). It will likely be at least 1 year before Truckhaven starts the Environmental Impact Report NEPA/CA Environmental Quality Act process.	Federal Details: Majority of the project site is on BLM land. After a long delay, BLM issued the leases and Truckhaven's are effective as of 10/1/09. As part of the lease agreements, four parties (Truckhaven, Ormat, J. McNamera (Esmeralda), and California Northern Petroleum) must try to work out a unitization agreement (one unit operator) for all four groups of leases. BLM and State Parks and Recreation do not want more than one power plant in the area.

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: TBD - based on delay in schedule and the project withdrawing their application with Imperial Irrigation District until their schedule was more certain.

OTHER NOTES:

PPA will need to be amended if project is feasible.

IAE Truckhaven (Truckhaven)

Ivanpah Solar Electric Generating Station #1 (BrightSource 1)

PROJECT DESCRIPTION:

Location: Ivanpah, San Bernardino County, CA	Technology: Solar Thermal
Contract Capacity (MW): 118	Annual Generation (GWh/yr Max): 304
Levelized Post-TOD Price (\$/MWh): 155	PG&E Log Number: 33R063
Advice Letter #: 3458-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2011	Guaranteed Commercial Operation Date: 7/1/2013

PERMITTING:

Lead Agency: California Energy Commission (CEC)/Bureau of Land Management	
Local/State Agencies: California Energy Commission (CEC)	Federal Agencies: Bureau of Land Management (BLM)
Local/State Details: 11/04/09 - The combined CEC Final Staff Analysis/Bureau of Land Management Draft Environmental Impact Statement (EIS) was published. CEC/BLM joint permitting process remains on schedule. Supplemental Final Staff Assessment for "Mitigated Ivanpah 3" (affects both Ivanpah 1 and 3) received April 16, 2010. Final permit approval anticipated in August or September 2010.	Federal Details: BLM Environmental Impact Report was filed and will be incorporated in CEC Application for Certification. BLM issued supplemental Draft Environmental Impact Study for "Mitigated Ivanpah 3" (affects both Ivanpah 1 and 3) on April 16, 2010.

TRANSMISSION:

Interconnection Agreement Status: Executed
Status of interconnection facilities and upgrades: LGIA executed. Interconnection is the SCE Eldorado-Ivanpah transmission line in SCE service territory.

OTHER NOTES:

Amendment was executed and filed via Advice Letter 3703-E on 7/9/2010.
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Ivanpah Solar Electric Generating Station #1 (BrightSource 1)

Ivanpah Solar Electric Generating Station #3 (BrightSource PPA 2)

PROJECT DESCRIPTION:

Location: Ivanpah, San Bernardino County, CA	Technology: Solar Thermal
Contract Capacity (MW): 130	Annual Generation (GWh/yr Max): 335.6
Levelized Post-TOD Price (\$/MWh): 158.27	PG&E Log Number: 33R064
Advice Letter #: 3458-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2012	Guaranteed Commercial Operation Date: 12/31/2013

PERMITTING:

Lead Agency: California Energy Commission (CEC)/Bureau of Land Management	
Local/State Agencies: California Energy Commission (CEC)	Federal Agencies: Bureau of Land Management (BLM)
Local/State Details: 11/04/09 - The combined CEC Final Staff Analysis/Bureau of Land Management Draft Environmental Impact Statement (EIS) was published. CEC/BLM joint permitting process remains on schedule. Supplemental Final Staff Assessment for "Mitigated Ivanpah 3" (affects both Ivanpah 1 and 3) received April 16 2010. Final permit approval anticipated in August or September 2010.	Federal Details: BLM Environmental Impact Report was filed and will be incorporated in CEC Application for Certification. BLM issued supplemental Draft Environmental Impact Study for "Mitigated Ivanpah 3" (affects both Ivanpah 1 and 3) on April 16 2010.

