



ELCC Calculator Roadmap

As of October 10, 2024

Action Required	Deadline	Who May Be Affected
Begin to register for tool access	September 20, 2024	ELCC External Users





2024 ELCC Calculator Roadmap

2024

Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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**ELCC
Calculator**

							Production Release	◆			
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Legend

- Start Date
- ◆ End Date

- Effective Load Carrying Capability (ELCC) analysis uses simulation to examine expected hourly load levels with expected hourly output of expected future resources to quantify the resource adequacy value of an ELCC Class (group of similar resources).
- In support of transparency around the new ELCC process, this project will create an external-facing version of this calculation.
- The intention is to allow members to perform their own ELCC Class calculations by having the ability to change the resource mix for a future delivery year.

- Operational Data
- Winter Storm Elliott Info
- Data Directory
- Interregional Data Map
- PJM Tools**
- PJM Security
- System Requirements
- Upcoming Changes
- ELCC Calculator
- Tools Information
- Account Manager
- Automated Combustion Turbine Notification Program

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ELCC Calculator

Effective Load Carrying Capability (ELCC) analysis uses simulation to examine expected hourly load levels with expected hourly output of expected future resources to quantify the resource adequacy value of an ELCC Class (group of similar resources). In support of transparency around the new ELCC process, this project will create an external-facing version of this calculation. The intention is to allow members to perform their own ELCC Class calculations by having the ability to change the resource mix for a future delivery year.

Production: [Sign In](#) | [Register](#)

New Role: ELCC Calculator Read/Write

Calculator

In support of transparency around the new Effective Load Carrying Capability (ELCC) calculation, in association with the PJM Capacity Market, this project will create an external facing version of this calculation. The intention is to allow members to perform their own calculations including having the ability to change some of the inputs and provide clarity on the inputs that cannot be changed.

Submissions are limited to one per user per day.

For more information, please reference the ELCC page on PJM.com. For additional questions, contact custsrvc@pjm.com.

Delivery year *

ELCC Class	Effective Nameplate	Installed Capacity
On-shore wind	Ex: 0-50,000 MW	2,405 MW
Off-shore wind	Ex: 0-30,000 MW	600 MW
Solar, fixed panel	Ex: 0-10,000 MW	1,469 MW
Solar, tracking panel	Ex: 0-80,000 MW	7,504 MW
Landfill gas, intermittent	Ex: 0-3,000 MW	125 MW
Hydro, intermittent	Ex: 0-5,000 MW	528 MW
Total storage	Ex: 0-56,000 MW	5,704 MW
4-hour storage	MW	5,704 MW
6-hour storage	MW	5,704 MW
8-hour storage	MW	5,704 MW
10-hour storage	MW	5,704 MW
Solar-storage hybrid	Ex: 0-26,000 MW	600 MW
Demand response	Ex: 1,000-30,000 MW	
Nuclear	Ex: 20,000-50,000 MW	
Coal	Ex: 0-40,000 MW	
Total gas combined cycle/dual fuel	Ex: 45,000-110,000 MW	
Gas combined cycle (single fuel)	MW	
Gas combined cycle (dual fuel)	MW	
Gas CT	MW	
Gas CT, dual fuel	MW	
Diesel		334 MW
Steam		9,856 MW
Hydro with non-pumped storage	1,959 MW	1,948 MW
Other		3,048 MW

Results may take a significant amount of time to be returned. You will be notified at the following email address once they are available.

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ELCC Calculation Submissions

Submit New Calculation

View	ELCC Run ID ↕	Timestamp ↕	Delivery Year ↕	Status ↕
	23	08/27/2024 10:35:00	2029	Pending
	20	08/24/2024 12:05:00	2028	Pending
	14	08/14/2024 09:52:00	2025	Complete

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ELCC Calculator



Member Hotline

(610) 666 – 8980

(866) 400 – 8980

custsvc@pjm.com

**PROTECT THE
POWER GRID**
**THINK BEFORE
YOU CLICK!**



Be alert to
malicious
phishing emails.

Report suspicious email activity to PJM.
(610) 666-2244 / it_ops_ctr_shift@pjm.com

