

Appendix C: Cost Proposal Worksheet

This Appendix contains the Cost Proposal Worksheet which must be completed and provided as part of each proponent's Cost Proposal submittal. CUC recognizes that some proponents may wish to propose fuel supply along with generation technologies. For those types of proposals, CUC asks that proponents complete the Fuel Infrastructure Cost Worksheet. Additionally, the Fuel Infrastructure Cost Worksheet has some information which is required for all non-oil resources, including waste-to-energy, CHP, and biomass.

CUC-RFP-15-002 Power Supply Resources
Cost Proposal Worksheet

Project Identifying Information

1) Proponent Name: _____ 2) Proposal Name/Number: _____ 3) Project Name: _____

Owner/Operator Expense Information

This section provides justification for the Project Cost to CUC information provided below. The expense information provided here should reflect those costs to be borne by the project owner and/or operator, regardless of who the owner and/or operator will be.

- 4) **Variable O&M (\$ per MWh)** _____ Provide the estimated average variable operations and maintenance expense expected to be incurred by the project owner in the first contract year. These should be all non-fuel costs which vary depending on the amount of energy produced.
- 5) **Fixed O&M (\$ per kW-year)** _____ Provide the estimated average fixed operations and maintenance costs to be incurred by the project owner in the first contract year. Provide as \$ per kW-year, using the nameplate capacity. The information should reflect all costs which are fixed or relatively stable regardless of the energy produced.
- 6) **Escalation Rate for Variable O&M (%)** _____ Provide an estimate as to the annual escalation rate for variable O&M. Escalation numbers may be provided for each contract year, if applicable, in the section below, "Additional Information."
- 7) **Escalation Rate for Fixed O&M (%)** _____ Provide an estimate as to the annual escalation rate for fixed O&M. Escalation numbers may be provided for each contract year, if applicable, in the section below "Additional Information."
- 8) **Capital Cost (\$)** _____ Provide an estimate of the total cost to bring project to commercial operation. This should be considered an "all in" cost and include the costs to design, engineer, procure, construct, and test the project. Include interest accrued during construction and all fees and miscellaneous payments: permitting fees, consulting fees, legal fees, owner's fees, development fees, taxes, etc. The only project development cost not included here would be the interconnection cost, which should be estimated separately in item 9) Estimated Interconnection Cost.
- 9) **Estimated Interconnection Cost (\$)** _____ Provide an estimate of the interconnection costs. The interconnection cost will be determined as part of the Interconnection Study.

Project Cost to CUC

This section provides the proposed costs to CUC. The cost information provided here should reflect all costs associated with the project to be borne by CUC, regardless of who the owner or operator will be. These costs should reflect what CUC will pay, in total. Please break down costs between those that are reflective of energy delivered (Item 10) versus other types of costs (Item 13).

10) Expected Monthly Energy Cost (\$)

Provide expected monthly cost to CUC for delivered energy in whole U.S. dollars. This cost should be reflective of the Expected Production information provided in the Expected Production Worksheet. Provide an annual weighted average cost, in dollars, based on the monthly energy delivered, and a simple average monthly cost based on monthly costs regardless of energy delivered.

Contract Year:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Month: Jan														
Feb														
Mar														
Apr														
May														
Jun														
Jul														
Aug														
Sep														
Oct														
Nov														
Dec														
Weighted Avg. Cost														
Simple Avg. Cost														

(Cont'd) Expected Monthly Energy Cost (\$)

Contract Year:	15	16	17	18	19	20	21	22	23	24	25 & Beyond
Month: Jan											
Feb											
Mar											
Apr											
May											
Jun											
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											

11) Is this a fixed price component? (Yes/No)

12) If variable, what do these costs depend upon, with what do they fluctuate?

13) Expected Monthly Other Costs, as Applicable (\$)

If there are other costs CUC is expected to pay, please provide them as monthly costs in whole U.S. dollars. These costs may include items such as fixed operations & maintenance (O&M) costs, capacity payments, debt service costs, and others. Or, the proponent may include all of these costs as part of item 4) Expected Monthly Energy Cost. All costs not captured in item 4) should be reflected here.

Contract Year:	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Month: Jan														
Feb														
Mar														
Apr														
May														
Jun														
Jul														
Aug														
Sep														
Oct														
Nov														
Dec														

(Cont'd) Expected Monthly Other Costs, as Applicable (\$)

Contract Year:	15	16	17	18	19	20	21	22	23	24	25 & Beyond
Month: Jan											
Feb											
Mar											
Apr											
May											
Jun											
Jul											
Aug											
Sep											
Oct											
Nov											
Dec											

14) Is this a fixed price component? (Yes/No)

15) If variable, what do these costs depend upon, with what do they fluctuate?

Additional Information

Use the space provided to supply additional cost/price information as applicable.

Fuel Infrastructure Cost Worksheet (Required for all non-oil resources, including waste-to-energy, CHP, biomass, and other unique resource options.)

Project Identifying Information

1) Proponent Name: _____ 2) Proposal Name/Number: _____ 3) Project Name: _____
 Location Information:
 4) Description of Project Site: _____ For example, "Located on 10 acres, 1.0 mile NW of Landmark X, near the City of X."
 5) Town/Homestead and Island: _____ Provide the name of the nearest population center, and which island the project is located.

Fuel Infrastructure Cost Breakdown - Provide for any thermal resource other than oil, waste-to-energy, combined heat and power, and biomass. Provide as needed for other options.

6) Raw Materials	_____ \$	17) Waste-to-energy and Biomass ONLY - Additional Space for fuel costs & other costs		
7) Balance of Fuel Station Equipment	_____ \$	Enter Labels and Additional Costs, as applicable. Enter fuel costs on a per-year basis first.		
8) Construction and Equipment Installation	_____ \$	Fuel	_____ \$/Yr	
9) Engineering	_____ \$	Label 1	_____	Value 1 _____
10) Construction Management	_____ \$	Label 2	_____	Value 2 _____
11) Insurance/Performance Bonds	_____ \$	Label 3	_____	Value 3 _____
12) Start-Up and Testing	_____ \$	Label 4	_____	Value 4 _____
13) Permitting/Environmental	_____ \$	Label 5	_____	Value 5 _____
14) Land Remediation	_____ \$	Label 6	_____	Value 6 _____
15) Other Owner's Costs (include IDC)	_____ \$	Label 7	_____	Value 7 _____
16) Total Estimated Project Costs	_____ \$			

Infrastructure Cost Pass-Through Information - MUST be consistent with data provided in Cost Proposal Worksheet

18) Volumetric Infrastructure Cost Pass-Through (Y/N): _____ Mark "Y" if variable cost estimate for the project includes debt service recovery adder for fuel infrastructure investment.
 19) Fixed Capacity/Recovery Charge (Y/N) _____ Mark "Y" if fuel infrastructure investment is included as part of debt service or fixed capacity/recovery charge.
 20) Component of Cost Worksheet that includes costs: _____ Please specifically state which line item in the Cost Worksheet for the proposed project includes fuel infrastructure/delivery costs.

Additional Information

Use the space provided to supply additional technical information as applicable. Please provide as detailed as possible descriptions of fuel infrastructure approach.

