

Energy Efficiency Board 2019 Programs and Operations Report

MARCH 1, 2020



Empowering you to make
smart energy choices



"We achieved our goal of creating a more affordable housing option for the Hartford community, and we are the first Habitat organization in Connecticut to build a Zero Energy Ready Home."

EXECUTIVE DIRECTOR KARRAINE MOODY,
HARTFORD AREA HABITAT FOR HUMANITY

"These upgrades meet our goals to increase energy efficiency in the buildings and operations of the city, as well as with local businesses, saving considerable money over the long-term and ultimately benefiting the taxpayers of Bridgeport."

MAYOR JOE GANIM, BRIDGEPORT

"This program enabled us to buy new, more energy-efficient natural gas equipment to lower maintenance costs and help keep our business and employees safe. Initiatives like this help with our profit numbers at the end of the year."

DORJAN PUKA, CHEF/OWNER, TREVA RESTAURANT & BAR,
WEST HARTFORD

EVERSOURCE



Part of the AVANGRID Family

Executive Summary



Neil W. Beup

Chairperson

Linde

10 Riverview Road

Danbury, CT 06810

Amanda Fargo-Johnson

Vice-Chair

CT RC&D / CT Farm Energy Program

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Haddam, CT 06438

Connecticut is celebrating 20 years of award-winning and money-saving energy efficiency programs and services for families, businesses and communities throughout our state. Like the post-millennial generation born 20 years ago, these programs have grown up in tandem with light bulbs that use 9 watts instead of 60; analog, then digital, and now Wi-Fi thermostats; energy management systems for schools that can learn when class is in session; high-performance factories, hospitals, universities and office towers that satisfy both safety and financial concerns and, of course, online everything. Our phones got smart, and now our homes are getting energy-smart. Utility customers can view their energy use online and receive customized energy efficiency recommendations. These programs have pushed and transformed the marketplace by fostering the adoption of new, efficient technology through contractor training and networks,

partnerships with distributors and retail outlets, and consumer education and outreach in the classroom and online.

In a time when Connecticut's leaders are struggling to balance the essential needs of communities with the imperative to combat climate change, our mission has never been more relevant. Energy efficiency is a bulwark against the need for additional power plants and the cost and greenhouse gas emissions that come with them. Energy efficiency produces savings that are an integral component of our state's fuel portfolio, and, at 5 cents per kilowatt hour, are the lowest cost fuel by far. The current Energy Efficiency Board (EEB) is honored and excited to advance energy efficiency solutions for a new decade.

WHO BENEFITS FROM ENERGY EFFICIENCY? EVERYONE.

More than 1.1 Million instances of direct participation in 2019 generated \$67.52 Million in savings. Those participants will continue to benefit year after year, saving approximately \$781.4 Million over the lifetime of the installed improvements from just the 2019 investment.

Statewide, every household, business and community benefited from improved air quality, reduced demand on our power plants, a skilled green energy workforce, and businesses with lower operating costs.

Energy-efficient technology generates long-term benefits. This is particularly

important to families and businesses in income-stressed communities. The ability for income-eligible customers to receive incentives that help overcome the hurdle of the initial investment to upgrades in energy-efficient heating, cooling, ventilation, insulation, lighting, refrigeration and more have positive impacts that last for many years. In 2019, there were 28,848 instances of participation by income-eligible customers in energy efficiency programs. Not only did these customers save energy and money, their homes are healthier too (see pg. 6). 333 businesses in economically distressed communities participated as well.

NATIONAL RECOGNITION

Since 2000, the American Council for an Energy-Efficient Economy (ACEEE) has consistently ranked Connecticut as one of the top states for energy efficiency. In their 2019 State Energy Efficiency Scorecard, Connecticut ranked sixth in the nation. Energize Connecticut, in partnership with Eversource and AVANGRID, Inc. subsidiaries CNG, SCG and UI, received the ENERGY STAR® Partner of the Year – Sustained Excellence Award in Energy Efficiency Program Delivery in recognition of several achievements, including an innovative heating and cooling program that grew by 180 percent over the past 2 years.

The legislation that created the Energy Efficiency Fund and Board is Conn. Gen. Stat. § 16-245m, as amended by P.A. 13-5 § 13 and 13-298 § 16.

The legislation that created the conservation and load management fund for municipal electric companies is Conn. Gen. Stat. § 7-233y.

