

2-Year Anniversary Webinar: An Update on PURA's Equitable Modern Grid Initiative

Connecticut Public Utilities Regulatory Authority

October 14, 2021



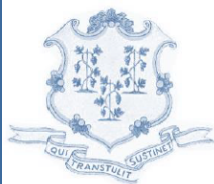
Agenda

- Vision for an Equitable Modern Grid (EMG)
- Energy + Technology Committee Leadership
- EMG Progress to Date
 - Statewide Storage Program
 - Statewide Electric Vehicle Charging Program
 - Other Milestones
- More to Come



Equitable Modern Grid Framework

On October 2, 2019 PURA released its
Framework for an Equitable Modern Grid
in Docket No. 17-12-03



STATE OF CONNECTICUT PUBLIC UTILITIES REGULATORY AUTHORITY

For Immediate Release

Connecticut Public Utilities Regulatory Authority Announces Landmark Equitable Modern Grid Framework

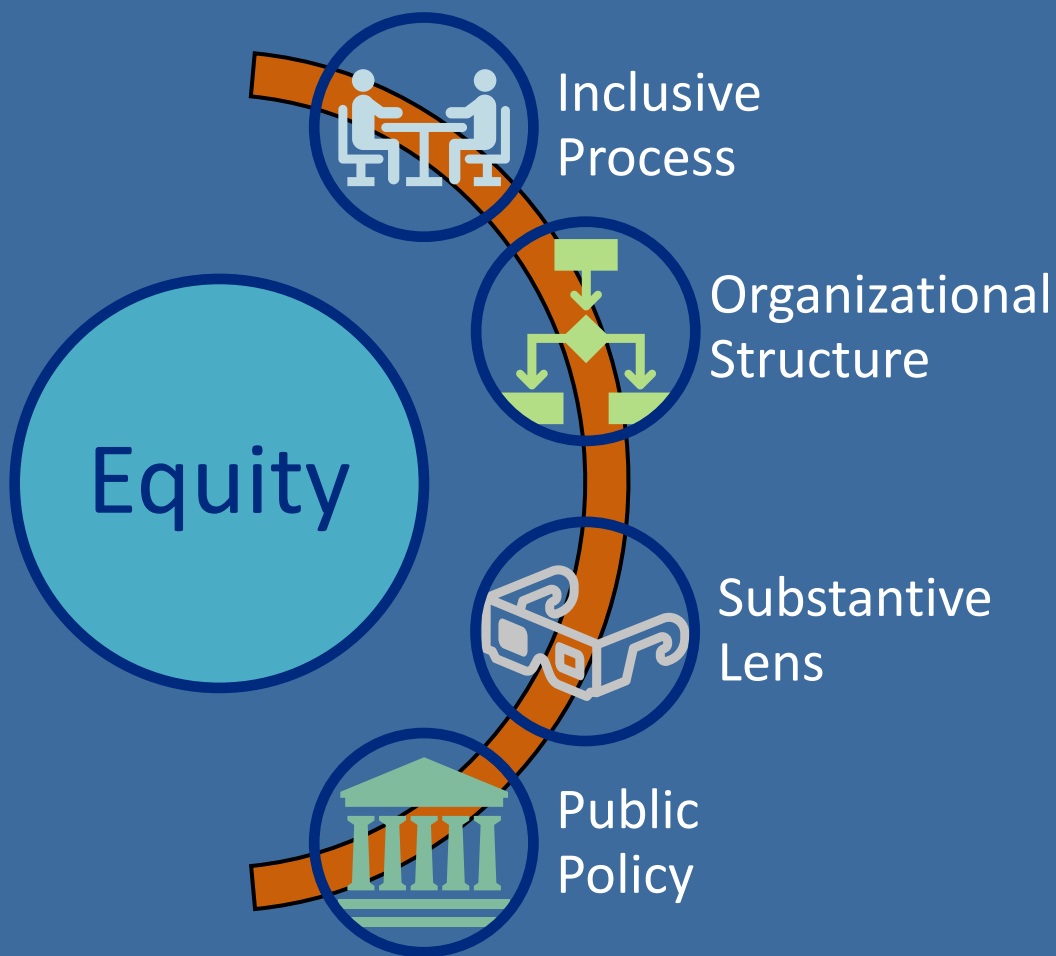
Decision expected to transform electric sector in the state

(New Britain, CT – October 3, 2019) – In a decision expected to have far-reaching implications for the state's electric sector and green economy, the Public Utilities Regulatory Authority (PURA or the Authority) voted yesterday to approve its plan to modernize the electric grid. The unanimous [decision](#) outlined PURA's vision for the next several years, including a framework for achieving an Equitable Modern Grid to benefit all Connecticut ratepayers. Next steps on the eleven near-term pathways identified by the decision begin this month, with all investigations targeted to realize four main objectives.



