



Empowering you to make
smart energy choices

It's More Than Just Energy!

CT Department of Energy and Environmental Protection

Energy Efficiency Investments Mean Healthier People and Buildings

- Reducing energy use is a cost-effective solution to reduce operating costs while maintaining quality of services
- Reducing water use and reducing materials waste increases sustainability of businesses and resources
- Energy efficient equipment means better air quality outdoors and inside your facility

CT's Focus on Sustainability: Environmental and Economic Goals

- Improves businesses competitiveness through focus on bottom line
- Reduces energy consumption
- Advances renewable energy production
- Manages resources responsibly

Protect the Environment and Protect Your Money: Examples

- ❑ Negotiate contracts with waste hauler to have more recycling options (Food Grease, Food Waste, unit-based pricing)
- ❑ Composting (less solid waste and more compost for landscaping)
- ❑ Sustainable and Green Products (Post-Consumer Products, SFI products, Green Seal, Energy Star, Fair Trade)
- ❑ Assess energy consumption and invest in efficient equipment
- ❑ Renewable Energy (Solar, Geothermal, Anaerobic Digesters, CHP, Microgrids)

Example: Sustainable Water Management

Water Conservation is Energy Conservation

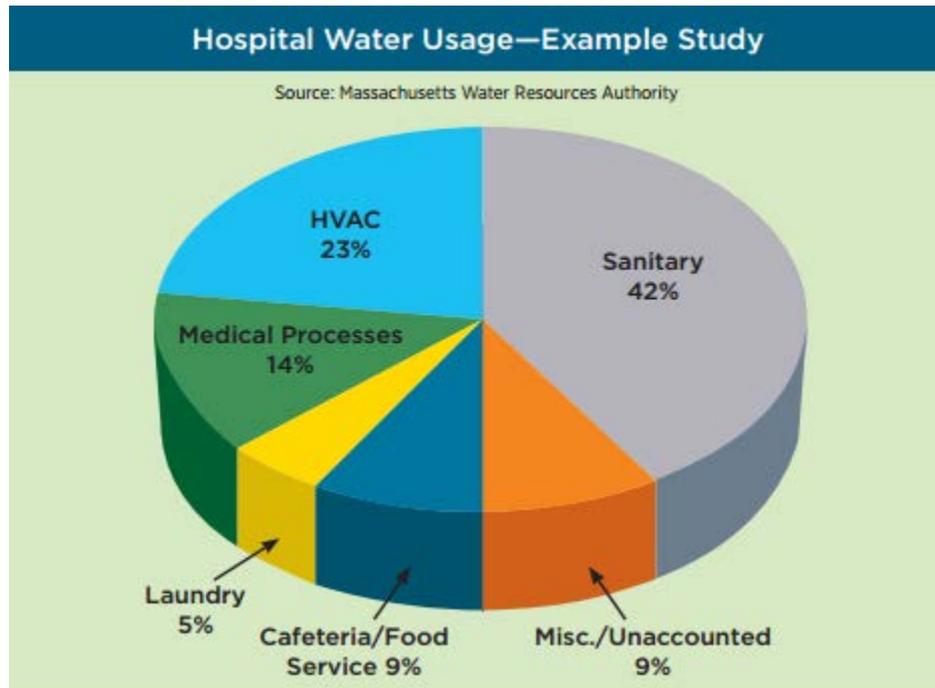
“Nationally drinking water and wastewater systems account for 3 to 4 percent of the nations energy use. This is equivalent to 56 billion kilowatt hours (kWh) annually, and the generation of almost 45 million tons of greenhouse gases (GHG).”

- U.S. Environmental Protection Agency

“Running the hot water faucet for 5 minutes uses about the same amount of energy as burning a 60-watt bulb for 14 hours.”

- U.S. Environmental Protection Agency

Typical Water Uses In A Healthcare Facility



Water Saving Information: EPA WaterSense

About Us Products Outdoor New Homes Commercial Our Water Partners

WaterSense® An EPA Partnership Program

Product Search | Meet Our Partners | Contact Us | FAQ | Partner Login

WaterSense / Commercial

Commercial

Commercial and institutional users of water include a wide range of businesses and organizations. Facilities such as schools, hotels, retail stores, office buildings, and hospitals account for up to 17% of publicly-supplied water use and 18% of energy use in the United States. Reducing water use by adopting and promoting water-efficient products, services, and practices in these facilities can have a great impact in helping to meet challenges faced by communities to meet water demands, save energy, and reduce stress on our natural resources. Start saving water and energy now by taking action:

- Learn more about water use in different types of commercial buildings like hotels, hospitals, office buildings, schools, and restaurants.
- Consider installing WaterSense labeled products in your building.
- Find strategies to better manage your facility's water use through planning, metering, and leak detection.
- Explore best management practices to improve your building's performance.
- Discover other resources to assist commercial buildings and federal facilities reduce their water use and review case studies of successful water efficiency efforts.
- Learn what ENERGY STAR has available to help buildings track water and energy use and get recognized for energy and water savings.
- Follow WaterSense as it builds its program to support commercial and institutional facilities.

