



2020 Demand Response Forum

2/18/20

DR Forum Agenda

- Commercial Demand Response Programs
- Competitive Procurement Plan
- Rider R Participation
- Gas Demand Response Pilot
- Residential Demand Response Program (BYOT)
- Commercial & Industrial (C&I) Programs
- Advanced Metering Infrastructure (AMI) Project Update
- Green Button Connect
- Demand Response Management Systems



Commercial Demand Response Programs

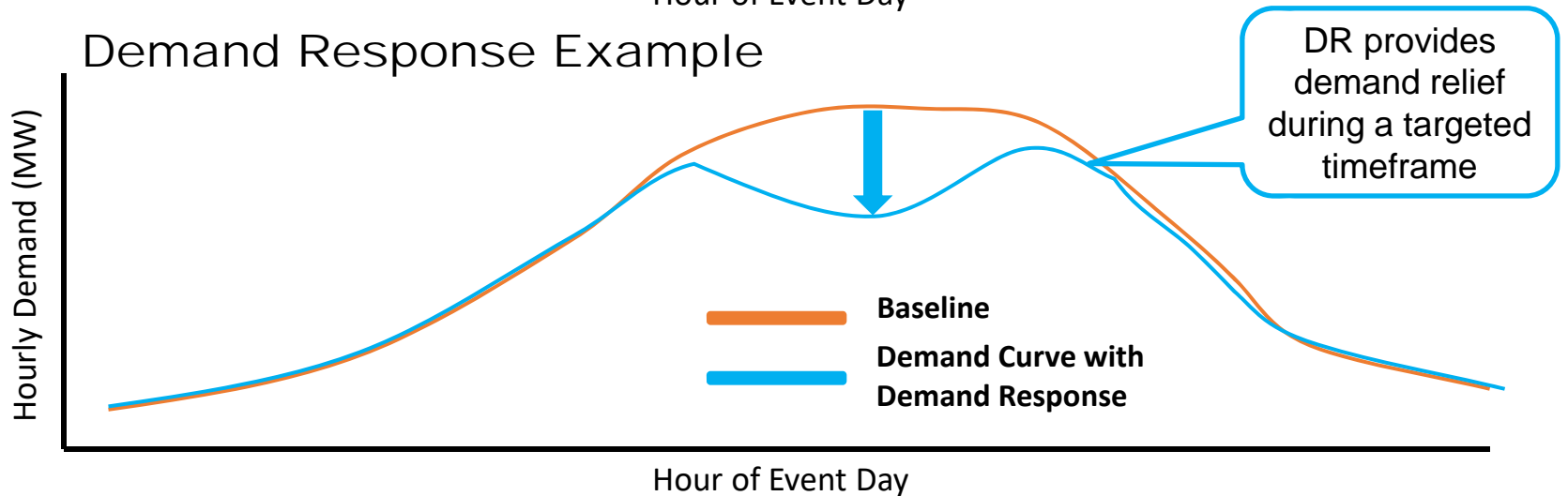
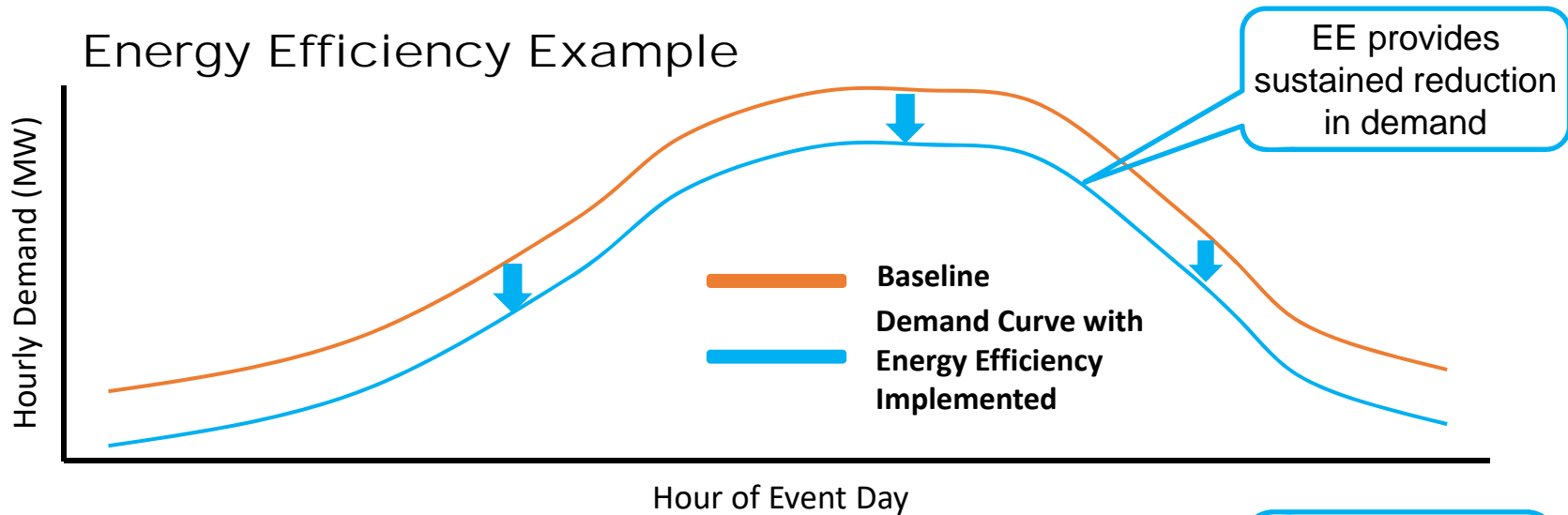
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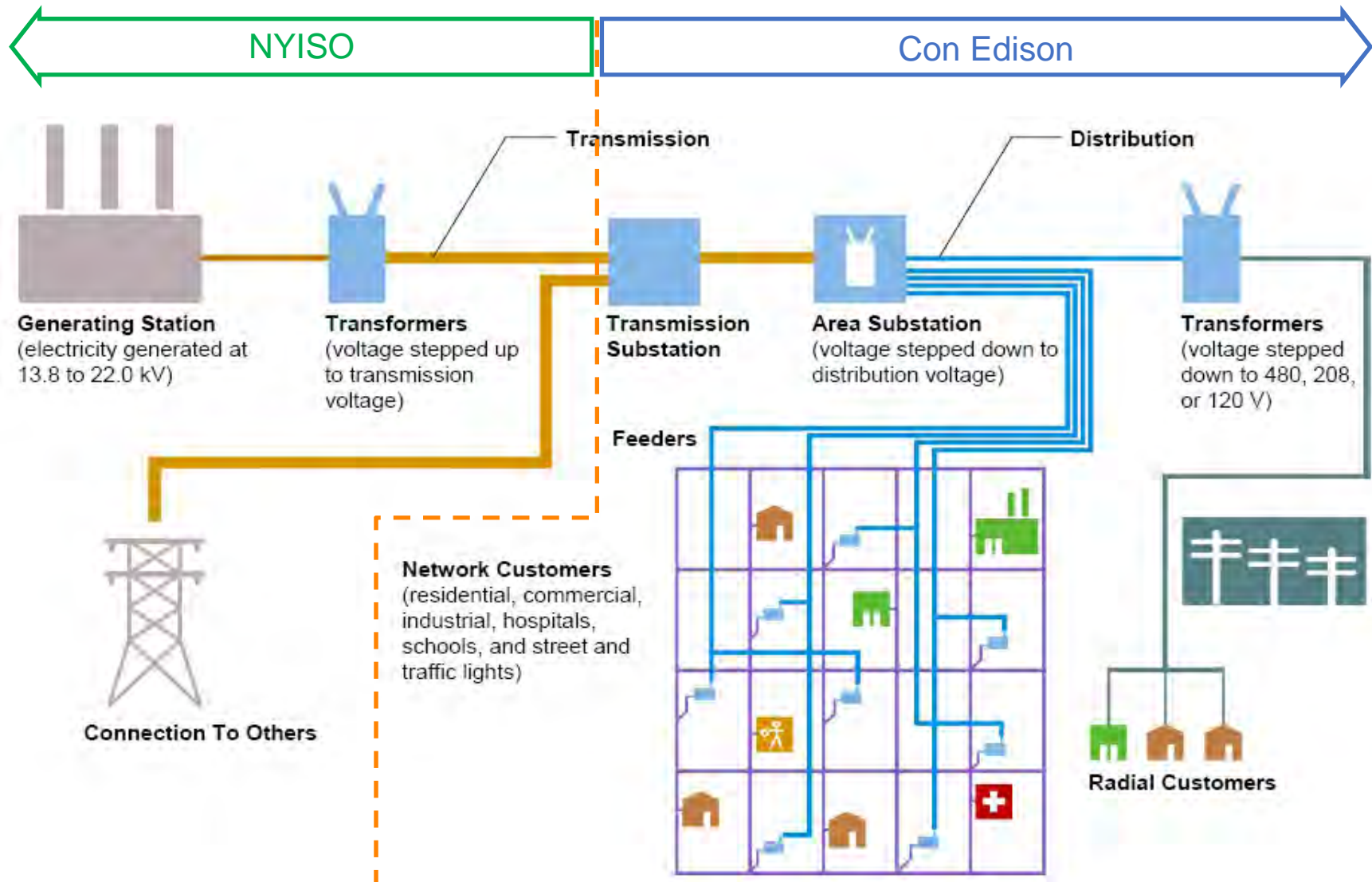
Agenda

- What is Demand Response?
- Overview of DR Programs
- Ways to Participate in DR
- Incentives and Expectations
- How to Enroll in DR

What is Demand Response?



Transmission (Wholesale) vs. Distribution



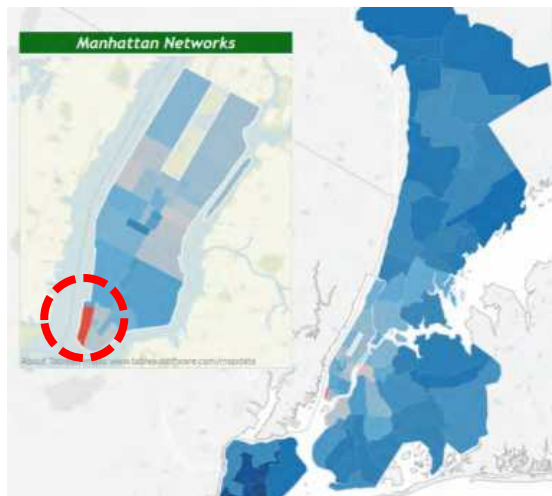
Wholesale vs. Distribution DR Programs

- Goal of **NYISO** Demand Response Programs
 - Resource adequacy
- Goals of **Con Edison** Demand Response Programs
 - 2-Hour Notification Program (DLRP - Distribution Load Relief Program)
 - Increase electric service reliability
 - 21-Hour Notification Program (CSRP - Commercial System Relief Program)
 - Peak shaving

Understanding Con Edison's DR Programs

DLRP: 2-Hour Notification Program

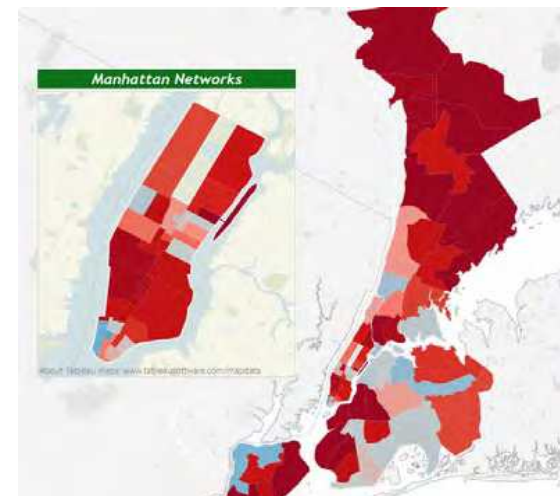
- Called on a network basis for an isolated need
- For example, image below shows localized stress in the Battery Park network



- DLRP could be called in Battery Park City to provide at least 4 hours of load relief
- Customers receive notification 2 hours in advance of a DLRP event

