



2024 New York (NYISO) Seasonal Preparation

CPower Panelists: Matthew McCue, David Chernis



Housekeeping Items

- 01 Webinar is in listen only mode
- 02 Use the Q&A panel to submit questions
- 03 This webinar is recorded
- 04 Find this webinar, deck and program info at: CPowerEnergy.com/Ready24/

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 |

Presenters



Matthew McCue

Account Executive
CPower



David Chernis

Sr. Account Executive
CPower

Program Snapshots

2024 NY Demand Response Programs

- Installed Capacity Special Case Resources (SCR-ICAP)
- ConEd Commercial System Relief Program (CSRP and Distributed Load Relief Program (DLRP)
- Upstate Utilities Commercial System Relief Program (CSRP) and Distribution Load Relief Program (DLRP)
- Demand Side Ancillary Services Program (DSASP)
- Term Dynamic Load Management (Term-DLM)

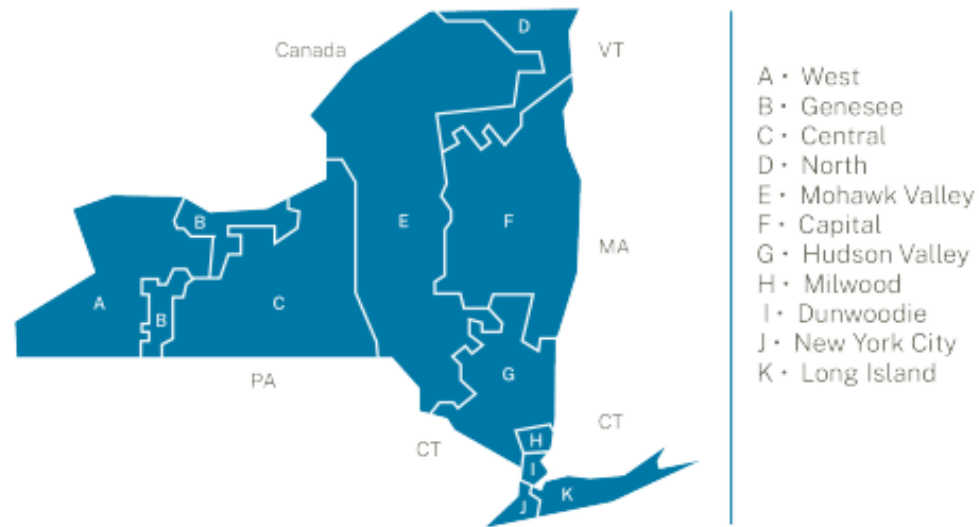


Program snapshots provide a quick review of program rules and participation parameters.



NYISO Service Area

NYISO Service Area and Zone Map



Program Overview - SCR

Program Rules and Parameters

MINIMUM SIZE	100 kw
PARTICIPATION	Customer has the option to enroll for Summer (May-Oct), Winter (Nov-Apr), or both
NUMBER & DURATION OF RESPONSE EVENTS	Participants agree to provide the load reduction for 4 hours. Events are typically called on working-days between 10AM -7PM. There is no limit to the number or start time of events.
NOTIFICATION	Day Ahead: Notification of possible event 21 hours prior to the start. Day Of: Up to 2 hours prior to the start of the event.
COMPENSATION	Monthly Capacity Payment (\$/kw-Month) + Event Energy Payment (\$/kWh)
CAPACITY PAYMENTS	Prompt Monthly Auction Clearing Prices
BASELINE (ACL)	Average Coincident Load (ACL): Average of the highest 20 one-hour peak loads of the SCR from the top 40 SCR load zone peak hours during the 11am-8pm time period of the prior equivalent capability period. It is used to determine capacity reduction/payments.
BASELINE (CBL)	Customer Baseline Load (CBL): Average of the usage of each hourly interval of the top 5 days out of last 10 eligible weekdays. It is used to determine energy reduction/payments.
SETTLEMENTS	Customers are paid seasonally their portion of the capacity or energy payments. Payments are issued 60 days after we have received payment from NYISO.
COMPLIANCE	Customers are required to curtail at least their committed load during events and test events.
CONSEQUENCES OF NON-PERFORMANCE	De-rating: Customer's committed load curtailment is based upon their reported average performance during curtailment events (including tests) in previous 12 months. Potential penalty up to 150% of Spot Auction price for deficient kW reduction.
TESTING	A mandatory 1-hour test event is called during each seasonal capability period.
ENROLLMENT DEADLINE	Sign-up at least 30 days prior to be enrolled for the following month.
METERING	Each account must have an hourly interval or utility AMI meter

