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New Initiatives

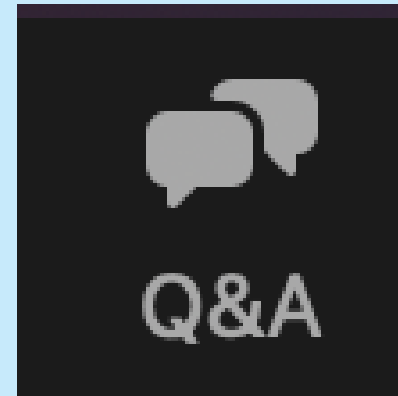
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We look forward to hearing from you

Please put all your questions into the questions section with this icon.



Empowering Connecticut to Make Smart Energy Choices



Eversource, Avangrid, Inc. subsidiaries CNG, SCG and UI, the Energy Efficiency Board, Connecticut Green Bank, and the State have united on a shared mission - to provide Connecticut residents and businesses the resources they need to **save money and use clean energy**.

The Energize Connecticut initiative empowers our communities to make smart energy choices, now and in the future.



Agenda

Deep Energy Retrofits



Controlled Environment Agriculture



Water and Wastewater Treatment



K-12 Schools



Environmental Justice Communities





Deep Energy Retrofits (DER)

What is a DER?

- Comprehensive, multi-measure
- “Deep” reduction in energy/GHG
- Typically, multi-year timelines



Prerequisites



- All C&I customers
- 2 years of data
- No MR/NC/change of use



- ENERGY STAR® Portfolio Manager
- Assistance available



Demonstrated commitment to energy reduction
(i.e. corporate policies and goals, environmental pledges)

Requirements

- Must include at least two measures with substantial impact on building energy use
- One measure cannot account for more than 90%
- ECMs should be completed within 5 years

Pathway 1 – EUI

- 40% reduction of site EUI

Pathway 2 – GHG

- 75% reduction of operational GHG emissions

Incentives

- **Scoping Study**
 - High-level energy/GHG analysis
 - 100% up to \$5k
- **Technical Assistance**
 - Up to two TA studies
 - Each 50% up to \$100k
- **Standard Incentives**
- **DER Adder**
 - \$2 / SF of project space
 - Phased payout
 - Not to exceed 75% of project cost





Controlled Environment Agriculture (CEA)

What is Controlled Environment Agriculture?

- CEA includes indoor farms, vertical farms, and greenhouses
- CEA consumes significant energy for lighting, HVAC, and water management
- Energy efficiency is critical for cost reduction and sustainability



CEA Opportunities



- LED upgrades
- Lighting properties
- HVAC interaction



- Dehumidification and ventilation
- Heat recovery
- Water management



- Scheduling
- Varying setpoints based on plant needs
- Real-time monitoring



Water and Wastewater Treatment Plants

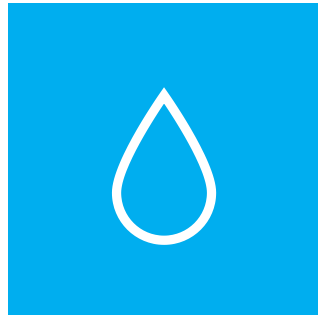
Why Wastewater?

- Often the largest energy user for a municipality
- In 2024, over 440M kWh used to power these facilities in CT
- Energy efficiency is often a second thought
- Generally oversized
- Required for municipalities, as well as many industrial customers

Make sure to do your research and work with a qualified engineer on these projects



Wastewater Facility Opportunities



Pumps

Used throughout process and range from 5HP to 100+HP



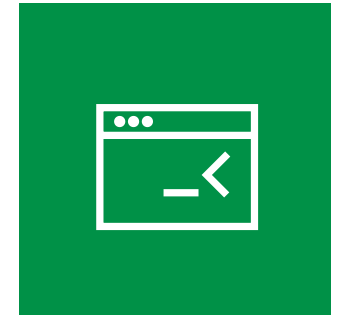
Blowers

Used in process for aeration in several stages of waste processing



UV Disinfection

Utilized by most facilities from April to October to maintain output within limits.



Controls

Used to manage everything from process to HVAC and beyond



K-12 Schools

Why K-12 Schools?

