

ELCC Calculator Roadmap

As of October 10, 2024

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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							Produ	ction Releas	e 🔷			

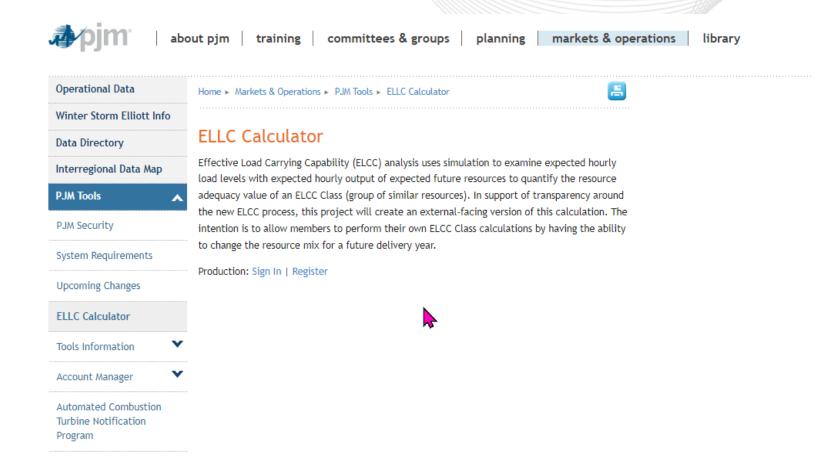




- Effective Load Carrying Capability (ELCC) analysis uses simulation to examine expected hourly load levels with expected hourly output of expected future resources to quantify the resource adequacy value of an ELCC Class (group of similar resources).
- In support of transparency around the new ELCC 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.



ELCC Calculator – PJM Tools



New Role:

ELCC Calculator Read/Write

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ELCC Calculator – Data Submittal

apim | ELCC Calculator

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 chance some of the injusts and provide clarity on the injust; that cannot be chansed.

Submissions are limited to one per user per day.

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

ELCC Class	Effective Namepla	ate	Installed Capacit	у
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 ①	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: 0-20,000	ww	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.

first.last@domain.com

Calculate Back

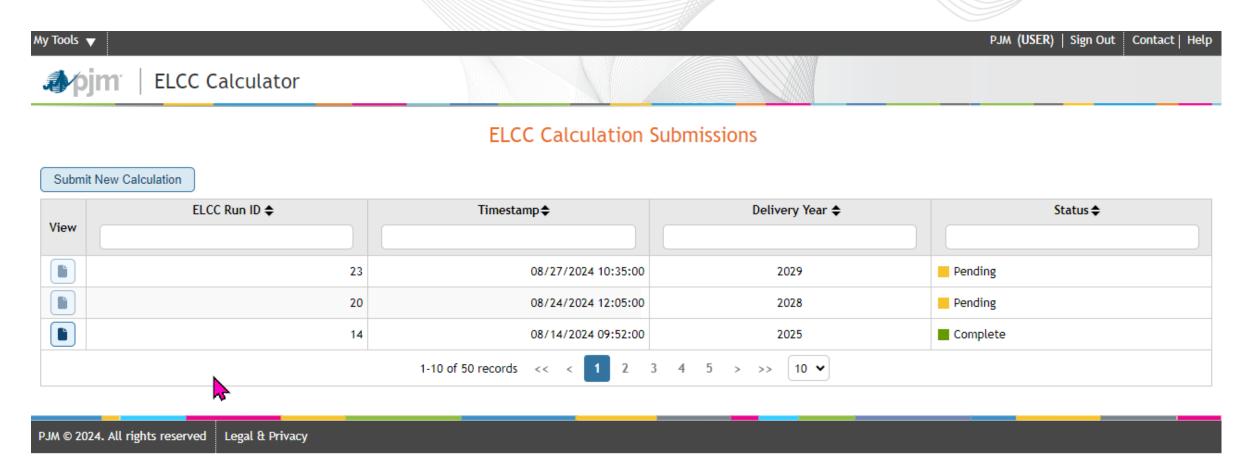
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ELCC Calculator - Submissions



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ELCC Calculator



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