

# Project(s) Contribution to TREC Usage Cap<sup>1</sup>

Confidentiality Protected Under Decision 06-06-066

<b>Project Name/Facility Name</b>	Greengate: Halkirk I Wind Project LP, Blackspring IA Wind Project LP, and Blackspring IB Wind Project LP	Renewable Resource Contracts Under RPS Program
<b>Project's facility status</b>	Facility/facilities not in commercial operation at the time the contract was signed	

All facilities under contract with PG&E as REC only transactions	2010	2011	2012	2013
RPS Goal/APT (GWh)	{Redacted}			
TREC usage cap (GWh)				
TREC deliveries from Project (GWh)				
TREC deliveries from Project (as a percentage of TREC cap)				
TREC deliveries from other facilities under contract (GWh) <sup>2</sup>				
TREC deliveries from other facilities under contract (as a percentage of TREC cap) <sup>2</sup>				
Total TREC deliveries including Project (GWh) <sup>2</sup>				
Total TREC deliveries including Project (as a percentage of TREC cap) <sup>2</sup>				
TREC headroom (exceeds cap) (GWh) <sup>3</sup>				

TREC online facilities <sup>4</sup>	2010	2011	2012	2013
TREC deliveries from online facilities (GWh) <sup>2</sup>	{Redacted}			
Total TREC deliveries from online facilities (as a percentage of TREC cap) <sup>2</sup>				

TREC not online facilities <sup>5</sup>	2010	2011	2012	2013
TREC deliveries from not online facilities (GWh)	{Redacted}			
Total TREC deliveries from not online facilities (as a percentage of TREC cap)				

<sup>1</sup> Deliveries only shown for 2010 through 2013, as applicable TREC usage cap only applies to these years.

<sup>2</sup> For contracts that have been redefined as REC-only contracts by Decision 10-03-021 (REC decision), estimated deliveries from January 1, 2010 to March 10, 2010 are excluded from the totals because prior to the effectiveness of the REC decision, they are counted as a bundled contract.

<sup>3</sup> This table assumes that earmarked TRECs are used for compliance in the year they are delivered. PG&E reserves the right to apply TRECs toward any applicable cap in any year in which they are actually used for RPS compliance, including, if appropriate, the year in which they were earmarked. Such changes could alter the headroom calculations presented above. Additionally, TRECs above the cap in any year may be earmarked to prior years, or banked for future years.

<sup>4</sup> Facilities delivering or contractually obligated to deliver to PG&E pursuant to executed contracts in which the facility was already online as of the execution date of its associated contract.

<sup>5</sup> Facilities delivering or contractually obligated to deliver to PG&E pursuant to executed contracts in which the facility was not yet online as of the execution date of its associated contract.

**Project(s) Green Attribute Price Comparison**

<b>Project Name/Facility Name</b>	Greengate: Halkirk I Wind Project LP, Blackspring IA Wind Project LP, and Blackspring IB Wind Project LP
<b>Project's facility status</b>	Facility/facilities not in commercial operation at the time the contract was signed

<b>Comparison of Project vs facilities online as of contract execution 1</b>	
<b>Project Name/Facility Name</b>	<b>Green Attribute Price (\$/MWh) 3</b>
Klondike Wind Power IIIA, LLC and Bonneville Power Administration Powerex Corp.	{Redacted}
Shell Energy North America (US), L.P./White Creek (2010 portion)	
Shell Energy North America (US), L.P./Big Horn	
Shell Energy North America (US), L.P./Big Horn II	
Shell Energy North America (US), L.P./Harvest Wind II	
<b>Blackspring Ridge IA Wind Project LP</b>	
<b>Blackspring Ridge IB Wind Project LP</b>	
Shell Energy North America (US), L.P./ White Creek (2011 portion)	
<b>Halkirk I Wind Project LP</b>	
Shell Energy North America (US), L.P./Harvest Wind I	
Shell Energy North America (US), L.P./Wheat Field	
Shell Energy North America (US), L.P./White Creek III	
Pacificorp (2010 portion)	
Shell Energy North America (US), L.P./Combine Hills II	
Barclays Bank PLC/Hay Canyon Wind	
Barclays Bank PLC/Nine Canyon Wind	
Puget Sound Energy, Inc.	
Pacificorp (2011 portion)	
Shell Energy North America (US), L.P./White Creek II	
Pacificorp (2012 portion)	
Sierra Pacific Industries	

