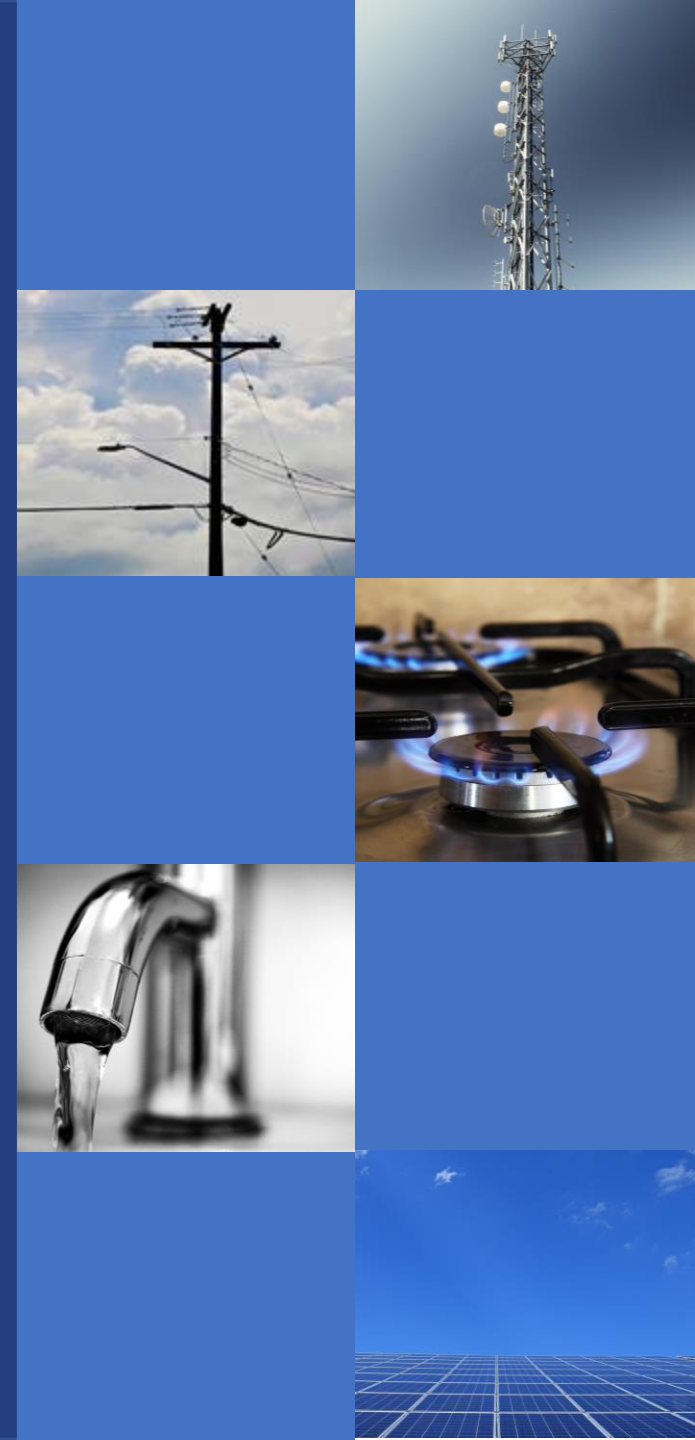




Connecticut Public Utilities
Regulatory Authority

Northeast Electric Vehicle Symposium

September 16, 2024



About PURA



Regulated Activities

- Distribution rates and other charges
- The provision of safe, adequate and reliable service
- The wholesale procurement of electricity
- The administration of renewable power contracts
- Emergency performance and incident response procedures
- The administration of utility poles
- Vegetation management practices
- Metering and billing accuracy
- Customer education and outreach
- Cost of /rates for water
- Mergers and acquisitions
- Water company land sales
- Water infrastructure and conservation adjustment mechanism
- Economic viability of small water system
- Sale of water company assets
- Rate design
- Revenue requirements



Activities Not Regulated

- Anything to do with the Internet or computer services
- Programming or channels carried by cable TV companies
- Rates charged or products offered by cable TV companies
- Solar Panel Installers or problems with solar panels after installation
- Billing and services for cell phones, smart phones, or mobile phones
- Heating oil companies
- Propane gas companies
- Municipal water and electric companies such as Wallingford Electric or Metropolitan District Commission
- DBS/satellite companies such as DirecTV or DISH Network
- Sewer charges including Water Pollution Control Authorities
- Yellow Pages Advertising
- Telephone equipment (such as PBX)
- Interstate telephone companies and rates
- False advertising claims
- Fraud claims
- Claims for damages no matter what the cause
- Interstate trucking
- Master antenna companies such as AMSAT