TRANSMISSION:

Interconnection Agreement Status: Executed
Status of interconnection facilities and upgrades: LGIA executed. Interconnection is the SCE Eldorado-Ivanpah transmission line in SCE service territory.

OTHER NOTES:

Amendment was executed and filed via Advice Letter 3703-E on 7/9/2010.

Ivanpah Solar Electric Generating Station #3 (BrightSource PPA 2)

Liberty V Biofuels (Liberty Biofuels)

PROJECT DESCRIPTION:

Location: Lost Hills, Kern County, CA	Technology: Digester Gas
Contract Capacity (MW): 5	Annual Generation (GWh/yr Max): 35
Levelized Post-TOD Price (\$/MWh): 59.77	PG&E Log Number: 33R021
Advice Letter #: 2827-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 5/3/2006	Contract Length (Years): 15
Guaranteed Construction Start Date: 9/10/2008	Guaranteed Commercial Operation Date: 12/31/2009

PERMITTING:

Lead Agency: Kern County	
Local/State Agencies: Kern County, California Integrated Waste Management Board, San Joaquin Valley Air Pollution Control District	Federal Agencies: None
Local/State Details: Key Issue: Local Agency Delay. The Environmental Impact Report (EIR)/Conditional Use Permit (CUP) process is in its fourth year, which is two years longer than it should take. The draft EIR was issued on June 23, 2010. The final amended CUP is now on track for issuance by October 2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Not Started
Status of interconnection facilities and upgrades: TBD once Liberty receives their Conditional Use Permit this process will move forward.

OTHER NOTES:

A price increase has been requested. Negotiation has commenced.

Liberty V Biofuels (Liberty Biofuels)

Microgy Inc (Hanford, Riverdale Diaries, Kerman Bar 20 Diaries)

PROJECT DESCRIPTION:

Location: Various, CA	Technology: Digester Gas
Contract Capacity (MW): N/A	Annual Generation (GWh/yr Max): 46.93
Levelized Post-TOD Price (\$/MWh): N/A	PG&E Log Number: M-R-7014
Advice Letter #: 2996-E, 2996-E-A	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 2/23/2007	Contract Length (Years): 10
Guaranteed Construction Start Date: N/A	Guaranteed Commercial Operation Date: N/A

PERMITTING:

Lead Agency: Kings County, Fresno County	
Local/State Agencies: Kings County, Fresno County, Air Pollution Control District, Regional Water Quality Control Board	Federal Agencies: None
Local/State Details: Conditional Use Permit, air permit and water permit complete for all three sites. Major delay in development of three remaining site is due to financing.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: N/A. Project requires gas interconnection (not electric).

OTHER NOTES:

Received notice that Texas site is in receivership and all payments should be directed to the lender. Production is down significantly. Long term project viability is in question.

Microgy Inc (Hanford, Riverdale Diaries, Kerman Bar 20 Diaries)

Mojave Solar Project (Abengoa)

PROJECT DESCRIPTION:

Location: Harper Lake (Between Barstow and Kramer Junction), San Bernardino County, CA	Technology: Solar Thermal
Contract Capacity (MW): 250	Annual Generation (GWh/yr Max): 617
Levelized Post-TOD Price (\$/MWh): 195.79	PG&E Log Number: 33R089
Advice Letter #:	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 10/22/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 12/31/2010	Guaranteed Commercial Operation Date: 12/1/2013

PERMITTING:

Lead Agency: California Energy Commission (CEC)	
Local/State Agencies: California Energy Commission (CEC)	Federal Agencies: None
Local/State Details: 8/10/09 - Application for Certification (AFC) filed at CEC. 10/21/09 - AFC deemed data adequate. Potential delay for AFC process due to issue of wet vs. dry cooling (Mojave applied for wet cooling) and if the issue gets resolved in their favor.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under negotiation. Expected Q3 0210
Status of interconnection facilities and upgrades: Serial studies complete. LGIA under negotiation. Proposed interconnection is the Kramer-Pisgah transmission line part of SCE service territory.