More information on these laws can be found at EnergizeCT.com/about/CEEF

Energize Connecticut helps you save money and use clean energy. It is an initiative of the State of Connecticut, the Connecticut Green Bank, Eversource, CNG, SCG and UI, with funding from a charge on customer energy bills. Information on energy-saving programs can be found at EnergizeCT.com or by calling 877.WISE.USE.

YMCA photo on cover Roger Salls Photography

ENERGY EFFICIENCY IS THE LOWEST COST ENERGY RESOURCE

AT AN AVERAGE OF 5 CENTS/KWH, IT IS LESS EXPENSIVE TO SAVE ENERGY THROUGH CONNECTICUT'S EXISTING, AWARD-WINNING EFFICIENCY PROGRAMS THAN IT IS TO GENERATE IT THROUGH ANY OTHER MEANS.

2019 KEY BENEFITS



Every \$1.00 collected results in an additional \$4.80 of clean energy investment

An investment by residential, business and municipal energy customers that improves the quality of life in Connecticut.



39,000 Jobs

Clean energy investment supports Connecticut jobs in HVAC, electrical, manufacturing, insulation, weatherization and solar industries.¹



\$6.8 Billion increase to the gross state product

Generated by the Conservation and Load Management Plan (Eversource, CNG, SCG and UI) and the Comprehensive Plan (Connecticut Green Bank).²



Energy savings equivalent to a 149 MW power plant

This is enough energy to power approximately 53,700 homes for a year.



228,142 tons of CO₂ emissions avoided

Supporting our state's drive towards carbon neutrality.



\$76.2 Million in CT tax revenues

Generated from energy efficiency, renewable and financing measures supported by the Conservation and Load Management Plan (Eversource, CNG, SCG, UI) and the Comprehensive Plan (Connecticut Green Bank).³

Together, Eversource, CNG, SCG, UI, the Energy Efficiency Board and the Connecticut Green Bank make Connecticut a better place to live and work.

The numbers presented are from the implementation of the 2019 Conservation & Load Management Plan (C&LM) administered by Eversource, CNG, SCG and UI and the 2019 Comprehensive Plan administered by the CT Green Bank. These numbers reflect 2019 annual savings and benefits calculated from C&LM and CT Green Bank reporting.

¹ U.S. Energy Employment Report, Department of Energy, 2019

² 2009 Environment Northeast (ENE) "Energy Efficiency in Connecticut: Engine of Economic Growth". (Based on updated formula data.)

³ Based on the 2018 Navigant Study

Commercial & Industrial Energy Solutions

6,042 INSTANCES OF PARTICIPATION

Businesses of all sizes, municipalities and state facilities, colleges and universities, hospitals and non-profits have all benefited from energy efficiency solutions.

Tailored, segment-specific energy solutions utilizing market segmentation research continues to be the winning formula for commercial and industrial customers. Strategic initiatives included:

- ▶ **Advanced lighting:** Including controls and connected lighting systems, which increase the electricity savings of LEDs even more by curtailing their use when not needed.
- ▶ **HVAC:** Expanded the established distributor equipment network and included more eligible products in the “upstream” or “instant discount” program, pushing market transformation and encouraging early retirement of inefficient equipment.

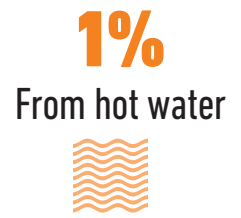
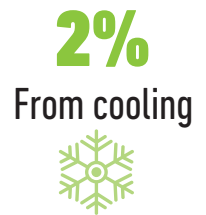
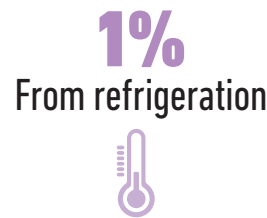
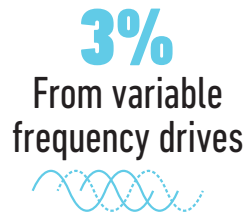
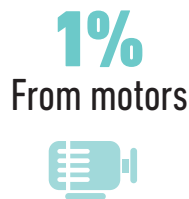
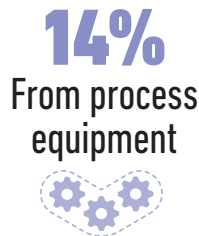
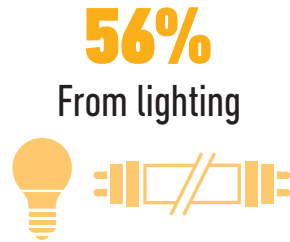
\$37.3 MILLION SAVED*

