

# PJM Capacity Performance Seasonal Preparation

CPower Panelists: Bill Oosterom, Donna Karas, Steve Fulcher



#### **Presenters**



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Management

CPower



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CPower

## Housekeeping Items

01 Webinar is in listen only mode

Use the Q&A (chat) panel to submit questions

This webinar is recorded

Find this webinar, deck and program info at: <a href="mailto:CPowerEnergy.com/Ready2024/">CPowerEnergy.com/Ready2024/</a>



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## Agenda Items

01	2024 market overview	04	Curtailment Plan Review
02	Program information review	05	Communications, alerts & notifications
03	Updating information	06	Recap & meet the team



## **Program Snapshots**

#### PJM Demand Response Programs

- Capacity Performance
- Economic Demand Response
- Synchronized Reserves
- Frequency Regulation

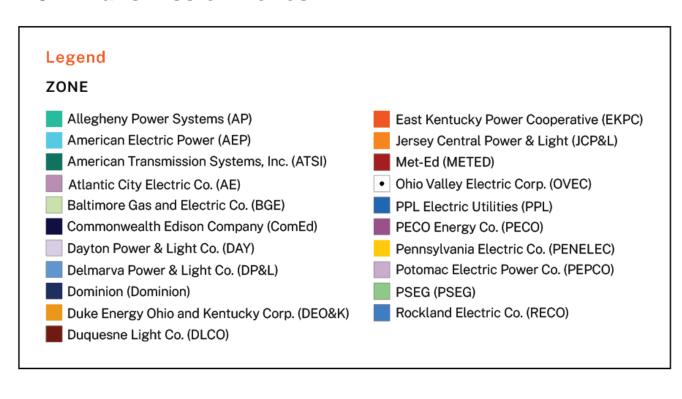


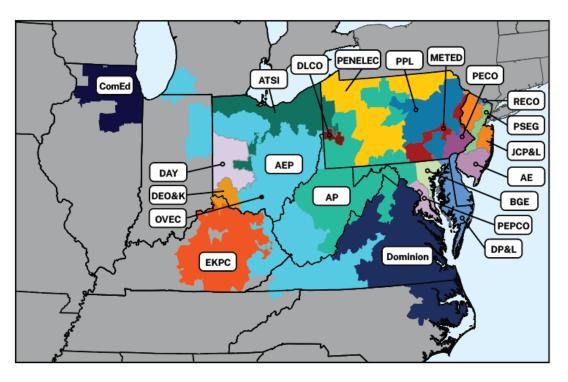
Program snapshots provide a quick review of program rules and participation parameters.



### **PJM Service Area**

#### **PJM Transmission Zones**







## 2024-2025 PJM Capacity Market Program

#### **Capacity Performance (Annual)**

- June through October and the following May
  - 7 days/week between the hours of 10:00 am – 10:00 pm
- November through April
  - 7 days/week between the hours of 6:00 am – 9:00 pm
- Unlimited # of Events
- 12-hour maximum duration in the summer &
   15-hour maximum duration in the winter

- Thirty (30) Minute Response (unless 1- or 2hour Exemption is granted)
- 100 kW minimum commitment
- Two (2) Hour Test Event minimum, if no actual PJM-initiated events are called
- Events outside of parameters above will be communicated, but are voluntary
- Revenue forfeiture for non-compliance capped at the annual projected revenue amount (i.e.; no "out of pocket" penalty)





## **Event History – Capacity Performance**

Historical Events for Capacity Performance (2013 – 2022)

Year	# of Events	Total Hours
2013	5	22
2014	0	0
2015	0	0
2016	0	0
2017	0	0
2018	0	0
2019*	1	2
2020	0	0
2021	0	0
2022*	5	18.75
2023	0	0
Average	1	3.89 hours per event

- 2019\*: 4 zones called (AEP, BGE, PEPCO, DOM)
   CP Mandatory, Base voluntary
- 2022\*: 2 winter events (all zones), 3 (AEP Marion)

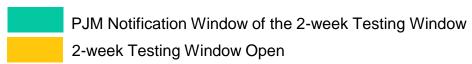


## Reminder: PJM Testing Change Reminder

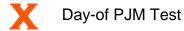
#### Testing Change Reminder:

- Tests will no longer be scheduled by CPower
- PJM will now provide a 2-week window for the test event but not the specific day
- A day-ahead notification will be provided by PJM within this window
- The day of the test event notifications will be according to your lead time (30, 60, or 120 minutes)
- CPower will communicate test window, the dayahead notice, and the day of notice through our dispatch system

Example Month						
Sun	Mon	Tues	Wed	Thur	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23 <b>X</b>	24 <b>X</b>	25	26	27
28	29	30	31			



Day-ahead PJM Notification of Test Day





## **Testing Zones**

#### **Dispatch email notice info:**

- 2 week window
- M F, excluding holidays and weekends
- Day-ahead and Day-of notice
- PJM Testing Schedule (Live Link)

#### **Anticipated Test Zone\*:**

- Summer Tested (June 2024 October 2024)
  - Zones: AEP, ATSI, BGE, DAY, DPL, PECO, Penelec, PPL, PSEG, RECO

- Winter Tested (November 2024 March 2025)
  - Zones: AECO, APS, ComEd, DEOK, DOM, DUQ, JCPL, MetEd, Pepco

\*based on test calls seen the last two years, CPower anticipates test calls to occur in these timeframes within these zones.



## **Review & Update Information**

Reviewing and updating your organization's contact information



- Responsible Parties for Notifications: Make sure all relevant contacts are up to date
  - Make sure to send the persons' names, email addresses and phone numbers
  - Any changes to former or added staff on your current notification group

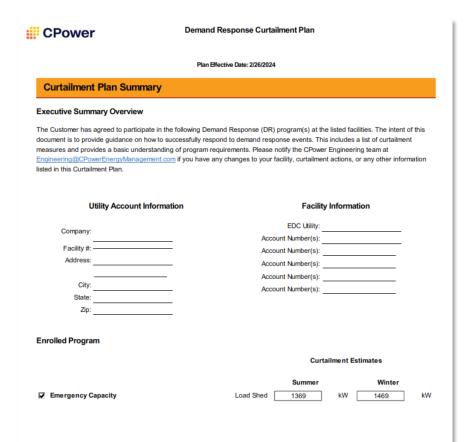


- Make Sure Responsible Parties Save CPower Dispatch Information
  - CPowerDispatch@mg.cpowerenergymanagement.com
  - Add the CPower Dispatch number to your cell phones "Demand Response Notification"
    - **410-346-5907**



- Review Your Plan:
  - Make sure your plan is accurate and align with your curtailment commitments and resources.

## **Curtailment Review**



#### **Check with your Account Manager to:**

X O X Curtailment Planning

- Ensure FSL/meter targets amounts are accurate
- Ensure contacts are up to dates

#### **Curtailment Plans:**

- Curtailment plans outline the various curtailment strategies that your facility may implement during a demand response event.
- Make sure the plan is still accurate and aligns with your curtailment commitments and resources.

#### **Distributed Energy Resources:**

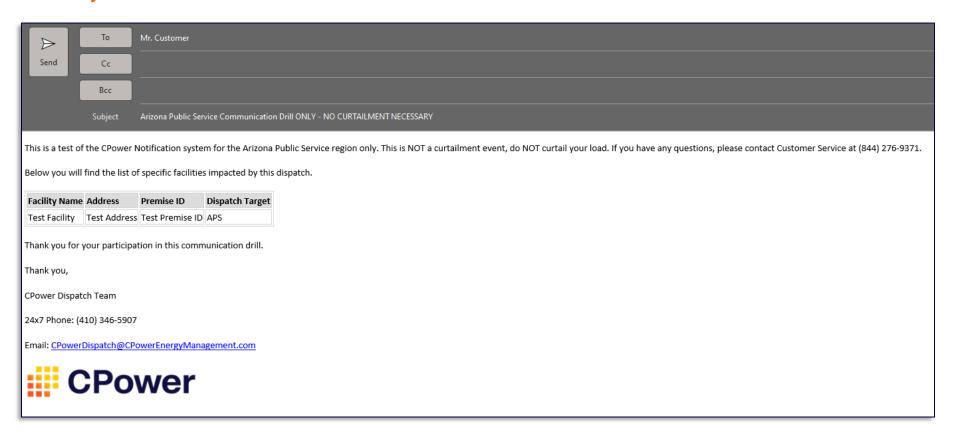
Let us know if you've added any DER assets to your facility –
i.e. Solar, battery, backup generation, etc.