OTHER NOTES:

Amendment likely needed to address the cost and timing of transmission upgrades along with an adjustment to contract price if the project is not eligible for RA.

Mojave Solar Project (Abengoa)

Confidential Commercially Sensitive Information
 Provided by Pacific Gas and Electric Company to the CPUC on 10/24/2014

Mt. Poso (RedHawk)

PROJECT DESCRIPTION:

Location: Bakersfield, Kern County, CA	Technology: Biomass
Contract Capacity (MW): 49.5	Annual Generation (GWh/yr Max): 328
Levelized Post-TOD Price (\$/MWh): 141.11	PG&E Log Number: 33R082
Advice Letter #: 3529-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 7/31/2009	Contract Length (Years): 15
Guaranteed Construction Start Date: 8/31/2010	Guaranteed Commercial Operation Date: 1/30/2012

PERMITTING:

Lead Agency: Kern County	
Local/State Agencies: Kern County, San Joaquin Valley Air Pollution Control District (SJVAPCD)	Federal Agencies: Environmental Protection Agency (EPA)
Local/State Details: The plant has obtained a Conditional Use Permit from Kern County. Applications have been submitted to the SJVAPCD to obtain Authority to Construct Permits for both combustor modifications and the addition of the biomass receiving and storage area.	<p>Federal Details: Prevention of Significant Deterioration (PSD) Permit has been requested from the EPA.</p> <p>The expanded biomass receiving and storage area may require the developer to purchase additional habitat to protect displaced endangered species. The developer is awaiting USFWS decision on whether mitigation measures will be necessary; however, the USFWS decision has been delayed and may not be available until later in Q2 2010 or even Q3. Mt. Poso reported that the USFWS continues to delay the EPA's ability to issue the permit for Prevention of Significant Deterioration. Mt. Poso views this dispute with USFWS as a significant threat to the project's ability to achieve their Guaranteed Commercial Operation Date.</p> <p>During the 5/21/2010 conference call, Mt. Poso achieved an initial resolution to the USFWS dispute regarding mitigation ratios. A final agreement between the parties should be executed by mid-July and sets mitigation levels at 1:1.1.</p>

TRANSMISSION:

Interconnection Agreement Status: Operational prior to contract execution
Status of interconnection facilities and upgrades: n/a

OTHER NOTES:

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Mt. Poso (RedHawk)

Pacific Renewables Energy Generation (Lompoc)

PROJECT DESCRIPTION:

Location: Lompoc, Santa Barbara County, CA	Technology: Wind
Contract Capacity (MW): 83	Annual Generation (GWh/yr Max): 280.4
Levelized Post-TOD Price (\$/MWh): 54.31	PG&E Log Number: 33R014
Advice Letter #: 2655-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/18/2005	Contract Length (Years): 20
Guaranteed Construction Start Date: 1/30/2008	Guaranteed Commercial Operation Date: 11/30/2008

PERMITTING:

Lead Agency: Santa Barbara County	
Local/State Agencies: Regional Water Quality Control Board, CA Dept. of Fish and Game	Federal Agencies: US Army Corps of Engineers, Federal Aviation Administration
Local/State Details: Key Issue: Land Use. February 2009 - Conditional Use Permit issued by Santa Barbara County. However, there is a lawsuit by an adjacent landowner against the County claiming they improperly approved Conditional Use Permit. The developer is proceeding with the project and plans to begin construction in December 2010.	Federal Details: Army Corps of Engineers as lead Federal agency will also work w/US Fish and Wildlife Service on El Segundo butterfly work. Federal Aviation Administration will approve final layout plan for turbines.

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: Updating study currently underway for 55 MW of output instead of the original 120 MW. Part of PG&E service territory.

OTHER NOTES:

In negotiations now that permitting issues are close to resolved.