Program Overview - SCR

Historical Events and Pricing (Average of prompt monthly auction clearing prices)

Historical Events 2019 - 2023

YEAR	EVENTS	ZONE										
		A	B	C	D	E	F	G	H	I	J	K
2019	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
2020	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
2021	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
	FREQUENCY	0	0	0	0	0	2	0	0	0	0	0
2022	TOTAL HRS.	0	0	0	0	0	13	0	0	0	0	0
	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
2023	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0

Pricing History 2019 – 2024 by zone

CAPABILITY PERIOD	NYC (\$/KW)	LHV (\$/KW)	ROS (\$/KW)	LI (\$/KW)
Summer 2019	\$13.50	\$5.05	\$1.41	\$5.71
Winter 2019-20	\$3.50	\$0.65	\$0.18	\$0.26
Summer 2020	\$18.90	\$2.83	\$2.83	\$5.26
Winter 2020-21	\$8.53	\$0.29	\$0.23	\$0.23
Summer 2021	\$5.29	\$5.03	\$5.00	\$8.43
Winter 2021-22	\$2.27	\$2.22	\$2.22	\$2.92
Summer 2022	\$3.73	\$3.56	\$3.15	\$5.89
Winter 2022-23	\$2.19	\$2.16	\$2.14	\$2.29
Summer 2023	\$19.02	\$5.95	\$5.85	\$6.42
Winter 2023-24	\$12.91	\$3.34	\$3.20	\$3.25

Program Overview – ConEd CSRP & DLRP

MINIMUM SIZE	CSRP and DLRP: 0.1 kw DLRP Only – **Beginning in 2021, separate weekday and weekend kW enrollments allowed. Weekend kW enrollment values must be at least 25% of weekday kW.
PARTICIPATION	Customer participates for summer season from May 1 through September 30
NUMBER & DURATION OF RESPONSE EVENTS	CSRP: Participants agree to provide the load reduction for a minimum of 4 hours. (Morning networks: 11AM-3PM; Day Networks: 2PM-6PM; Evening Networks: 4PM-8PM; Night Networks: 7PM-11PM) DLRP: Participants agree to provide the load reduction for a minimum of 4 hours. Customer can be called anytime from 6AM - 12AM
Dispatch Triggers	CSRP: 92% of day-ahead peak demand forecast compared to seasonal peak demand forecast. **Beginning in 2021, ConEd has the option to trigger mandatory events based upon a Temperature Variable of 84 degrees on a by-borough basis. DLRP: Triggered based upon Contingency or Immediate local distribution system issues that could result in a loss of service to 15k customers or a voltage reduction of 5% or more.
NOTIFICATION	CSRP: 21 hours advance notice and then up to 2 hours prior to the start of the event DLRP: Up to 2 hours prior to the start of the event for Contingency Events. No notice provided for Immediate Events called between 6PM-9PM (performance based upon best-performing hours before 12AM).
COMPENSATION	CSRP: Reservation (Capacity) Payments: \$6.00/kW-month (Staten Island & Westchester), \$18.00/kW-month (Bronx, Brooklyn, Manhattan, Queens). Energy Payments: \$1.00/kWh. Bonus Payments: Additional \$5.00/kW-month if five or more events are called DLRP: Reservation (Capacity) Payments: \$18.00/kW-month (Tier I) or \$25.00/kW-month (Tier II). Energy Payments: \$1.00/kWh. Bonus Payments: Additional \$5.00/kW-month if five or more events are called
BASELINE (CBL)	Customer Baseline Load (CBL): Average of the usage of each hourly interval of the top 5 days out of last 10 eligible weekdays.
SETTLEMENTS	Customers are paid seasonally their portion of the capacity or energy payments.
COMPLIANCE	Customers are required to curtail at least their committed load during events and test events.
CONSEQUENCES OF NON-PERFORMANCE	No penalty but de-rating applies for under-performance in DLRP tests or events with at least 2-hour notification. Performance of 25% or less of the enrolled amount will result in no payment.
TESTING	CSRP: A 1-hour test is called during each seasonal capability period if an event has not yet been called (notified similarly to an event). DLRP: A 2-hour test is called during each seasonal capability period if an event has not yet been called (notified similarly to a Contingency event).
ENROLLMENT DEADLINE	April 1st for May 1st start; May 1st for June 1st start. Accounts enrolled for May 1st may elect to reduce enrolled kW for June 1st if updated by May 1st.
METERING	Each account must have a 15-minute ConEd interval meter or AMI Smart Meter – provisional participation allowed if communications between utility and meter have not yet been established.

