CUNY 2022 Solar + Storage Installer Workshop

3/31/2022
Con Edison Supports Interconnection via Various Internal Teams

- Project Management, Engineering & Design
  - Distributed Energy Services
  - Distribution Engineering
  - Customer Engineering
  - Business Process & Technology

- Interconnection Process & Billing Support
  - Distribution Planning
  - Customer Operations
  - Rate Engineering
  - Legal
  - Metering

- REV & CLCPA-related Initiatives
  - Non-Wire Solutions
  - Demonstration Projects
  - Electric Vehicles
  - Utility of the Future / Innovation Hub
  - R&D Group
CUNY– Agenda for Con Edison Showcase

- Non-Wires Solutions – Energy Storage Incentives
- Demand Response Program Participation
- NYC Electric Vehicle (EV) Program
- EV Interconnection Process
- Customer Operations Update for Solar and Storage

Visit our website @ www.coned.com/dg or contact dgexpert@coned.com for any DER related questions.
Current CECONY Non-Wires Solutions (“NWS”)

NWS are portfolios of demand-side reduction projects designed to cost effectively defer or eliminate electric system capacity upgrades while helping to meet REV/CLCPA goals.

NWS has been integrated into our utility capital planning process, with new projects assessed as capacity expansion needs arise.

**Active Portfolios**

**Brooklyn Queens Demand Management Program**
- Designed to defer new Gateway Substation
- Brownsville #1 and #2 138kV Supply
- Commenced in 2014 and extended in 2018

**Newtown**
- Designed to defer transfer from Newtown to North Queens
- Commenced in 2019 for deferral from 2021 to 2025

**Closed Portfolios**

**Water Street**
- Eliminated a cooling and reconductoring projects at Water Street, Plymouth Street, and Farragut Supply Stations
- Commenced in 2018 for reductions needed for 2019 through 2021
Portfolio Development

Utilize a portfolio-based approach of customer-sided solutions to reduce risk, meet peak demand and meet operational needs of the system.
# Current and Future EE/DER Programs

<table>
<thead>
<tr>
<th>Technology</th>
<th>Customer Segment</th>
<th>Portfolio</th>
<th>2016-2019</th>
<th>2020-2021</th>
<th>2022+</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Energy Efficiency</strong></td>
<td>Residential 1-4 EE Direct Install</td>
<td>▲</td>
<td></td>
<td>▲</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Multi-Family EE Adder</td>
<td>▲</td>
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<tr>
<td></td>
<td>Small-Business EE Adder</td>
<td>▲</td>
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<tr>
<td></td>
<td>Commercial &amp; Industrial EE Adder</td>
<td>▲</td>
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</tr>
<tr>
<td></td>
<td>Public Partnerships (DCAS, NYCHA, NYPA)</td>
<td>▲</td>
<td></td>
<td>▲</td>
<td></td>
</tr>
<tr>
<td><strong>Energy Storage</strong></td>
<td>Commercial &amp; Industrial, Multi-Family, Residential</td>
<td>▲</td>
<td></td>
<td>▲</td>
<td></td>
</tr>
<tr>
<td><strong>Combined Heat &amp; Power</strong></td>
<td>Commercial &amp; Hospitals</td>
<td>▲</td>
<td></td>
<td>▲</td>
<td></td>
</tr>
<tr>
<td><strong>Fuel Cells</strong></td>
<td>Commercial, Multi-Family &amp; Hospitals</td>
<td>▲</td>
<td></td>
<td>▲</td>
<td></td>
</tr>
</tbody>
</table>

**Residential** | **Multi-Family** | **Small Business** | **C&I** | **Fuel Cells/CHP** | **Energy Storage**

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**conEdison**
Energy Storage

NWS procures grid connected or load following battery energy storage to support local distribution system needs during the hottest times in the summer

Customer Services

• Demand charge reduction and facility/local system peak demand shaving
• Resiliency and back-up power applications when paired with alternative generation sources (solar/fuel cells)
• Retail energy arbitrage

System Needs

• Focus on “customer-sided” solutions
• Meter configuration site specific, both front “FTM” or behind the meter “BTM” accepted
• Minimum 4-hour system duration, though dynamic discharge or longer duration may be needed in future years
• Interconnection in accordance with NYS Standard Interconnection Review
  • Must be interconnected to the reliability standard of the area of the site
Energy Storage