Pacific Renewables Energy Generation (Lompoc)

Potrero Hills Landfill

PROJECT DESCRIPTION:

Location: Suisun, Solano County, CA	Technology: Landfill Gas
Contract Capacity (MW): 8	Annual Generation (GWh/yr Max): 56
Levelized Post-TOD Price (\$/MWh): 136.94	PG&E Log Number: 33R133
Advice Letter #: 3623-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/4/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 12/15/2013	Guaranteed Commercial Operation Date: 6/15/2015

PERMITTING:

Lead Agency: Solano County	
Local/State Agencies: Bay Area Air Quality Management District (BAAQMD)	Federal Agencies: None
Local/State Details: Air Permit application was filed with BAAQMD on 3/11/2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Transmission interconnection has been withdrawn from CAISO Queue. Current application submitted for 4.8 MW connection to PG&E distribution.

OTHER NOTES:

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Potrero Hills Landfill

Rice Solar (Solar Reserve)

PROJECT DESCRIPTION:

Location: Rice (Rice Airfield), Riverside County, CA	Technology: Solar Thermal
Contract Capacity (MW): 150	Annual Generation (GWh/yr Max): 448.5
Levelized Post-TOD Price (\$/MWh): 188.32	PG&E Log Number: 33R097
Advice Letter #: 3581-E	Advice Letter Approval Status: Pending.

SCHEDULE:

Contract Execution Date: 11/23/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 1/1/2011	Guaranteed Commercial Operation Date: 10/1/2013

PERMITTING:

Lead Agency: California Energy Commission (CEC)	
Local/State Agencies: California Energy Commission (CEC); Mojave Desert Air Quality Management District (MDAQMD)	Federal Agencies: Bureau of Land Management (BLM); US Fish and Wildlife Service (USFWS)
Local/State Details: The Application for Certification was filed on 10/21/2009 and was deemed data adequate on 12/2/2009. A draft Environmental Impact Statement is expected on July 21, 2010, with a 90-day public review period. Evidentiary hearing is expected in September 2010 and a final decision from CEC by the end of 2010. Authority to Construct permit application was made October 2009. Preliminary Determination of Compliance was issued June 11, 2010 with a Final Determination of Compliance expected by September 2010.	Federal Details: SF299 Right of Way Grant Application was filed on 7/29/2009. Plan of Development was deemed complete on 2/9/2010. Section 7 consultation activities were initiated with USFWS in April 2010. Anticipate that the Biological Assessment will be submitted to the USFWS in June 2010, with the Biological Opinion issues approximately 135 days later.

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Phase 2 studies underway. CAISO LGIP Transition Cluster. Interconnection is at proposed Midpoint substation. Counterparty incorporated interconnection facilities into Application for Certification. SCE has applied for a CPCN for the substation, which will provide sufficient capacity for the facility to become fully deliverable.

OTHER NOTES:

Draft resolution out approving the PPA.

Rice Solar (Solar Reserve)

Sand Drag Solar Farm (Eurus)

PROJECT DESCRIPTION:

Location: Avenal, Kings County, CA	Technology: Solar PV
Contract Capacity (MW): 19	Annual Generation (GWh/yr Max): 32.9
Levelized Post-TOD Price (\$/MWh): 240.51	PG&E Log Number: 33R125
Advice Letter #: 3610-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 12/24/2009	Contract Length (Years): 20
Guaranteed Construction Start Date: 10/27/2010	Guaranteed Commercial Operation Date: 4/25/2011

PERMITTING:

Lead Agency: Kings County	
Local/State Agencies: Kings County	Federal Agencies: None
Local/State Details: All major permits have been received.	Federal Details: None

TRANSMISSION:

Interconnection Agreement Status: Executed
Status of interconnection facilities and upgrades: FERC SGIP studies complete. IA negotiations under PG&E WDT process. Project is connected to a non-CAISO controlled facility.