BATTLE OF THE BUILDINGS TEAM CHALLENGE
EPA's NATIONAL BUILDING COMPETITION

Share

Facility Types

- > Office Buildings
- > Hospitals
- > Hotels
- > Restaurants
- > Educational
- > Industrial
- > H2Otel Challenge
- > Managing Water
- > Best Management Practices
- > Resources
 - > Case Studies
 - > Federal Facilities
 - > ENERGY STAR
 - > WaterSense CI Efforts

LOOKING FOR SOMETHING A BIT MORE TECHNICAL?

Click here if you are part of the media, an educator, manufacturer, professional or promotional partner.

Sustainable Materials Management Information

DEEP webpage: Reduce, Reuse, Recycle

Reduce  Reuse  Recycle



*"Unless someone like you cares a whole awful lot,
Nothing is going to get better. It's not."
~ Dr. Seuss, from The Lorax*

In 2010 we recycled and composted about 26% of our waste in Connecticut. That rate might seem impressive; however, it has remained relatively flat over the past decade. Connecticut still disposes of 2.4 million tons of trash annually, an estimated 1,370 pounds of trash per person per year. That's too much! We not only can do better, we must do better by [transforming solid waste management](#) into a materials economy that can create [jobs through recycling](#).

Learn more about how we manage our waste in Connecticut and how to help us move toward our vision for even more waste reduction, reuse and recycling, by using the navigation links on the left and in the sections below. Specific information on local recycling programs and locations is available through your [municipal recycling coordinator](#). DEEP's "[What Do I Do With...?](#)" webpage may help CT residents decide how to recycle or dispose of that not-so-common item.

Learn about CT's new [Paint Recycling](#) program.



Recycle your computers and TVs at [these locations](#).



[Waste Reduction](#)



[Reuse](#)



[Recycling](#)



[Composting & Organics Recycling](#)



[Event Recycling](#)



[Electronic Waste](#)



[Construction & Demolition](#)



[Household Hazardous Waste](#)



[Frequently Asked Questions](#)



[Laws and Regulations](#)

Renewable Energy General Information

The screenshot displays the website for energize CT, featuring a navigation menu with categories like RESIDENTS, BUSINESSES, NONPROFITS, GOVERNMENT & MUNICIPALITIES, COMMUNITIES, Smart Energy Resources, and Choose Your Electric Supplier. The main content area is titled 'Smart Energy Resources' and includes a sub-header 'Take Action for Your Energy Future'. Below this, there are three featured articles: 'Energy 101', 'Energy Assistance', and 'Glossary'. To the right, there are two additional sections: 'CT Power Update' and 'Thinking about Natural Gas?'. The website also includes a search bar and social media icons.

energize CT
CONNECTICUT

Empowering you to make smart energy choices

ABOUT / NEWS & EVENTS / CONTACT

RESIDENTS BUSINESSSES NONPROFITS GOVERNMENT & MUNICIPALITIES COMMUNITIES Smart Energy Resources Choose Your Electric Supplier

Home / Smart Energy Resources

Smart Energy Resources

Take Action for Your Energy Future

Energy impacts our everyday lives in a million obvious and subtle ways. Our Smart Energy Resources will help you learn more about the power of energy efficiency and renewable energy. Did you know that electricity demand and Connecticut's air quality are related? Do you know the difference between kWhs, Btus or therms? We have information to help answer your energy-related questions.

- Energy 101**
Welcome to class! Learn about *energy efficient technology* and *renewable resources* to take charge of your energy future.
- Energy Assistance**
Need help with your *energy bills*? There may be a Connecticut program able to help. Visit our Energy Assistance page to learn more.
- Glossary**
The energy world has its own lingo. Our *glossary* is the place to refine and enhance your energy vocabulary.

CT Power Update
See the latest information on electricity demand in Connecticut and important air quality information.
[Find out now»](#)

Thinking about Natural Gas?
Switching to natural gas may be a more affordable option for Connecticut residents and businesses. Visit our Natural Gas Conversion page to see if it makes sense for you.
[Learn more»](#)

Questions? [Contact us](#) or call 877-WISE-USE (877-947-3873).

