

Renewables Portfolio Standard

Project Development Status Report Update

Please enter the name of your utility and the name of the analyst primarily responsible for completing the report.

Utility Name	Pacific Gas and Electric Company
Analyst Name	

Provide information for the updated fields (highlighted in green) on the Project Information and Project Transmission Status tabs, update existing fields in cases of known inaccuracies or omissions in the August filing, complete the attestation, and e-mail the completed file to the address below.

Amy Baker

e-mail: aeg@cpuc.ca.gov

email: ab1@cpuc.ca.gov

phone: 415-703-1691

Project Development Status Report Updates are due by close of business January 11, 2010.

primarily

the Project
fields in
complete the
w.

business

Instructions and Notes

-Provide information for the updated fields (highlighted in green) and update existing fields in cases of known inaccuracies or omissions in the August 2009 filing.

-Information on the short-listed bids in particular may be limited, but please populate the worksheet to the best of your ability.

-Please provide separate rows for projects with multiple locations/phases, as needed. Identify such multiple locations/phases by adding letters to the project ID, e.g. PG0803A, PG0803B, etc.

Please highlight all cells that are updated/added in bright green.

Project Information Tab	Column	Field	Notes
	A	CPUC ID	Field is linked to subsequent tabs
	B	IOU ID	This field is optional, IOUs may enter internal tracking IDs
	D	Project Name	Field is linked to subsequent tabs
	E	Technology Type	For solar technologies, differentiate between ground and roof-mounted PV and solar thermal with and without storage.
	G	Solicitation / Bilateral Year	Bilateral year is the year in which the contract is submitted for CPUC approval
	O	Latitude	Input in decimal format
	P	Longitude	Input in decimal format
	Q	CREZ	Identify which Competitive Renewable Energy Zone the project is associated with.
	AB	EIR Agency/Permit Type	Identify the lead Environmental Impact Report agency and permit type. For example CEC AFC, Kern County CUP, etc.
	AE	Description of major permitting issues	Identify any permitting issues that may delay or put the project at risk of failure
	AF	Guaranteed construction start date	Input the guaranteed construction start date per the contract.
	AG	Expected construction start date	Provide best estimate of date that construction will begin; if already begun, input the date construction began.
	AI	Guaranteed COD	For projects under development, input the guaranteed COD - If the facility is online, input the contract start date - if the contract is under negotiation, enter best estimate
	AJ	Actual or Expected COD	Provide best estimate of COD - If the project has come online, provide the actual COD - Cell turns red if the project is delayed

Procedural Information	Column	Field	Notes
	A	CPUC ID	Linked/autofilled from Project Information tab
	B	IOU ID	This field is optional, IOUs may enter internal tracking IDs
	C	Project Name	Linked/autofilled from Project Information tab
	E	IOU Contract Manager Contact	Provide name, phone number, and e-mail address - no information needed for online projects

Amendments	F	Developer Contact	Provide name, phone number, and e-mail address - no information needed for online projects
	G	Advice Letter / Application Number	Leave blank if no advice letter/application has been filed
	H	Amendment Advice Letter Number(s)	Provide Advice Letter numbers for any amendments that have been filed
	I	Description of amendments (filed)	Provide a description for filed amendments. For example, price re-opener
	J	Description of anticipated amendments	Describe negotiated amendments that will be filed with the CPUC
	K	Description of minor amendments - no filing requirement	Describe amendments that will not be filed with the CPUC
	L	Proposed Price (\$/MWh)	Levelized TOD-Adjusted Bid Price/Proposed Price (\$/MWh) over the term of the proposed project.
	M	Contract Price (\$/MWh)	Levelized TOD-Adjusted Final Contract Price (\$/MWh) over the term of the contract
	N	Applicable MPR (\$/MWh)	Levelized TOD-Adjusted MPR (\$/MWh) over the term of the contract - input for bilateral/short-listed projects as well (10 year MPR can be used for short-term contracts)
	P	Min Above Market Costs (\$/MWh)	Minimum levelized above market costs (\$/MWh) over the term of the contract input for bilateral/short-listed projects as well - output is found in the AMF calculator Results tab, cell D16
	Q	Max Above Market Costs (\$/MWh)	Maximum levelized above market costs (\$/MWh) over the term of the contract - input for bilateral/short-listed projects as well - output is found in the AMF calculator Results tab, cell D16
	R	Min Total Amount of Above Market Costs (\$)	Minimum amount of Above Market Costs - input for bilateral/short-listed projects as well - output is found in the AMF calculator Results tab, cell D17
	S	Max Total Amount of Above Market Costs (\$)	Maximum amount of Above Market Costs - input for bilateral/short-listed projects as well - output is found in the AMF calculator Results tab, cell D17
T	Green Attribute Price \$/MWh	If applicable, enter the price of the green attribute	