OTHER NOTES:

Draft resolution issued approving PPA.
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Sand Drag Solar Farm (Eurus)

Solar Partners XV (project Name TBD) (BrightSource 5)

PROJECT DESCRIPTION:

Location: TBD (Broadwell Lake site abandoned 9/2009)	Technology: Solar Thermal
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 573
Levelized Post-TOD Price (\$/MWh): 157.88	PG&E Log Number: 33R067
Advice Letter #: 3459-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2014	Guaranteed Commercial Operation Date: 7/1/2015

PERMITTING:

Lead Agency: TBD	
Local/State Agencies: TBD	Federal Agencies: None
Local/State Details: Key Issue: Land Use. Mother Road issue forced abandonment of Broadwell Lake site, so there is no longer site control. Sites are being considered in California, Arizona, and Nevada.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: n/a

OTHER NOTES:

Potential amendment to extend option to terminate in the event the project is a non-CAISO project.
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Solar Partners XV (project Name TBD) (BrightSource 5)

Solar Partners XXII (project Name TBD) (BrightSource 6)

PROJECT DESCRIPTION:

Location: TBD (Broadwell Lake site abandoned 9/2009)	Technology: Solar Thermal
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 573
Levelized Post-TOD Price (\$/MWh): 162.71	PG&E Log Number: 33R068
Advice Letter #: 3459-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 12/1/2015	Guaranteed Commercial Operation Date: 12/1/2016

PERMITTING:

Lead Agency: TBD	
Local/State Agencies: TBD	Federal Agencies: None
Local/State Details: Key Issue: Land Use. Mother Road issue forced abandonment of Broadwell Lake site, so there is no longer site control. Sites are being considered in California, Arizona, and Nevada.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

Potential amendment to extend option to terminate in the event the project is a non-CAISO project.
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Solar Partners XXII (project Name TBD) (BrightSource 6)

Solar Partners XXIII (Project Name TBD) (BrightSource 7)

PROJECT DESCRIPTION:

Location: TBD (Broadwell Lake site abandoned 9/2009)	Technology: Solar Thermal
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 573
Levelized Post-TOD Price (\$/MWh): 167.75	PG&E Log Number: 33R069
Advice Letter #: 3459-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 4/28/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2016	Guaranteed Commercial Operation Date: 7/1/2017

PERMITTING:

Lead Agency: TBD	
Local/State Agencies: TBD	Federal Agencies: None
Local/State Details: Key Issue: Land Use. Mother Road issue forced abandonment of Broadwell Lake site, so there is no longer site control. Sites are being considered in California, Arizona, and Nevada.	Federal Details: None

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

Potential amendment to extend option to terminate in the event the project is a non-CAISO project.
--

Solar Partners XXIII (Project Name TBD) (BrightSource 7)

Solaren

PROJECT DESCRIPTION:

Location: Cantua Creek, Fresno County, CA	Technology: Space Solar
Contract Capacity (MW): 200	Annual Generation (GWh/yr Max): 1700
Levelized Post-TOD Price (\$/MWh): 134.91	PG&E Log Number: 33R062
Advice Letter #: 3449-E	Advice Letter Approval Status: Conditionally Approved

SCHEDULE:

Contract Execution Date: 3/23/2009	Contract Length (Years): 15
Guaranteed Construction Start Date: 10/1/2013	Guaranteed Commercial Operation Date: 6/1/2016

PERMITTING:

Lead Agency: TBD - California Energy Commission (CEC) evaluating jurisdiction	
Local/State Agencies: California Energy Commission (CEC), Fresno County	Federal Agencies: Federal Aviation Administration, Federal Communication Commission
Local/State Details: Permits not yet filed, but expect significant issues due to technology. CEC precertified Solaren as a renewable resource on 04/26/2010.	Federal Details: No permits filed

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

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Solaren

Solel (USS-MSP-1, LLC)

PROJECT DESCRIPTION:

