

Cost Quantification Template Overview

- Each IOU will populate tables 1 and 2 shown on pages 1 and 2 below.
- Each IOU will follow the assumption set guidelines as defined on page three of this document.
 - Within the assumption set guidelines described on page three, each IOU will have the latitude to choose specific input assumptions where applicable.
 - Example 1: Each IOU will have the latitude to select its generic resource mix of future procurement based on its specific portfolio need.
 - Example 2: Each IOU will have the latitude to select LCOEs from the E3 RPS calculator based on its own determination of a reasonable cost estimate for its generic resources. Each IOU will provide a justification for its specific LCOE selection.
- While each IOU will populate tables 1 and 2 based on the assumption guidelines described on page three, an IOU may choose to provide additional data in the Cost Quantification chapter in addition to the agreed-upon cost quantification tables.

Joint IOU Cost Quantification Template Table 1 (Actual Costs)

		Actual RPS-Eligible Procurement and Generation Costs									
1	Technology Type	2003	2004	2005	2006	2007	2008	2009	2010	2011	
2	Biogas										
3	Biomass										
4	Geothermal	Reported in \$s									
5	Small Hydro										
6	Solar PV										
7	Solar Thermal										
8	Wind										
9	UOG Small Hydro										
10	UOG Solar										
11	Total CPUC-Approved RPS-Eligible Procurement and Generation Cost <small>[Sum of Rows 2 through 10]</small>										
12	Bundled Retail Sales	Reported in kWh and cents/kWh									
13	Incremental Rate Impact										

Joint IOU Cost Quantification Template Table 2 (Forecast Costs)

		Forecasted Future Expenditures on RPS-Eligible Procurement and Generation Costs								
1	CPUC-Approved RPS-Eligible Procurement and Generation by Technology Type	2012	2013	2014	2015	2016	2017	2018	2019	2020
2	Biogas									
3	Biomass									
4	Geothermal									
5	Small Hydro									
6	Solar PV									
7	Solar Thermal									
8	Wind									
9	UOG Small Hydro									
	UOG Solar									
Reported in \$s										
	RPS-Eligible Procurement and Generation Cost <small>[Sum of Rows 2 through 10]</small>									
2	Forecast RAM Procurement Cost <small>[Future PPAs only]</small>									
1 3	Forecast PV Program Procurement Cost <small>[Future PPAs only]</small>									
1 4	Forecast FIT Procurement Cost <small>[Future PPAs only]</small>									
1 5	Forecast Cost of Executed Contracts Not Yet Approved and Remaining Generic Procurement to Achieve Compliance Period Requirements									
1 6	Total Cost <small>[Sum of Rows 11 through 15]</small>									
1 7	Bundled Retail Sales			Reported in kWh and cents/kWh						
1 8	Incremental Rate Impact									

Joint IOU Assumption Guidelines for Table Input	
Table 1 Items	Actual
Row 2 – 8 <small>(PPA costs)</small>	Settlements data from 1/1/2003 to 12/31/2011
Row 9 <small>(UOG small hydro)</small>	Annualized capital cost plus applicable O&M in each year
Row 10 <small>(UOG solar)</small>	LCOE multiplied by actual generation in each year
Row 12	Actual bundled retail sales data reported to the CEC through the annual RPS track forms and the CPUC through the semi-annual RPS compliance report
Row 13	Total Cost / Bundled Retail Sales
Table 2 Items	Forecast
Row 2 -10 <small>(CPUC-Approved RPS-Eligible Procurement and Generation Cost)</small>	Forecast begins on 1/1/2012 <ul style="list-style-type: none"> • UOG Small Hydro is annualized capital cost plus 2011 O&M escalated at 5% annually • UOG Solar is LCOE multiplied by actual generation in each year
Row 12 <small>(Forecast RAM Procurement Cost)</small>	<ul style="list-style-type: none"> • 1st deliveries begin 24 months after each IOUs assumed contract execution date • Generic product MW mix is priced at LCOEs derived from the RPS calculator (Version 2.0, March 23 2012) • Each IOU will have the latitude to develop its own generic product mix and select its preferred LCOEs from the RPS calculator
Row 13 <small>(Forecast PV Program Procurement Cost)</small>	<ul style="list-style-type: none"> • 1st deliveries assumed to be consistent with the timing developed in a prior program year • Generic product MW mix is priced at LCOEs derived from the RPS calculator (Version 2.0, March 23 2012) • Each IOU will have the latitude to develop its own generic product mix and select its preferred LCOEs from the RPS calculator
Row 14 <small>(Forecast FIT Program Procurement Cost)</small>	<ul style="list-style-type: none"> • Contract execution begins September 1st 2012 and ratable volumes are signed on a monthly basis until each IOU has reached its program cap • 1st deliveries begin 30 months after contract execution • Each IOU will have the latitude to develop its own generic product mix and pricing will be \$89.23/MWh pre-TOD.
Row 15 <small>(Forecast Cost of Executed Contracts Not Yet Approved and Remaining Generics)</small>	<ul style="list-style-type: none"> • Forecast of contract costs for executed contracts not yet approved begins on 1/1/2012 • Generic product MW mix is priced at LCOEs derived from the RPS calculator (Version 2.0, March 23 2012) • Each IOU will have the latitude to develop its own generic product mix and select its preferred LCOEs from the RPS calculator

Row 17	IOU's most current bundled retail sales forecast
Row 18	Total Cost / Bundled Retail Sales