Program Overview – ConEd DLRP / CSRP

ConEd DLRP/CSRP Historical Events

Program	2019		2020		2021		2022		2023	
	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)
DLRP	2 to 5	8 to 24	0 to 13	0 to 52	0 to 8	0 to 31	0 to 12	0 to 61	0 to 13	0 to 65
(varies by zone)										
CSRP	2	8	0	0	4	16	6	32	2	8

ConEd Program Updates

Reminder: 2024 CSRP Program Changes

- Continuing from 2023, ConEd has designated specific networks that will have 6 hours event windows.
- Buildings with the 6-hour CSRP event will be measured on the best 4 contiguous hours of the 6-hour event. If the building chooses to perform for all 6 hours, it will make more money in Energy Payments
- Buildings with 6-hour CSRP Windows now have the benefit to start their Demand Response event curtailment an hour earlier or an hour later.

Reminder: 2024 DLRP Program Changes

- DLRP event window has move from 6:00am – 12:00am to 8:00am to 12:00am.

ConEd Networks with 6 Hour CSRP Windows

- | | |
|----------------------|-----------------------|
| 1. Fresh Kills | 9. Rockefeller Center |
| 2. Randall's Island | 10. Turtle Bay |
| 3. Greeley Square | 11. Pennsylvania |
| 4. Grand Central | 12. Freedom |
| 5. Beekman | 13. Times Square |
| 6. Herald Square | 14. Park Slope |
| 7. Bowling Green | 15. Fulton |
| 8. Battery Park City | |


Teir 2 DLRP Networks - \$25 per kW Month

- | | |
|--------------------|---------------------|
| 1. Central Bronx | 7. <u>Riverdale</u> |
| 2. Fordham | 8. Southeast Bronx |
| 3. Jackson Height | 9. West Bronx |
| 4. <u>Jamaica</u> | 10. Williamsburg |
| 5. Northeast Bronx | |
| 6. Ridgewood | |

Program Overview – CSRP / DLRP

National Grid, NYSEG, RG&E, Central Hudson, Orange & Rockland, PSEG-Long Island

Program Rules and Parameters



MINIMUM SIZE	50 kw
PARTICIPATION	Customer participates for summer season from May 1 through September 30, with exception of Central Hudson CSRP which runs June 1 through September 30.
NUMBER & DURATION OF RESPONSE EVENTS	CSRP: Participants agree to provide the load reduction for a minimum of 4 hours. Utilities may have different call windows. DLRP: Participants agree to provide the load reduction for a minimum of 4 hours. Customer can be called anytime from 6AM - 12AM
DISPATCH TRIGGERS	CSRP: Dispatched based upon a percentage of the forecasted system peak demand. National Grid, NYSEG, and Orange & Rockland dispatch at 92%, Central Hudson and RG&E dispatch at 97% of forecasted peak demand. PSEG-LI dispatches at 94% of peak demand DLRP: Program is dispatched to address distribution system contingency events
NOTIFICATION	CSRP: 21 hours advance notice and then up to 2 hours prior to the start of the event DLRP: Up to 2 hours prior to the start of the event
COMPENSATION	Program Capacity and energy payment incentives vary by distribution utility. See next page for pricing table.
BASELINE (CBL)	Customer Baseline Load (CBL): Average of the usage of each hourly interval of the top 5 days out of last 10 eligible weekdays. PSEG-LI has a 10-day average weather adjusted CBL for net-metered customers with storage and/or solar.
SETTLEMENTS	Customers are paid seasonally their portion of the capacity or energy payments.
COMPLIANCE	Customers are required to curtail at least their committed load during events and test events.
CONSEQUENCES OF NON-PERFORMANCE	DLRP & CSRP: No penalty but de-rating applies based upon performance in tests and events. NGRID, NYSEG, RG&E, and Orange and Rockland have a Minimum Performance Factor of greater than 25% required to receive monthly reservation payments.
TESTING	A 1-hour test is called during each seasonal capability period if an event has not yet been called (notified similarly to an event), except for Orange & Rockland DLRP that requires a 2-hour test.
ENROLLMENT DEADLINE	April 1st for May 1st start; May 1st for June 1st start
METERING	Each account must have an hourly utility interval meter or AMI Smart Meter – provisional participation allowed if communications between utility and meter have not yet been established.