NWS contracts for first dispatch rights with 21h notice on event days during the summer that can span from May-September over a 10-year performance contracts

Revenue Structure

• NWS Direct Payment Structure:
  – 50% incentive payment at Operational Date
  – 5% annually for each Summer period

• Must meet NWS dispatch requirements before any other arrangement with the customer or applicable revenue markets

• Maximize current and future ESS revenue streams
  – Share revenue streams from NYISO market participation 75% to Con Edison, 25% to the Vendor
  – Current contract obligation helps buy-down costs to Con Edison customer

• Not eligible for Con Ed’s Demand Response/Direct Load Control incentives while under contract
Stay Informed on Upcoming Solicitations

Non-Wires Opportunities

Non-wires solutions have the potential to reduce customers' electric bills, improve reliability, and defer capital infrastructure. We've identified several opportunities to create such change.

Current Opportunities

<table>
<thead>
<tr>
<th>Projects</th>
<th>Current Status</th>
<th>Documents</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primary Feeder Relief - Chelsea</td>
<td>Project deferred due to decrease in the projected load</td>
<td>Project Description</td>
</tr>
<tr>
<td>Parkchester No. 1 Cooling Project</td>
<td>Project deferred due to decrease in the projected load</td>
<td>Project Description</td>
</tr>
<tr>
<td>Newtown Transformer Installation Project</td>
<td>No longer accepting proposals</td>
<td>RFP</td>
</tr>
<tr>
<td>Primary Feeder Relief - Williamsburg</td>
<td>No longer accepting proposals</td>
<td>RFP</td>
</tr>
<tr>
<td>Water Street Cooling Project</td>
<td>No longer accepting proposals</td>
<td>RFP</td>
</tr>
<tr>
<td>Plymouth Street Cooling Project</td>
<td>No longer accepting proposals</td>
<td>RFP</td>
</tr>
</tbody>
</table>

Lindsay O'Neill-Caffrey
Program Manager, Non-Wires Solutions
Coned.com/neighborhood
DSM@coned.com
Demand Response
Demandresponse@coned.com
CUNY Workshop
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
Eligibility Requirements

Metering & Minimum Pledge

- Customer must have a legacy interval meter or an AMI meter
  - Large customers get an interval meter at no cost
  - In the past small customers had to pay for interval meter installation
- Customers with AMI meters are eligible to participate
- Minimum of 50kW as direct participant or by working with an approved Aggregator
Demand Response

CSR/P/DLRP

- Commercial System Relief Program (CSRP)
  - System wide activation
    - Day-Ahead Forecast ≥ 92% of summer peak
    - Day Ahead TV ≥ 84 degrees

- Distribution Load Relief Program (DLRP)
  - Dispatched by network
    - Next Contingency ➔ Condition Yellow
    - Active Voltage Reduction
Term- and Auto-DLM Overview

Long Term Contracts for DR Resources

- Long term DR contracts (3 – 5 years)
  - Aggregations (Network, load relief amount, annual per kW incentive rate, program type)
  - Higher performance requirements
- Competitively procured long term contracts vs. yearly enrolled Rider T programs
- Contracts are awarded through a Request for Proposal (RFP) process
- Participants can seek 3-5 year contracts
- Capability Period for both programs is May 1 through September 30
- Bidders provide a single per kW Incentive Rate for each bid which determines annual per kW compensation
Term– and Auto–DLM

Program Overview

• Term – DLM
  – Day ahead peak shaving (Similar to CSRP)
  – System wide activation
    ▪ Day-Ahead Forecast ≥ 88% of summer peak

• Auto – DLM
  – Peak shaving and contingency
  – System wide and/or one or several networks
    ▪ 10 min. notifications
EV Light-Duty PowerReady Program

Program Overview
CUNY

EVMRP@coned.com
Con Edison Light-Duty PowerReady Program Overview
As Authorized in NY PSC July 16, 2020 Order

PowerReady (Make-Ready) Program Funding
• $234M in incentive funds for customer and utility side work to provide service to L2 and DCFC chargers in NYC and Westchester

5-Year Program Start Date: July 16, 2020
• Any project not under construction as of that date is eligible

Program Plug Goals (2025)
• 18,539 L2 plugs
• 457 DCFC plugs
Con Edison’s PowerReady Program provides incentives for utility-side and customer-side work

What’s Eligible?