Renewable Spotlight: Anaerobic Digestion

The screenshot shows the Energize Connecticut website. The header includes the logo, the tagline "Empowering you to make smart energy choices", and navigation links for "ABOUT / NEWS & EVENTS / CONTACT". A secondary navigation bar lists "RESIDENTS", "BUSINESSES", "NONPROFITS", "GOVERNMENT & MUNICIPALITIES", "COMMUNITIES", "Smart Energy Resources", and "Choose Your Electric Supplier!". The main content area features a breadcrumb trail "Home / Nonprofits / Programs / Anaerobic Digestion Projects", a "NONPROFITS" category tag, and a large heading "PROGRAMS: Anaerobic Digestion Projects". A blue button labeled "VIEW ALL PROGRAMS" is visible. Below the heading is the section "Harvest the Power in Your Facility" with a sub-heading "Manage waste and generate renewable energy". The text describes the anaerobic digestion process and the On-Site Anaerobic Digestion Pilot Program, mentioning the Clean Energy Finance and Investment Authority (CEFIA) and the \$450/kilowatt funding limit.

energize CONNECTICUT Empowering you to make smart energy choices

ABOUT / NEWS & EVENTS / CONTACT

RESIDENTS BUSINESSSES **NONPROFITS** GOVERNMENT & MUNICIPALITIES COMMUNITIES Smart Energy Resources Choose Your Electric Supplier!

Home / Nonprofits / Programs / Anaerobic Digestion Projects

NONPROFITS

Options for:
[Select Your Group...]

PROGRAMS
SOLUTIONS
SMART ENERGY TIPS
FORMS & HELPFUL DOCUMENTS
FIND A PROFESSIONAL
SUCCESS STORIES
FAQ
CHOOSE YOUR SUPPLIER

PROGRAMS:
Anaerobic Digestion Projects

VIEW ALL PROGRAMS

Harvest the Power in Your Facility

Does your commercial, industrial or institutional facility have a high power load or generate large volumes of organic matter? If so, it's worth exploring On-Site Anaerobic Digester technologies. You could be eligible for a grant, loan or power purchase incentive to offset the cost of investing in equipment to harness the power of this clean, renewable energy technology.

PROGRAM OVERVIEW HOW IT WORKS WHO IS ELIGIBLE

Manage waste and generate renewable energy

Through the anaerobic digestion process, microorganisms break down biodegradable material in the absence of oxygen. Anaerobic digestion can serve the dual purpose of managing waste and generating renewable energy that can help replace fossil fuels.

If your facility generates large volumes of organic waste, consider applying to participate in the On-Site Anaerobic Digestion Pilot Program. The Clean Energy Finance and Investment Authority (CEFIA) will issue annual solicitations seeking applications for grants, loans or power purchase incentives to help finance the cost of anaerobic digestion equipment for energy generating projects. Projects must be in the development phase and cannot already be under construction.

Individual awards are not a fixed amount based on size or cost and will vary based on the specific technology, efficiency and economics of the installation. However, funding will not exceed the equivalent of \$450/kilowatt generated. Financial support is intended to help you achieve a fair and reasonable payback and return on investment during the life of the project compared to purchasing the equivalent amount of power from your utility.

Renewable Spotlight: Microgrids & CHP

The screenshot shows the website for energize CONNECTICUT. The header includes the logo and tagline "Empowering you to make smart energy choices". Navigation links include ABOUT / NEWS & EVENTS / CONTACT, and a search bar. A secondary navigation bar lists RESIDENTS, BUSINESSES, NONPROFITS (highlighted), GOVERNMENT & MUNICIPALITIES, COMMUNITIES, Smart Energy Resources, and Choose Your Electric Supplier. The breadcrumb trail reads: Home / Nonprofits / Programs / DEEP-Sponsored Granted Financial Incentives and Low-Interest Loans. On the left, there is a "NONPROFITS" category image and a dropdown menu for "Options for: Select Your Group...". Below this is a list of program links: PROGRAMS, SOLUTIONS, SMART ENERGY TIPS, FORMS & HELPFUL DOCUMENTS, FIND A PROFESSIONAL, SUCCESS STORIES, FAQ, and CHOOSE YOUR SUPPLIER. The main content area features a large heading: "PROGRAMS: DEEP-Sponsored Granted Financial Incentives and Low-Interest Loans" with a green abstract image to the right. Below the heading is a blue button that says "VIEW ALL PROGRAMS»". The text describes the program: "Reduce operating costs with a combined heat and power system. Financial incentives and low-interest loans, sponsored by the Connecticut Department of Energy and Environmental Protection (DEEP), can make it a cost-effective investment. Capital grants of \$200 per kilowatt are available for qualifying projects of one megawatt or less in CL&P or UI's service territory. To qualify, a project must reduce energy costs by an amount equal to or greater than the project's installation cost within 10 years of its installation." A "Program Overview" section follows, detailing the program's goals and providing a link for more information: "Click here for more information on the DEEP Microgrid Grant and Loan Pilot program." The page concludes with contact information for Gail Lucchina at gail.lucchina@ct.gov.