Meet the Commissioners



Chairman
Marissa P. Gillett



Vice-Chairman
John "Jack" Betkoski



Commissioner
Michael A. Caron



Interim Commissioner
David Arconti

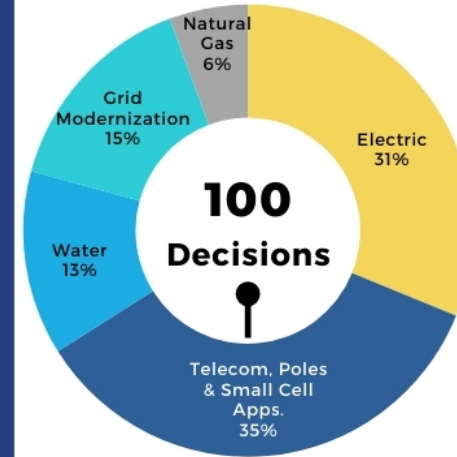


2023 By the Numbers

- 17,000 customer complaints and inquiries addressed
- 55 hearings, 38 opportunities for written comments, 5 public comment hearings
- 484 gas pipeline inspections; 828 Call Before You Dig (CBYD) inspections

2023 BY THE NUMBERS

Metrics and data tracking are essential tools to understanding trends and progress. The below are key quantitative statistics related to PURA's work product and other activities in 2023, included to help stakeholders better understand PURA's roles & responsibilities.



Stakeholder Engagement Efforts

- 38 opportunities for written comments
- 39 Technical Meetings
- 55 Hearings
- 5 Public Comment Hearings
- 20 PURA 101 [Workshops](#)
- 16,969 customer complaints addressed

72

Total Staff

Issued \$4.7M in Fines

Contains:

- 96 Final Decisions
- 2 Interim Decisions
- 1 Supplemental Decision
- 1 Declaratory Rulings

545 | 409

Dockets Opened | Dockets Closed

1,110

Motion Rulings

+362

Additional Licensing, Certification, and Submetering Application Decisions

Over 2,000

Total pages of analysis across decisions

Includes:

\$1.915M in Restitution
+
\$1M in Compliance
+
\$1.48M In payments to Operation Fuel

\$52.5k
EDCs

\$199k
Call Before You Dig

\$1.175M
Pipeline Safety

\$2.777M
Electric Suppliers

Transportation Electrification



Equitable Modern Grid Framework

- On October 2, 2019, PURA issued an Interim Decision in Docket 17-12-03 outlining the framework for realizing a modern electric grid in CT and the following objectives:
 1. Support, or remove barriers to, the growth of CT's green economy;
 2. Enable a cost-effective, economy-wide transition to a decarbonized future;
 3. Enhance customer access to a resilient, reliable, and secure commodity;
 4. Advance the ongoing energy affordability dialogue in the State; particularly for underserved communities.



Equitable Modern Grid (EMG) Initiative

PBR further advances the progress made under the *four objectives of PURA's Equitable Modern Grid Initiative*:

1. Support (or remove barriers to) the *growth of Connecticut's green economy*

2. Enable a cost-effective, economy-wide *transition to a decarbonized future*

3. Enhance customers access to a more *resilient, reliable, and secure* commodity

4. Advance the ongoing *energy affordability* dialogue in the State, *particularly in underserved communities*

The subsequent slides are organized primarily around the four EMG objectives.



Electric Vehicle Charging Program

- **CT Electric Vehicle (EV) Charging Program** is a 9-year program that provides incentives for electric vehicle (EV) supply equipment (EVSE) + rate design offerings for light-duty EVs
 - Launched on January 1, 2022
 - Administered by your electric utility company (Eversource and United Illuminating, or UI)
 - Incentives for L2 and DCFC chargers
 - Option to lease Level 2 chargers installed at MUDs
 - Managed charging programs for residential customers & fleet operators
 - Rate design offerings for DCFCs & fleets

EV Charging Program Deployment Targets

PROGRAM AREA	UTILITY	NUMBER OF PORTS (STATEWIDE)			TOTAL
		2022–2024	2025–2027	2028–2030	
Residential Single-Family (Level 2)	Eversource	12,000	14,000	14,000	40,000
	UI	3,000	3,500	3,500	10,000
	Total	15,000	17,500	17,500	50,000
Residential Multi-Unit Dwellings (Level 2)	Eversource	1940	N/A	N/A	N/A
	UI	486	N/A	N/A	N/A
	Total	2,426	To be revisited	To be revisited	To be revisited
DCFC	Eversource	247	138	138	386
	UI	54	34	34	95
	Total	301	172	172	550
Destination ² (Level 2)	Eversource	1,262	1,323	1,323	3,277
	UI	316	331	331	820
	Total	1,578	1,654	1,654	4,868
Workplace & Light-Duty Fleets (Level 2)	Eversource	1,851	2,017	2,017	5,885
	UI	463	504	504	1,471
	Total	2,314	2,521	2,521	7,356

Electric Vehicle Charging Program

EV Charging Program EVSE and Make-Ready Incentives

Program design and incentives focused on:

1. Enabling Connecticut to meet its commitment to the ZEV MOU;
2. Facilitating integration of new and emerging ZEV-related technologies;
3. Deploying and integrating ZEVs into Connecticut's electric grid; and
4. Achieving an equitable transition to wide-scale EV deployment across all Connecticut communities.