- Customers may be required to pay for grid upgrades in excess of Con Edison’s design requirements
- Panel
- Conduit
- Trenching
- Design
- Permitting
- Step Up Transformers
- Wiring
- Customer Switchgear
- Signs
- Bollard
- Network
- Maintenance
- Pedestal
- Charging Station
- Network Equipment
- Station Installation

<table>
<thead>
<tr>
<th>Con Edison Constructs</th>
<th>Customer Constructs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# PowerReady Eligible Equipment

<table>
<thead>
<tr>
<th>PowerReady Eligible Equipment</th>
<th>Ineligible Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution Network</td>
<td>Charging Station</td>
</tr>
<tr>
<td>Transformers</td>
<td>Network Equipment</td>
</tr>
<tr>
<td>Meter</td>
<td>Station Installation</td>
</tr>
<tr>
<td>Conductors</td>
<td>Signs</td>
</tr>
<tr>
<td>Panel</td>
<td>Lighting/Lighting Column</td>
</tr>
<tr>
<td>Boring</td>
<td>Rectifier</td>
</tr>
<tr>
<td>Trenching</td>
<td>Bollards</td>
</tr>
<tr>
<td>Conduit</td>
<td>Maintenance Fees</td>
</tr>
<tr>
<td>Permitting</td>
<td>Assoc. Fees</td>
</tr>
<tr>
<td>Design Costs</td>
<td>Retractor Pole</td>
</tr>
<tr>
<td>Project Management</td>
<td>Shipping Costs</td>
</tr>
<tr>
<td>Sidewalk Excavation and Restoration</td>
<td>Charger Pedestal/Concrete Pads</td>
</tr>
<tr>
<td>Customer Requested Outages</td>
<td>Sales Tax &amp; GRT</td>
</tr>
<tr>
<td>Transformer Concrete Pads</td>
<td></td>
</tr>
</tbody>
</table>

List is not exhaustive and subject to change
## Level 2 Chargers vs. DC Fast Chargers

<table>
<thead>
<tr>
<th></th>
<th>Level 2 Charging Station</th>
<th>DCFC Charging Station</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Current / Voltage</strong></td>
<td>AC / 240 V</td>
<td>DC / 480 V</td>
</tr>
<tr>
<td><strong>Plug (Connector) Types</strong></td>
<td>J1772, Tesla</td>
<td>SAE Combo (CCS); CHAdeMO; Tesla</td>
</tr>
<tr>
<td><strong>Miles of Range per Hour</strong></td>
<td>~25 (for 7 kW)</td>
<td>100+ depending on power</td>
</tr>
<tr>
<td><strong>Time to Charge (depends on range of vehicle)</strong></td>
<td>6-8 hours</td>
<td>30 minutes</td>
</tr>
<tr>
<td><strong>Best Applications</strong></td>
<td>Multifamily, C&amp;I, workplace charging, locations with dwell time of an hour +</td>
<td>Short stops, highway routes, dedicated fast charging hubs</td>
</tr>
<tr>
<td><strong>Minimum # of plugs that can receive rebate</strong></td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Maximum # of plugs that can receive rebate</strong></td>
<td>No maximum</td>
<td>11+ will have to go through additional eligibility review</td>
</tr>
</tbody>
</table>

**Note:** All statistics above vary based on charger kW, car battery size and operations
The tiered incentive structure provides ‘up to’ a certain level of incentive based on various criteria.

<table>
<thead>
<tr>
<th>Category</th>
<th>Non-Publicly Accessible Sites</th>
<th>Publicly Accessible Sites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary Plugs (e.g., CHAdeMo, Tesla)</td>
<td>Up to 50%</td>
<td>Up to 50%</td>
</tr>
<tr>
<td>Non-Proprietary Plugs (e.g., SAE J, CCS)</td>
<td>Up to 50%</td>
<td>Up to 90%</td>
</tr>
<tr>
<td>Non-Proprietary &amp; Proprietary Plugs Collocated (Equal Number of Plugs)</td>
<td>Up to 50%</td>
<td>Up to 90%</td>
</tr>
</tbody>
</table>

Incentive dollars will be capped, additional incentives may be available for Disadvantaged Communities.