CSRP: 21-Hour Notification Program

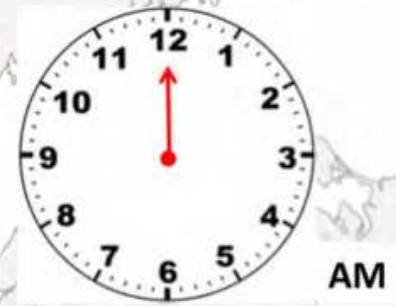
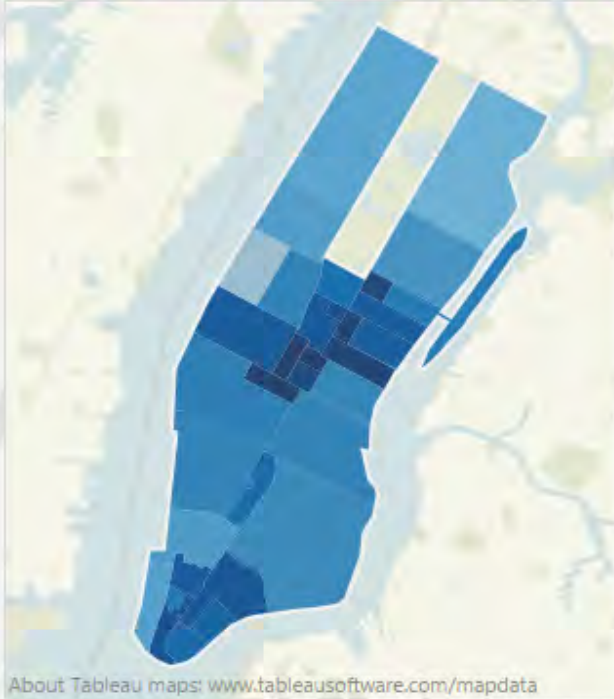
- Called in response to system-wide peak demand
- For example, image below shows networks peaking across New York



- CSRP customers called to provide 4 hours of load relief **depending on peak time of the local network**
- Customers receive notification at least 21 hours in advance of a CSRP event

Peak Day Loads by Network

Manhattan Networks



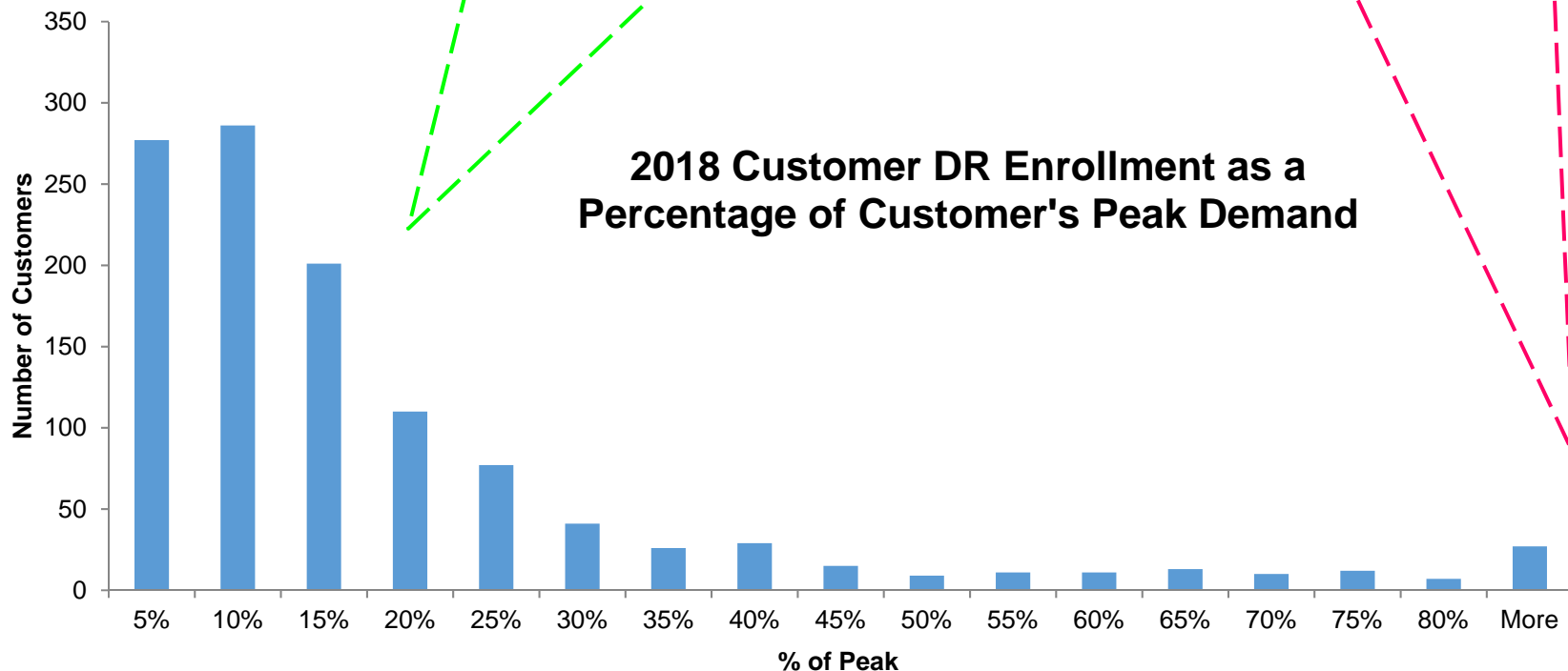
Why Should a Customer Enroll in DR?

- Potential source of revenue
- Incentivizes customers to better manage their electric demand
- Improves electric service reliability for the customer and neighborhood

How Much Load Do Customers Enroll?

Majority of customers enroll less than 20% of their highest summertime kW demand

Some customers enroll over 80% of their highest kW demand. These customers are often industrial facilities that temporarily shut down operations



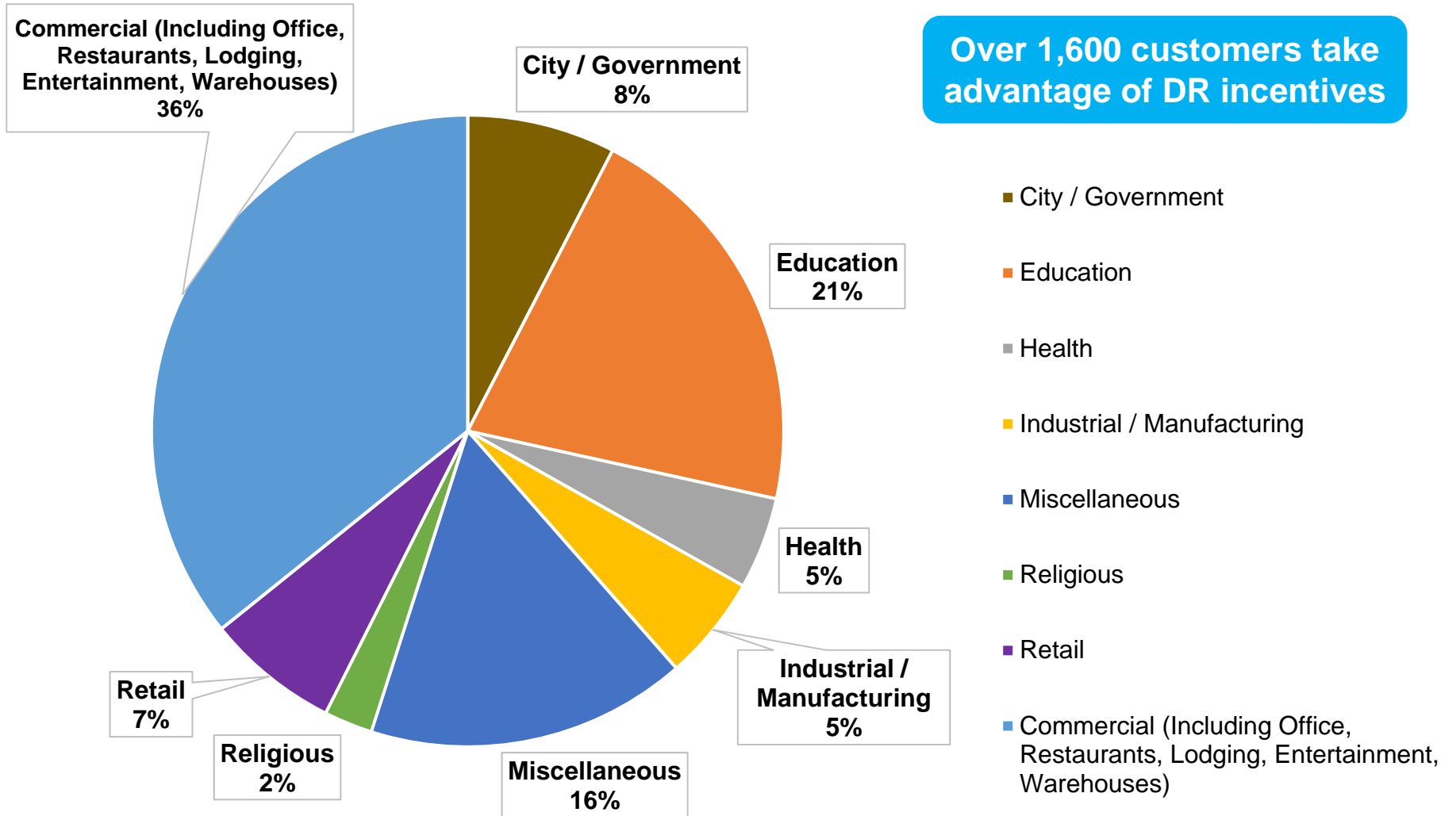
How Do Customers Provide Load Relief?

Curtailment and Generation

- Load Reduction
 - HVAC
 - Lighting
 - Unnecessary Equipment
 - Elevator Banks
 - Production Lines
- Distributed Generation
 - Gas-Fired
 - Diesel (conditional)
 - Batteries

Who is Enrolling in Demand Response?

Over 1,600 customers take advantage of DR incentives



DR Program Highlights

Program	CSRP	DLRP
Capability Period	May – September	May – September
Number of Test Events	1	1
Test Event Duration	1 hour	2 hours
Average Number of Actual Events	3	0
Event Duration	4 hours	4-6 hours
Total # of DR Event Hours	13	1

**Total Annual DR Commitment
~14 hours**

Incentive Rates

Reservation Payment

CSRP Reservation Rates (\$ / kW-month)	
All Other Regions	Westchester & SI
\$18	\$6

DLRP Reservation Rates (\$ / kW-month)	
Tier 1	Tier 2
\$18	\$25

Incentive Rates

Reservation Payment

CSRP Reservation Rates (\$ / kW-month)	
All Other Regions	Westchester & SI
\$18	\$6

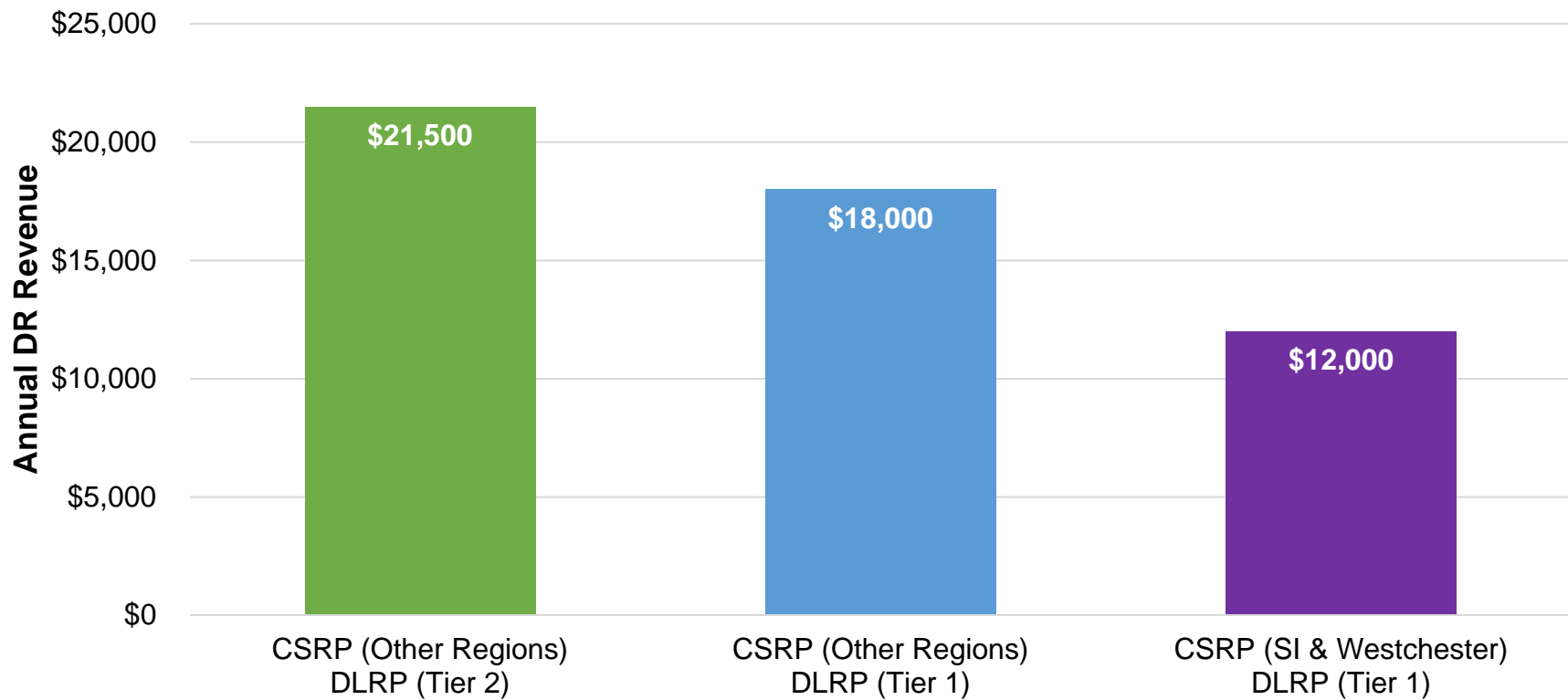
DLRP Reservation Rates (\$ / kW-month)	
Tier 1	Tier 2
\$18	\$25

