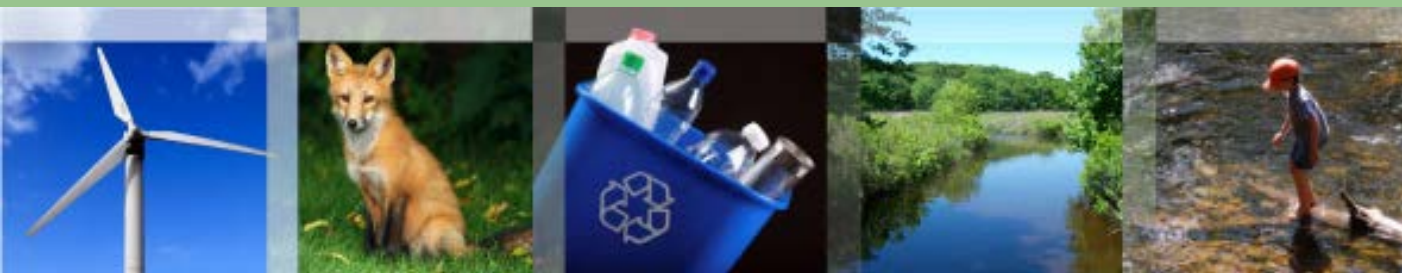




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**ENERGY &
ENVIRONMENTAL
PROTECTION**

Why Skilled Nursing Facilities Should Care about Energy Use

Presented by: Mary Sherwin & Connie Mendolia, CT DEEP
CAHCF meeting, 2/11/16



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How Can DEEP Help?

- Help you understand your energy use
- Identify your opportunities to reduce it
- Figure out which programs to use
 - many programs, lots of salespeople
- Get financing to implement upgrades
 - Low hanging fruit
 - Bundling with larger projects to get deeper energy cuts



Why care about energy efficiency?

- Saves YOU money
- CEEF funding comes from you, the customer
- Reduces air pollutants and greenhouse gases
- Reduces need for more energy generation



What Challenges Do Nursing Homes Have?

- Older buildings
- Equipment that needs to be replaced or updated
- Require reliable, efficient buildings for client needs & comfort
- Need energy assessment
- Restricted budgets



Other DEEP Assistance

- Trash and recycling
- Water conservation
- Landcare
- Stormwater management



Measuring Your Energy Usage

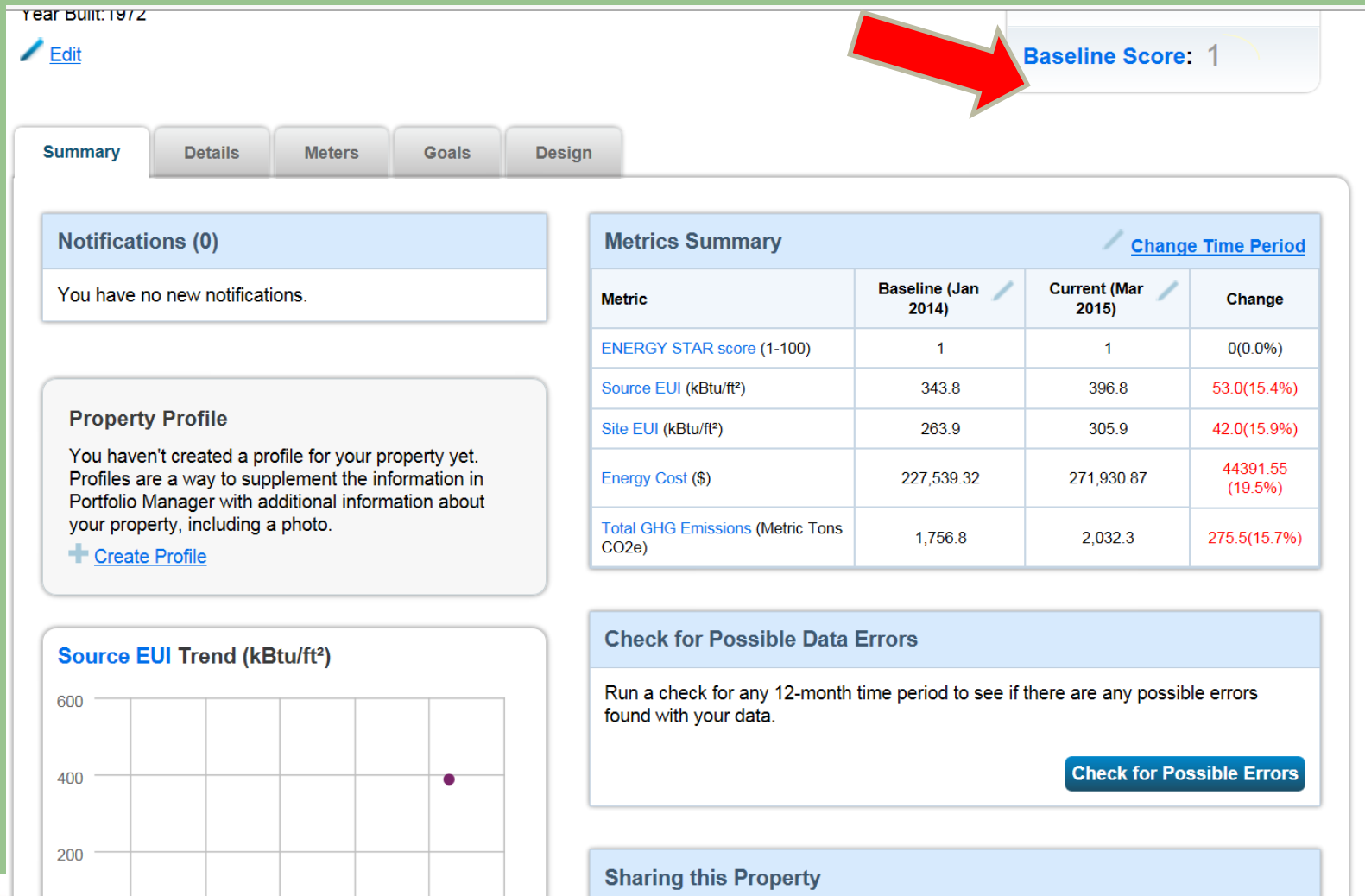
- Do you know how much energy you use each month/year?
- Do you compare your energy use over time?
- Free, on-line EPA tracking tool