Program Overview – CSRP / DLRP

National Grid, NYSEG, RG&E, Central Hudson, Orange & Rockland, PSEG-Long Island

Program Pricing and Event History

2024 Utility DLRP & CSRP Pricing

Summer 2024	NATIONAL GRID	NYSEG	RG&E	CENTRAL HUDSON	ORANGE & ROCKLAND	PSEG - LI
DLRP	N/A	N/A	N/A	N/A	TIER 1 - \$3.00 TIER 2 - \$5.00	\$3.00 Territory-wide \$4.50 on certain circuits
CSRP	\$2.75	\$4.10	\$4.25	\$1.23	\$3.00	\$5.00 Territory-wide \$7.50 on certain circuits

2019-2023 Utility DLRP & CSRP Events

Year	Program	National Grid		NYSEG		RG&E		Central Hudson		Orange & Rockland		PSEG Long-Island	
		# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)
2019	DLRP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	2	8
	CSRP	1	4	2	8	7	28	2	9	0	0	5	20
2020	DLRP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	1	4	8	32
	CSRP	3	12	2	8	6	24	0	0	1	4	8	32
2021	DLRP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	5	20
	CSRP	7	28	6	24	5	20	2	5	5	20	5	20
2022	DLRP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	6	24
	CSRP	7	28	7	28	3	12	0	0	1	4	6	24
2023	DLRP	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	0	0	1	4
	CSRP	6	24	3	12	0	0	0	0	0	0	5	20

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

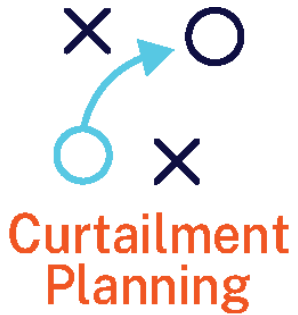


- **Responsible Parties for Notifications: Make sure all relevant contacts are up to date**
 - CPowerDispatch@mg.cpowerenergymanagement.com
 - Add the CPower Dispatch number to your cell phones – “Demand Response Notification”
 - 410-346-5907



- **Review Curtailment Plan:**
 - Make sure the plan is still accurate and aligns with your curtailment commitments and resources

Curtailment Plan Review



What to check:

- Ensure that you have a plan in place – either from CPower or through your organization
- Ensure that you have dispatch contact for all your facilities
- Have backup contacts to cover vacations
- Make sure all stakeholders know curtailment values and processes
- Know the program rules and participation criteria

Reach out to your account manager or customer service to update contacts before the start of the season

Curtailment Plan Review

Plan Effective Date: 5/25/2023

Curtailment Plan Summary

Executive Summary Overview

The Customer has agreed to participate in the following Demand Response (DR) program(s) at the listed facilities. The intent of this document is to provide guidance on how to successfully respond to demand response events. This includes a list of curtailment measures and provides a basic understanding of program requirements. Please notify the CPower Engineering team at Engineering@CPowerEnergyManagement.com if you have any changes to your facility, curtailment actions, or any other information listed in this Curtailment Plan.

Utility Account Information	Facility Information
Company: _____	EDC Utility: Consolidated Edison Company of New York
Facility #: 75 Rockefeller Plaza	Account Number(s): _____
Address: 75 Rockefeller Plaza	Account Number(s): _____
City: New York	Account Number(s): _____
State: NY	Account Number(s): _____
Zip: 10019	Account Number(s): _____

Enrolled Program

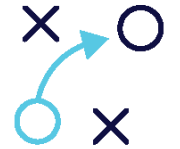
	Summer	Winter
<input type="checkbox"/> Peak Demand Management (PDM)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input type="checkbox"/> NYISO Demand-Side Ancillary Service Program (DSASP)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input type="checkbox"/> Targeted Demand Management (TDM)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input checked="" type="checkbox"/> Commercial System Relief Program (CSRP)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input checked="" type="checkbox"/> Distribution Load Relief Program (DLRP)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input checked="" type="checkbox"/> NYISO ICAP Special Case Resources (SCR)	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW
<input type="checkbox"/> Term DLM	Load Shed <input type="text" value="0"/> kW	Load Shed <input type="text" value="0"/> kW

Check with your account manager to:

- Ensure ACL/Bid amounts are accurate
- Ensure contacts are up to dates

Review Curtailment Plan:

- CPower 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.
- Let us know if you need to update an existing plan!