- 100 kW pledge in Bowling Green (May – September)
- Reservation Payment
 - **CSRP:** $\$18/\text{kW} \times 100 \text{ kW} \times 5 \text{ months} = \$9,000$
 - **DLRP:** $\$18/\text{kW} \times 100 \text{ kW} \times 5 \text{ months} = \$9,000$
 - Assumes 100% performance in all events
 - Lower performance will reduce reservation payment accordingly

Incentive Rates

Reservation Payment

Reservation Payment Example 100 kW Enrolled in CSRP & DLRP 100% Performance



Incentive Rates

Performance Payment

Performance Rates (\$ / kWh)	
Reservation	Voluntary
\$1	\$3

- Performance Payment
 - 1 event (4-hour duration)
 - Assumes 100% performance
 - $100 \text{ kW} \times 4 \text{ hours} \times \$1/\text{kWh} = \$400$
- Lower event performance will reduce reservation payments

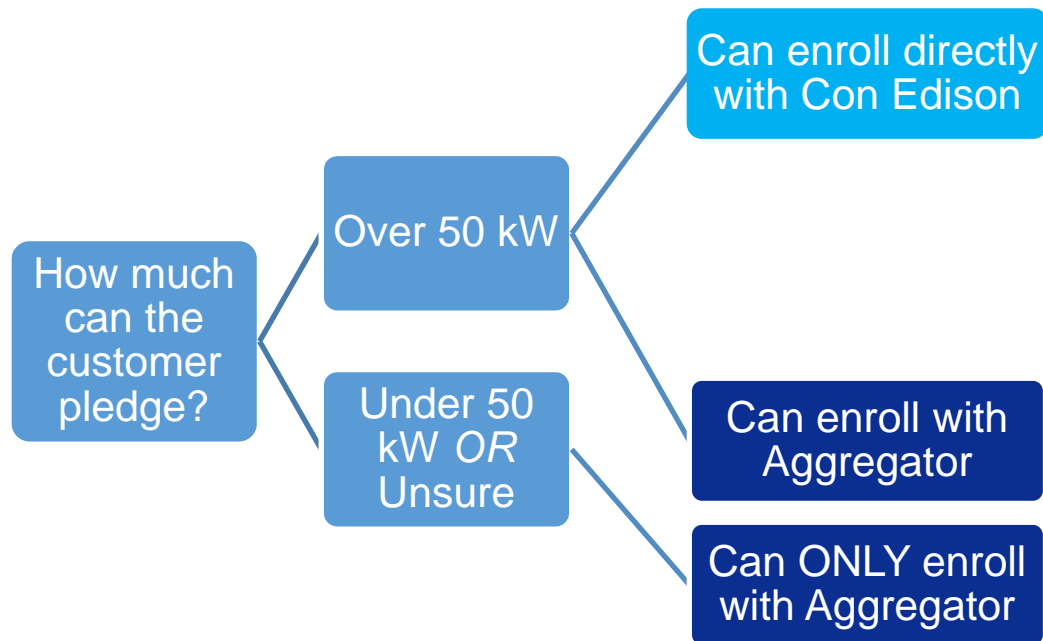
Eligibility Requirements

Metering

- Customer must have an interval meter or an AMI meter
 - All customers will have AMI by 2023
 - See the [Con Edison Smart Meter website](#) for more details
- Customers >500 kW Demand
 - Con Edison may provide an interval meter at no cost
- Customers <500 kW Demand
 - The customer is responsible for interval meter costs

Eligibility Requirements

Load Relief Pledge



Enrolling Directly with Con Edison

- Receive full DR incentives
- Better for customers more experienced with DR

Enrolling with an Aggregator

- Can help customers develop tailored DR strategies
- Often bundle DR with other energy services
- Can enroll customers in NYISO DR programs
- Contract with customers for a portion of incentives

Enrollment Timeline

- Enrollment Deadline
 - All enrollments must be submitted by application deadline
 - Interval meters be installed by application deadline
 - Interval meters must be communicating by program start date
- Enrollments available in early March 2020 via DR Portal

Enrollment Deadline	Program Start Date
April 1, 2020	May 2020
May 1, 2020	June 2020

Summary

- Demand response is a temporary reduction in energy demand upon request
- Distribution Load Relief Program (DLRP)
 - Network grid reliability, 2-hour notification
- Commercial System Relief Program (CSRP)
 - Peak system load shaving, 21-hour notification
- Participate in both programs for maximum revenue
- Companies exist (aggregators) to help you enroll and perform
 - Get the list of approved aggregators at www.coned.com/DR

Competitive Procurement Plan

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12.13.2018 Energy Storage Order

3-5 year competitive procurement with penalties

- Continue to operate a tariff program
- Offered at a premium or discount as appropriate based on most recent load forecasting
- Penalties for non participation

Establish auto-DLM resource category

- Require higher performance factors
- Require stringent availability

Orderly transition from Tier 2 to NWS

Energy Storage Order p. 30 - 36

Stakeholder Engagement

- 9.11.2019 & 11.7.2019 Stakeholder Session
- Feedback:
 - Auto-DLM
 - Communication through aggregators
 - Respond to DLRP like events, within 10 minutes
 - Practical and financial considerations
 - Procurements should be 18 months ahead of participation
 - Enabling auto-DLM and energy storage will result in upfront costs
 - The price certainty will ultimately bring down financing costs
 - More stringent requirements
 - Require meaningful financial assurance tied to performance
 - Penalties for failing to deliver

Two New Similar Programs

		Day-Ahead-DLM	Auto-DLM
Dispatch Criteria	Mandatory	21 Hours Notice + 88% forecast <u>or</u> DLRP Criteria	Day-Ahead-DLM calls and/or 10 Minutes Notice + 88% forecast <u>or</u> DLRP Criteria
Incentive	Reservation (kW)	Rate per kW per year based on RFP response	Rate per kW per year based on RFP response
	Performance (kWh)	N/A	N/A
Tiers	High	Identified in RFP	Identified in RFP
	Low		
Test Event		21 hours notice for 4 hours	10 minutes notice for 4 hours
Penalty		PF < 80% declines at 2% per % below 80%	PF < 80% declines at 2% per % below 80%

Deviations meant to provide reasonable flexibility and reflect commitment level

- Incentive set via RFP vs Tariff
- Call windows more flexible
- Day-Ahead dispatch option at lower threshold plus option to call with for contingencies
- Auto-DLM dispatched via automated dispatch signal
- 70% of contract paid after successful first year
- Financial assurance required

Timeline

	Action	2021 Procurement	2022 Procurement
1	Release RFP	October 2020	October 2020
2	Aggregators submit clarification questions	October 2020	October 2020
3	The Companies responds to clarification questions	October 2020	October 2020
4	Deadline for Aggregator enablement in the Company's Oracle system	October 2020	October 2020
5	RFP response deadline	November 2020	November 2020
6	RFP award/notification	November 2020	November 2020
7	Contract execution date	January 2021	January 2021
8	Security requirement due for awarded Aggregations	February 2021	February 2021
9	Deficiency notification	N/A	December 2021
10	Early Exit Fee payment due	N/A	January 2022
11	Enrollment deadline	April 2021	April 2022
12	Capability Period start	May 2021	May 2022

Rider R Participation

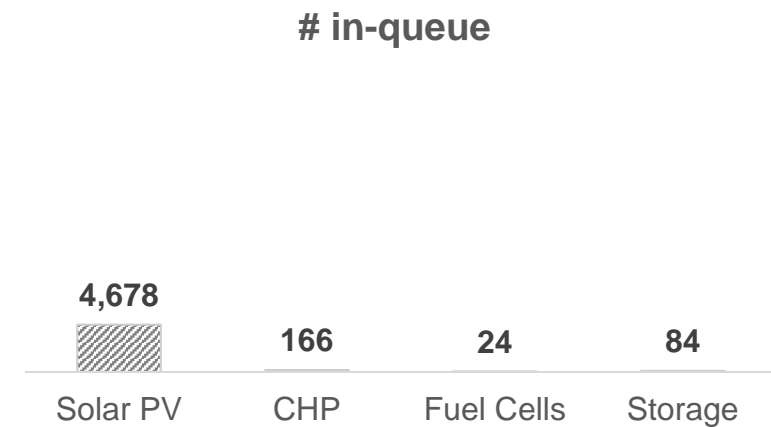
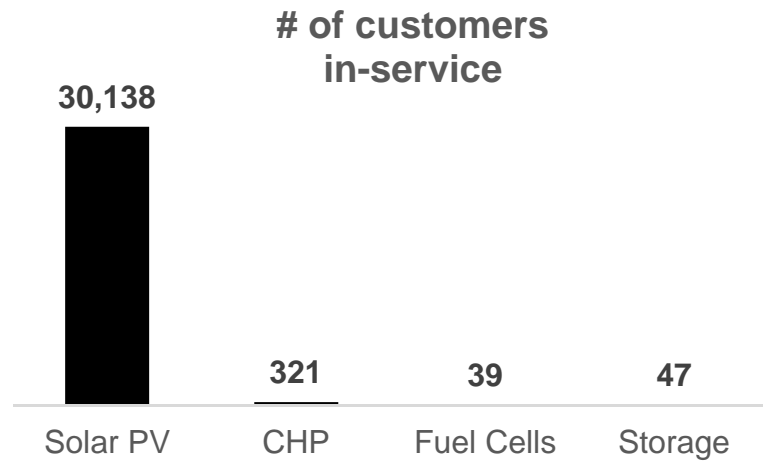
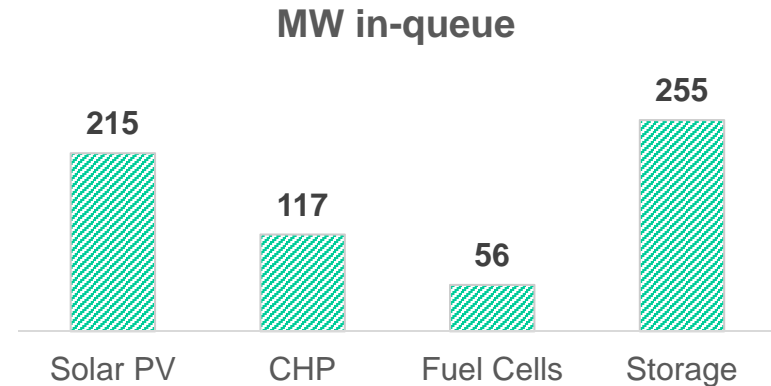
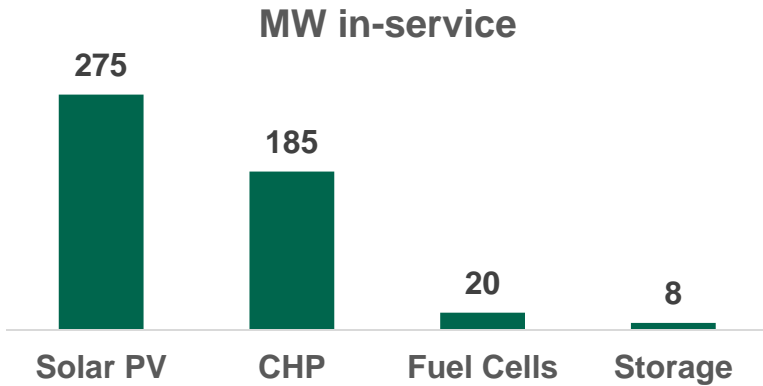
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Rider R topics

- Distributed Energy Resources (DER) at Con Edison
- Business models for DER
- Value of DER rates (VDER)
- The Value Stack
- Dual participation with Demand Response

DER at Con Edison



As of 12/31/19; CHP is not eligible for Rider R

Business models for DER

Mass Market



- For Residential (SC1) or Small Commercial (SC2) customers
- non-Demand billed Service Classes

Net Metering up to kW limit
Or Value Stack up to 5 MW

Large Onsite



- For Large Commercial customers, including all demand-billed Service Classifications
- Credits apply to the Host Account's Electric charges