Publicly accessible is defined as free access to charging station by electric vehicle owners during hours that customers/tenants have access. Municipal parking exempt from free access requirement.
Participant Support Tools: EV load capacity maps show network transformer capacity, voltage, and feeder headroom.
Additional eligibility requirements to participate in PowerReady

Approved Contractor

• **Customer-side work** must be completed by an Approved Contractor
• To become an Approved Contractor, interested entities must complete and submit a **Participating Contractor Application**, available at jointutilitiesofny.org

Participant Application Submittal

• Any customer-side party (e.g., developer, site host, approved contractor) can submit the Participant application
• The Participant that **signs the program agreement** takes on reporting and other responsibilities

Station Size

• Station sizes must be a **minimum of 2 plugs**
• If the demand of your DCFC charging station is over 2 MWs you will need to go through energy services to determine if its eligible for the program. Energy services will determine eligibility on a case-by-case basis.
• If you're installing more than 10 DCFC plugs at a single site, the number of plugs eligible for incentives may be capped at 10 plugs. Please contact EVMRP@coned.com for more information.
Approved Contractor Network

Application requirements include:

- Company name and contact information
- Check box certifying that your company is registered and maintains credentials necessary to do business in NYS.
- Check box certifying that your company holds all appropriate licenses and certifications to perform EV charging station installs.
- Identify utility service territories your company provides services in.

You can search the Approved Contractor Network by “Service Provided”

Benefits of Joining:

- Project leads
- Specialized training
- Monthly installer calls
- Marketing Support
There are operational requirements for Participants

**DCFC Plug Operating Requirements**
- DCFC plugs **must be operational 95 percent of the time** (annually)
- DCFC charging stations **must be operational 99 percent of the time (annually)**, with a minimum of 50 percent of the plugs considered to be “up” at all times

**Operation Period**
- All charging stations in the EV PowerReady Program must **operate for a minimum of five years**
- **Quarterly reporting** on charging station operations required for the following 5 years

**Ownership Changes**
- **Ownership of EV charging stations may change** or stations may be upgraded during the five year term, as long as the number of plugs and the capacity of the station does not decrease, and the site continues to meet all performance and reporting obligations of the Program
The EV PowerReady Program has a five-year quarterly reporting requirement

The Joint Utilities are finalizing contracting with the 3rd-party consultant and expect to be reaching out to Participants with completed projects this year.

<table>
<thead>
<tr>
<th>Data Type</th>
<th>Plug and Charging Session</th>
<th>Financial Information</th>
<th>Utility Energy and Billing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Who Provides Data</td>
<td>Participant to 3rd-party consultant</td>
<td>Participant to 3rd-party consultant</td>
<td>Utility</td>
</tr>
<tr>
<td>Data Requirements</td>
<td>• Number of sessions daily</td>
<td>• Infrastructure and equipment costs</td>
<td>Utility system and billing information for each EV charging station, including:</td>
</tr>
<tr>
<td></td>
<td>• Start and stop times of each charge</td>
<td>• Fee structure (e.g., cost per kWh, cost per session)</td>
<td>• 15-minute interval data</td>
</tr>
<tr>
<td></td>
<td>• The amount of time each vehicle is plugged in per session</td>
<td>• Charging revenues derived</td>
<td>• Load profiles for charging stations for the top ten annual demand days</td>
</tr>
<tr>
<td></td>
<td>• Peak kW per charging session</td>
<td>• Operating costs, which should separate energy-related costs and non-energy related costs</td>
<td>• Utility bills, which should differentiate by delivery service-related costs and energy-related costs</td>
</tr>
<tr>
<td></td>
<td>• kWh per charging session</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Plug outage information</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Each PowerReady participant will be required to share data with the Joint Utilities and Department of Public Service on a quarterly basis. Failure to meet this requirement will result in ineligibility for PowerReady incentives and potential claw back of payments received.
PowerReady incentives can be layered with other NY State incentive offerings

**SmartCharge NY**
- Enrolled vehicles can receive a $/kWh incentive and a monthly incentive during summer months for charging off-peak
- Open to light-, medium-, and heavy-duty vehicles charging in the Con Edison territory

