

Monthly Report on Renewable Project Development

Provided by Pacific Gas and Electric Company to the CPUC on 7/21/2010

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Executive Summary

Recent Events:

Commercial Operation:

- 4/13/10 – **Big Valley Power**, a former QF, achieved commercial operation under an RPS contract.
- 4/30/10 – **CalRenew** achieved commercial operation. CalRenew has been interconnected under the condition that they fulfill PG&E's requirements to install automatic voltage regulation by October 31, 2010.
- 5/19/2010 - **El Dorado Irrigation District** began initial energy delivery to PG&E on 5/19/2010; however the contractual delivery term does not begin until 5/16/2011. EID will provide pre-delivery term energy from 5/19/2010 to 5/16/2011, when the 10-year delivery term will begin.
- 5/31/10 – **Copper Mountain Solar 1** began delivering energy from the first 8 MW of installed capacity. At the end of July, the project capacity is expected to reach 13 MW. Guaranteed commercial operation date for the full 48 MW of the project is 7/20/2011.
- 6/23/10 - **Big Creek Water Works** achieved commercial operation under its contract with PG&E. Big Creek must upgrade all existing protective relays by December 31, 2010, and Big Creek acknowledged that PG&E is not obligated to buy power from Big Creek if they fail to meet this deadline.
- 7/1/2010 – **South Feather Water and Power Agency** began delivering from the Sly Creek and Kelly Ridge power houses under an RPS contract.
- 7/1/2010 – Calpine began deliveries from the 250 MW **Geysers** PPA, following final and non-appealable CPUC approval.

Construction Start:

- 5/17/10 – NextEra began construction on the **Montezuma Wind Energy Center**. Guaranteed COD is 1/30/2011.

Termination:

- 4/7/2010 - **San Joaquin Solar 1&2** were terminated due to failure to provide collateral.

Recent Executions:

- 7/12/2010 - PG&E and **Terra-Gen Power** executed a PPA for the 53 MW Coyote Canyon geothermal project.

Missed Milestones:

- 7/1/2010 - **Solel** failed to meet its deadline to have obtained construction permits.

Recent CPUC Approvals:

- 6/9/10 – Geysers 250/425 MW
- 7/5/10 – Agua Caliente
- 7/5/10 – DTE Stockton

Recent Major Amendments:

- 6/9/2010 – **Genesis Solar** was amended to address a price reduction to the dry cooling price, a further reduction if NextEra is successful in obtaining a DOE loan

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guarantee, and remove the pricing adjustments allowed for permitting and transmission delays.

- 6/24/2010 – The **Solaren** PPA was modified to extend time for CPUC approval to 11/20/2010.
- 6/24/2010 – The **Mojave Solar** PPA was modified to extend time for CPUC approval to 11/30/2010.
- 7/7/10 - **Ivanpah Solar Electric Generating Station #1 and #3** (BrightSource 1 and BrightSource 2) were amended to (1) Allow for an increase in contract prices (2) Move CODs back by one year to 7/13/2013 for PPA 1 and by 6 months to 12/31/2013 for PPA 2; (3) Increase project capacity from 110 MW to 118 MW for PPA 1 and, decrease project capacity from 200 MW to 130 MW for PPA 2
- 7/14/10 – The **Greengate** PPAs (**Halkirk I, Blackspring IA, and Blackspring IB**) were modified to extend time for CPUC approval to 2/28/2011.
- 7/14/10 – The **Powerex** PPA was modified to extend time for CPUC approval to 10/28/2010.

Upcoming Events:

Commercial Operation:

- 10/1/10 – **Vantage Wind** expected to have completed construction and achieve COD.
- 10/1/10 – **Barclays Hay Canyon Wind** is an operational wind facility, expected to begin deliveries to PG&E, pending CPUC approval.
- 11/1/10 – **Barclays Nine Canyon Wind** is an operational wind facility, expected to begin deliveries to PG&E, pending CPUC approval.
- 12/31/10 – **Hatchet Ridge Wind** is expected to begin delivering test energy in July, with the full COD by 12/31/10.

Expected Construction Start:

- 8/31/10 – **Mt. Poso's** expected construction start date is on 8/31/10, the same as its guaranteed date.
- 10/1/10 – **Agua Caliente** is expected to start construction prior to its guaranteed construction start date of 6/1/11.
- 10/1/10 – **AV Solar Ranch 1** is expected to start construction prior to its guaranteed construction start date of 8/31/11.
- 11/30/10 – **Sand Drag and Sun City Solar Farms** are expected to start construction, pending CPUC approval
- 12/30/10 – **Avenal Park Solar Farm** is expected to start construction, pending CPUC approval.
- 1/1/11 – **Ivanpah Solar Electric Generating Station #1 and #3** are expected to start construction prior to their guaranteed construction start dates of 7/1/11.

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Operational Projects:

- **Microgy** – 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.
- **BioEnergy** – The project is not currently delivering biogas. On 4/12/10, PG&E sent BioEnergy a letter reserving our right to declare early termination for failure to deliver sufficient biogas.
- **Global Ampersand** – Global Ampersand continues to have financial difficulties, and as a result, neither Chowchilla nor El Nido is currently generating. Global is attempting to sell the two plants. Their senior lender has stated that if a deal is not struck by 9/30/2010, then they will foreclose on the plants and will assume ownership. PG&E had been in negotiations with Global for some time on PPA amendments that would provide price increase.