Net Metering up to 750 kW
Or Value Stack up to 5 MW

Remote (RNM)



- Credits apply to the Host Account's Electric charges
- Excess also applied to any number of "Satellite" Accounts
- Satellites must all be same entity as the Host

Value Stack up to 5 MW

Community (CDG)

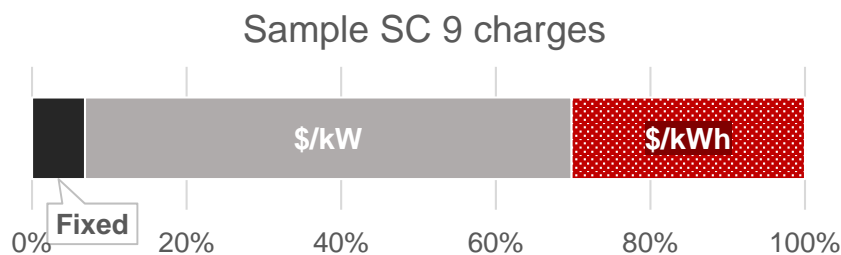


- Credits apply to Subscriber Accounts
- Minimum of 10 subscribers per Host; unless Host & all subscribers are on the same parcel
- No more than 40% of allocation to large accounts

Value of DER crediting (VDER)

Net Metering

- Volumetric bill credit equivalent to host \$/kWh rates
- Primarily reduces \$/kWh charges
- Excess credit carries over as a kWh credit to offset future kWh consumption

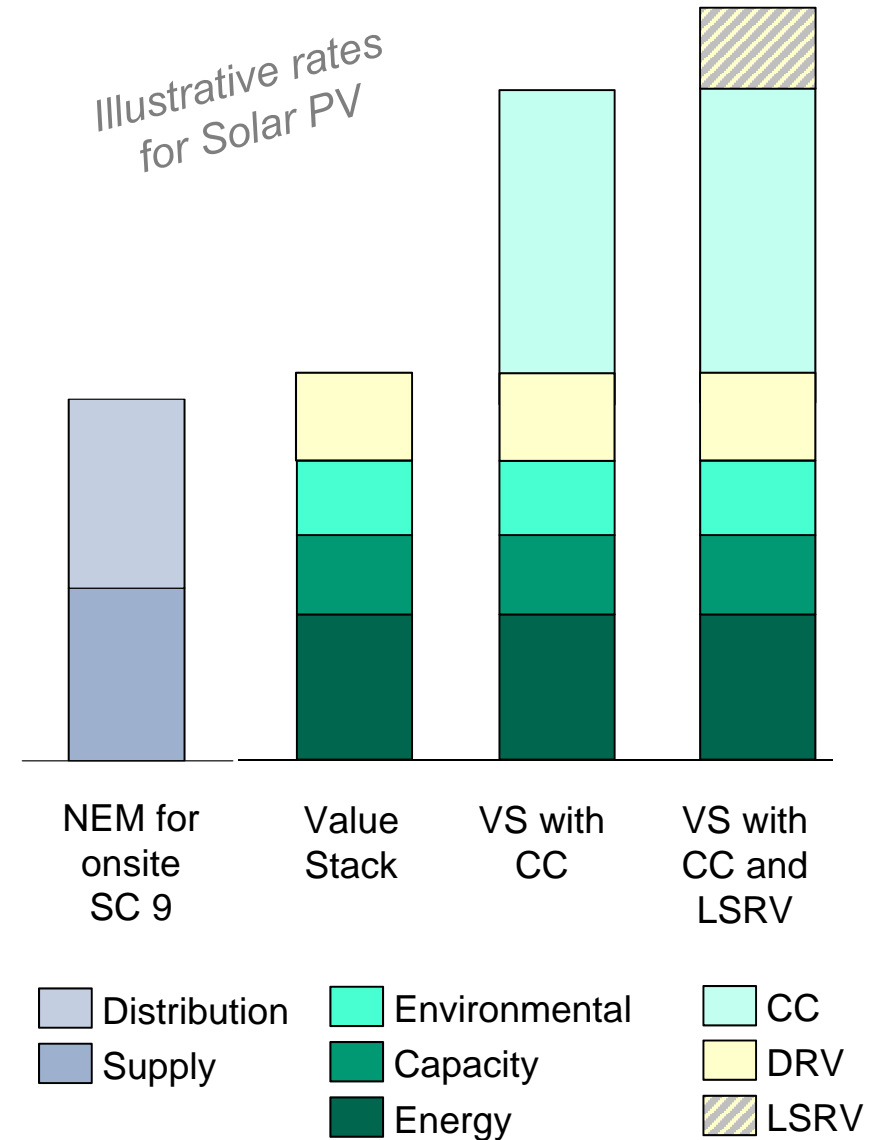


The Value Stack

- Monetary bill credit based on avoided costs & other incentives
- Usage behind the meter reduces \$/kWh charges
- Excess credit carries over as a monetary value which offsets future Electric charges
- Grid export is valued and offsets all Electric charges
- Electric Energy Storage (e.g., batteries) eligible for Value Stack
- Available for NYPA customers

The Value Stack

Component	Description
Energy	<ul style="list-style-type: none"> Day Ahead Hourly LBMP
Installed Capacity	<ul style="list-style-type: none"> Avoided NYISO ICAP May be credited per kWh or kW depending on generator type
Environmental	<ul style="list-style-type: none"> NYSERDA REC or social cost of carbon
Distribution Relief Value (DRV)	<ul style="list-style-type: none"> Utility's avoided distribution costs Credited weekdays June 24 – Sept 15 during project's CSRP call window hours
Locational System Relief Value (LSRV)	<ul style="list-style-type: none"> Additional incentive in high load growth areas Resources will be called 10x per summer, min. performance during call event determines credit
Community Credit (CC)	<ul style="list-style-type: none"> Additional credit for Community DG business model Available for certain technologies



Value Stack and DR dual participation

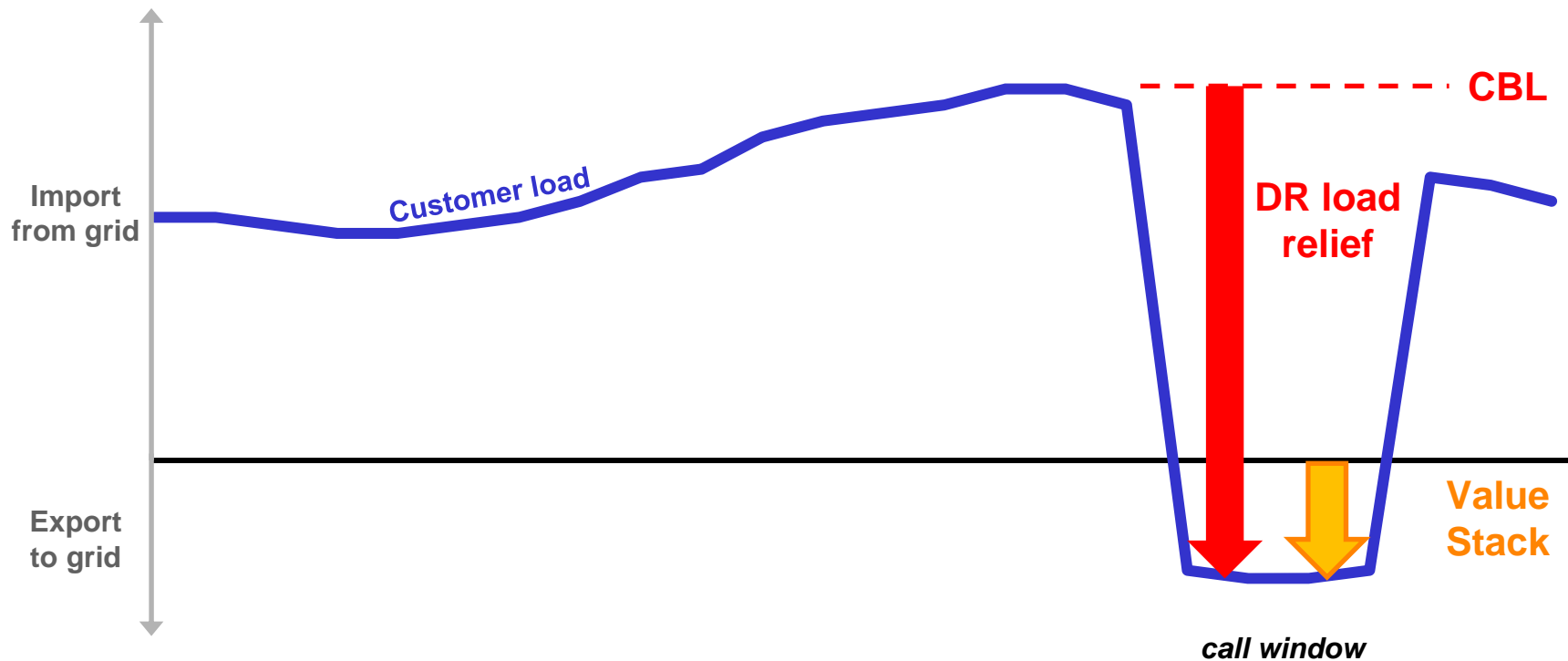
- The Value Stack's DRV and LSRV components compensate for Avoided T&D values
- Value Stack accounts can be enroll in Rider T programs or take DRV and LSRV, as applicable
- An account's enrollment in Rider T represents a **one-time and irrevocable** decision to opt-out of DRV and LSRV
- A Value Stack customer's enrollment in Rider T, either direct or via aggregator, will preclude the customer from receiving DRV and LSRV compensation for the remainder of the customer's Value Stack term
- A Value Stack/DR dual participant is eligible for other Value Stack components (Energy, Capacity, Environmental, Community Credit; as applicable)

Comparison of Distribution benefits in the Value Stack and in CSRP/DLRP

	Value Stack (Rider R)		DR (Rider T)
	DRV	LSRV	CSRP/DLRP
Participation	Direct		Direct and Aggregators
Eligibility	Value Stack projects not on Rider T	Value Stack in high-value areas, not on Rider T	See Rider T
Design	Performance during preset days & hours	Performance during events	Performance during Events
Capability Period	June 24 – September 15		May 1 – September 30
# of Events	58 or 59 per season	10 per season	Variable
Event criteria	All non-holiday weekdays	System Forecast	System Forecast
Performance measurement	kWh Export	Minimum export during 4 hour event	kW reduction from baseline; including export if Value Stack
Notice	n/a	≥ 21 hours	≥ 21 hour Advisory
Compensation	Credits on Electric bill		Payment

Compensation for reduced import, export

Under dual participation, DR compensates Value Stack customers for reduced grid import and grid export



Note: DR customers that participate in Rider R, including Value Stack, are restricted from performance payments

Resources

- coned.com/solar
- coned.com/dg
- coned.com/rates
- nyserda.ny.gov

Gas Demand Response Pilot

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Gas DR Pilot Objectives and Timelines



Objective: Incentivize customers to reduce natural gas demand during the coldest days of winter



Customers can participate by:

- Switching from gas to electric or CE steam

OR

- Curtailing gas consumption for all or a portion of the event day



Approved Timeline: 2019/2020 winter season is the 2nd season of an initial 3-year offering

Pilot Eligibility



Firm service

50

Minimum enrollment value: 50 Therms



All Customer segments



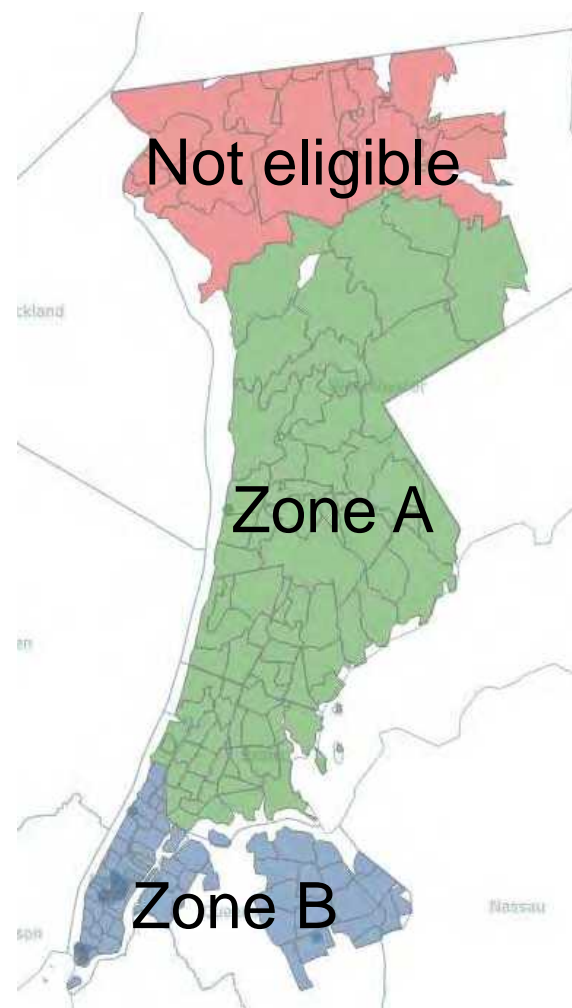
Interval metering: One hour readings



No fuel switching to liquid fossil fuels

Eligible Zones

- Zones A and B are eligible
 - Zone A:
 - Central and Lower Westchester
 - North Bronx
 - North Manhattan
 - Zone B:
 - Queens
 - Southern Manhattan



General Rules

Capability Period	November 1 - March 31
Event Trigger	18 F
Notification Time	Day-ahead: 21 hours in advance Day-of: 2 hours in advance
Call Window	24-hour period (10:00 a.m. to 10:00 a.m.)