**DCFC Per Plug Incentive (PPI)**
Provides annual incentive per plug through 2025 for publicly accessible DC Fast Chargers that meet the following requirements:
- Charger connection with a minimum output of 50kW
- Charger uses a standard non-proprietary plug, or a proprietary plug that is co-located with at least two non-proprietary plugs

**Business Incentive Rate (BIR)**
- Provides reduced energy rates (~35% rate reduction) for publicly accessible fast charging stations with a minimum capacity of 100kW
- Available through the end of 2025 for up to 30MW of EV charging.
Future Proofing

- PowerReady can provide additional incentives for future proofing – building out infrastructure to handle chargers being installed in the future

Eligibility criteria

- Include # chargers to be installed in future or desired additional power
- Confirm availability of sufficient parking spaces to accommodate
- Eligible future proofing dollars are capped at 10% of Make Ready costs

Example

Eligible Make Ready costs: $100,000

Maximum Future Proofing incentive: $10,000

Note: Submit two quotes – one with and one without the future-proofing plan so the team can appropriately assess the additional costs
PowerReady Process & Estimated Timeline

Con Edison timelines assume that Participant has submitted correct and complete technical and program documentation.

1. Submit Program Application (Salesforce)
2. Preliminary Program Approval
3. Submit Service Application (Salesforce)
4. Project Review, Design, Engineering
5. Submit customer-side costs (Excel template)
6. Initial Incentive Determination
7. Sign Program Agreement
8. Customer Side Construction
9. Utility Side Construction & Energization
10. Work Verification
11. Submit Invoices and Final Project Documentation
12. Incentive Processing and Payment
13. Quarterly Reporting
14. Responsible Party
   - Con Edison Team
   - Participant
## Program Resources

<table>
<thead>
<tr>
<th>Resource</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>ConEdison PowerReady Website</td>
<td>Incentive website including program information and resources</td>
</tr>
<tr>
<td>PowerReady FAQs</td>
<td>Program Frequently Asked Questions</td>
</tr>
<tr>
<td>Disadvantaged Community Map</td>
<td>Look up your address to determine if you are in the DAC zone</td>
</tr>
<tr>
<td>Register – PowerReady Program Portal</td>
<td>Register for the PowerReady Program Portal</td>
</tr>
<tr>
<td>Apply Now – PowerReady Program Portal</td>
<td>Apply for the PowerReady Program Portal</td>
</tr>
<tr>
<td>PowerReady Program Portal Directions</td>
<td>Step by step directions to apply to the program</td>
</tr>
<tr>
<td>Approved Contractor List</td>
<td>List of charger installers approved to participate in PowerReady</td>
</tr>
<tr>
<td>Participant Guide</td>
<td>Includes program specifics, such as eligibility criteria and requirements.</td>
</tr>
<tr>
<td>EV Rates Webinar Replay</td>
<td>Video reviewing rate options for EV developers and customers.</td>
</tr>
<tr>
<td><a href="mailto:EVMRP@coned.com">EVMRP@coned.com</a></td>
<td>Reach out with any program questions or to start your project</td>
</tr>
</tbody>
</table>

### • Lead the Charge!

- Forecasts indicate EVs will be responsible for 1/3rd of all car sales by 2025

- EV Drivers save over $500 and 72 lbs of CO2 on average, a year vs. gas drivers

- Studies have shown EV charging stations increased average EV driver dwell time by 50 minutes
Electric Vehicle (EV) Interconnection Process

Suzanne Koch
Project Application:

- Apply Service Request via Project Center
- Apply EV Make Ready Program via Salesforce
**Required Documents:**

- Make Ready Program Application Review Letter
- Letter of Authorization
- Site Plan
- One Line Diagram
- Load Letter
- EV Charging Station Equipment Cut Sheet
Project Review and Service Determination

- Energy Services reviews the Service Request
- Engineering performs the Service Determination study
  - Existing Service Adequate
    - No Additional Work
    - Request Additional Meters
    - Request a New POE
  - Service Not Adequate:
    - Reinforce Existing Service
    - Request New Service
Electric Vehicle Customer Project Flow

