**Offer Sheet Template
for a Generation Resource Capacity Source**

**Section 1. Description of Generation Resource**

1. Name of Generation Resource and site code (if available): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Fuel type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ (e.g., natural gas, oil, coal)
3. Nameplate capacity: \_\_\_\_\_\_ MW
4. Net Maximum Sustainable Rating for Winter (this will be considered the offered capacity amount): \_\_\_\_\_\_\_ MW
5. Current Generation Resource status (new/commissioning, seasonally mothballed, mothballed, retired/decommissioned) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Name of interconnecting substation(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
7. Resource ID (if Generation Resource is currently modeled): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. If Generation Resource is in the interconnection process and has not yet completed commissioning, please provide the following:
	* Generator Interconnection or Modification request number: \_\_\_\_\_\_\_\_\_\_\_\_\_
	* Commercial Operations Date (as of 10/2/23): \_\_\_\_\_\_\_\_\_\_\_\_\_
	* Expected date of Initial Synchronization (as of 10/2/23): \_\_\_\_\_\_\_\_\_\_\_\_\_\_
	* Proposed date of Initial Synchronization[[1]](#footnote-2): \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Section 2. Generation Resource Data Requirements**

1. Variable Operations & Maintenance (O&M) costs ($/start) [from start to Low Sustained Limit (LSL), for each start type]:
* Hot Start: \_\_\_\_ ($ per start)
* Intermediate Start: \_\_\_\_ ($ per start)
* Cold Start: \_\_\_\_\_ ($ per start)
1. Variable Operations & Maintenance (O&M) at LSL: \_\_\_\_($/MWh)
2. Fuel consumption (MMBtu per start), for each start type:
* Hot Start: \_\_\_\_ (MMBtu per start)
* Intermediate Start: \_\_\_\_ (MMBtu per start)
* Cold Start: \_\_\_\_\_ (MMBtu per start)

D) Low Sustainable Limit (LSL): \_\_\_\_(MW)

E) Input/Output Equation Coefficients[[2]](#footnote-3):

 I/O = a + bx + cx^2 + dx^3 [x = MW value along the curve][[3]](#footnote-4)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | a | b | c | d |
| Coefficients |  |  |  |  |

F) Fuel Adder: \_\_\_\_\_\_($/MMBtu) (The fuel adder covers the cost of fuel storage and transportation)

G) Operating Fuel Percentage:

|  |  |  |
| --- | --- | --- |
| Fuel Type | At LSL | Above LSL |
| Gas |  |  |
| Fuel Oil |  |  |
| Solid Fuel |  |  |

**Section 3. Start-Up Times, Minimum Run Times, and Limitations**

A) Start-Up Times: [From notification to HSL being available to SCED]

* Cold Start: \_\_\_\_ (minutes)
* Intermediate Start: \_\_\_\_ (minutes)
* Hot Start: \_\_\_\_ (minutes)

B) Minimum Run Time: \_\_\_\_ (minutes)

C) Minimum Down-Time: \_\_\_\_ (minutes)

D) Time to go from Hot to Intermediate: \_\_\_\_ (minutes)

E) Time to go from Intermediate to Cold: \_\_\_\_ (minutes)

**Section 4. Total Eligible Costs**

Note: If awarded a contract for capacity for a Generation Resource Capacity Source, an offering entity must submit budgeted eligible costs for each month in an Excel spreadsheet, consistent with ERCOT Protocols Section 3.14.1.11, Budgeting Eligible Costs.

**Section 5. Offered Capacity and Standby Price**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **(a)** | (b) | (c) | (d = c - b +1) | (e) | (f = d \* e) | (g) |
| **Category** | **Contract Start Date[[4]](#footnote-5)** | **Contract End Date[[5]](#footnote-6)** | **Number of Days Contracted**  | **Hours of Obligation per Day** | **Total Hours of Obligation in Contract Period** | **Contract Capacity for Hours of Obligation in Contract Period**  |
|  |  |  |  | **Hour** | **Hour** | **MW** |
| **n/a** |  |  |  | 24 |  |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| (h) | (i) | (j = h + i) | (k) | (l = [(h \* (1.0 + k) + i] / g | (m = l / f) | (n = m \* g \* f) |
| **Total non-fuel, non-capital eligible costs**[[6]](#footnote-7) **for Contract Period**  | **Total non-fuel, capital eligible costs[[7]](#footnote-8)  for Contract Period**  | **Total Proposed Eligible Costs for Contract Period**  | **Incentive Factor[[8]](#footnote-9)** | **Proposed Standby Price (including application of Incentive Factor**[[9]](#footnote-10)**)** | **Proposed Standby Price per Hour of Obligation**  | **Total Proposed Standby Payment for the Contract Period** |
| **$** | **$** | **$** |  | **$/MW** | **$/MW/Hour** | **$** |
|  |  |  |  |  |  |  |

**Section 6. Calculation of Various Parameters (for reference only)**

A) Fuel cost per start ($/start) = Fuel consumption per start (MMBtu) \* (FIP[[10]](#footnote-11) + FA[[11]](#footnote-12))

B) Fuel cost at LSL ($/MWh) = AHR[[12]](#footnote-13) at LSL \* (FIP + FA)

C) Fuel cost above LSL ($/MWh) = AHR[[13]](#footnote-14) \* (FIP + FA)

D) Standby Payment ($/Hr.) for Contract Period = (e \* (1 + Incentive Factor[[14]](#footnote-15) ) + c) / Hours of Obligation during Contract Period, where,

 e = Total non-fuel, non-capital eligible costs for Contract Period (Section 5 item h, above)

 c = Total non-fuel capital eligible costs for Contract Period (Section 5 item i, above)

**Section 7. Additional Information (Optional)**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Must be no earlier than December 1, 2023 and no later than January 9, 2024 [↑](#footnote-ref-2)
2. Needed to create the average heat rate curve. The I/O curve represents the fuel burned per hour at each MW output of the Generation Resource. [↑](#footnote-ref-3)
3. The I/O curve may be a third- or second-degree polynomial equation. [↑](#footnote-ref-4)
4. Contract Start Date can be any time between December 1, 2023, and January 9, 2024 [↑](#footnote-ref-5)
5. Contract End Date on February 29, 2024, except for Resources that accelerate the Initial Synchronization date, in which case Contract End Date is the earlier of the day before the projected date of Initial Synchronization in the ERCOT RIOO system as of October 2, 2023, and February 29, 2024 [↑](#footnote-ref-6)
6. See paragraph (4)(c) of Protocols Section 3.14.1.11, Budgeting Eligible Costs. [↑](#footnote-ref-7)
7. Capital Expenditures needed to make the Generation Resource operational [↑](#footnote-ref-8)
8. The incentive factor may be greater than or less than 10%. (Note that in this table, for example, an entry of 0.1 represents 10%.) [↑](#footnote-ref-9)
9. Subject to various reduction factors [↑](#footnote-ref-10)
10. Fuel Index Price ($/MMBtu) as described in Section 2 of the Protocols [↑](#footnote-ref-11)
11. Fuel Adder ($/MMBtu) described in Section 2 above [↑](#footnote-ref-12)
12. AHR = Average Heat Rate (MMBtu/MWh) at LSL calculated by ERCOT using the I/O curve [↑](#footnote-ref-13)
13. AHR = Average Heat Rate (MMBtu/MWh) for the operating range between LSL and HSL, calculated by ERCOT using the I/O curve [↑](#footnote-ref-14)
14. The Incentive Factor will be included in the Standby Payment on the Final Settlement and is subject to reductions. [↑](#footnote-ref-15)