Project Transmission Status Tab

Column	Field	Notes
A	CPUC ID	Linked/autofilled from Project Information tab
B	IOU ID	This field is optional, IOUs may enter internal tracking IDs
C	Project Name	Linked/autofilled from Project Information tab
Interconnection		
D	Queue (CAISO, IID, BPA, etc.)	Queue to which the project must apply; if none, enter "n/a"
E	Queue Position / CAISO Cluster	State the project's position in the queue or the CAISO Cluster. If project has not yet started the interconnection study process, explain why and provide expected start date
F	Feasibility Study	Indicate status of CAISO feasibility study from drop-down menu
G	System Impact Study / Phase I Study	Indicate status of CAISO system impact study or Phase I study from drop-down menu
H	Facility Study / Phase II Study	Indicate status of CAISO facility study or Phase II study from drop-down menu
I	Preferred Point of Interconnection (line/substation, etc.)	Describe location and nature of interconnection point
J	Early Interconnection Needed/Possible? If yes, describe.	If "yes", describe whether early interconnection has been approved by the utility and system operator

K	Status of Interconnection Agreement	Indicate whether Interconnection Agreement has already been executed ("signed"), has been tendered or is in progress ("under negotiation"), or is not yet in progress ("not started").
L	Expected execution date of Interconnection Agreement	Provide a realistic date for an executed IA, based on information from the relevant developer, interconnecting utility, and system operator.
M	Status of planning for interconnection facilities and related upgrades	Provide detail not entered elsewhere on status of planning. For example whether required upgrades are included in the CAISO's most recent annual transmission plan, etc.
N	Describe any transmission planning process issues	Provide detail not entered elsewhere on transmission planning process issues
O	Upgrade name, if applicable, and location	Provide as much detail as possible regarding location and nature of network upgrade(s) required to bring the project online.
P	Network upgrade type (if more than one, add line for each)	Choose from drop-down menu
Q	Length (miles)	Provide length of new line or reconductor
R	Voltage (kv)	Provide voltage of new line, reconductor, or substation upgrades
S	CPUC application required?	Choose from drop-down menu
T	CPUC application number	If applicable, provide number of application filed at CPUC
U	CPUC application filing date	If applicable, provide date application filed at CPUC
V	If CPUC application required but not filed, provide explanation and expected filing date	Provide information as required
W	Estimated completion date for upgrades	Month/Date/Year: Provide best estimate for completion of upgrade required, given latest information re: construction, permitting, etc.

Network Upgrade(s) Required

Project Viability

Notes

Guidelines for scoring are provided in the PV Criteria_Scoring Guidelines tab. Online projects do not need to be scored. This tab is locked. IOU may create an additional tab with a modified calculator.

Menus

Notes

Drop down lists are housed in this tab. IOU may add additional items to lists or create lists as needed

If applicable, describe reasons for delay or termination	Vintage	City	County	State	Latitude	Longitude	CREZ	Site Owner	BLM application serial number (if applicable)
Confidential Protected Material: Protected under Appendix 1 in Decision 06-06-066 and General Order 66-C									

If applicable, describe reasons for delay or termination	Vintage	City	County	State	Latitude	Longitude	CREZ	Site Owner	BLM application serial number (if applicable)
Confidential Protected Material: Protected under Appendix 1 in Decision 06-06-066 and General Order 66-C									

If applicable, describe reasons for delay or termination	Vintage	City	County	State	Latitude	Longitude	CREZ	Site Owner	BLM application serial number (if applicable)			
Confidential Protected Material: Protected under Appendix 1 in Decision 06-06-066 and General Order 66-C												

Other technology-specific milestones. Refer to "Menus" for tech-specific milestones.	EIR Agency/Permit Type	Permit Status	Currently planned permitting completion date	Description of major permitting issues
Confidential Protected Material: Protected under Appendix 1 in Decision 06-06-066 and General Order 66-C				

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Description of amendments	Not filed		Cost					
	Description of anticipated amendments	Description of minor amendments - no filing requirement	Proposed Price (\$/MWh)	Contract Price (\$/MWh)	Applicable MPR (\$/MWh)	Eligible for Above Market Funds?	Min Above Market Costs (\$/MWh)	Max Above Market Costs (\$/MWh)

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price if applicable (\$/MWh) Procedural Information Notes

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price - if applicable (\$/MWh) Procedural Information Notes

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price if applicable (\$/MWh) Procedural Information Notes

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price if applicable (\$/MWh) Procedural Information Notes

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price if applicable (\$/MWh) Procedural Information Notes
---	---	---

--

Min Total Amount of Above Market Costs (\$)	Max Total Amount of Above Market Costs (\$)	Green Attribute Price if applicable (\$/MWh)	Procedural Information Notes
---	---	--	------------------------------

--	--	--	--

Interconnection

CPUC ID	IOU ID	Project Name	Queue (CAISO, IID, BPA, etc.)	Queue Position / CAISO Cluster	Feasibility Study	System Impact Study / Phase I	Facility Study / Phase II	Preferred Point of Interconnection (line/substation, etc.)	Early Interconnection Needed/Possible? If yes, describe.
---------	--------	--------------	-------------------------------	--------------------------------	-------------------	-------------------------------	---------------------------	--	--

0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							

CPUC ID	IOU ID	Project Name	Queue (CAISO, IID, BPA, etc.)	Queue Position / CAISO Cluster	Feasibility Study	System Impact Study / Phase I Study	Facility Study / Phase II Study	Preferred Point of Interconnection (line/substation, etc.)	Early Interconnection Needed/Possible? If yes, describe.
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							
0	0	0							

Network upgrade type	Length (miles)	Voltage (kV)	CPUC application required?	CPUC application number	CPUC application filing date	If CPUC application required but not filed, provide explanation and expected filing date	Estimated completion date for upgrades
tbd	n/a	n/a	No				tbd

Transmission Notes

Interconnection Agreement is final, but will not be signed until 90 days prior to commencement of commercial operations. Reflect as Under Negotiation since it is not signed.