Possible Participation Strategies

Switch to Electric

Switch to CE Steam

Space Heating

Water Heating

Process Load

CHP

Note: If reduced use of CHP results in natural gas consumption of a different account changing, all impacted gas accounts must be enrolled in the program.

No fuel switching to liquid fossil fuels!



Thank You!

For more information, contact us at DR@coned.com

Residential Demand Response Program

Bring Your Own Thermostat (BYOT)

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Bring Your Own Thermostat (BYOT) Central A/C Program

Operations Overview

- **Devices:** Honeywell Home (includes Company-Provided Thermostats), Google Nest
- **Incentives:** \$85 upfront, \$25 3-year participation bonus, \$75 extra in NWS areas
- **Event-Calling:** CSRP, DLRP

2019 Results		
Enrolled Thermostats	Max Event Reduction (MW)	Average Reduction per Thermostat (kW)
35,000	18.3	0.63

2020 Strategy

- Integrate additional manufacturers
- Increase BYOT-only marketing
- Test event-calling strategies
- Consider how AMI rollouts will create additional opportunities for residential Demand Response



Commercial & Industrial Energy Efficiency Program 2020

2020 DR Forum

2/18/2020

C&I Program Overview & Eligibility

Incentives available for efficient equipment that reduces annual electric and gas energy use in existing buildings.

Commercial Customers

- Must be a Con Edison customer with active commercial account

Con Ed Account type

- Electric: Must have an average billed demand **over 100kW**
- Gas: Firm or Interruptible (NEW!)

C&I 2019 Accomplishments



\$21+ million
incentives



95+ million
kWh annual
savings



113,000+
dth annual
savings

Equates to...

73,150

Metric Tons of CO2

Program Highlights

- Program Deadline
 - Projects must be completed by November 15th 2020
- Higher Incentive Rates for Electric and Gas Measures
 - Increased Incentive levels per measure
 - Cover up to 70% of project cost
- Participating Contractor Tools - Incentive Navigator Updates
 - 2020 Measures Available
 - Helpful Tools and Tips
 - Q1 Up Coming Updates
- Additional detailed requirements are listed on our website
 - www.coned.com/largecommercial

Future Webinars

- Q1– Multiple Webinars
 - 2nd Kick Off Webinar – Feb 28th
 - Steam Trap & Linear Pipe Insulation Project Submission Process – March 5th
 - Incentive Navigator, Estimator and Scheduler
 - Participating Contractor Training

Thank You!



.....
EVERYTHING
MATTERS

C&I Inquiries Email
commercial@coned.com

Website
ConEd.com/largecommercial

Incentive Navigator
Incentivenavigator.coned.com



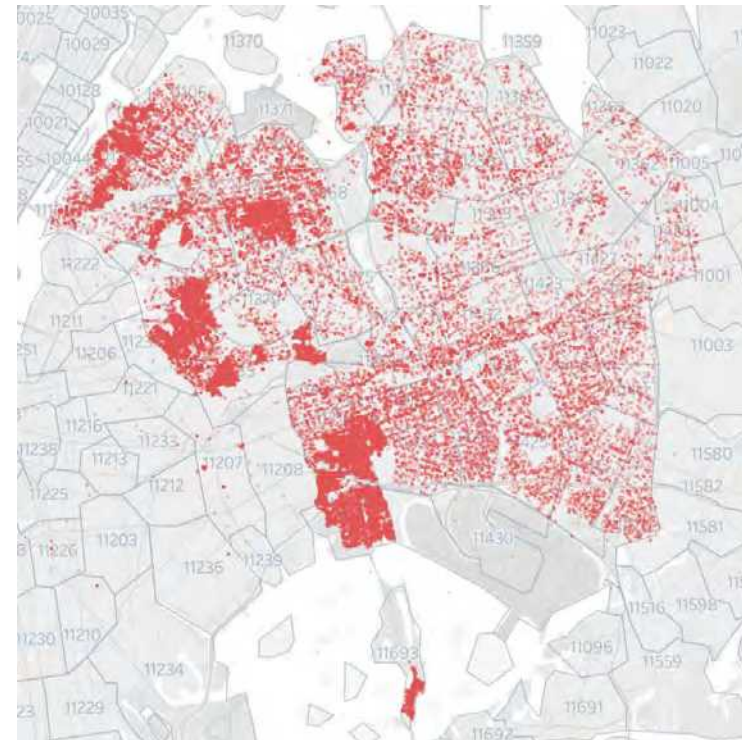
Advanced Metering Infrastructure (AMI)

2020 DR Forum

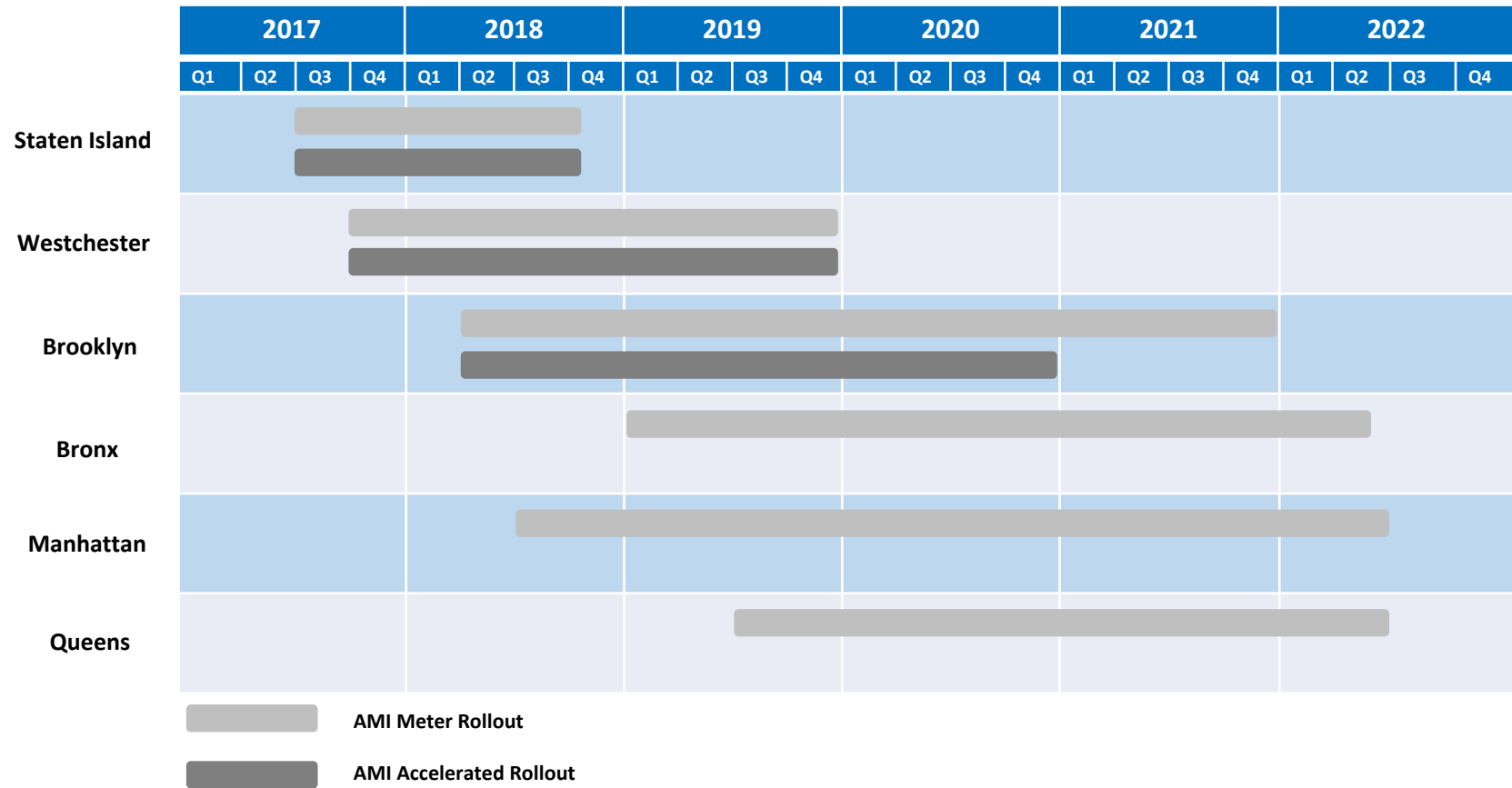
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Smart Meter Project Overview

- Full scale AMI implementation
 - 4.8 million meters
 - 3.6 million electric & 1.2 million gas meters
 - Cost of project: \$1.285 billion
- Meter installation status
 - Approx. 2.8 million meters installed
 - Mass deployment completed in:
 - Staten Island
 - Westchester
 - Rockland and NJ (O&R)



Deployment Plan



Communications Network

- Relays, Access Points (APs)
- Socket AP



Electric Smart Meters

- Communicate with communication network devices as well as other smart meters
- Relay regular interval reads and a daily register read
- Collects:
 - ✓ 15 Minute usage data for residential customers*
 - ✓ 5 Minute usage data for commercial customers*
 - ✓ Transmitted every 15 minutes*
 - ✓ Voltage data
 - ✓ Outage data
 - ✓ Diagnostic notifications (“events and alarms”)
- **Does not collect:**
 - ✗ Customer identifying information
 - ✗ Usage data on individual appliances or lights



Smart Gas Modules

- Generally attached to existing gas meters
- Record hourly interval gas readings
 - 24 interval reads per day
 - One register read at midnight
- Wake to transmit once per day
 - Battery life
 - Not part of the mesh network
 - Estimated 20-year battery life



Enables Digital Customer Experience, and REV goals




Customer Convenience



Reduced Operating Risk




Future Operating Benefits



Enabled Electricity Market

- Foundation for demand response growth



Environmental Benefits

- Reduced CO2 emissions & fuel consumption

Natural Gas Detector

- First-of-its-kind device
- Monitors the atmosphere near where gas service enters a building.
- Detects as little as 10% of the Lower Explosive Limit (LEL) of methane gas
- Audible alarm when triggered
- Uses AMI communications network to send a ticket to the Con Edison Gas Emergency Response Center (GERC), who will notify the fire department to respond jointly
- Pilot program began in October 2018. **8000** units in Westchester, **1000** in Manhattan.
- Full deployment to begin in 2020



Green Button Connect

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Green Button Overview

- Launched in 2012 as a national data sharing standard
- Provides customers with easy access to their energy usage data in consumer-friendly and computer-friendly format



Share My Data

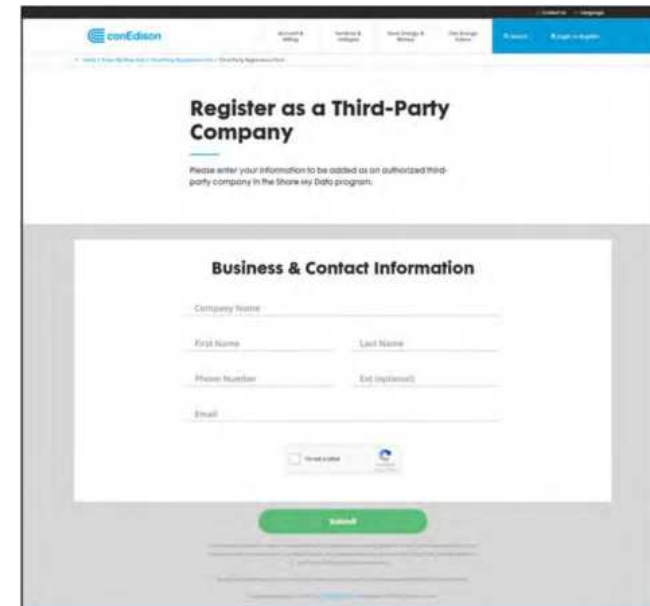
- Available Data

- Meter Number
- Energy or Net Energy Usage (kWh, net kWh, ccf)
- Reactive Power (kVAR)
- Total Electric Utility Bill Cost for current billing period
- Total Gas Utility Bill Cost for current billing period
- ICAP Tag
- Billing History (total electric and gas utility bill cost for previous bill periods)