	Residential Single-Family (Level 2)	Multi-Unit Dwellings (Level 2)	Public Destination (Level 2)	Workplace & Light-Duty Fleets (Level 2)	DCFC
Incentive Structure					
EVSE and Make-Ready Incentives	Up to \$500 EVSE rebate + a portion of necessary electrical upgrades	Up to 50% of EVSE cost + Up to 100% make-ready installation (≥ 2 ports)		Up to 50% of EVSE cost + Up to 100% make-ready installation (≥ 4 ports)	Up to 50% of EVSE cost + Up to 100% make-ready installation (≥ 2 ports)
Maximum Incentive per Site (including make-ready costs covered by the Program)					
Baseline	-	\$20,000			\$150,000
Underserved Communities	-	\$40,000			\$250,000



Progress Towards Goals to Date (2022-2024)

Program Area	Eversource			UI		
	Goal	Installed	% of Goal*	Goal	Installed	% of Goal*
Residential Single Family	12,000	5,349	44.6%	3,000	527	17.6%
MUD	2,910	1,319	45.3%	729	206	28.3%
DCFC	357	98	27.5%	81	24	29.6%
Destination	1,262	690	54.7%	316	187	59.2%
Workplace & LD Fleets	1,851	683	36.9%	463	86	18.6%

**Incentives are paid out upon installation completion. This % does not include reserved incentives that have not yet been paid out.*

- **9,169 total ports deployed to date statewide**
- **31% in underserved communities**



Medium/Heavy-Duty Vehicle Electrification Investigations

- Dkt. No. 21-09-17: PURA Investigation into Medium & Heavy-Duty Electric Vehicle Charging
 - Objectives:
 1. Develop MHD ZEV electrification offerings that support the state's statutory requirements and the commitment to the MHD ZEV MOU, prioritizing use cases where available funding and regulatory mandates aim to accelerate adoption; and,
 2. Establish rate structure(s) and reporting metrics that facilitate the integration of existing, evolving, and emerging MHD ZEV-related technologies that encourage efficient grid utilization and flexibility, and balance ratepayer costs.
 - Next Step:
 1. [Technical Meeting](#) scheduled for October 22, 2024 to hear EDC proposals regarding rate designs, fleet eligibility, fleet advisory services, colocation with renewable energy and storage, cost containment, incentives, and more.
- Pilot Testing: Vehicle to Grid (V2G) Electric Buses
 - Innovative Energy Solutions "regulatory sandbox program" to test innovative solutions
 - Current project underway: GridEdge Networks V2G EV Fleet demonstration project with UI and ACES (private school bus operator)
 - Goal is to test a model of cooperation between the utility and EV fleet operator to potentially be brought to statewide scale.



Performance-Based Regulation (PBR)

- **Public Act 20-5:** Required PURA to research and consider financial, performance-based incentives, penalties, and metrics to use in regulating the EDCs
- **Docket No. 21-05-15:** PURA investigation into PBR, initiated on May 25, 2021.



What is Performance-Based Regulation?

Traditional Cost of Service

- **Cost Recovery** is based largely on amount of capital investment
- **Revenue Requirement:** What is collected in customer's rates for utility to earn reasonable return
- **Focus on capital expenditures** and operating expenses

Performance-Based Regulation

- **Modified Cost Recovery** is based on metrics and incentive structures that measure utility performance
- **Beyond revenue:** PBR helps set target revenues, metrics for policy goals, and incentives/disincentives
- **Focus on outcomes** and utility performance against metrics



PBR Phase 1 Decision – April 26, 2023

[See
Decision
Here](#)

- Established the foundational regulatory goals and priority outcomes that will result from PBR.
- Goals are rooted in traditional regulatory goals of safety, reliability and affordability, as well as EMG objectives.
- Outcomes are used as indicators of success in achieving the goals
- Outcomes will be measured using metrics established in Phase 2.

Goal 1: Excellent Operational Performance

- Business Operations & Investment Efficiency
- Comprehensive & Transparent System planning
- Distribution System Utilization
- Reliable and Resilience Electric Service

Goal 2: Public Policy Achievement

- Social Equity
- GHG Reduction

Goal 3: Customer Empowerment & Satisfaction

- Customer Empowerment
- Quality Customer Service

Goal 4: Reasonable, Equitable & Affordable Rates

- Affordable Service



PBR Phase 2 Ongoing Proceedings

21-05-15RE01 Revenue Adjustment Mechanisms

- Regulatory tools designed around a utility's revenue requirement aimed at better aligning the utility's financial incentives with regulatory principles or a desired outcome.
- Will culminate in guidance for future EDC rate cases

