



ELCC Calculator Roadmap

As of September 17, 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
ELCC Calculator								Production Release	◆			

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
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- Interregional Data Map
- PJM Tools**
- PJM Security
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- ELCC Calculator
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- Account Manager
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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	<input type="text"/> Ex: 0-50,000 MW	2,405 MW
Off-shore wind	<input type="text"/> Ex: 0-30,000 MW	600 MW
Solar, fixed panel	<input type="text"/> Ex: 0-10,000 MW	1,469 MW
Solar, tracking panel	<input type="text"/> Ex: 0-80,000 MW	7,504 MW
Landfill gas, intermittent	<input type="text"/> Ex: 0-3,000 MW	125 MW
Hydro, intermittent	<input type="text"/> Ex: 0-5,000 MW	528 MW
Total storage	<input type="text"/> Ex: 0-56,000 MW	5,704 MW
4-hour storage	<input type="text"/> MW	5,704 MW
6-hour storage	<input type="text"/> MW	5,704 MW
8-hour storage	<input type="text"/> MW	5,704 MW
10-hour storage	<input type="text"/> MW	5,704 MW
Solar-storage hybrid	<input type="text"/> Ex: 0-26,000 MW	600 MW
Demand response	<input type="text"/> Ex: 1,000-30,000 MW	
Nuclear	<input type="text"/> Ex: 20,000-50,000 MW	
Coal	<input type="text"/> Ex: 0-40,000 MW	
Total gas combined cycle/dual fuel	<input type="text"/> Ex: 45,000-110,000 MW	
Gas combined cycle (single fuel)	<input type="text"/> MW	
Gas combined cycle (dual fuel)	<input type="text"/> MW	
Gas CT	<input type="text"/> MW	
Gas CT, dual fuel	<input type="text"/> MW	
Diesel	<input type="text"/>	334 MW
Steam	<input type="text"/>	9,856 MW
Hydro with non-pumped storage	<input type="text"/> 1,959 MW	1,948 MW
Other	<input type="text"/>	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

1-10 of 50 records << < 1 2 3 4 5 > >> 10 ▾

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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