Customer Category	Usage Data Available
Electric Commercial Customers with AMI Meters	5 minute intervals
Electric Residential Customers with AMI Meters	15 minute intervals
Electric Customers with Legacy Interval Meters*	15 minute intervals
All Gas Customers with AMI Meters	1 hour intervals
All customers with Non-interval Meters	Monthly

Share My Data

- Third-Party Registration/Technical Onboarding
 - Submit online registration form
 - Data Security Agreement must be signed
 - Self-Attestation
 - Technical Onboarding
 - Once completed Third Party will be:
 - Listed for customers to see as a DERS option in My Account
 - Ready to receive customer data



Con Edison Demand Response Management System

2020 DR Forum

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Agenda

1. We've Heard Your Feedback

2. Overview of Demand Response Portal

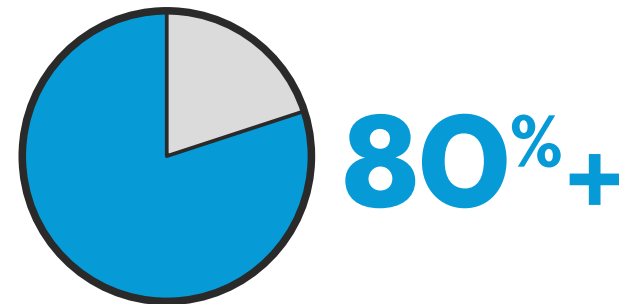
- User Access
- Account Lookup
- Enrollments
- Geospatial Maps
- Events
- Settlements
- APIs

3. DR Forum Booths

We've heard your feedback

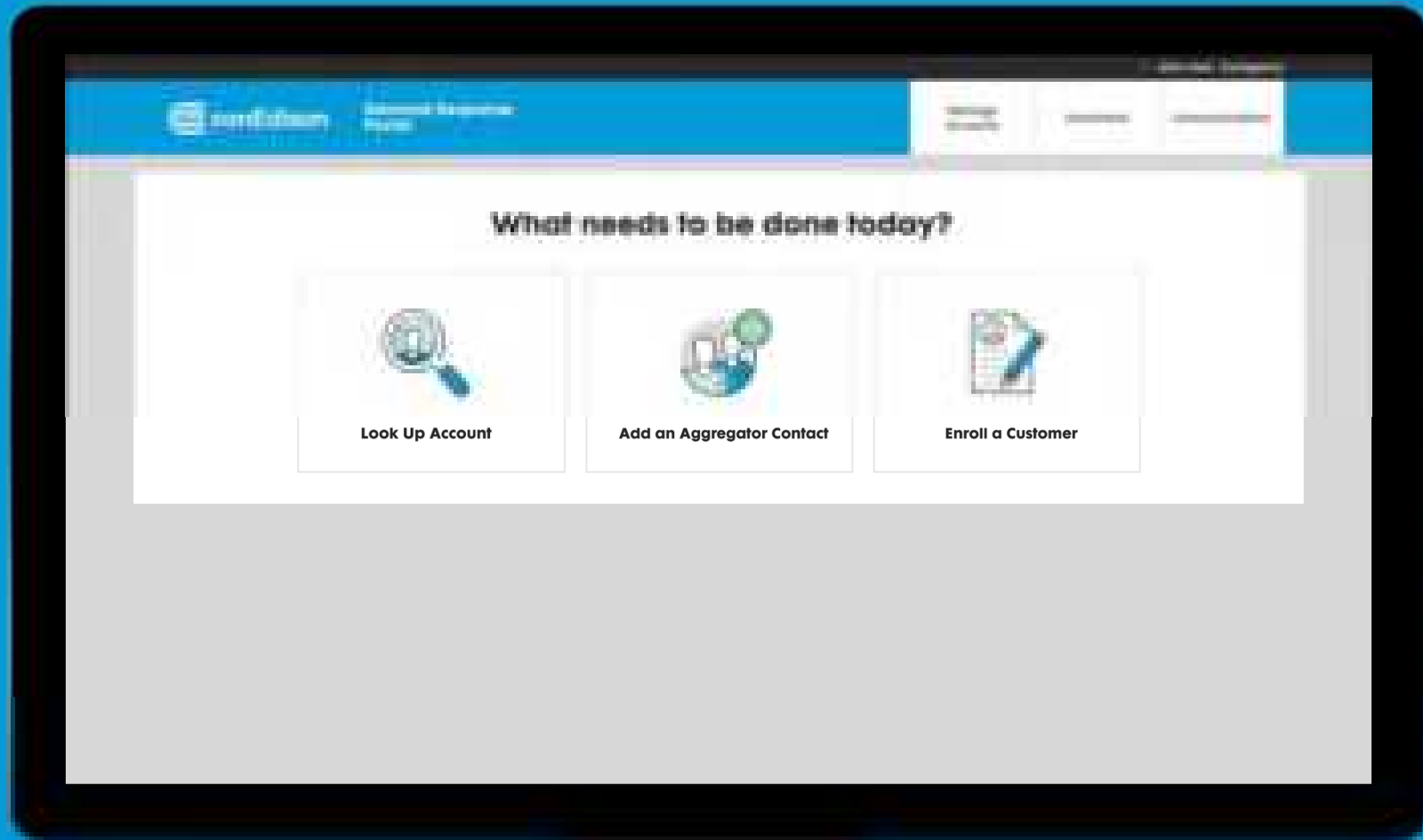
Most requested features

- More comprehensive account lookup tool with meter status
- Retain copy/paste from Excel as it's the most common method of interaction
- Text messages and M2M dispatch signals would be useful enhancements to event notifications
- Learn from NYISO DRIS e.g. make everything exportable and intuitive



80%+ of survey respondents would utilize APIs if they were available

Overview of Demand Response Portal



Single Sign On

What's New

- Single Log In for all Con Edison Applications
- Multi-Factor Authentication
 - Increased Security
 - Customer Protection



Configuring Users: We'll be taking feedback for additional roles

What's New

- Defined aggregator user roles – Admin & Operations

To come

- Additional roles: Finance, Engineering, Facility Ops
- Based on Stakeholder feedback

The screenshot displays the 'Aggregator Contact Entry' form within the conEdison Demand Response Portal. The form is titled 'Aggregator Contact Entry' and includes a sub-header 'Create an aggregator contact by filling out the below form.' The form fields are as follows:

- First Name
- Last Name
- Home Phone
- Work Phone
- Extension
- Cell Phone
- SMS
- Service Provider (dropdown menu)
- Email
- Is this user verified? (Yes)
- Are they a business employee/portal user? (Yes)
- User Role* (dropdown menu)

At the bottom of the form, there are two buttons: 'BACK' and 'SUBMIT'.

Account Lookup (New):

What's New

- Identify any account, network, CSRP call-window, DLRP tier, and meter information
- AMI Meter accounts automatically added in enrollment process

The screenshot shows the 'Look Up Account' page in the conEdison Demand Response Portal. The page has a blue header with the conEdison logo and navigation tabs for 'Manage Accounts', 'Enrollment', 'Event', 'Settlement', and 'Communications'. The main content area is titled 'Look Up Account' and includes instructions: 'Look up an account by typing in a number or copying the account number list from the first column in your Excel spreadsheet, then click on the cell with the row number below and paste into the grid. Or upload a CSV file. To ensure that your file is in the correct format, please download and fill out our [Look Up Account Template](#).' Below the instructions is a table with 5 rows and 2 columns. The first column is labeled 'Account Number' and the second column is for pasting the account number. The first row has a blue header, and the second row has a blue cell with the text 'Enter an account ID here and paste into'. Below the table are two buttons: 'UPLOAD CSV FILE' and 'RESET'.

Account Number	
1	Enter an account ID here and paste into
2	
3	
4	
5	

Major changes to Enrollments



Minimum enrollment
now 10 watts instead of 1
kilowatt



Bulk upload via excel
& CSV

Enrollment Submission (New)

What's New

- Enroll customers: manually, copy/paste, file upload
- Individual resources enrolled as asset: better reporting & forecasting
- More detailed information on enrollment status & issues

Enrollment Submission Review

If there are issues in your uploaded file, you will need to fix them before continuing. You can also download the grid you're currently editing.

ID	Status	Account Number*	Devt. Resp.	Pay. Dpt. *	Resell. No	Load Reduct	Start Date	On-Site Generation	Load Reduct	Generation	Gen. arat	Gen. arat	Gen. arat	Gen. arat	Gen. arat	Gen. arat	Gen. arat
1	Failure	123456789112	CSRP B...	Volunta...	Weath...	160	01/01/2020										
2	Failure	123456789112	CSRP B...		Weath...	160	01/01/2020										
3	Success	123456789112	CSRP B...	Volunta...	Weath...	160	01/01/2020										

BACK SUBMIT

Portfolios Enrollments (New)

What's New

- Customer accounts can be assigned to portfolios

The screenshot displays the 'Add a New Aggregator Portfolio' form within the conEdison Demand Response Portal. The form includes the following fields and controls:

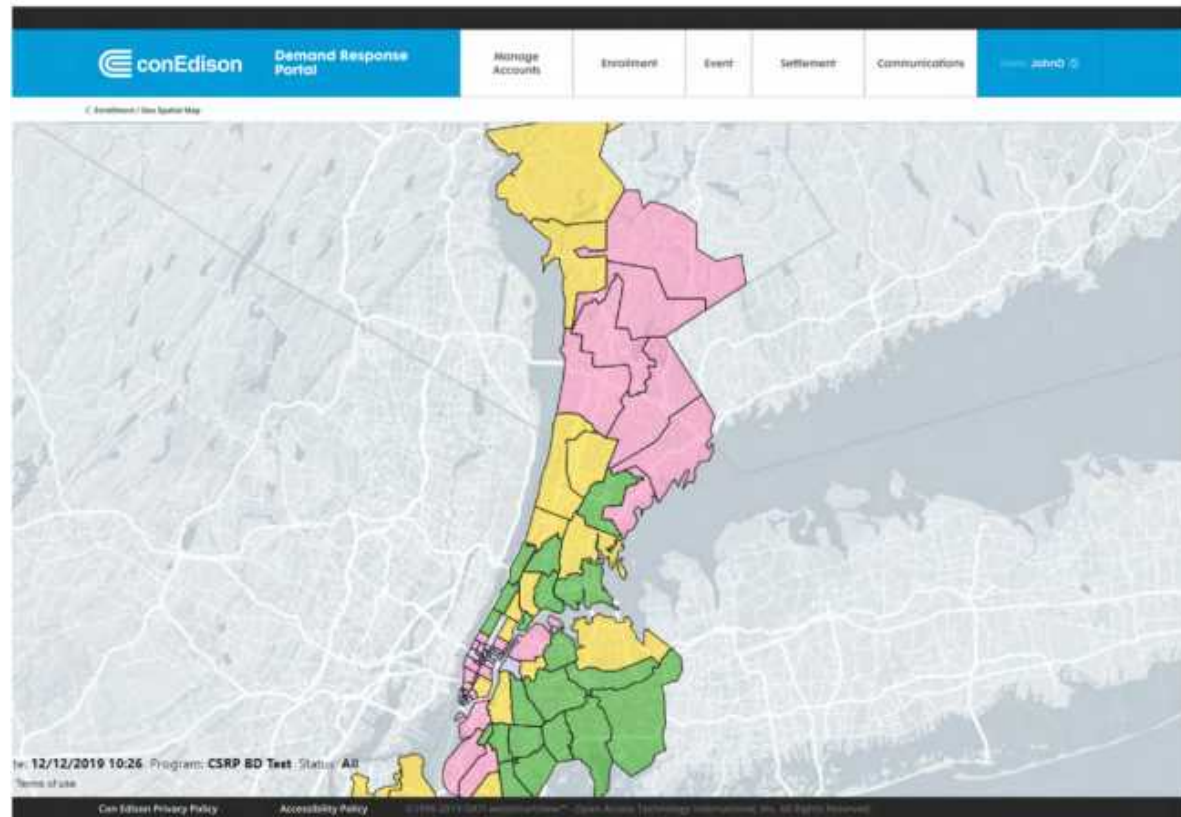
- Portfolio Name***: A text input field.
- Start Date**: A date selection field with a calendar icon.
- SELECT NETWORKS**: A button with a count of **2 Network(s) Selected**.
- SELECT ACCOUNTS**: A button with a count of **26 Account(s) Selected**.
- BACK**: A text link.
- SUBMIT**: A green button.