Service Adequate – New Meter

- **Application Received**
  - File application via Project Center
  - Submit required documents
  - Includes detailed work description

- **Service Determination**
  - Review requirements
  - Perform Service Determination – Service Adequate

- **Sub-Surface Construction**
  - New metering equipment to be installed
  - EV chargers to be installed

- **Energization**
  - Equipment is interconnected to existing Con Edison service
  - New meter set after final inspection (15 days)

- **Case Close-out**
  - No further work required by Con Edison after meter is set
  - Verify customer account(s)

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200 KM
Electric Vehicle Customer Project Flow

Service Not Adequate – Service Reinforcement

- **Application Received**
  - File application via Project Center
  - Submit required documents
  - Includes detailed work description

- **Service Layout**
  - Review requirements
  - Determine POE location
  - Perform Service Determination – Service Not Adequate (Requires service reinforcement)

- **Sub-Surface Construction**
  - Construction to begin after permits are obtained
  - Establish new service
  - EV chargers to be installed

- **Energization**
  - Service is interconnected to Con Edison utility (30 days)
  - New meter set after final inspection (15 days)

- **Case Close-out**
  - No further work required by Con Edison after meter is set
  - Verify customer account(s)
Additional considerations

• **Load requirements**
  • How much power is needed
  • Load is not proportional

• **Geographic**
  • Embargos (ie: NYC Holiday embargo)
  • Moratoriums (ie: system reliability concerns)
  • Construction complications (ie: high traffic areas may prove challenging for permitting)

• **Environmental**
  • Existing soil conditions
  • Additional permitting requirements
Available References

- **Contact** - vitolor@coned.com

- **Con Edison blue book**

- **Con Edison rates and tariffs**

- **Electric vehicle information**

- **Electric vehicle make ready program**

*We are always here to help!!!!*
Customer Operations Update for Solar & Storage

Raanan Korinow
Project Manager, Customer Operations
Topics

• New tariffed compensation options for Solar PV, Energy Storage:
  – Remote Crediting
  – CDG Net Crediting

• Customer Benefit Contribution (CBC) charge for mass-market Solar PV customers
Remote Crediting

- The PSC sunset the Value Stack Remote Net Metering (RNM) tariff
- In its place, new “Remote Crediting” replacement program is available
- The same Value Stack rates that applied to RNM also apply to Remote Crediting
- The changes took effect September 1, 2021
Major differences between RNM and Remote Crediting

- Multiple unrelated customers can participate in the same project
- A satellite can now participate with multiple related and unrelated hosts
- Credit no longer applied in the order that satellites are billed
- Instead, Host allocates credit to each satellite as a % of the monthly generation by submitting an allocation form to the utility
- Unallocated credit offsets Host account’s charges, and remainder can be re-allocated to satellites
Remote Crediting compensation is allocated to subscribers

- Submit Allocation Form (Excel file) with Form G

<table>
<thead>
<tr>
<th>RC Customer (designated above)</th>
<th>Con Edison Account Number</th>
<th>Con Edison Account Name</th>
<th>Allocation Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ACME Corp.</td>
<td>850320671200012</td>
<td>ACME Headquarters</td>
<td>40.000%</td>
</tr>
<tr>
<td>2 ACME Corp.</td>
<td>850320672300003</td>
<td>ACME Warehouse</td>
<td>10.000%</td>
</tr>
<tr>
<td>3 Stark Industries</td>
<td>941320332520082</td>
<td>Stark Labs</td>
<td>10.000%</td>
</tr>
<tr>
<td>4 Stark Industries</td>
<td>155623447586120</td>
<td>Stark Midtown</td>
<td>10.000%</td>
</tr>
<tr>
<td>5 Stark Industries</td>
<td>965201160228540</td>
<td>Stark Helipad</td>
<td>15.000%</td>
</tr>
<tr>
<td>6 Wonka Chocolates</td>
<td>923525630310500</td>
<td>Wonka Industries</td>
<td>15.000%</td>
</tr>
</tbody>
</table>

- Allocation can be updated up to monthly, with 30 days’ notice
CDG Net Crediting

