These are the current relevant X and Y values currently in place for Generation Resources.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Resource/Metric | Protocol § | X |  | Y |  |
| 1 | Base Point Deviation, Over-Generation | 6.6.5.1.1 | 5% | or | 5 MW | Whichever is greater |
| 2 | Base Point Deviation, Under-Generation | 6.6.5.1.2 | 5% | or | 5 MW | Whichever is greater |
| 3 | Base Point Deviation, Over-Generation, IRR | 6.6.5.2 | 10% |  | n/a | Only if curtailed by ERCOT |
| 4 | Base Point Deviation, Under-Generation, IRR | n/a | n/a |  | n/a |  |
| 5 | GREDP | 8.1.1.4.1 | 8% | or | 8 MW | Whichever is greater |
| 6 | GREDP, IRR | 8.1.1.4.1 | 10% |  | n/a | Only if curtailed by ERCOT |

1. Base Point Deviation Charge for Over Generation: charge to a QSE for a Generation Resource for over-generation if the telemetered generation exceeds the tolerances noted above.
2. Base Point Deviation Charge for Under Generation: charge to a QSE for a Generation Resource for under-generation if the telemetered generation is below the tolerances noted above.
3. IRR Generation Resource Base Point Deviation Charge: charge to a QSE for an IRR if the IRR telemetered generation is more than 10% above its Adjusted Aggregated Base Point and the flag signifying that the IRR has received a Base Point below the High Dispatch Limit (HDL) used by SCED has been received.
4. No penalty is assessed to a QSE for an IRR for under generation.
5. Generation Resource Energy Deployment Performance: score for each Generation Resource that is On-Line and released to SCED Base Point Dispatch Instructions. The GREDP is calculated for each five-minute clock interval as a percentage (noted above) and in MWs for all Resources based on Resource Status.
6. Generation Resource Energy Deployment Performance: score for each IRR that is On-Line and released to SCED Base Point Dispatch Instructions. § 8.1.1.4.1(8) states that an IRR must have a GREDP less than Z% or the Average Telemetered Generation (ATG) must be less than the expected MW output for 95% of the five-minute clock intervals in the month when the IRR received a Base Point Dispatch Instruction in which the Base Point was two MW or more below the IRR’s HSL used by SCED.

NOTES:

* Existing metrics for CLREDP in Section 8.1.1.4.1 are applicable to CLRs qualified for Regulation Service or RRS (ie, capable of primary frequency response).
* X and Y values for Base Point Deviation Charges are included in the Protocols
* X and Y values for GREDP and CLREDP (and Z value for IRR GREDP) are posted in a separate document on MIS Public: “Approved GREDP and CLREDP Performance Criteria Variables” (<https://mis.ercot.com/misdownload/servlets/mirDownload?mimicKey=&doclookupId=100651349>)

Please provide recommendations for the appropriate values of X and Y for the following, applicable to Controllable Load Resource participation in SCED and Non-spin:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Resource/Metric | Reference | X |  | Y |  |
| 7 | Base Point Deviation, Over-Consumption, CLR | NPRR555 § 6.6.5.1.1.3 | \_% | or | \_ MW | Whichever is greater |
| 8 | Base Point Deviation, Under-Consumption, CLR | NPRR555 § 6.6.5.1.1.4 | \_% | or | \_ MW | Whichever is greater |
| 9 | Base Point Deviation, Over-Consumption, CLR with AS Responsibility | NPRR555 § 6.6.5.1.1.3 | \_% | or | \_ MW | Whichever is greater |
| 10 | Base Point Deviation, Under-Consumption, CLR with AS Responsibility | NPRR555 § 6.6.5.1.1.4 | \_% | or | \_ MW | Whichever is greater |
| 11 | CLREDP | NPRR555 § 8.1.1.4.1(9) | \_% | or | \_ MW | Whichever is greater |
| 12 | CLREDP with AS Responsibility | NPRR555 § 8.1.1.4.1(9) | \_% | or | \_ MW | Whichever is greater |
| 13 | ALR Telemetry Validation, Monthly Net Power Flow vs. Meter Data | Draft OBD[[1]](#footnote-1) | \_% |  | \_% | X% of telemetry values within Y% of meter data |
| 14 | ALR Telemetry Validation, SPC+2 Qualification (for AS) | Draft OBD | \_% |  | \_% | X% of SPC+2 values within Y% of NPF values |
| 15 | ALR Telemetry Validation, Monthly SPC+2 vs. SPC (for AS) | Draft OBD | \_% |  | \_% | X% of SPC+2 values within Y% of SPC values |
| 16 | ALR Telemetry Validation during SCED Deployments | Draft OBD | n/a |  | \_% | Y% difference between ERCOT baseline and SPC/SPC+2 values |

NOTES:

* Current NPRR language proposes universal metrics for all CLRs regardless of whether there is an AS responsibility (see NPRR555 §§ 6.6.5.1.1.3 & 6.6.5.1.1.4).
* X and Y values applicable to SCED and Non-spin will be posted on MIS Public separately from existing GREDP/CLREDP document.

1. Draft Other Binding Document “Requirements for Aggregate Load Resource Participation in the ERCOT Markets,” Section 3. See: <http://www.ercot.com/calendar/2013/08/20130808-DSWG> [↑](#footnote-ref-1)