21-05-15RE02 Performance Mechanisms

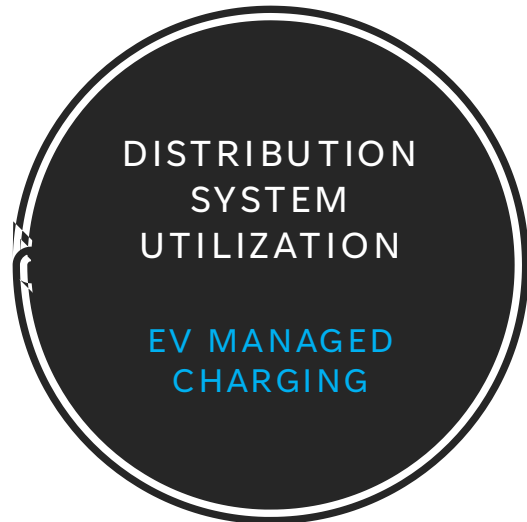
- Regulatory tools used to track, measure, and/or possibly incent EDC behavior through achievement of performance targets.
- Will establish scorecards for reported metrics to establish progress in meeting regulatory goals and outcomes

21-05-15RE03 Integrated Distribution System Planning

- Review and document existing distribution system planning practices.
- Will create a public and transparent IDSP process and reporting standards.



PBR Phase 2 – Driving Managed Charging



	EV Managed Charging Scorecard
Objective	Measure progress towards shifting charging load to off-peak hours
Mechanism Structure	Reporting of monthly data for two sub-metrics: 1. Percentage of EV managed charging occurring during off-peak hours; 2. Percentage of EV managed charging occurring at every hour of the day
Likely Data Inputs	Data obtained by EDCs from EVSE meters, vehicle telematics, and/or EVSE software
Target and/or Incentive-Setting Considerations	To be determined with Docket No. 17-12-03RE04 and Annual EV Charging Program Review (XX-08-06)

September 26, 2024: PURA will hold its next Technical Meeting to discuss PBR priority outcomes with a scorecard and a metric.



How to Engage with PURA



Provide comment during a public hearing



Submit written comments into the record by email:

PURA.ExecutiveSecretary@ct.gov



Intervene in the docketed matter



[Tutorial](#): Search for docket filings



How to Engage with PURA, Con't

- [Calendar of Events](#)

- Receive email updates for PURA proceedings:

Sign up through [PURA's email notification system](#).

CT.gov Home / Public Utilities Regulatory Authority / Make an Electronic Filing

Make An Electronic Filing

- [Confidential Materials](#)
- [Bonds and Letters of Credit / Notarization](#)
- [File a Public Comment](#)
- [Accommodations](#)

Effective March 2020, PURA is no longer requiring paper copies of documents filed electronically through the Web Filing System.

Registration

You must first [register here](#) to access the web-filing account management system and submit an electronic filing to PURA. From here you can create a new account, modify an existing account, or request forgotten log-in information.

- [Instructions: How to Register with the PURA Website](#)
- [Definitions](#)
- [Web Filing - Troubleshooting Tips](#)

Log-In

Existing users can [log-in here](#) to access the PURA web-filing system.

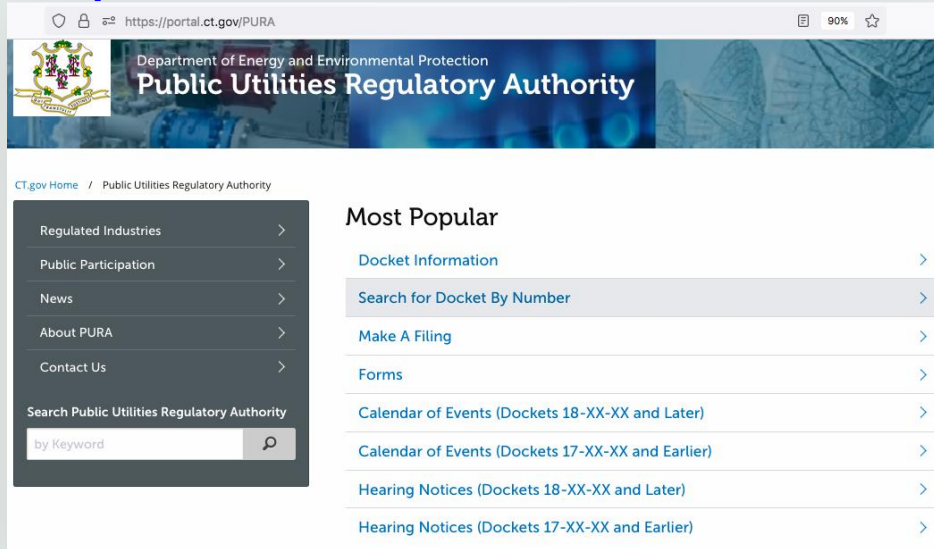
Notifications

Sign up for public notification emails here.



