



NEW YORK DEMAND RESPONSE

Seasonal Readiness

We will begin shortly . . .





NEW YORK DEMAND RESPONSE

Seasonal Readiness

4/22/2021



HOUSEKEEPING ITEMS

- Webinar is in listen only mode
- Use the Q&A panel to submit questions
- Webinar will be recorded and available at:
CPowerEnergyManagement.com/Ready21



AGENDA ITEMS

- 2021 Market Overview
- Program Information Review
- Updating Information
- Curtailment Planning Review
- Communications Alerts and Notifications
 - All Call System
- Recap

PROGRAM INFORMATION

NY Demand Response Programs

Program Snapshots

- [Installed Capacity Special Case Resources \(SCR-ICAP\)](#)
- [ConEd Distribution Load Relief Program \(DLRP\)](#)
- [ConEd Commercial System Relief Program \(CSRP\)](#)
- [Upstate Utilities Distribution Load Relief Program \(DLRP\)](#)
- [Upstate Commercial System Relief Program \(CSRP\)](#)
- [National Grid, NYSEG, RG&E, Central Hudson, Orange & Rockland, PSEG-Long Island](#)



Program Snapshots provide a very quick review and reference of all of the New York demand response programs. Access any time and share.

PROGRAM PARAMETERS

Special Case Resource

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

EVENT HISTORY

Special Case Resource

YEAR	EVENTS	ZONE										
		A	B	C	D	E	F	G	H	I	J	K
2013	FREQUENCY	2	2	2	2	2	2	5	5	5	5	5
	TOTAL HRS.	10	10	10	10	10	10	22	22	22	22	22
2014	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
2015	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
2016	FREQUENCY	1	1	1	1	1	1	1	1	1	1	1
	TOTAL HRS.	5	5	5	5	5	5	5	5	5	5	5
2017	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
2018	FREQUENCY	0	0	0	0	0	0	0	0	0	3	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	17	0
2019	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
2020	FREQUENCY	0	0	0	0	0	0	0	0	0	0	0
	TOTAL HRS.	0	0	0	0	0	0	0	0	0	0	0
8-YEAR Summary	AVG FREQUENCY	0.5	0.5	0.5	0.5	0.5	0.5	1	1	1	1.5	1
	TOTAL HRS.	15	15	15	15	15	15	27	27	27	44	27

PROGRAM PARAMETERS

ConEd CSR/DLRP

MINIMUM SIZE	CSR/ 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	CSR/: 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	CSR/: 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	CSR/: 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	CSR/: Reservation (Capacity) Payments: \$6.00/kW-month (Staten Island & Westchester), \$18.00/kW-month (Bronx, Brooklyn, Manhattan, Queens). Energy Payments: \$1.00kWh. 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: \$1.00kWh. 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	CSR/: 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 – <i>provisional participation allowed if communications between utility and meter have not yet been established.</i>

EVENT HISTORY

ConEd CSRP/DLRP

Program	2012		2013		2014		2015		2016		2017		2018		2019		2020	
	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)	# Events	Duration (hrs)
DLRP (varies by zone)	0 to 3 (14 networks called)	0 to 20	0 to 2 (4 networks called)	0 to 12	0	0	0 to 3 (8 networks called)	0 to 18	0 to 6 (4 networks called)	0 to 36	0	0	0 to 2 (3 networks called)	0 to 12	2 to 5	8 to 24	0 to 13	0 to 52
CSRP	2	10	5	25	0	0	0	0	4	16	0	0	4	16	2	8	0	0

PROGRAM PARAMETERS

Upstate NY and Long Island (CSRP/DLRP)

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 – <i>provisional participation allowed if communications between utility and meter have not yet been established.</i>

EVENT HISTORY

Upstate and Long Island CSRP/DLRP

2021 UTILITY DLRP & CSRP PRICING

Summer 2018	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

2016-2020 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)
2016	DLRP	0	0	0	0	0	0	0	0	0	0	0	0
	CSRP	4	16	2	8	13	52	9	35	1	4	0	0
2017	DLRP	0	0	0	0	0	0	0	0	0	0	0	0
	CSRP	0	0	0	0	1	4	0	0	0	0	2	8
2018	DLRP	n/a	n/a	0	0	0	0	n/a	n/a	2	6	7	28
	CSRP	8	32	7	28	8	32	5	22	1	4	7	28
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	0	0	0	0	0	0	0	0	1	4	8	32
	CSRP	3	12	2	8	6	24	0	0	1	4	8	32