Location: Mojave, CA	Technology: Solar Thermal
Contract Capacity (MW): 553	Annual Generation (GWh/yr Max): 1388
Levelized Post-TOD Price (\$/MWh): 103.4	PG&E Log Number: 33R025
Advice Letter #: 3092-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 6/28/2007	Contract Length (Years): 25
Guaranteed Construction Start Date: 12/31/2010	Guaranteed Commercial Operation Date: 1/1/2012

PERMITTING:

Lead Agency: Bureau of Land Management	
Local/State Agencies: California Energy Commission (CEC), CA Dept. of Fish and Game, San Bernardino County, Mojave Desert Air Quality Management District	Federal Agencies: Bureau of Land Management (BLM), US Army Corps of Engineers
Local/State Details: Key Issue: Siting. Changing sites several times has delayed permitting. In addition, until there is a decision regarding the proposed Mojave Trails National Monument (which would include part of the Stedman site), Solel has put further permitting work on hold. PG&E has requested information regarding viability of 12/2010 Guaranteed Construction Start Date. Solel responded that it is pursuing an alternate site that may be further along in the permitting process, but has not provided any information on any alternate sites thus far.	Federal Details: Withdrew BLM application at Stedman site because Mohave Trails National Monument ("Mother Road") makes site not viable.

TRANSMISSION:

Interconnection Agreement Status: Not started
Status of interconnection facilities and upgrades: TBD

OTHER NOTES:

The Solel project was sold to US Solar in October 2009. The project site has been abandoned, and Solel failed to meet its 7/1/2010 deadline to have obtained construction permits.
--

Solel (USS-MSP-1, LLC)

SPS Alpaugh (Samsung; ENCO)

PROJECT DESCRIPTION:

Location: Alpaugh, Tulare County, CA	Technology: Solar PV
Contract Capacity (MW): 50	Annual Generation (GWh/yr Max): 113
Levelized Post-TOD Price (\$/MWh): 172.3	PG&E Log Number: 33R118
Advice Letter #: 3613-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 12/22/2009	Contract Length (Years): 25
Guaranteed Construction Start Date: 10/1/2012	Guaranteed Commercial Operation Date: 2/1/2013

PERMITTING:

Lead Agency: Tulare County	
Local/State Agencies: Tulare County	Federal Agencies: None
Local/State Details: Conditional Use Permit application was filed with the county on 4/6/2010	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Pending Phase II Cluster Study result

OTHER NOTES:

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SPS Alpaugh (Samsung; ENCO)

SPS Alpaugh North

PROJECT DESCRIPTION:

Location: Alpaugh, Tulare County, CA	Technology: Solar PV
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 39
Levelized Post-TOD Price (\$/MWh): 172.25	PG&E Log Number: 33R119
Advice Letter #: 3613-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 1/26/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 8/1/2012	Guaranteed Commercial Operation Date: 11/1/2012

PERMITTING:

Lead Agency: Alpaugh Irrigation District	
Local/State Agencies: Tulare County	Federal Agencies: None
Local/State Details: Conditional Use Permit application was filed with the county on 4/6/2010	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Complete
Status of interconnection facilities and upgrades: Interconnection Agreement executed on May 24, 2010.

OTHER NOTES:

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SPS Alpaugh North

SPS Atwell Island

PROJECT DESCRIPTION:

Location: Alpaugh, Tulare County, CA	Technology: Solar PV
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 39
Levelized Post-TOD Price (\$/MWh): 172.35	PG&E Log Number: 33R120
Advice Letter #: 3613-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 1/26/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 3/1/2012	Guaranteed Commercial Operation Date: 6/1/2012

PERMITTING:

Lead Agency: Alpaugh Irrigation District	
Local/State Agencies: Tulare County	Federal Agencies: None
Local/State Details: Conditional Use Permit application was filed with the county on 3/24/2010	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: PG&E is working with the CAISO to allow for a deliverability study to be conducted for this contract.