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New Approach to “Grid Mod”



How To Engage

- PURA [online calendar](#)
- Sign up for email alerts: [email notification system](#)
If you're having difficulties, follow these [troubleshooting tips](#)
- Provide comment during a public hearing
- Intervene in the docketed matter
- Email written comments: PURA.ExecutiveSecretary@ct.gov



Objectives of the Framework



E + T Committee Leadership



Rep. David Arconti
Co-Chair



Sen. Norm Needleman
Co-Chair



Framework Topics (17-12-03 “REOs”)



Energy Affordability



Advanced Metering Infrastructure



Electric Storage



Zero Emissions Vehicles



Innovation Pilots



Interconnection Standards



Framework Topics (17-12-03 “REOs”)



Non-Wires Alternatives



Resilience & Reliability Standards & Programs



Distributed Energy Resource Analysis & Program Review



New Rate Designs



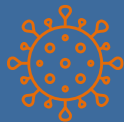
Related Topics



New Tariff Programs



Arrearage Forgiveness / Financial Assistance Programs



COVID Response



Emergency Planning + Response



Statewide Electric Storage Program



Electric Storage

Final Decision Issued July 28, 2021

- Established 9-year program beginning January 1, 2022
- Program targets support deployment of at least 580 MW
 - Supports State's goal to reach 1,000 MW by the end of 2030 – PA 21-53
- Storage systems will be compensated through two mechanisms:
 1. An upfront incentive administered by the CGB; and
 2. Performance-based incentives administered by the EDCs
- Upfront incentive cap - \$7,500 for residential; 50% installed cost C+I
- Program designed to deploy systems to maximize resilience benefits
 - Systems deployed on grid-edge, at critical facilities, replacing old genset, and for small businesses receive additional revenue stream from capacity rights
- Target to deploy 40% in LMI communities; LMI incentive adder
- New tariff effective January 1, 2022 for front-of-the-meter storage
- Cost-benefit positive; targeted marketing campaign authorized



Statewide EV Charging Program



Zero Emissions Vehicles

Final Decision Issued July 14, 2021

- Established 9-year program beginning January 1, 2022
- Program targets support 50% of the EVSE to meet the State goals
 - CT's ZEV MOU targets 125,000 – 150,000 EVs by 2025
 - Governor's Council on Climate Change analysis targets 500,000 EVs by 2030
- Electric Vehicle Supply Equipment (EVSE) Deployment Targets for:
 - Residential Single-Family Level 2 Charging
 - Residential Multi-Unit Dwelling (MUD) Level 2 Charging
 - Direct Current Fast Charging (DCFC)
 - Destination Level 2 Charging
 - Workplace & Light-Duty Fleet Charging
- Make-Ready Ownership Model
- Managed Charging and Rate Design Components
- Low- to Moderate-Income (LMI) Customer Electrified Mobility Study



Additional Progress

- **Interconnection Standards (17-12-03RE06)**
 - [Decision](#) stood up a Technical + Policy working groups
 - First motion from working groups ([#14](#))
- **AMI (17-12-03RE02)**
 - Issued [Straw Proposal](#) on August 17, 2021; Requested revised plans from EDCs by November 5, 2021
 - [Requested stakeholder comment](#) on cost recovery, customer benefits, etc. by November 5, 2021



Additional Progress

- **Arrearage Forgiveness Programs (21-07-01)**
 - [Decision](#) approved 2021-2022 program, incorporated RE01 Sprint findings/outcomes (see Appendix)
- **New Rate Designs (17-12-03RE11)**
 - [NEW small business rate](#) effective November 1, 2021
 - Investigation into low-income discount and economic development rates to start in 2022
- **Non-Wires Alternatives (17-12-03RE07)**
 - Issued [Straw Proposal](#) on July 30, 2021; received stakeholder comments on September 21, 2021
 - Held Technical Meeting to discuss both on October 5, 2021



Additional Progress

- **Innovation Pilot Framework (17-12-03RE05)**
 - Would create innovation ecosystem / Innovation Council; support green economy + future solutions
 - [Issued Final Straw](#) on July 23, 2021
 - Received stakeholder comments + EDC plans
 - [Final stakeholder workshop](#) October 25, 2021
- **Reliability + Resilience (17-12-03RE08)**
 - Interrelated with both EDC emergency preparedness and vegetation management; key stakeholder interest
 - Ex. non-traditional stakeholder engagement – [request for written comments](#) due November 10, 2021



More to Come

- **Performance-Based Regulation**
 - [Docket No. 21-05-15](#)
 - Authorized pursuant to [Public Act 20-5](#)
 - Finalizing staffing; procedural steps forthcoming
 - PURA envisions a multi-year; multifaceted stakeholder process
- **Why it matters**
 - Ensures that the utilities' incentives are aligned with the public interest, including public policy goals and improved outcomes for ratepayers



Questions?

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Appendix



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Energy Affordability Decisions

- **17-12-03RE01 Decisions + Procedural Orders:**
 - [Interim Decision, 12/18/2019](#)
 - [Procedural Order, 01/22/20](#)
 - [Interim Decision, 07/01/2020](#)
 - [Interim Decision, 12/02/2020](#)
 - [Interim Decision, 06/09/2021](#)