REVIEW & UPDATE INFORMATION

Reviewing and Updating Your Contact Information



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



- **Whitelist CPower email domains and add dispatch number:**
 - 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

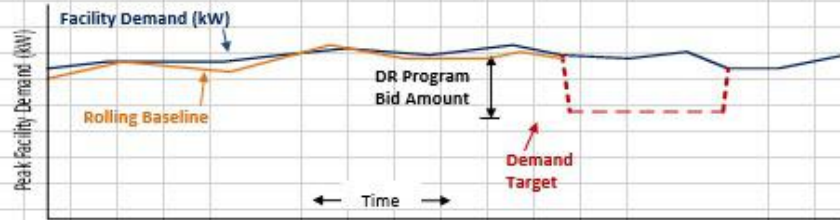
Sample Plan Review

Demand Response Curtailment Plan - ACME CUSTOMER

CA.Demand Response Curtailment Plan for CUSTOMER - 2017 SCE AMP Program

Page 1 of 2

Must drop facility peak demand (kW) to a specific level below a rolling baseline established during the previous days of operation.
This baseline will change on a continual basis and will not be known prior to the event.



What to check:

Ensure bid amounts are correct

Ensure contacts are correct

Ensure responsible parties are assigned (primary and backup)

Event Performance Measurement:

Bid Amount

Summer events: Reduce facility demand by kW from average demand prior to event

Winter events: Reduce facility demand by kW from average demand prior to event

Event Contacts:

The following facility contacts will be notified by E-mail and cell/office phone:

Name	Job Title	Work Phone	Cell Phone	E-Mail
CUSTOMER NAME 1	Operations Manager	888-888-8888		test@test.com
CUSTOMER Name 2	Operations Supervisor	777-777-7777		test@test.com

Responsible Person: Back-Up Person:

- Make sure all event responder communication links are on line and ready to receive event notifications.
- Make sure the persons assigned to execute the load curtailment actions know what they are required to do.
- Make sure all shifts know to maintain the load curtailment until the event is terminated by C Power Corp.

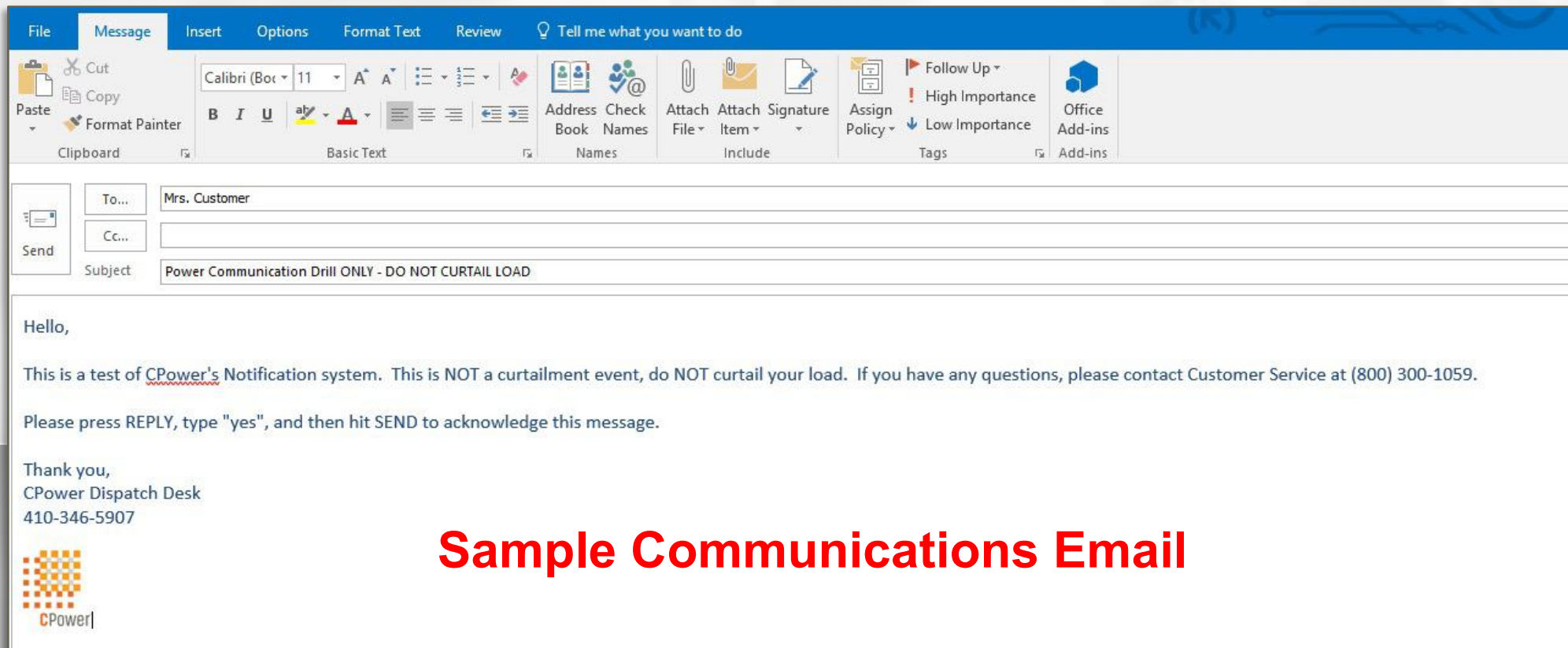
NOTE: Load curtailment steps should be completed 15 minutes before the announced start time of the event.