Curtailment
Planning

Dispatch Notification

Communications Drill

- Communication Drill: May 7th, 2024 [2 PM EDT]
 - This is only a test, DO NOT curtail


Send

ToMr. Customer

Cc

Bcc

SubjectNew York State Grid Operator Communication Drill ONLY - NO CURTAILMENT NECESSARY

This is a test of the CPower Notification system for the New York State Grid Operator region only. This is NOT a curtailment event, do NOT curtail your load. If you have any questions, please contact Customer Service at (844) 276-9371.

Below you will find the list of specific facilities impacted by this dispatch.

Facility Name	Address	Account Number	Dispatch Target
Test Facility	Test Address	Test Account	Test Target


Thank you for your participation in this communication drill.

Thank you,

CPower Dispatch Team

24x7 Phone: (410) 346-5907

Email: CPowerDispatch@CPowerEnergyManagement.com



CPower Dispatch Team



100% in house Dispatch Operations

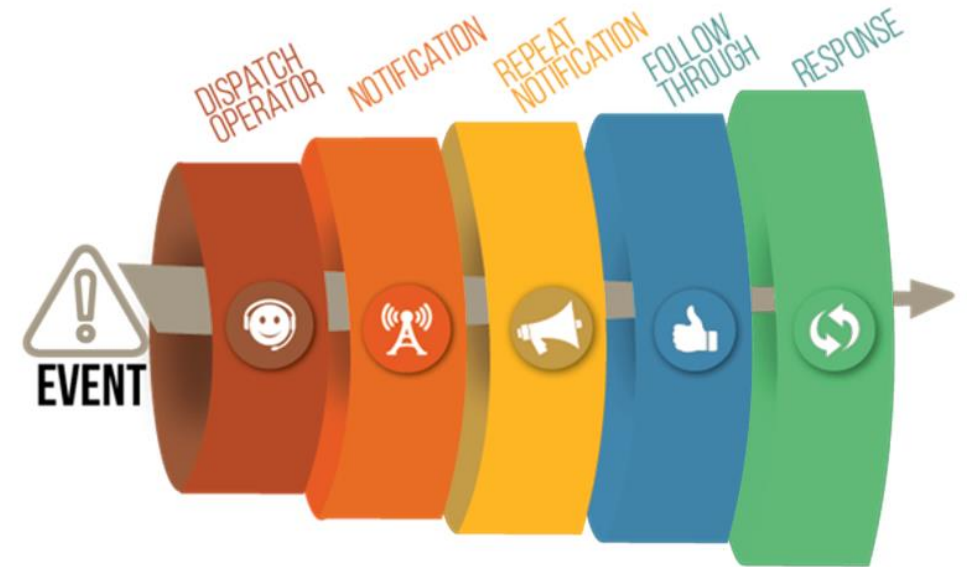
ensures accuracy and helps identify and resolve issues in real time so you can perform to your potential.



All Call System Functionality

Understanding The CPower Dispatch System

- **The All Call System utilizes:**
 - Phone
 - Email
 - Text Message
 - The System notifies all relevant contacts based on the program notification requirements
- **The All Call System will:**
 - Be activated by CPower Dispatch Operators
 - For both test and real 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
 - Also sends text message alerts
- This is the direct line of our 24x7 dispatch service desk

■ Email Address for Events and Tests

- Deploy test and dispatch emails from:
cpowerdispatch@mg.cpowerenergymanagement.com
- Ensure this address is added to 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)