(aka Liberty V Lost Hills) CPUC Application not required because network upgrades are limited to the substation.

Technology **Technology type**
Biodiesel
Biogas
Biomass
Conduit hydro
Digester gas
Geothermal
Landfill gas
Muni solid waste
Ocean/tidal
Small hydro
Solar PV - Unidentified
Solar PV - Rooftop
Solar PV - Ground mount
Solar Thermal - no storage
Solar Thermal - with storage (molten salt)
Space solar
Wind

ContractType **Contract Type**
Solicitation
Bilateral
Feed in tariff
IOU standard contract
UOG
UOG - Solicitation

ProjStatus **Project Status**
Online
CPUC approved - on schedule
CPUC approved - delayed
CPUC approved - at risk of failure
CPUC rejected
Pending CPUC approval
Executed, Advice Letter withdrawn
Executed but not yet submitted for CPUC approval
Short-listed / under negotiation
Negotiations terminated
Contract expired
Contract terminated

Vintage
Vintage
Existing
New
Re-power
Re-start

Site **Site Ownership**
Private
Multiple
BLM
City
County
Seller
Tribe
Other - Please add to list in menu tab
Site not yet identified

Construction **Construction Status**
Complete
On schedule
Begun - delayed
Not yet begun
At risk of delay
tbd

Financing **Financing**
All financing secured
Partial financing
Seeking financing

Not yet seeking financing
Financing issues may cause project delay
tbd
n/a

Study

Study
Complete
In progress
Tendered
Waived
Not started
Re-study required
Other
tbd
n/a

Yes/No

Yes / No
Yes
No
n/a

Interconnection

Network Upgrade
New line
Reconductor
Increased transformer bank capacity
Increased bus capacity
Increased substation area
New substation
New switch station
Other
tbd

CPUC

CPCN Application
Yes - CPCN
Yes - PTC
No
tbd

CREZ

Competitive Renewable Energy Zone
Barstow
Baja
British Columbia
Carrizo North
Carrizo South
Colorado
Cuyama
Fairmont
Imperial East
Imperial North
Imperial South
Inyokern
Iron Mountain
Kramer
Lassen North
Lassen South
Mountain Pass
Needles
New Mexico
Nevada N
Nevada C
NonCREZ
Oregon
Owens Valley
Palm Springs
Pisgah
Remote DG
Riverside East
Round Mountain
San Bernardino - Bakersfield

San Bernardino - Lucerne
 San Diego North Central
 San Diego South
 Santa Barbara
 Solano
 Tehachapi
 Twentynine Palms
 Victorville
 Washington
 Wyoming

Status **Permit Status**
 Complete
 On schedule
 Potential for delay
 Delayed
 At risk of failure
 Not filed
 n/a

GenericStatus Signed
 Under Negotiation
 Not started

OMContract Signed
 Under negotiation
 Self-perform
 Not started

EquipmentOrder No - no major equipment ordered yet. If yes, choose below.
 Biodiesel - Engine-generator, turbine, fuel cell, etc.
 Biomass - Steam turbine (or equivalent), boiler (or equivalent)
 Digester Gas / Landfill Gas - Engine-generator, turbine, fuel cell, etc.
 Hydro/Ocean/Tidal - turbine or other power conversion device
 Geothermal - Steam turbine or binary power system skid
 Solar PV - solar PV modules
 Solar thermal - Solar field, steam turbine, steam generator/heat exchanger
 Wind - Wind Turbines
 Other - as applicable

TechMilestone No - milestones not met. If yes, choose below.
 Biodiesel, Biomass, Digester Gas, Municipal Waste - Fuel Supply secured (e.g., contracted) for more than 70% of the fuel supply
 Landfill gas - contract secured for 100% of the fuel supply
 Wind - bat study and avian study complete. For avian study: all three seasons and fall breed nest report
 Geothermal - Resource confirmation complete: discovery well, production wells to 20-25% of capacity, viable injection strategy, & flow validation
 Geothermal - Resource confirmation AND balance of drilling complete: production & injection wells

(TO BE COMPLETED BY UTILITY)
Renewables Portfolio Standard
Project Development Status Report Update
ATTESTATION FORM

CONTACT INFORMATION

Name _____

Title _____

Company _____

Address _____

City, State _____

Phone _____

Fax _____

E-mail _____