<b>Comparison of Project vs facilities not online as of contract execution 2</b>	
<b>Project Name/Facility Name</b>	<b>Green Attribute Price (\$/MWh) 3</b>
Klondike III Wind Power, LLC TransAlta Corporation	{Redacted}
Solar Partners XII, LLC/ BrightSource III	
Solar Partners XIV, LLC/BrightSource IV	
<b>Blackspring Ridge IA Wind Project LP</b>	
<b>Blackspring Ridge IB Wind Project LP</b>	
<b>Halkirk I Wind Project LP</b>	
Vantage Wind Energy LLC	
Arlington Wind Power Project LLC	
El Dorado Solar (Sempra)	

1 Facilities delivering or contractually obligated to deliver to PG&E pursuant to executed contracts in which the facility was already online as of the execution date of its associated contract.

2 Facilities delivering or contractually obligated to deliver to PG&E pursuant to executed contracts in which the facility was not online as of the execution date of its associated contract.

3 For those projects where the PPA and/or CPUC advice letter filing do not specify a Green Attributes price separate from the overall project transaction price, the net value set forth in the CPUC advice letter filing is used to represent an implied REC price for bundled transactions. These net values are not necessarily comparable as they were calculated at different times. As project attributes are unique, PG&E expressly reserves the right to assert that a different calculation methodology should be used to derive an implied REC value of an all-in bundled energy purchase if and when any such calculation becomes necessary to determine compliance with any CPUC-ordered price cap on Green Attributes.

4 Klondike Wind Power III, LLC and Bonneville Power Administration considered online as the existing facility and expansion project were operational at time of contract execution, with the exception of one replacement turbine of 2.3 MW.

Project Name/Facility Name	Facility(s) Online/Not Online (at time of execution of contract)	Status	Execution Date	CPUC Approval Date	Facility COD	Forecasted Net Deliveries (MWh)	
						2010	2011
Arlington Wind Power Project LLC	{Redacted}						
El Dorado Solar (Sempra)							
Barclays Bank PLC/Hay Canyon Wind							
Barclays Bank PLC/Nine Canyon Wind							
Blackspring Ridge IA Wind Project LP							
Blackspring Ridge IB Wind Project LP							
Halkirk I Wind Project LP							
Klondike III Wind Power, LLC							
Klondike Wind Power IIIA, LLC and Bonneville Power Administration							
Pacificorp (2010 portion)							
Pacificorp (2011 portion)							
Pacificorp (2012 portion)							
Powerex Corp.							
Puget Sound Energy, Inc.							
Shell Energy North America (US), L.P./White Creek (2010 portion)							
Shell Energy North America (US), L.P./White Creek (2011 portion)							

