**Offer Sheet Template
for an Energy Storage Resource (ESR) Capacity Source**

**Section 1. Description of Energy Storage Resource**

1. Name of ESR and site code (if available): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Nameplate capacity and energy: \_\_\_\_\_\_ MW, \_\_\_\_\_\_ MWh
3. Net Maximum Sustainable Rating for six consecutive hours (injection MW level) for Winter (this will be considered the maximum capacity amount that can be offered and must be consistent with items D and E, below): \_\_\_\_\_\_\_ MW.
4. Minimum State of Charge: \_\_\_\_\_\_ MWh
5. Maximum State of Charge: \_\_\_\_\_\_ MWh
6. Roundtrip Efficiency: \_\_\_\_\_\_ %
7. Name of interconnecting substation(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
8. Resource ID (if ESR is currently modeled): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. If ESR is in the interconnection process and has not yet completed commissioning, please provide the following:
	* Generator Interconnection or Modification request number: \_\_\_\_\_\_\_\_\_\_\_\_\_
	* Projected Commercial Operations Date (as of October 2, 2023): \_\_\_\_\_\_\_\_\_\_\_\_\_
	* Projected date of Initial Synchronization (as of October 2, 2023): \_\_\_\_\_\_\_\_\_\_\_\_\_
	* New proposed date of Initial Synchronization[[1]](#footnote-2): \_\_\_\_\_\_\_\_\_\_\_\_\_

**Section 2. Offered Capacity and Standby Price**

The offering entity must select one or more of the following categories describing the hours in which the ESR would be obligated to provide the service.  An ESR Capacity Source may be selected for only one category.  If ERCOT determines that the ESR Capacity Source would be eligible for clearing in any of multiple categories, ERCOT will select the category that it determines has the greatest reliability benefit for the total expected cost based on the offered price.

* ESR Category 1: (HE[[2]](#footnote-3)) 0500 through HE1000 for each day of the Contract Period[[3]](#footnote-4))
* ESR Category 2: (HE 1800 through HE 2300 for each day of the Contract Period)
* ESR Category 3: (All hours for the following periods):
	+ HE 0500 through HE 1000 for each day of the Contract Period, and
	+ HE 1800 through HE 2300 for each day of the Contract Period.

If the offering entity is proposing to accelerate the date of an ESR’s Initial Synchronization, as described in section 2.2.1 of the RFP, the proposed standby price (see column (j) in table below) should include all non-fuel, non-capital costs expected to incur in expediting the Initial Synchronization of the ESR.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| (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[[6]](#footnote-7)**  |
|  |  |  |  | **Hour** | **Hour** | **MW** |
| **ESR Category 1** |  |  |  | 6 |  |  |
| **ESR Category 2** |  |  |  | 6 |  |  |
| **ESR Category 3** |  |  |  | 12 |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| (a) | (h) | (i) | (j = h \*(1.0 + i) / g) | (k = j / f) | (l = k \* g \* f) |
| **Category** | **Total Proposed Cost for Contract Period[[7]](#footnote-8)** | **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 Contract Period** |
|  | **$** |  | **$/MW** | **$/MW/Hour** | **$** |
| **ESR Category 1** |  |  |  |  |  |
| **ESR Category 2** |  |  |  |  |  |
| **ESR Category 3** |  |  |  |  |  |

**Section 4. Calculation of Various Parameters (for reference only)**

Standby Payment ($/hr) = [Total Proposed Cost for Contract Period / (Number Days Contracted \* 24)] \* (1+IF)

Charging Cost Reimbursement ($/hr)[[10]](#footnote-11) = Σ MEBL[[11]](#footnote-12) \* RTRMPRESR[[12]](#footnote-13) at the Resource Node

(This is the sum of the dollar amounts for each of the four 15-minute intervals in the hour.)

Note: For Settlement purposes the Standby payment will be allocated equally for each hour of the month of the Contract Period.

**Section 5. Additional Information (Optional)**

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

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1. Must be no earlier than December 1, 2023, and no later than January 9, 2024 [↑](#footnote-ref-2)
2. Hour Ending [↑](#footnote-ref-3)
3. Period beginning on the Contract Start Date and ending on the Contract End Date [↑](#footnote-ref-4)
4. Contract Start Date can be any time between December 1, 2023, and January 9, 2024 (inclusive) [↑](#footnote-ref-5)
5. Contract End Date is 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. The Contracted Capacity (MW) must be less than or equal to Net Maximum Sustainable Rating for 6 consecutive hours (Injection MW level). [↑](#footnote-ref-7)
7. Cannot include any capital expenditures [↑](#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. Based on Last-In, First-Out (LIFO) accounting for the cost of the energy as metered by the recording WSL meter [↑](#footnote-ref-11)
11. Metered Energy for Wholesale Storage Load at bus (for the 15-minute interval) [MWh per 15-minute interval] [↑](#footnote-ref-12)
12. Real-Time Price for the Energy Metered as Energy Storage Resource Load at bus (for the 15-minute interval) [$/MWh] [↑](#footnote-ref-13)