NYPAs Clean Energy Solutions Programs
The New York Power Authority in a nutshell

**History and Scope**
- Established in 1931 by act of the New York Legislature
- Began operating St. Lawrence-FDR Power Project in 1958; Robert Moses oversaw construction
- Funded through operating activities and private debt
- ~2,000 employees across New York State

**Assets**
- 1,400 circuit-miles of transmission lines
- Hydro and natural gas generation plants with combined boilerplate rating of almost 6 GW

**Impact**
- Sustain more than 400,000 jobs through economic development
- Invest over $250MM each year in efficiency projects
- Further clean energy and new electric system technology and development
Our Focus - Clean Energy Economy
Advancing the clean energy economy with our customers

1. **Advancing Technologies**
   - Supporting cleaner transportation
   - Energy Storage
   - Distributed Energy Resources

2. **Flexible Contracts & Tariffs**
   - Empowering Customers to make more informed energy choices
   - Making energy more affordable

3. **Digital Technology Implementation**
   - Helping clean energy innovation grow
   - Improving our existing initiatives and infrastructure
   - Building a more resilient energy system
Smart LED Street Lighting NY Program

Over **347,000**
LED Street Lights

More than **330**
Customers Statewide

Supporting **500,000**
Conversions by 2025

Energy & Maintenance
Bill Savings

Counties, Cities, Towns, Villages

40% GHG Reduction by 2030

EVolve NY Program

Up to **$250 MILLION**
Of Investments

Up to **200** DCFC 150 kW
Charging Stations

Supporting Over **2 MILLION**
PEVs by 2030

Acceleration of private
investments

Establishing DCFC
backbone-infrastructure

40% GHG Reduction by 2030

Existing DCFC stations (excl. Tesla)
BuildSmart NY Program

Achieve **20%** EUI Reduction by 2020

More than **90%** of State Buildings Sub-Metered

Over **200,000** Tons of Avoided Emissions in 2018

18.2% in 2018

95% Metered for Electricity

40% GHG Reduction by 2030

NY Energy Manager

Equipment Level Sub-Metering

Expert Advisory Services

Energy Management Platform

Acceleration of private investments

Strategies for individual facilities or building portfolios

Accessible through desktop and mobile devices
Energy Efficiency Program

$3 BILLION Invested

Over 2,300 projects implemented

More than $250 MILLION in annual savings

Providing nearly 1.2 MILLION tons in GHG Reduction

*$1.1 Billion in the past 5 years

The equivalent of removing over 200,000 cars off the road annually

Expanded Authority

400 MW Market Power

Finance 6 Large Scale Renewable projects > 25 MW

Finance Unlimited Renewable projects < 25 MW

Expanded Customer Base Across the State

Across the entire State

State Entities, Public Entities, CCA’s
Clean Energy Advisory Services Program

- **Over 200 MW** of Solar Projects
- More than **30 State Agency Customers**
- Working towards **70x30** renewable energy sources
- **Over 30 MW** of energy storage projects

**Largest Distributed Solar PV portfolio in NYS**

**ISO 55001 Certification**

**Digital Twin**

Central Command Center

- Asset Health - Predictive Analytics
- Communications & Network Management
- Mitigate Losses
- Increase Reliability

**Cyber Security**

**Mitigate Losses**

**Increase Reliability**

**Customers realize savings**

**iSOC & Agile**

**Largest Renewables project in NYC**
Our Mission

“Power the economic growth and competitiveness of New York State by providing customers with low cost, clean, reliable power and the innovative energy infrastructure and services they value”