The page header includes the conEdison logo, 'Demand Response Portal', and navigation tabs for 'Manage Accounts', 'Enrollment', 'Event', 'Settlement', and 'Communications'. The footer contains links for 'Con Edison Privacy Policy' and 'Accessibility Policy'.

Greater Accuracy with Geospatial Map (New)

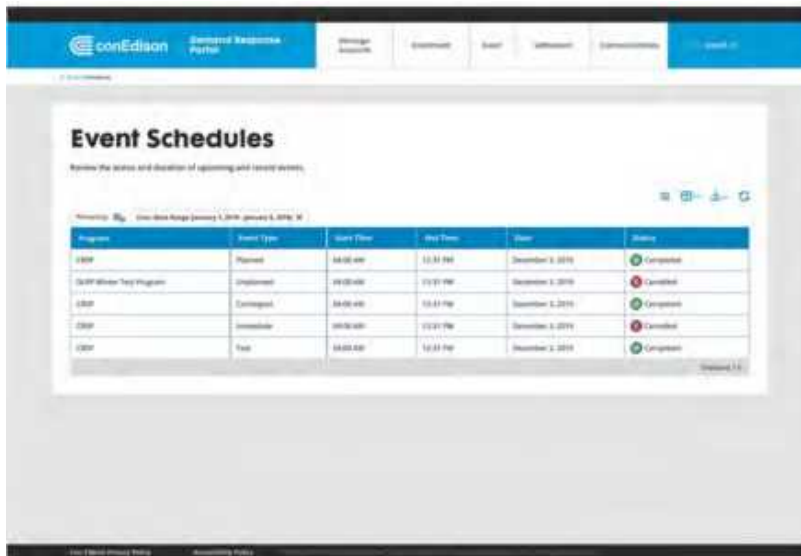
What's New

- Geospatial mapping to locate enrollments and customers by network

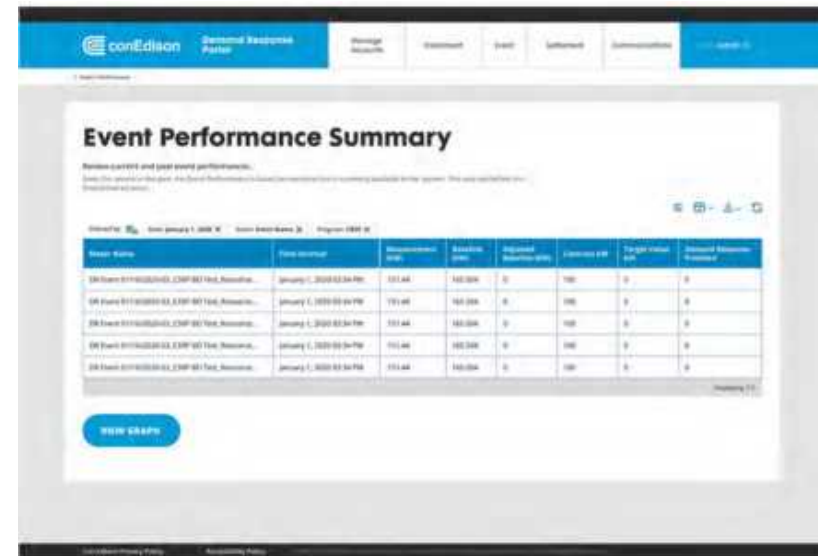


Event Scheduling & Handling

What's New

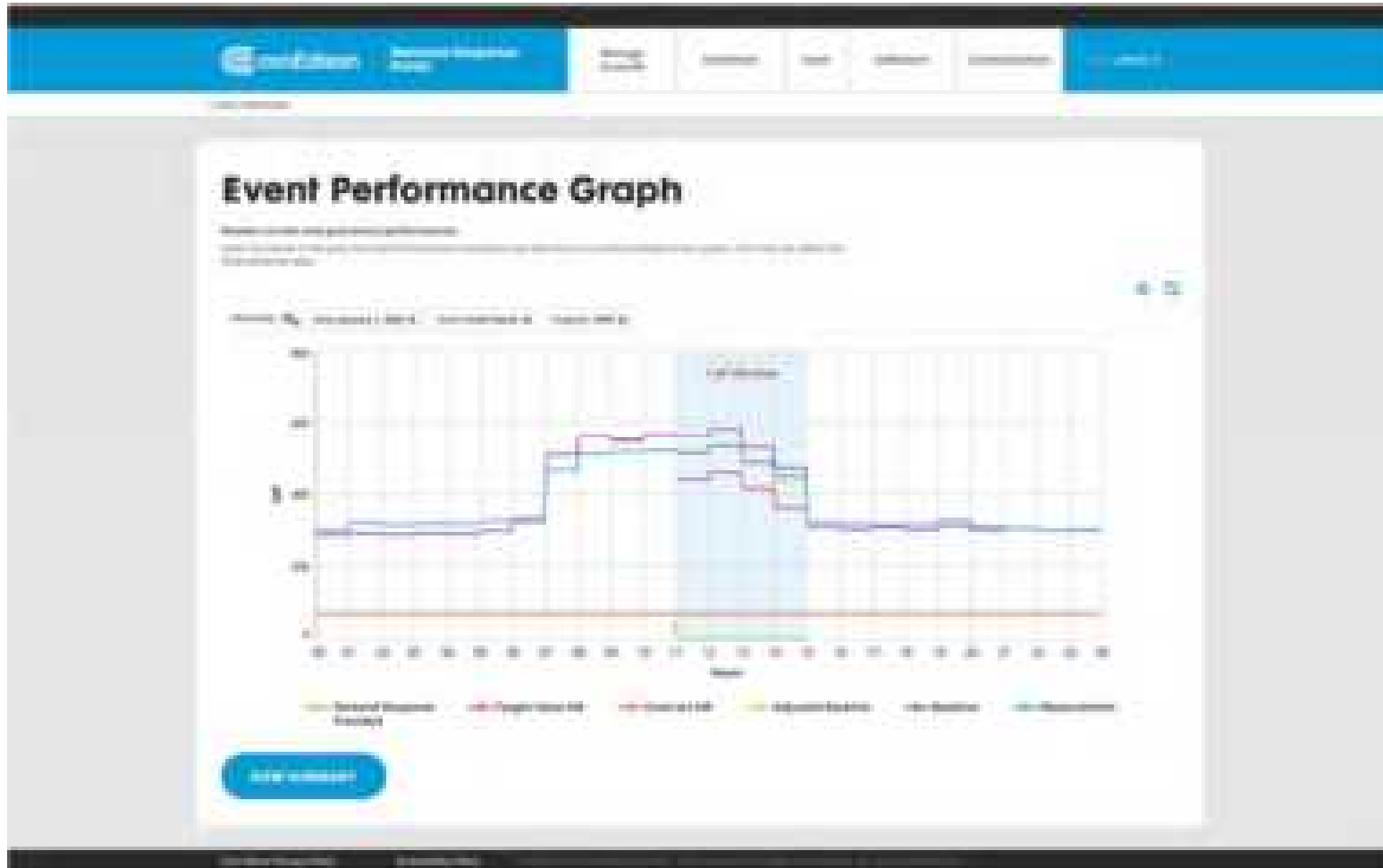


- Scheduled events menu with interactive feedback to confirm participation and provide notes to improve operational reporting / availability estimates



- Fast-polling AMI Meters instead of MV90 Legacy Meters
- See more data sooner

Event Performance Graph



Event Notifications

What's New

- Text (need carrier)
- HTTP push message (to web service endpoint)

Still Available:

- Phone call
- Email



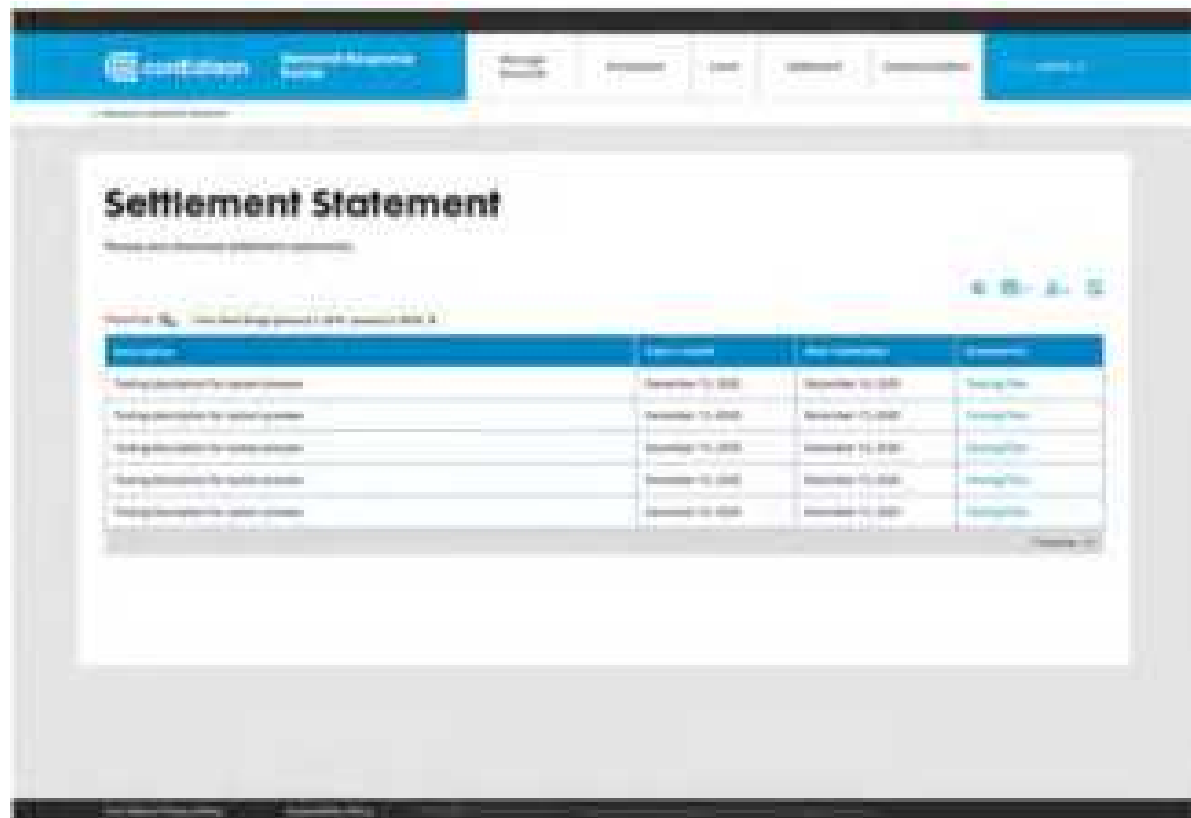
Settlements

Live

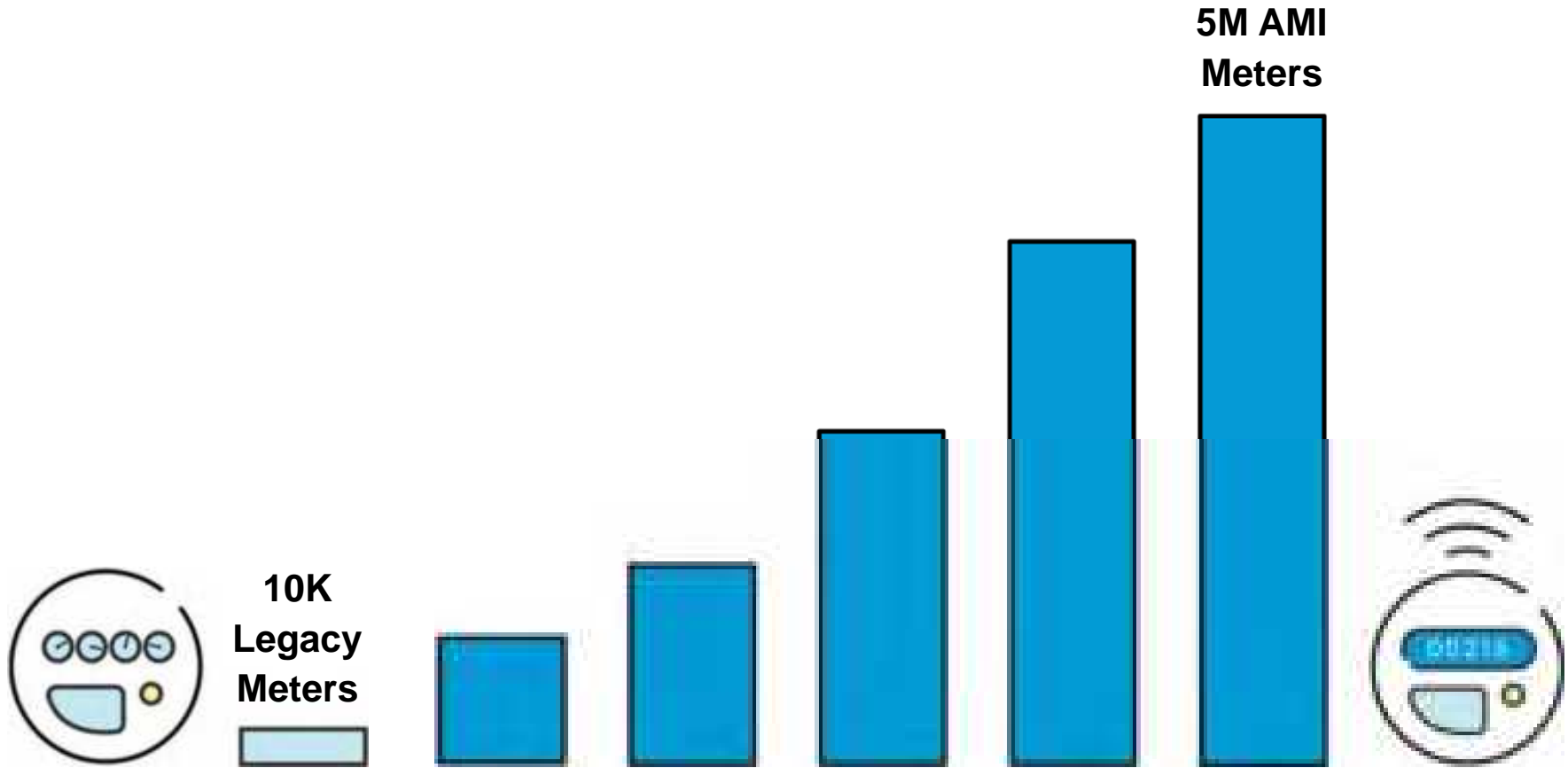
- Excel file uploads like current process