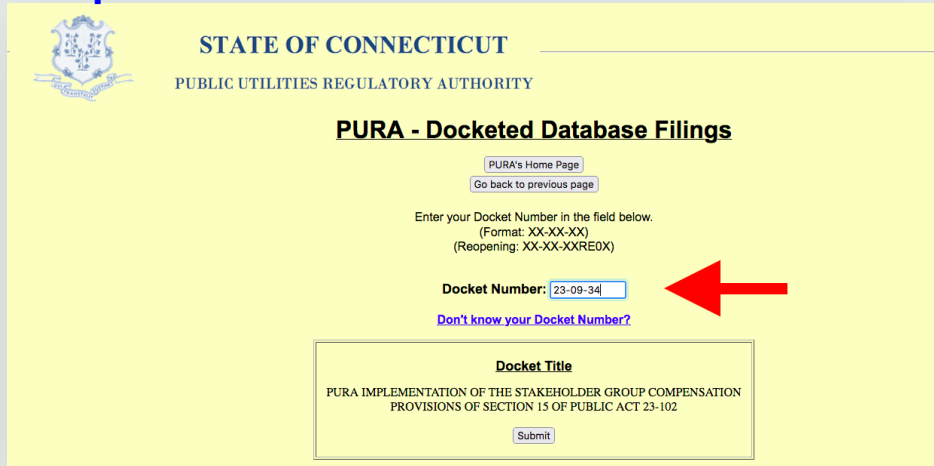
Accessing Dockets

Step 1



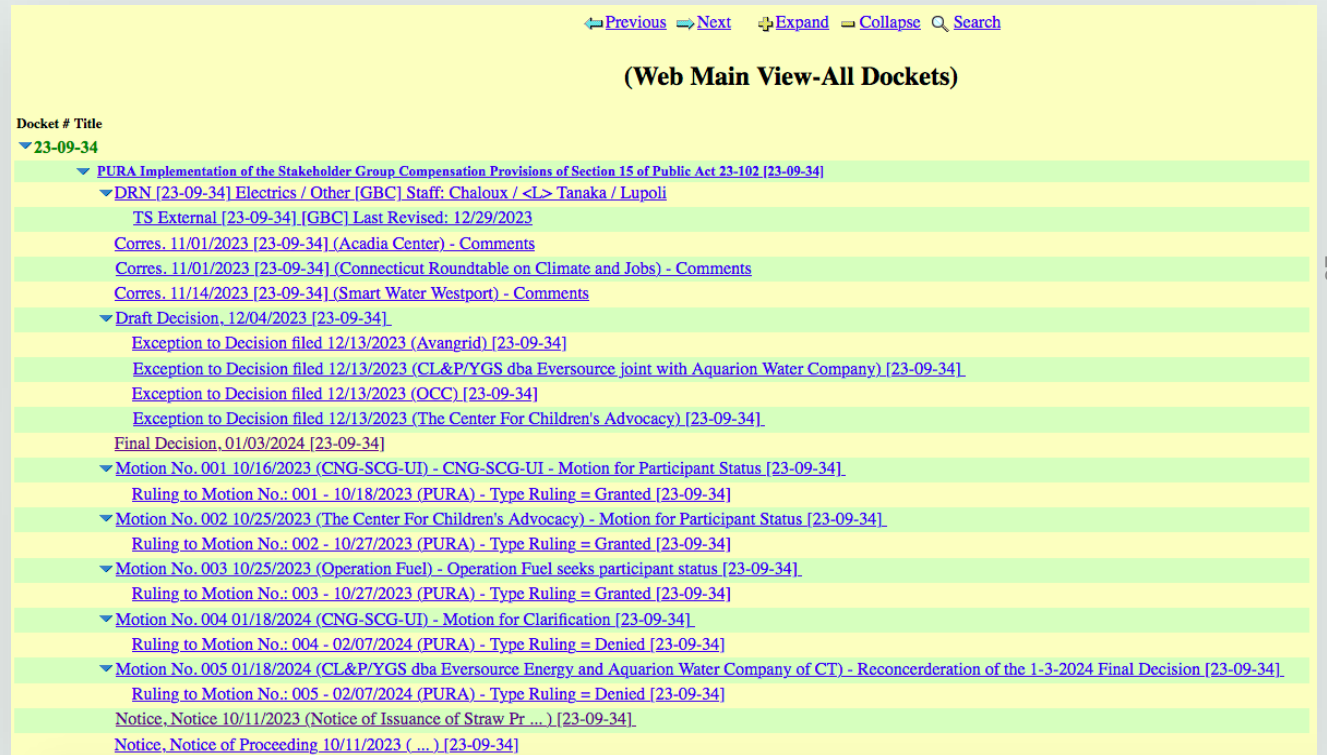
The screenshot shows the homepage of the Public Utilities Regulatory Authority (PURA). The header includes the state seal and the text "Department of Energy and Environmental Protection Public Utilities Regulatory Authority". A navigation menu on the left lists "Regulated Industries", "Public Participation", "News", "About PURA", and "Contact Us". A search bar is also present. The main content area features a "Most Popular" section with links to "Docket Information", "Search for Docket By Number", "Make A Filing", "Forms", "Calendar of Events (Dockets 18-XX-XX and Later)", "Calendar of Events (Dockets 17-XX-XX and Earlier)", "Hearing Notices (Dockets 18-XX-XX and Later)", and "Hearing Notices (Dockets 17-XX-XX and Earlier)".