## **Dispatch Notification**

#### **Communications Drill**

- Communication Drill: June 6, 2024 [2 PM ET, 1 PM CT]
  - This is only a test. DO NOT curtail.





## **CPower Dispatch Team**









#### **100% in house Dispatch Operations**

ensures accuracy and helps identify and resolve issues in real time so you can perform to your potential.







## **All Call System Functionality**

**Understanding The CPower Dispatch System** 

#### The All Call System utilizes:

- Phone
- Email
- Text Message
- Notifies all relevant contacts based on the program notification requirements

#### The All Call System will:

- Be activated by CPower Dispatch Operators
- For both comms test and events
- Send important preparation, start and completion notifications by utility, zone, or ISO.





## **All Call System Functionality**

**Understanding The CPower Dispatch System** 

- Phone Number for Events and Tests
  - 410-346-5907 (Save as CPower or Dispatch)
    - Also sends text message alerts
  - This is the direct line of our 24x7 dispatch service desk

- Emails for Events and Tests:
  - <u>cpowerdispatch@mg.cpowerenergymanagement.com</u>
  - Ensure this address is added to your safe sender list.



## All Call System Functionality

#### Phone and Email Messages



- Phone Call Message
  - Greeting and prompt to play message
  - The entire message must be heard before confirmation
  - Upon message completion, "did you understand?" will be asked
  - Press (1) for yes, (2) for no. (1) will end the notifications to that contact, (2) will repeat the message



- Email
  - An event email will be sent by the system (if you have email set up for notification)
  - There is no need to reply to the email



- Text/SMS (smartphones only)
  - An event notification text will be sent to your phone (if you have text notification set up)
  - You will reply, and type the word "yes" into the body of the text and send
  - We must receive TXT acknowledgments back within 2 hours of sending dispatch notices.
  - After that time, the system closes down, and we will not register an acknowledgement

## **CPower Portal**

#### **Real Time Data at Your Fingertips**

- CPower Portal provides real time:
  - Payments and Earnings
  - Energy usage
  - Load drop (with meter)
  - Test or PJM Initiated Event Performance (with meter)
  - SR Performance is now available

**Payments** 

2023\* \$0

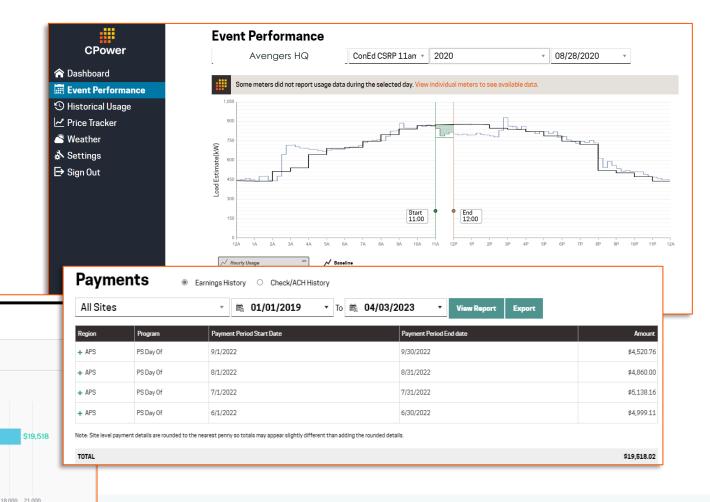
2021 \$0

2022

**Historical Earnings** 

PS Day Of

See Details





## Recap

#### Important things to remember

- Season begins June 1, 2024 (summer), November 1, 2024 (winter)
- Be sure to update contacts
- Respond to all test and communications drills
  - June 6, 2024, at 2 PM ET, 1 PM CT
- Make sure you have backup personnel in case of emergency, including holidays and PTO
- Ensure everyone reviews this training
- Review curtailment plan and/or curtailment strategy
- Make sure metering is operational and accurate



## **Additional Resources**

#### **One Stop Shop for Demand Side Energy Management**



Download white papers, webinars, blogs, case studies and more at <a href="CPower's online publication">CPower's online publication</a>, The Current



View this webinar and content as well as all other markets we serve on our Seasonal Readiness Portal



## **CPower's PJM Team**

#### **Your Local Team!**

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## Thank You!

**Questions & Answers** 