Reducing Energy Enhances Human Health

- Example: Improved indoor air quality through efficient air handling equipment
 - Decreases symptoms of runny noses, sneezing, irritable throats, fatigue.
 - Improves ventilation due to lower contaminant levels in the air
 - Balanced relative humidity
 - Lower excess moisture levels, preventing mold outbreaks

Enhancing Human Health: *Indoor Air Quality*

The screenshot shows the website for the Connecticut Department of Public Health, specifically the Indoor Environmental Quality (IEQ) section. The header includes the DPH logo with the tagline 'Keeping Connecticut Healthy' and the text 'DEPARTMENT OF PUBLIC HEALTH'. A navigation bar contains links for Home, About Us, Publications, Forms, and Contact Us. A language selection dropdown is set to 'Select Language'. On the left, a profile of Dr. Jewel Mullen, Commissioner, is shown. Below her is a sidebar with navigation links: '<<< Previous Level', 'ENVIRONMENTAL HEALTH Publications/Reports Resources/Links', 'Environmental Health in Schools', 'What's New', 'Contact Information', and 'DPH Main Menu'. The main content area is titled 'Indoor Environmental Quality (IEQ)' and includes a paragraph describing the IEQ Unit's services. Below this is a 'General Information' section with a bulleted list of links to various resources. A 'Indoor Environmental Quality Topics' section follows, with two columns of bulleted links. The footer of the page contains several promotional banners for TRINConnecticut, H.I.P.A.A NOTICE, HealthCare Reform, Check the Calendar, E-mail sign-up, Ebola Update, Connecticut logo, Register Online to VOTE, and Regulations of CT State Agencies.

DPH Keeping Connecticut Healthy

DEPARTMENT OF PUBLIC HEALTH

Select Language

Translation Disclaimer

Home About Us Publications Forms Contact Us

Dr. Jewel Mullen
Commissioner

<<< Previous Level

ENVIRONMENTAL HEALTH
Publications/Reports
Resources/Links
Environmental Health in Schools
What's New
Contact Information
DPH Main Menu

TRINConnecticut
Your Health. Your Future. Our Learning. Our Mission.

H.I.P.A.A NOTICE

HealthCare Reform

Check the Calendar

Receive Updates by E-mail
Sign-Up for E-alerts

Ebola Update
What You Need to Know about Ebola

Connecticut
still revolutionary

REGISTER Online to VOTE

Regulations of CT State Agencies

access health CT

Indoor Environmental Quality (IEQ)

The IEQ Unit provides consultation, technical assistance, education, and training to local health departments, housing code enforcement officials, other state agencies, health care providers, and the public regarding environmental conditions in homes, schools and workplaces that can lead to poor IEQ and impact health.

General Information:

- [IEQ Fact Sheet](#) (pdf)
- [Indoor Air Quality Testing Should Not Be The First Move](#) (pdf)
- [National Institute for Occupational Safety and Health \(NIOSH\)](#)
- [Environmental Protection Agency \(EPA\)](#)
- [Health Canada](#)
- [California Air Resources Board \(CARB\)](#)

Indoor Environmental Quality Topics

- [Air Fresheners](#)
- [Air Purifiers](#)
- [Asbestos](#)
- [Azoque](#)
- [Carbon Monoxide](#)
- [Cleaning and Disinfecting Indoors](#)
- [Construction Activities](#)
- [Formaldehyde](#)
- [Flooding](#)
- [Green Living](#)
- [Hand Sanitizers](#)
- [IEQ in Homes](#)
- [IEQ in Schools](#)
- [IEQ in Workplaces](#)
- [IEQ in Day Cares](#)
- [IEQ Professionals](#)
- [IEQ Newsletters](#)
- [Insulation](#)
- [Lead](#)
- [Mercury](#)
- [Mold](#)
- [MothBalls](#)
- [Oil Spills](#)
- [Ozone](#)
- [Pest Management](#)
- [PCBs](#)
- [Radon](#)
- [Sewage](#)
- [Temperature](#)
- [Tobacco](#)
- [Vapor Intrusion](#)
- [Ventilation](#)
- [Volatile Organic Compounds \(VOCs\)](#)

For More Information...

- www.EnergizeCT.com
- <http://www.energizect.com/businesses/segments/Healthcare>
- **1-877-WISE USE**

- www.ct.gov/deep/energy
- www.ct.gov/deep/ and put skilled nursing facilities into search box
(<http://www.ct.gov/deep/cwp/view.asp?a=2708&q=564224>)
- DEEP.EnergyBureau@ct.gov

*Diane Duva, Office Director
Office of Energy Demand
Bureau of Energy and Technology Policy*