Step 2



The screenshot shows the "PURA - Docketed Database Filings" page. It features the state seal and the text "STATE OF CONNECTICUT PUBLIC UTILITIES REGULATORY AUTHORITY". Below this, there are links for "PURA's Home Page" and "Go back to previous page". A form prompts the user to "Enter your Docket Number in the field below. (Format: XX-XX-XX) (Reopening: XX-XX-XXRE0X)". The "Docket Number" field contains "23-09-34" and is highlighted with a red arrow. Below the field is a link for "Don't know your Docket Number?". A "Docket Title" section displays "PURA IMPLEMENTATION OF THE STAKEHOLDER GROUP COMPENSATION PROVISIONS OF SECTION 15 OF PUBLIC ACT 23-102" with a "Submit" button.

Step 3



The screenshot shows a list of docket entries for "23-09-34". The page has navigation links for "Previous", "Next", "Expand", "Collapse", and "Search". The title is "(Web Main View-All Dockets)". The docket list includes:

- PURA Implementation of the Stakeholder Group Compensation Provisions of Section 15 of Public Act 23-102 [23-09-34]**
 - DRN [23-09-34] Electric / Other [GBC] Staff: Chaloux / <L> Tanaka / Lupoli**
 - [TS External \[23-09-34\] \[GBC\] Last Revised: 12/29/2023](#)
 - [Corres. 11/01/2023 \[23-09-34\] \(Acadia Center\) - Comments](#)
 - [Corres. 11/01/2023 \[23-09-34\] \(Connecticut Roundtable on Climate and Jobs\) - Comments](#)
 - [Corres. 11/14/2023 \[23-09-34\] \(Smart Water Westport\) - Comments](#)
 - Draft Decision, 12/04/2023 [23-09-34]**
 - [Exception to Decision filed 12/13/2023 \(Avangrid\) \[23-09-34\]](#)
 - [Exception to Decision filed 12/13/2023 \(CL&P/YGS dba Eversource joint with Aquarion Water Company\) \[23-09-34\]](#)
 - [Exception to Decision filed 12/13/2023 \(OCC\) \[23-09-34\]](#)
 - [Exception to Decision filed 12/13/2023 \(The Center For Children's Advocacy\) \[23-09-34\]](#)
 - [Final Decision, 01/03/2024 \[23-09-34\]](#)
 - Motion No. 001 10/16/2023 (CNG-SCG-UI) - CNG-SCG-UI - Motion for Participant Status [23-09-34]**
 - [Ruling to Motion No.: 001 - 10/18/2023 \(PURA\) - Type Ruling = Granted \[23-09-34\]](#)
 - Motion No. 002 10/25/2023 (The Center For Children's Advocacy) - Motion for Participant Status [23-09-34]**
 - [Ruling to Motion No.: 002 - 10/27/2023 \(PURA\) - Type Ruling = Granted \[23-09-34\]](#)
 - Motion No. 003 10/25/2023 (Operation Fuel) - Operation Fuel seeks participant status [23-09-34]**
 - [Ruling to Motion No.: 003 - 10/27/2023 \(PURA\) - Type Ruling = Granted \[23-09-34\]](#)
 - Motion No. 004 01/18/2024 (CNG-SCG-UI) - Motion for Clarification [23-09-34]**
 - [Ruling to Motion No.: 004 - 02/07/2024 \(PURA\) - Type Ruling = Denied \[23-09-34\]](#)
 - Motion No. 005 01/18/2024 (CL&P/YGS dba Eversource Energy and Aquarion Water Company of CT) - Reconcerderation of the 1-3-2024 Final Decision [23-09-34]**
 - [Ruling to Motion No.: 005 - 02/07/2024 \(PURA\) - Type Ruling = Denied \[23-09-34\]](#)
 - [Notice, Notice 10/11/2023 \(Notice of Issuance of Straw Pr ...\) \[23-09-34\]](#)
 - [Notice, Notice of Proceeding 10/11/2023 \(... \) \[23-09-34\]](#)

Stakeholder Compensation Program

Public Act 23-102 directed PURA to establish a process for compensating eligible stakeholder groups for participation in certain PURA proceedings

- Authorized up to \$1.2M per year
 - \$300k limit per proceeding
 - \$100k limit per stakeholder group
 - Eligible groups include
 - Those representing customers in EJ communities;
 - Hardship customers; or
 - Small business customers;
 - Non-profits representing any of the above.
- Beginning January 3, 2024, stakeholders may apply; see the docket's Notice of Proceeding for details
- More information on [PURA's dedicated website](#)



Questions?