“You can’t manage what you don’t measure.”



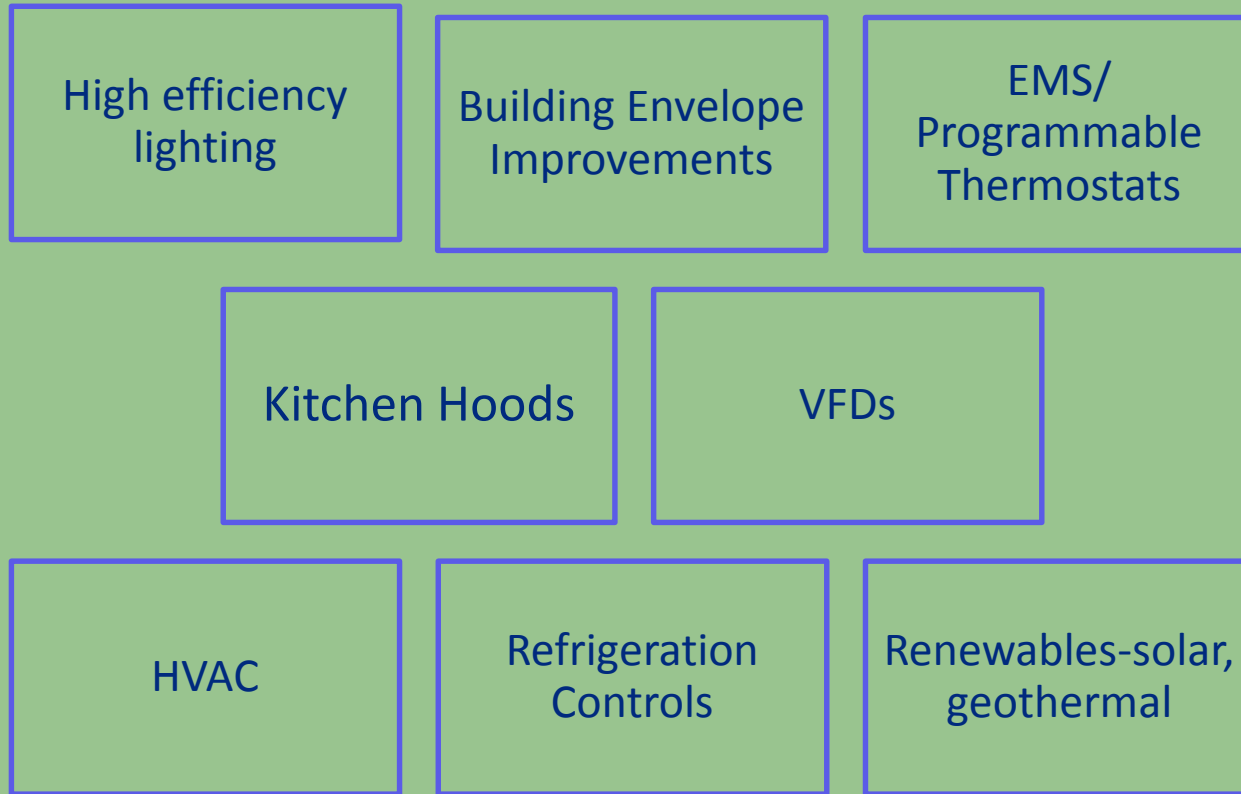
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Benchmarking Score, EUI for CT Nursing Home