OTHER NOTES:

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SPS Atwell Island

SPS Corcoran

PROJECT DESCRIPTION:

Location: Corcoran, King County County, CA	Technology: Solar PV
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 39
Levelized Post-TOD Price (\$/MWh): 172.24	PG&E Log Number: 33R121
Advice Letter #: 3613-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 1/26/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 7/1/2012	Guaranteed Commercial Operation Date: 10/1/2012

PERMITTING:

Lead Agency: Corcoran	
Local/State Agencies: Kings County	Federal Agencies: N/A
Local/State Details: Conditional Use Permit application was filed with the county on 6/8/2010	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Facilities studies complete.

OTHER NOTES:

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SPS Corcoran

SPS White River

PROJECT DESCRIPTION:

Location: Alpaugh, Tulare County, CA	Technology: Solar PV
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 39
Levelized Post-TOD Price (\$/MWh): 172.32	PG&E Log Number: 33R122
Advice Letter #: 3613-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 1/26/2010	Contract Length (Years): 25
Guaranteed Construction Start Date: 3/1/2012	Guaranteed Commercial Operation Date: 7/1/2012

PERMITTING:

Lead Agency: Alpaugh Irrigation District	
Local/State Agencies: Tulare County	Federal Agencies: None
Local/State Details: Conditional Use Permit application was filed with the county on 4/19/2010.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: Facilities study complete.

OTHER NOTES:

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SPS White River

Sun City Project Solar Farm (Eurus)

PROJECT DESCRIPTION:

Location: Avenal, Kings County, CA	Technology: Solar PV
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 34.63
Levelized Post-TOD Price (\$/MWh): 240.59	PG&E Log Number: 33R124
Advice Letter #: 3610-E	Advice Letter Approval Status: Pending. Draft resolution issued approving PPA.

SCHEDULE:

Contract Execution Date: 12/24/2009	Contract Length (Years): 20
Guaranteed Construction Start Date: 11/26/2010	Guaranteed Commercial Operation Date: 5/25/2011

PERMITTING:

Lead Agency: Kings County	
Local/State Agencies: Kings County	Federal Agencies: None
Local/State Details: All major permits have been received.	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Complete
Status of interconnection facilities and upgrades: FERC SGIP studies complete. IA negotiations under PG&E WDT process. Project is connected to a non-CAISO controlled facility.

OTHER NOTES:

Draft resolution issued approving PPA.
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Sun City Project Solar Farm (Eurus)

Sunshine Gas

PROJECT DESCRIPTION:

Location: Sylmar, Los Angeles County, CA	Technology: Landfill Gas
Contract Capacity (MW): 20	Annual Generation (GWh/yr Max): 140
Levelized Post-TOD Price (\$/MWh): 129.01	PG&E Log Number: 33R132
Advice Letter #: 3623-E	Advice Letter Approval Status: Pending

SCHEDULE:

Contract Execution Date: 2/4/2010	Contract Length (Years): 20
Guaranteed Construction Start Date: 6/15/2013	Guaranteed Commercial Operation Date: 12/15/2014

PERMITTING:

Lead Agency: Los Angeles County	
Local/State Agencies: South County Air Pollution Control District	Federal Agencies: None
Local/State Details: Project is in process of obtaining air permit. CEQA Initial Study was published on 11/18/2009. Continued review and preparation of the CEQA Supplemental Environmental Impact Report for projected release in July by AQMD (pending SCE comments and input).	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: Under Negotiation
Status of interconnection facilities and upgrades: CAISO SGIP. Facilities studies are complete.