- High energy consumers
- Predictable schedules
- Low-use periods for more invasive measures
- Cost conscious customers
- Comprehensive across schools



K-12 Opportunities



Heat Pumps

- Good fit
- Challenge: cost
- Financing available



Ventilation

- IAQ inspections and evaluations
- Demand Control Ventilation
- Heat recovery



Scheduling

- Daily / weekly
- EMS – OSS, OA reset



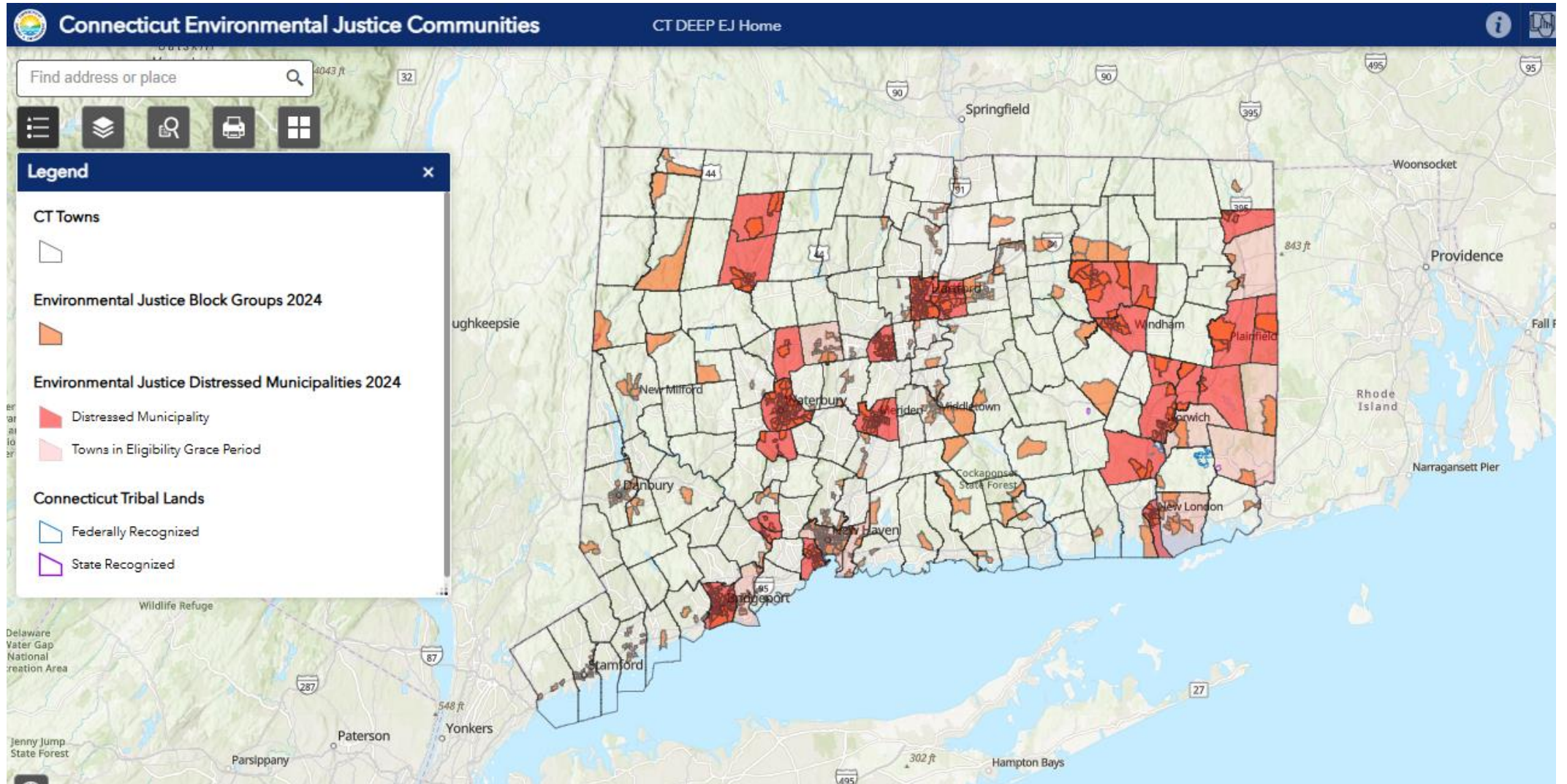
Environmental Justice Communities (EJC)

Key Changes

- Updates to list of qualifying municipalities
- Transition from Distressed Municipalities to Environmental Justice Blocks
- Online tool provides searchable map

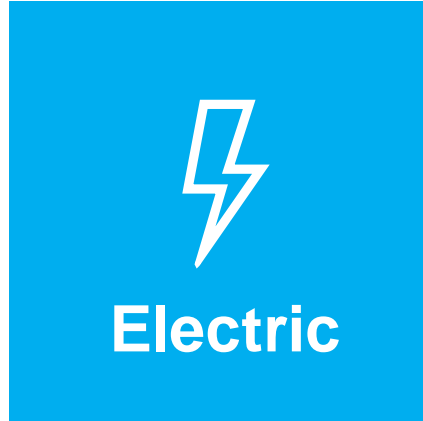


DEEP EJC Tool



<https://ctdeep.maps.arcgis.com/apps/webappviewer/index.html?id=d04ec429d0a4477b9526689dc7809ffe>

EJC Enhanced Incentives



\$0.10/kWh, or
10% to cost cap

\$50k max



\$2/ccf, or Up to
90% of project cost

\$50k max



In addition to standard
incentives, potential
for up to \$100k adder



Questions