DISPATCH NOTIFICATIONS

Communications Drill

TEST: 5/6/21 1:00 PM EDT

- This is only a drill to test communications
- DO NOT Curtail



The screenshot shows an Outlook 'Message' window. The ribbon includes 'File', 'Message', 'Insert', 'Options', 'Format Text', and 'Review'. The ribbon is set to 'Message' and shows various options like 'Cut', 'Copy', 'Format Painter', 'Basic Text', 'Names', 'Include', 'Tags', and 'Office Add-ins'. The email content is as follows:

To... Mrs. Customer

Cc...


Subject Power Communication Drill ONLY - DO NOT CURTAIL LOAD

Hello,


This is a test of CPower's Notification system. This is NOT a curtailment event, do NOT curtail your load. If you have any questions, please contact Customer Service at (800) 300-1059.

Please press REPLY, type "yes", and then hit SEND to acknowledge this message.

Thank you,
CPower Dispatch Desk
410-346-5907

 CPower

Sample Communications Email

 CPower

CPOWER DISPATCH

24/7/365 At The Ready For You



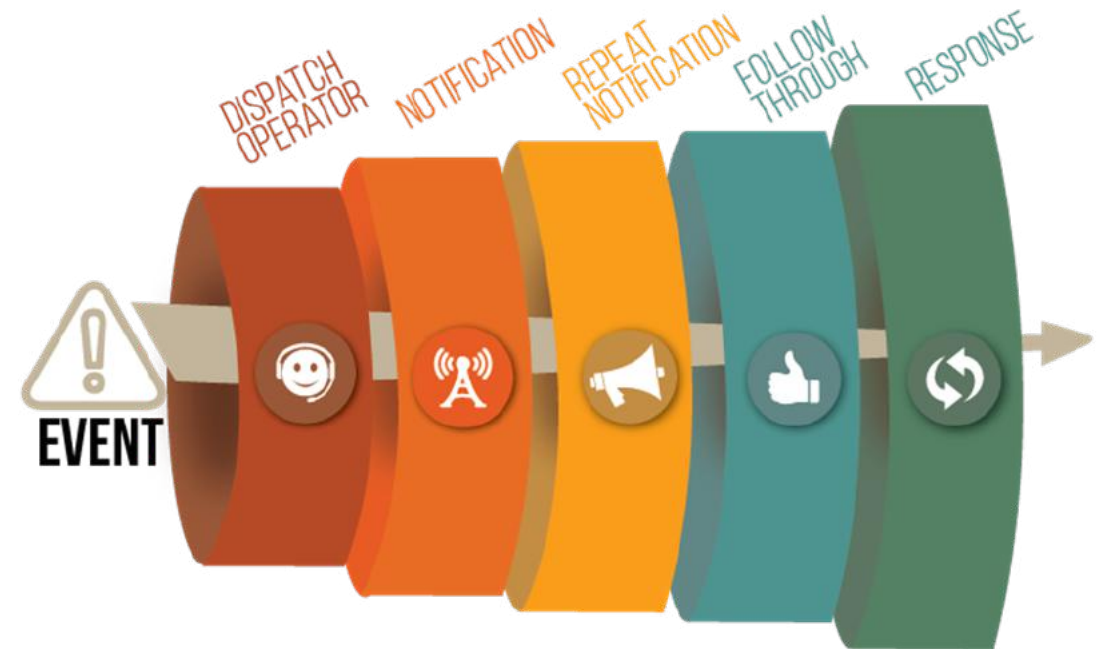
100% in house Dispatch Operations ensures accuracy and helps identify and resolve issues in real time so you can perform to your potential.