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Examples of Upgrades for Existing Buildings



Paying for Energy Efficiency Improvements

1. Out of your capital budget
2. Take out a bank loan
3. Utilize CT Energy Efficiency Fund: Eversource, UI
--Audit, financial incentives, zero interest
4. C-PACE /Green Bank - low-cost financing for energy efficiency and renewable energy



CEEF--Small Business Energy Advantage

Business customers up to 200kW annual demand

1. FREE facility assessment –identify opportunities
2. Receive proposal with recommendations-- costs, energy savings, incentives and 0% financing options
3. Schedules upgrades including paperwork



CT Green Bank/C-PACE

Property Assessed Clean Energy

- An innovative financing structure for qualified energy upgrades; repaid through a benefit assessment on your property tax.

100% upfront,
low-cost, long-
term funding

Repay over time
through property
taxes

Lien is put on the
property and
stays regardless
of ownership



Example - Medium bed facility

Energy Saving Measures - gas & electric:

- Interior and exterior LED lighting
- Refrigeration controls
- Kitchen hood

Total Cost:	\$80,488
SBEA Incentive:	\$37,856
Customer Cost:	\$42,643

- Savings each month: **\$1,435**
- Monthly Loan Payment **36 months: \$1,184**
- Savings after loan is paid off: **\$17,230 per year**



Example: Non-Profit, Boiler Upgrade

BRIDGEPORT Calvary Temple

- built in 1870
- 10,600 square-foot structure



Energy upgrades:

New, high-efficiency gas boiler and fuel conversion

Total Project Cost: \$53,087

Incentives: \$3,460 UI incentive (**boiler only*)

C-PACE Financing: \$49,627

Term: 10 Years

Annual Interest Rate: 5%

Annual C-PACE Assessment: \$6,506

Annual Energy Cost Savings: \$13,678

Lifetime Energy Cost Savings: \$136,776

Annual Energy Savings: 241 MMBtu



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DEEP and Partners

DEEP

EnergizeCT

CT Green Bank

Institute for Sustainable Energy at ECSU



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Next Steps?

- Hear about your challenges at a meeting in March (being planned)
 - DEEP, utility companies, CT Green Bank
- Individual energy programs best used together, in a bundled approach
- Work with you on other sustainability opportunities





Contact us!

- Ct.gov/deep then search “nursing homes”
- Connie.Mendolia@ct.gov 860-424-3243
- Mary.Sherwin@ct.gov 860-424-3246



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 Finding the Right Solution for Your Company's Energy Needs is Easy!

Search for Services, Rebates and Financing to Save on Your Energy Bills.

Step 1: Select business type

Step 2: Select area(s) of interest ☒

☐ Building Controls/Energy Management	☐ Carbon Footprint/Waste Stream Analyses	☐ Commercial Clothes Washers	☐ Commercial Kitchen Equipment
☐ Commercial Renewable Energy and On-site Generation	☐ Compressors and Steam Traps	☐ Drives, Refrigeration Controls, Timers and ECMS	☐ Energy Assessment (Audit)
☐ Financing	☐ Gas Water Heating	☐ Heating & Cooling	☐ Insulation
☐ Lighting	☐ Manufacturing Process Improvements	☐ Municipal Utility Customer Programs	☐ New Construction or Major Renovation
☐ Process Equipment	☐ Rebates	☐ Sustainability	☐ Training

Your Search Results

Financing - Found 1 Option(s) < >



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