Contact

Taren O'Connor

Director of Legislation, Regulations and Communications

860-827-2689



Appendix

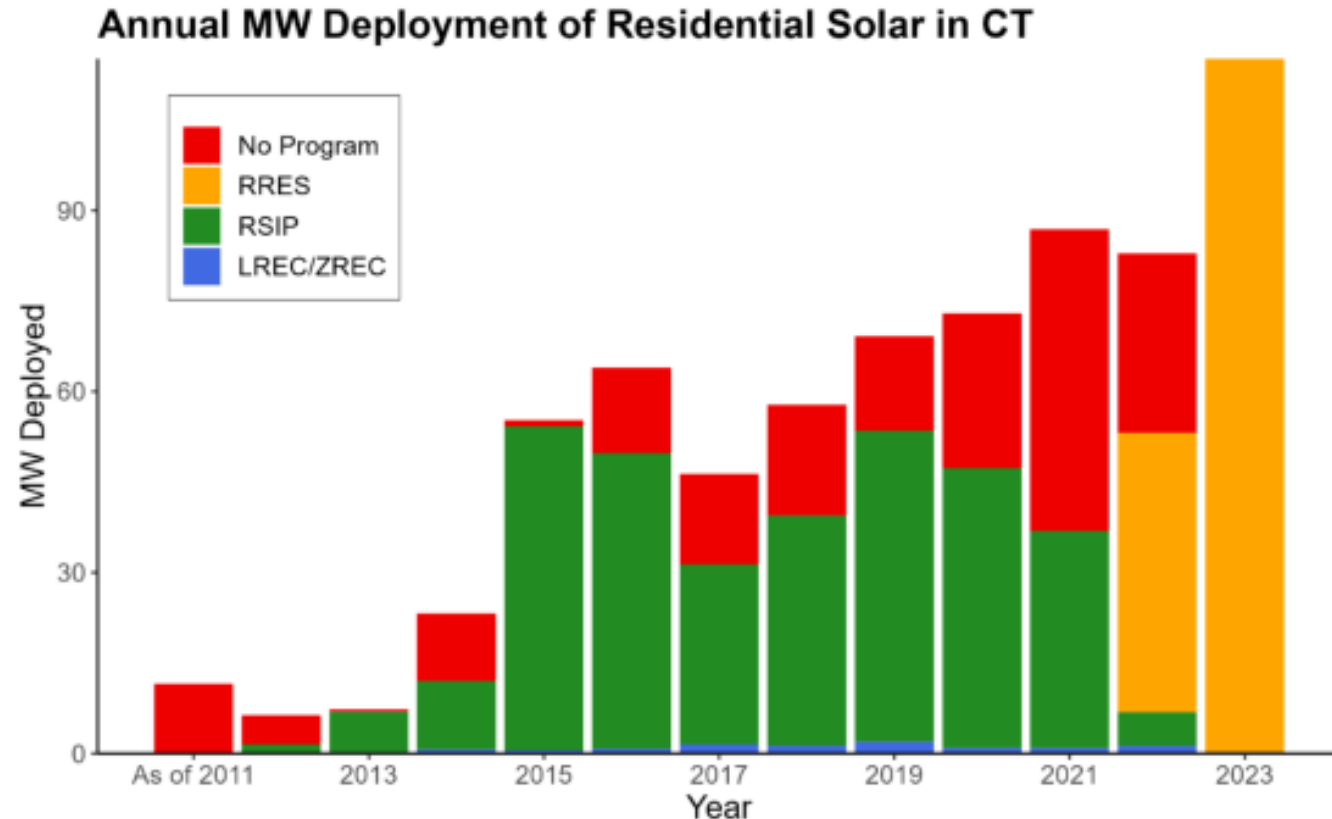


2023 CRE Report Spotlight: RRES Program

RRES Deployment: January 2022–October 2023		
	Total # Projects Deployed	Total kW Deployed
Eversource	18,157	146,433
UI	2,768	19,445
Total	20,925	165,878