OTHER NOTES:

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Sunshine Gas

Topaz Solar Farms (OptiSolar, Desert Topaz)

PROJECT DESCRIPTION:

Location: Santa Margarita, San Luis Obispo County, CA	Technology: Solar PV
Contract Capacity (MW): 550	Annual Generation (GWh/yr Max): 1148
Levelized Post-TOD Price (\$/MWh): 164.63	PG&E Log Number: 33R056
Advice Letter #: 3313-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 7/1/2008	Contract Length (Years): 20
Guaranteed Construction Start Date: 12/31/2011	Guaranteed Commercial Operation Date: 6/30/2014

PERMITTING:

Lead Agency: San Luis Obispo County	
Local/State Agencies: San Luis Obispo County	Federal Agencies: US Army Corps of Engineers
Local/State Details: Key Issue: Wildlife Corridor. Conditional Use Permit Application filed July 2008, with revisions in June 2009. Preparation of draft Environmental Impact Report commenced in June 2009, and is expected to be released in Q4 2010. Potential for delay due to wildlife corridor issue (California Valley Solar Ranch jointly shares this issue). The CA Department of Fish and Game recently requested an additional study to determine if the project would impact the migration of golden eagles. This is a new request from Fish and Game, and can only be performed in April and May. First Solar is complying with the request, at significant additional cost.	Federal Details: Submitted - Clean Water Act Section 404 Permit

TRANSMISSION:

Interconnection Agreement Status: Executed - 210 MW, Under Negotiation for 190 MW and 150 MW sites
Status of interconnection facilities and upgrades: LGIA executed for first 210 MW; LGIA being finalized for 190 MW on recently acquired Ausra site. The remaining 150 MW are in the CAISO transition cluster; Phase 2 studies are underway. All three are interconnecting into PG&E service territory.

OTHER NOTES:

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Topaz Solar Farms (OptiSolar, Desert Topaz)

Vantage Wind Energy Center

PROJECT DESCRIPTION:

Location: Ellensburg, Kittitas County, WA	Technology: Wind
Contract Capacity (MW): 90	Annual Generation (GWh/yr Max): 277
Levelized Post-TOD Price (\$/MWh): 146.24	PG&E Log Number: 33R083
Advice Letter #: 3525-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 8/17/2009	Contract Length (Years): 15
Guaranteed Construction Start Date: 6/1/2010	Guaranteed Commercial Operation Date: 1/1/2011

PERMITTING:

Lead Agency: Kittitas County	
Local/State Agencies: Kittitas County	Federal Agencies: Federal Aviation Administration
Local/State Details: Major permitting work is complete. Development agreement with County approved in March 2008. County approved construction permit in October 2008.	Federal Details: Turbine locations were approved by Federal Aviation Administration in March 2009.

TRANSMISSION:

Interconnection Agreement Status: Signed
Status of interconnection facilities and upgrades: PSE has minor communications upgrades to perform at their existing Wind Ridge Substation. Vantage has begun construction of the substation. Engineering and grading for the new 3.2 mile 230kV transmission line and switchyard has also begun.

OTHER NOTES:

Facility is under construction and on schedule.

Vantage Wind Energy Center

Vintage Dairy (Vintage Dairy)

PROJECT DESCRIPTION:

Location: Riverdale, CA	Technology: Digester Gas
Contract Capacity (MW): N/A	Annual Generation (GWh/yr Max): 0
Levelized Post-TOD Price (\$/MWh): N/A	PG&E Log Number: M-R-7013
Advice Letter #: 2979-E	Advice Letter Approval Status: Approved

SCHEDULE:

Contract Execution Date: 12/11/2006	Contract Length (Years): 10
Guaranteed Construction Start Date: N/A	Guaranteed Commercial Operation Date: N/A

PERMITTING:

Lead Agency: N/A	
Local/State Agencies: N/A	Federal Agencies: None
Local/State Details: N/A	Federal Details: N/A

TRANSMISSION:

Interconnection Agreement Status: N/A
Status of interconnection facilities and upgrades: N/A

OTHER NOTES:

Vintage Dairy is not currently delivering any biogas.

Vintage Dairy (Vintage Dairy)