

Updates to Manual 21a: Required ELCC Data, ELCC Data Submission Process, Distinguishing Intermittent Hydro, Listing ELCC Classes

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February 4, 2021

- The deadline for ELCC data submissions for the 2023/24 BRA is Feb. 15, 2021, except that:
 - For resources with an Accredited UCAP derived from a resource-specific effective load carrying capability analysis based on the resource's unique parameters, this deadline is March 1, 2021.

- Providers of Pumped Storage Hydropower resources and Hydropower with Non-Pumped Storage resources must submit monthly average values for the ratio of the number of cubic feet of water required to produce a single MWh.
- Daily average minimum water flow (in cubic feet per second) for each day from June 1, 2012 through the most recent May 31.
- Monthly average values for the ratio of the number of cubic feet of water required to produce a single MWh.
- Documentation of method to calculate ordinary storage and exigent storage
- Black Start commitments in MW
- Other firm commitments in MW and MWh

- “The RAA provides that the term “Hydropower With Non-Pumped Storage” shall mean “a hydropower facility that can capture and store incoming stream flow, without use of pumps, in pondage or a reservoir, and the Generation Owner has the ability, within the constraints available in the applicable operating license, to exert material control over the quantity of stored water and output of the facility”.
- “A hydropower resource can exert material control over the quantity of stored water and over the output of the facility when it can consistently store at least than 10% of its ICAP for at least 4 hours. This criterion is demonstrated by evaluating the difference of the actual output during the 4 highest load hours of all summer afternoons of a year against the average actual output of all other hours on the same days, and comparing with the ICAP value. Such assessment and determination is once per five years.”

“The ELCC Classes consist of any of the below classes for which units are expected to participate in an applicable year:

- Tracking solar
- Fixed-tilt solar
- Onshore wind
- Offshore wind
- Landfill gas units that cannot run consistently at ICAP levels for 24 or more hours
- Intermittent run-of-river hydropower
- Hydropower With Non-Pumped Storage
- Energy Storage Resources of 4-hour, 6-hour, 8-hour, and 10-hour duration, or longer duration as required to secure a 100% ELCC Rating. Such classes include pumped storage hydropower.
- Generic limited duration resources of 4-hour, 6-hour, 8-hour, and 10-hour duration, or longer duration as required to secure a 100% ELCC Rating.
- Hybrids that are combinations of one of the above generation types plus an Energy Storage Resource of 4-hour, 6-hour, 8-hour, or 10-hour duration.
- Hybrids that are combinations of one of the above generation types plus generic limited duration resource of 4-hour, 6-hour, 8-hour, or 10-hour duration”.