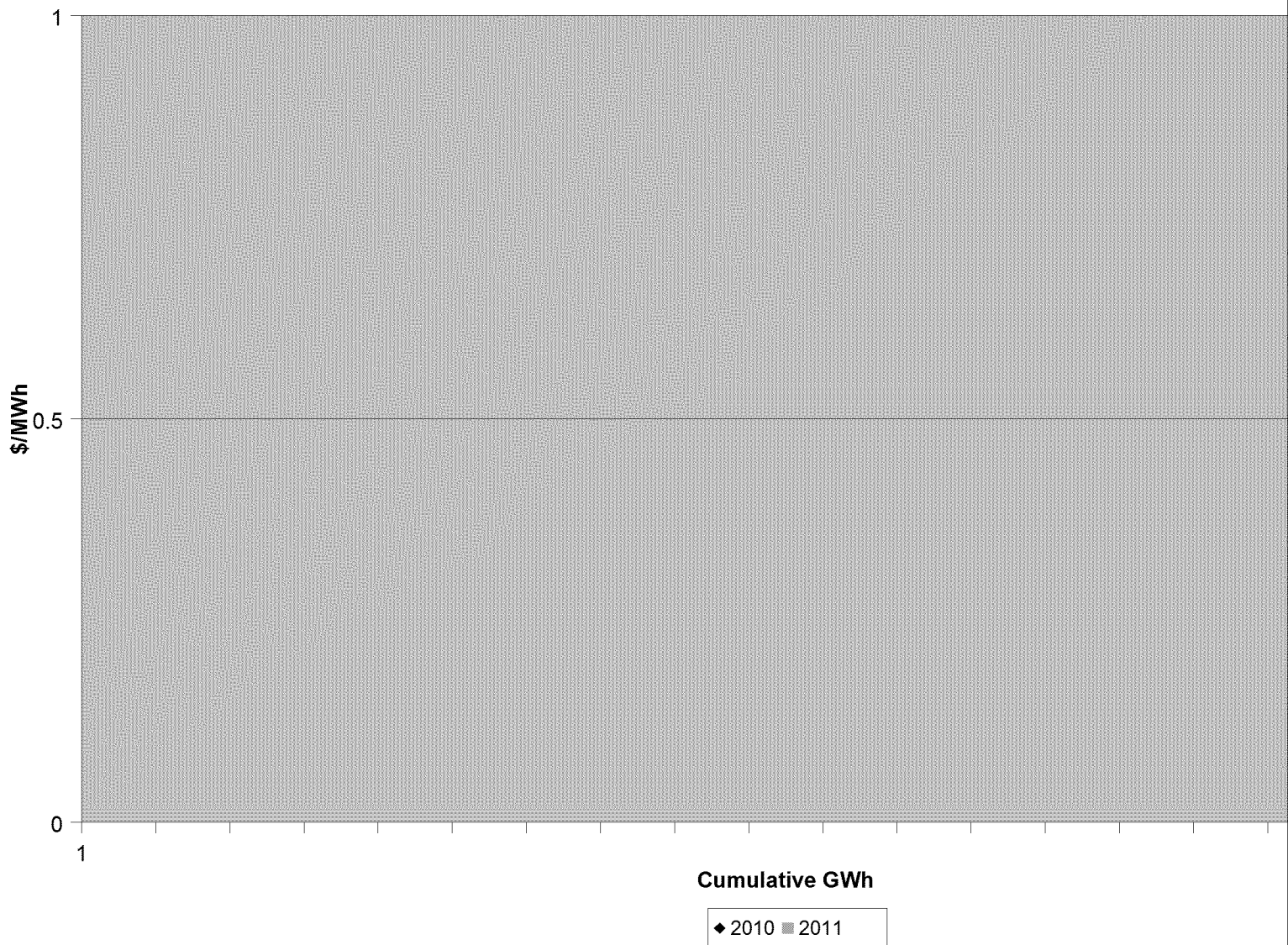
Shell Energy North America (US), L.P./Big Horn
Shell Energy North America (US), L.P./Big Horn II
Shell Energy North America (US), L.P./Combine Hills II
Shell Energy North America (US), L.P./Harvest Wind I
Shell Energy North America (US), L.P./Harvest Wind II
Shell Energy North America (US), L.P./Wheat Field
Shell Energy North America (US), L.P./White Creek II
Shell Energy North America (US), L.P./White Creek III
Sierra Pacific Industries
Solar Partners XII, LLC/ BrightSource III
Solar Partners XIV, LLC/BrightSource IV
TransAlta Corporation
Vantage Wind Energy LLC

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2012	2013	Green Attribute Price (\$/MWh)	1= Contract in the Advice Letter filing 0 = other executed TREC contracts
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### Comparison of green attribute prices of REC-only projects already online (\$/MWh)



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Comparison of green attribute prices of REC-only projects not yet online (\$/MWh)