Future

- More detailed screens
- Backup information to validate & identify aggregator results

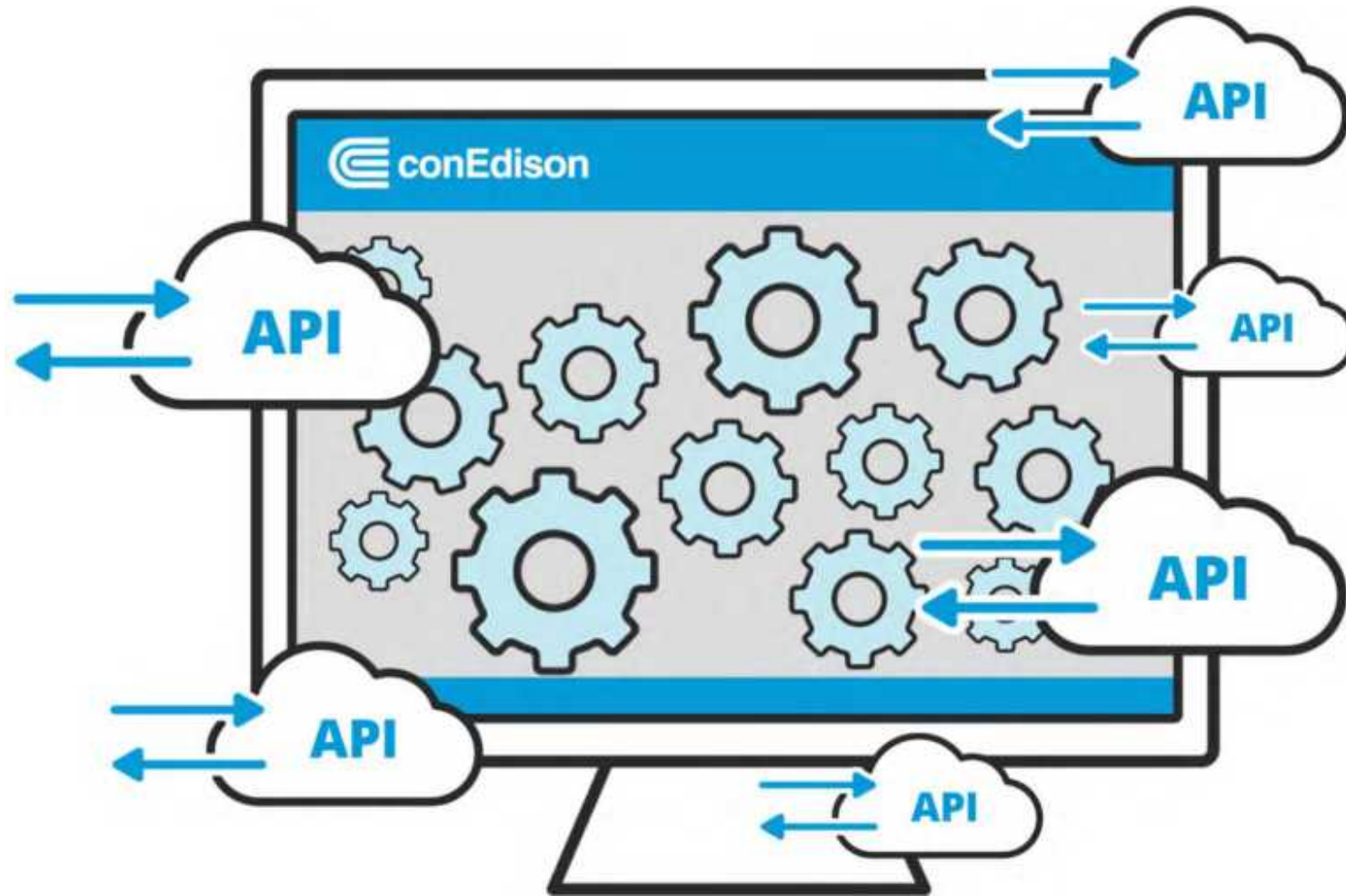


All functionality available via APIs



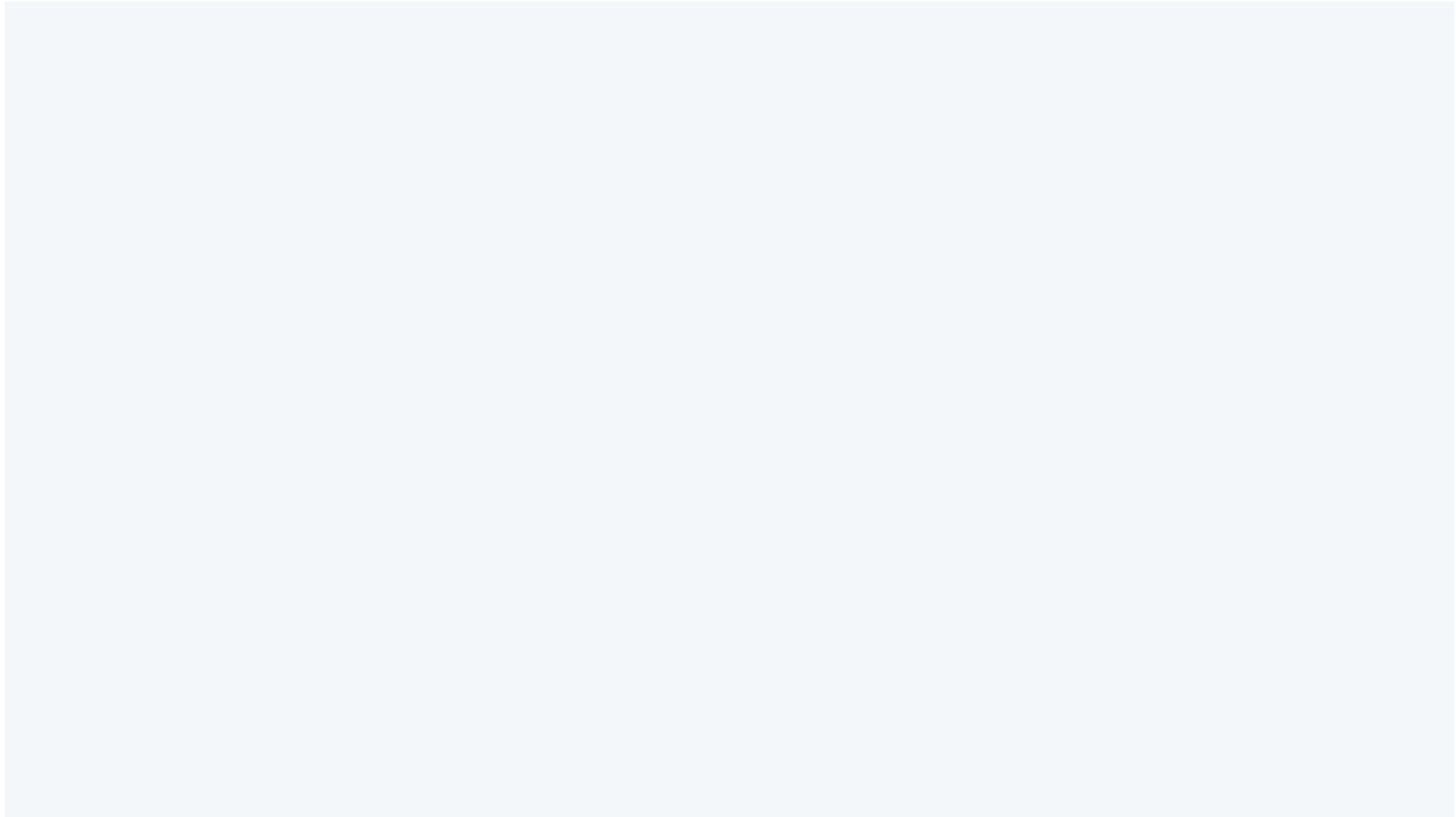
Built to Scale with APIs

All functionality available via APIs

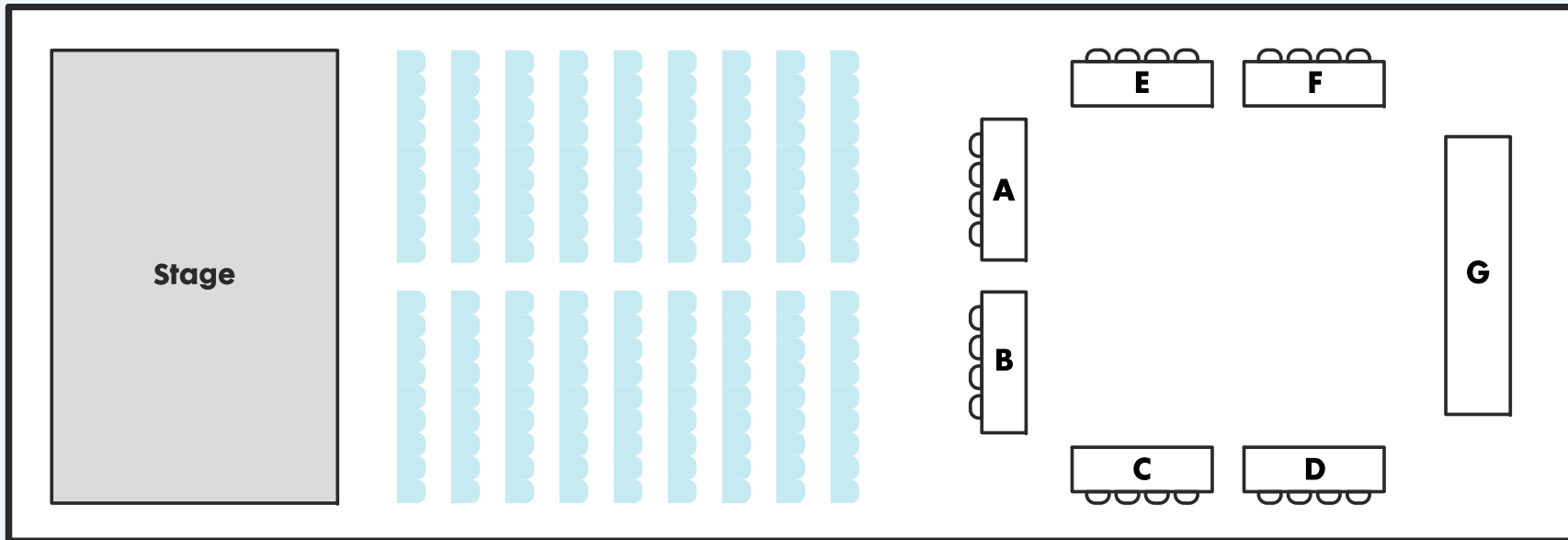


Built from ground up

Overview of APIs



Booths at 2020 DR Forum



Booth A + B – DR Portal Functionality

Booth C + D – DR Portal API's

Booth E – AMI, DCX, DR

Booth F – NWS, NPS

Booth G – Refreshments

Visit our booths: Each have different focus area

Questions? Visit a booth or email: DR@coned.com