- Con Edison has implemented “Net Crediting” billing for Community Distributed Generation (CDG)
- For projects that opt-in, Utility will collect subscription fees from CDG subscribers and will remit those fees as a payment to CDG Sponsor
  - The fee is a % of credit from the CDG Sponsor; subscriber’s will therefore see a “net credit” on their bill, equal to the gross credit value less the CDG subscription fee
- Simplifies CDG revenue & collections
- Aims to increase LMI participation in CDG by removing credit checks/barriers
- Became effective in 2021
### CDG Billing comparison

<table>
<thead>
<tr>
<th></th>
<th><strong>Traditional CDG</strong></th>
<th><strong>Net Crediting CDG</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Subscriber acquisition</strong></td>
<td>By CDG Sponsor</td>
<td>By CDG Sponsor</td>
</tr>
<tr>
<td><strong>Valuation</strong></td>
<td>Value Stack rates</td>
<td>Value Stack rates</td>
</tr>
<tr>
<td><strong>Monetization</strong></td>
<td>Bill credits to Subscribers</td>
<td><strong>Partial</strong> bill credits to Subscribers + payment to CDG Sponsor</td>
</tr>
<tr>
<td><strong>Subscription cost recovery</strong></td>
<td>CDG Sponsor bills Subscribers</td>
<td><strong>Utility bills Subscriber as a % of the gross credit value</strong></td>
</tr>
</tbody>
</table>
CDG Net Crediting requirements

• Similar requirements as traditional CDG, plus:
  – Must execute a Net Crediting Agreement (contract) with the utility
  – Submit Net Crediting enrollment forms, including allocation & savings rate

<table>
<thead>
<tr>
<th>Con Edison Account Number</th>
<th>Con Edison Account Name</th>
<th>Allocation Percentage</th>
<th>Anchor Satellite</th>
</tr>
</thead>
<tbody>
<tr>
<td>850320671200012</td>
<td>ACME Headquarters</td>
<td>40.000%</td>
<td>X</td>
</tr>
<tr>
<td>850320672300003</td>
<td>ACME Warehouse</td>
<td>10.000%</td>
<td></td>
</tr>
<tr>
<td>941320323250082</td>
<td>Stark Labs</td>
<td>10.000%</td>
<td></td>
</tr>
<tr>
<td>155623447586120</td>
<td>Stark Midtown</td>
<td>10.000%</td>
<td></td>
</tr>
<tr>
<td>965201160228540</td>
<td>Stark Helipad</td>
<td>15.000%</td>
<td></td>
</tr>
<tr>
<td>923525630310500</td>
<td>Wonka Industries</td>
<td>15.000%</td>
<td></td>
</tr>
</tbody>
</table>

CDG Savings Rate: 10%

• CDG savings rate applies to all satellites, except for up to 1 anchor satellite
  – Provide ACH banking information
• See coned.com/dg, Guides & Specifications for enrollment documents
Customer Benefit Contribution (CBC) charge

- In July 2020, the PSC issued its “NEM Successor Order” which applies to all NYS utilities
- Primarily impacts residential & small-commercial Solar PV
- **New monthly charge for mass-market NEM-eligible DG customers** *beginning 1/1/2022*
- Surcharge recovers costs of public benefit programs, like Energy Efficiency, bill credits for low-income customers, and NYSERDA funding

<table>
<thead>
<tr>
<th>Install DG before 1/1/2022</th>
<th>Install DG on or after 1/1/2022</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eligible for NEM credits</td>
<td>Eligible for NEM credits</td>
</tr>
<tr>
<td></td>
<td>with a new non-bypassable “Customer Benefit Contribution” (CBC) monthly charge</td>
</tr>
</tbody>
</table>

- Additionally, NEM-eligible customers on TOU rates to receive monetary crediting
The CBC Charge is assessed in every month of a DG customer’s compensation (e.g., 20-year term for net-metered customers).

- $ per kW of DG size
- There are different CBC rates based on SC & rate, DG technology, and crediting mechanism
- A typical residential customer with Solar PV will have a $0.94/kW CBC rate for 2022
- CBC Rates are updated annually and will be posted on a statement found at coned.com/rates

kW-dc of DG nameplate capacity
- Only factor the NEM-eligible technology (e.g., solar PV DC panel ratings)
- Pairing Energy Storage with solar PV will not increase the CBC charge
Thank you

- Contact us at cdgdevelopers@coned.com