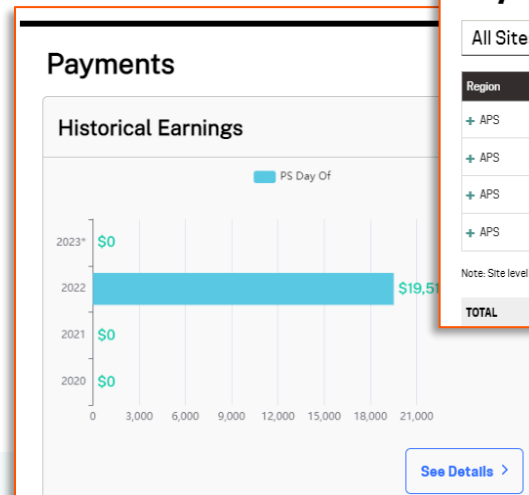
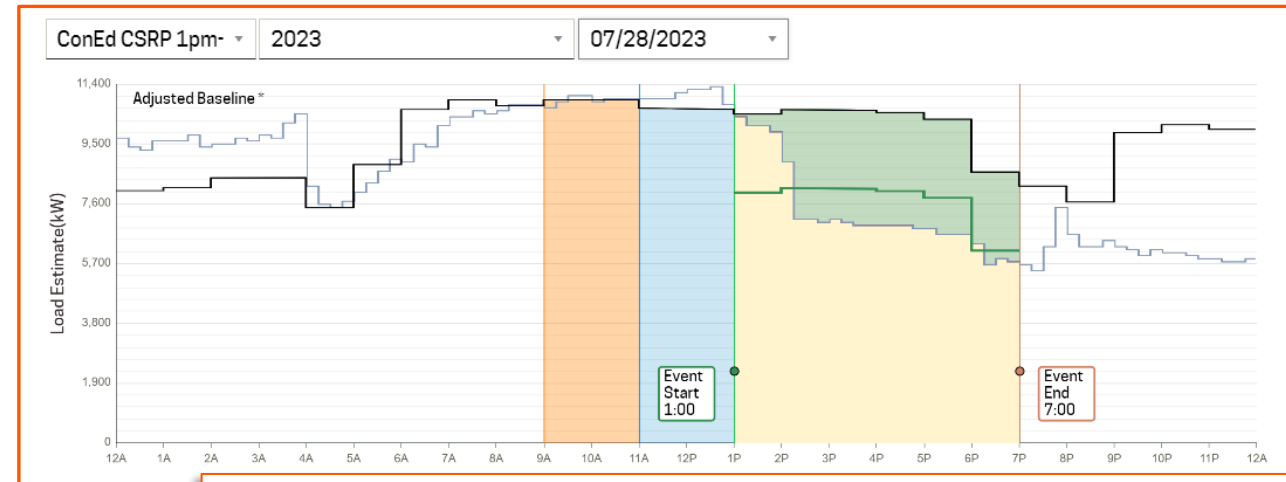
- An event notification text will be sent to your phone (if you have text notification set up)
- You will reply, and type the word “yes” into the body of the text and send
- We must receive TXT acknowledgments back within 2 hours of sending dispatch notices.
- After that time, the system closes down,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

CPower Portal

Real Time Data at Your Fingertips

- **CPower Portal provides real time:**
 - Payments
 - Energy usage
 - Load drop
 - Event performance – baseline indicator

CPower Portal Training Resources



Payments

☒ Earnings History ☐ Check/ACH History

All Sites

01/01/2019

To 04/03/2023

View Report

Export

Region	Program	Payment Period Start Date	Payment Period End date	Amount
+ APS	PS Day Of	9/1/2022	9/30/2022	\$4,520.76
+ APS	PS Day Of	8/1/2022	8/31/2022	\$4,860.00
+ APS	PS Day Of	7/1/2022	7/31/2022	\$5,138.16
+ APS	PS Day Of	6/1/2022	6/30/2022	\$4,999.11

Note: Site level payment details are rounded to the nearest penny so totals may appear slightly different than adding the rounded details.

TOTAL

\$19,518.02

Recap

Important things to remember

- Season Begins May 1, 2024, or June 1, 2024
- Be sure to update contacts
- Respond to all test and communications drill
 - May 7, 2024, at 2 PM ET
- Make sure you have back up personnel in case of emergency
- Ensure everyone reviews this training
- Review curtailment plan and/or curtailment strategy
- Make sure metering is up and running and accurate



Additional Resources

One Stop Shop for Demand Side Energy Management



Download white papers, webinars, blogs,
case studies and more at
[CPower's online publication,](#)
[The Current](#)



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

CPower's New York Team

Meet Your Local Team!



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Thank You!

Questions & Answers