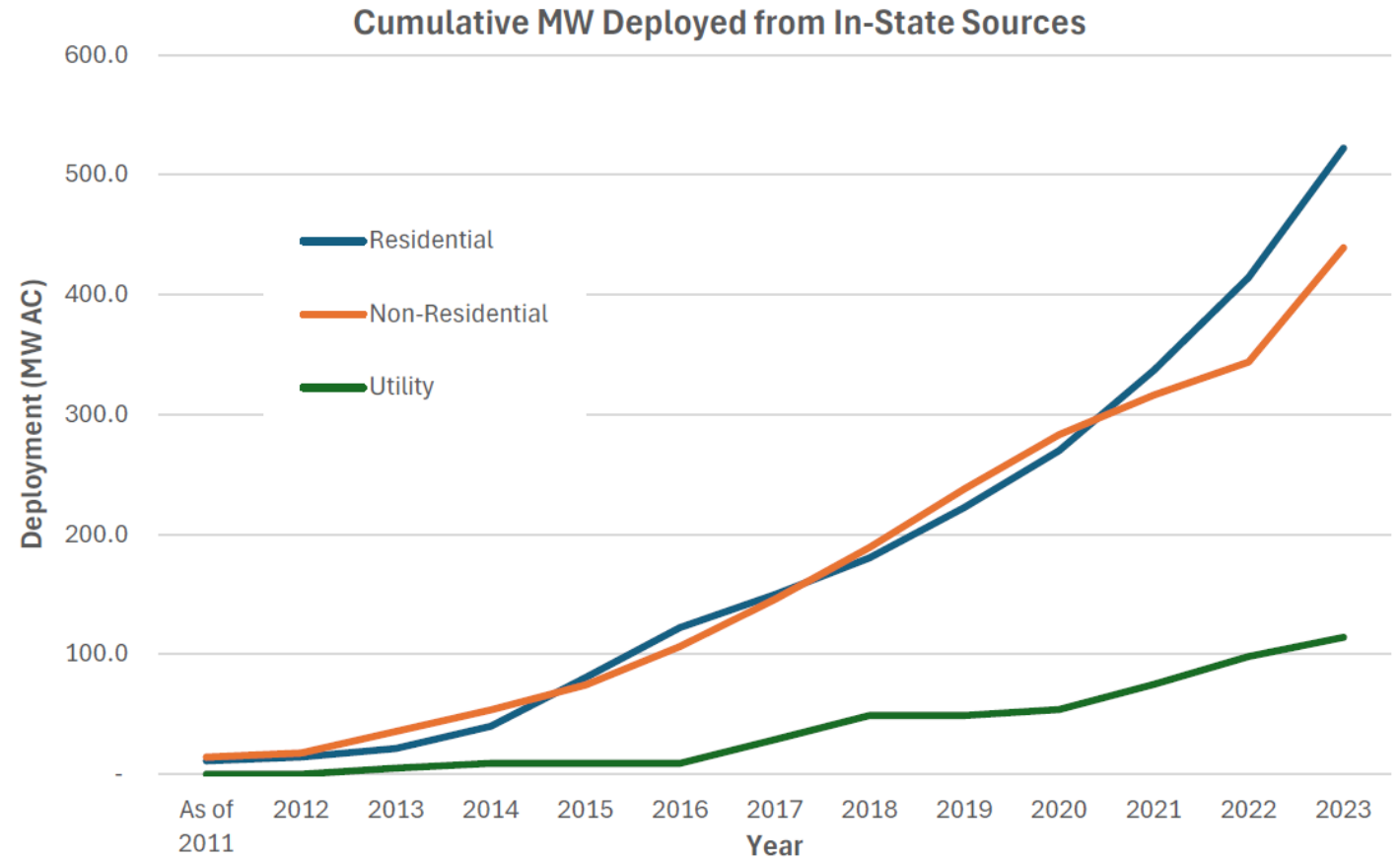
RRES deployment has generally exceeded historical residential solar deployment of 50–60 MW per year.

2023 saw highest annual residential solar deployment to date, with 14,527 projects and 115,706 kW installed Jan. – Oct. 2023.



2023 CRE Report Spotlight: Solar Deployment (Current + Legacy Programs)

Year	In-State Solar PV Deployment (MW _{AC})
As of 2011	25.4
2012	6.8
2013	29.7
2014	40.8
2015	61.2
2016	74.0
2017	86.7
2018	93.7
2019	91.0
2020	97.5
2021	121.2
2022	128.1
2023	219.1



Docket No. 17-12-03RE02

Advanced Metering Infrastructure (AMI)

[See Decision Here](#)

	UI	Eversource
Current Status	<ul style="list-style-type: none"> 90% of customers have AMI meters Active operational benefits 	<ul style="list-style-type: none"> 75% of customers have standard meters that are 20+ years old 25% have “bridge meters”
Next Steps	<ul style="list-style-type: none"> Finalize AMR meter replacement 	<ul style="list-style-type: none"> Deploy AMI meters Update communications systems Update back-office systems Update meter data management systems Update customer information systems
Obstacle	A clear framework for future AMI deployment investments that ensures prudence and reduces ratepayer risk	



Docket No. 17-12-03RE02

Advanced Metering Infrastructure (AMI)

[See Decision Here](#)

17-12-03RE02 AMI Deployment Framework for Connecticut

- PURA's January 3, 2024 Decision in Docket No. 17-12-03RE02 a framework to deploy AMI that protects ratepayers, and ensures that AMI investment will advance CT's economic, energy and environmental policy goals.
 - Included:
 - Relevant & necessary costs/investments;
 - Comprehensive list of benefits
 - Metrics for reporting throughout deployment of AMI

PBR Goals

Excellent
Operational
Performance

Customer
Empowerment
& Satisfaction

AMI Benefits & Costs

AMI Benefits that make operations more efficient, improve system utilization, and increase customer engagement

Investments necessary to enable AMI benefits

AMI Scorecard

Specific benefit metrics to measure benefits during deployment

Specific cost metrics to measure benefits during deployment



Docket No. 17-12-03RE02

Advanced Metering Infrastructure (AMI)

[See
Decision
Here](#)

Next Steps:

- Each EDC to submit a Final AMI Plan that includes:
 - Information tied to the AMI benefits and costs;
 - Implementation and deployment plans;
 - A BCA using PURA-approved design;
 - Demonstrated evidence of competitive procurements of AMI components that maximize value to ratepayers;
 - Updated proposal for TOU rates; and
 - A Customer outreach and engagement plan.
- EDCs also directed to pursue federal funding opportunities
- Docket No. 17-10-R6RE04, Application of the Connecticut Light and Power Company d/b/a Eversource Energy to Amend its Rate Schedules – AMI Cost Recovery
 - Contested proceeding to consider the development and adoption of an AMI cost-recovery tracker