ALL CALL SYSTEM FUNCTIONALITY

Understanding The CPower Dispatch System

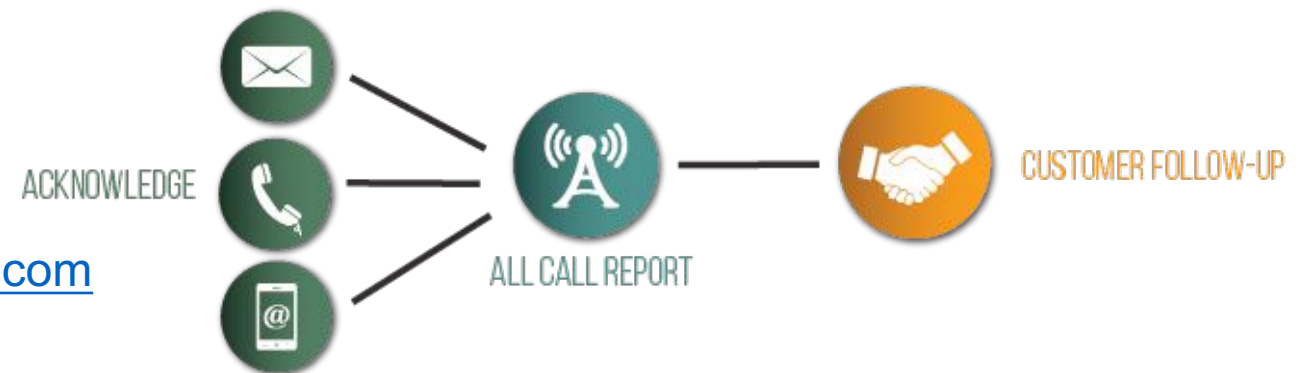
- **The All Call System Utilizes:**
 - Phone
 - Email
 - Text Message
 - The System notifies all relevant contacts based on the program notification requirements
- **The System will:**
 - Be activated by CPower Dispatch Operators
 - For both test and real events
 - Send important preparation, start and completion notifications by utility, zone, or ISO.



ALL CALL SYSTEM FUNCTIONALITY

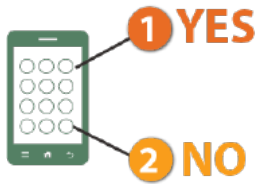
Understanding The CPower Dispatch System

- **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
- **System Sends Email Alerts From:**
 - cpowerdispatch@mg.cpowerenergymanagement.com
 - Ensure this address is whitelisted in your email system



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)
- When the email is received, hit reply and type “yes” in the body of the email to confirm understanding
- Send the email back to the dispatch operator email
- We must receive email acknowledgments back within 2 hours of sending dispatch notices.
- After that time the system closes down and we will not register an acknowledgement



Text

- 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

RECAP

Things to Remember

- Season Begins May 1, 2021 or June 1, 2021
- Be sure to update contacts
- Response to all test and communications drill
- May 6, 2021 at 1 PM
- 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

Your One Stop For Demand Side Energy Management



Learn the basics with CPower's [Demand Side Energy Management 101 Video Series](#)

THE **Current**

Stay ahead of the energy curve with CPower.

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



**SEASONAL
READINESS
2021**

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

CPOWER'S

New York Team



Pat McChesney	Vice President and General Manager, NY	Pat.McChesney@CPowerEnergyManagement.com	646-771-4593
Matthew McCue	Account Executive	matthew.mccue@cpowerenergymanagement.com	917-809-9932
David Chernis	Account Executive	David.Chernis@cpowerenergymanagement.com	646-779-1787
Mike Mindell	Account Executive - National	michael.mindell@cpowerenergymanagement.com	646-779-1785
Eric Read	Account Executive - National	eric.read@cpowerenergymanagement.com	571-335-4181
Nate Soles	Account Executive - National	nathaniel.soles@cpowerenergymanagement.com	617-784-3292
Aimee Riley	Account Manager - National	aimee.riley@cpowerenergymanagement.com	415-235-9835
Peter Dotson-Westphalen	Market Development	peter.d.westphalen@cpowerenergymanagement.com	781-214-7523
Arusyak Ghukasyan	Engineer	arusyak.ghukasyan@cpowerenergymanagement.com	646-779-1782
Jill Perry	Account Manager	jill.perry@cpowerenergymanagement.com	603-339-7605
Min Kim	ESP	Min.kim@CPowerEnergyManagement.com	410-734-5059



THANK YOU

Visit:

CPowerEnergyManagement.com/Snapshots for program participation snapshots

Or CPowerEnergyManagement.com/Ready21 for this training on demand