THIS IS HOW WE DID IT IN 2019

New England Airfoil Products was one of the thousands of commercial, industrial and municipal energy efficiency participants in 2019



“What we spend on energy is critical to our success and competitiveness. That’s why if there’s an energy project that will support our growth, we’ve considered it – and have likely completed it.”
CLIVE CUNLIFFE, NORTH AMERICAN PRESIDENT, NEW ENGLAND AIRFOIL PRODUCTS



1,259
Small business projects



333
Small business projects in distressed communities



535
Municipal & state projects



218
Measures used renewable thermal technology including air source heat pumps



Residential Energy Solutions

\$30.3 MILLION SAVED*

THIS IS HOW WE DID IT IN 2019

The Tyszka family was one of the many families that participated in Home Energy Solutions

1.1 MILLION INSTANCES OF PARTICIPATION

With approximately 58 percent of Connecticut's housing stock built prior to 1970, energy-efficient improvements to insulation, air sealing, windows and heating and cooling equipment continue to be a priority throughout the state.

For income-stressed families and communities, energy efficiency has an even greater impact.

▶ 28,848 participants of the Home Energy SolutionsSM—Income Eligible program received services valued at an average of \$1,200 per home and will save an average of \$250 per year.

▶ For more than 20 years, the Conservation and Load Management Plan, developed and delivered by Eversource and AVANGRID, Inc. subsidiaries CNG, SCG and UI, has supported municipal housing authority properties throughout Connecticut, saving them money and improving the quality of life for their tenants. In 2019, 35 housing authorities participated in an energy efficiency program, saving approximately \$859 Thousand annually, and \$9.9 Million over the lifetime of the installed improvements.

According to the CT Department of Labor, the number of multifamily dwellings has doubled in the last ten years. Energy-efficient new construction and upgrades to existing buildings have been part of that growth.

1,683

New multifamily units completed



19,487

Existing multifamily units upgraded



57,993

Homes received an energy assessment and money-saving energy efficiency improvements



29%

From lighting



35%

From heating & cooling including 31,982 systems installed



8%

Other measures



5.4

Million LED bulbs sold at retail



4%

From hot water including 7,187 units installed



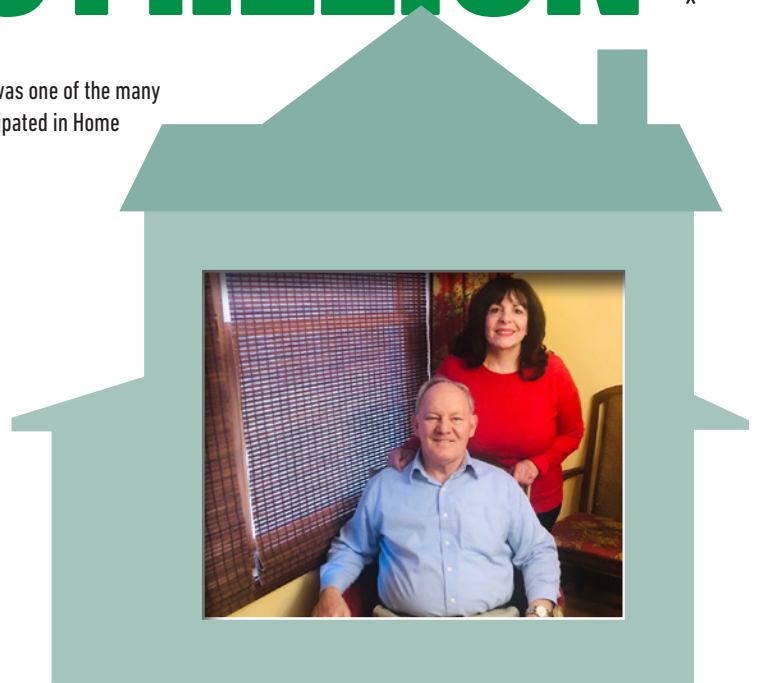
23%

From insulation / envelope including 3,946 rebates



1%

From refrigeration including 7,395 rebates



"The contractors asked my wife if she had any concerns regarding cold areas or drafts; they located suspect areas immediately and corrected them. This was the best investment I could have ever spent."

FRANK TYSZKA, TRUMBULL

The construction of 11 zero energy homes continued in 2019, including the first zero energy home in Connecticut built by Habitat for Humanity (Hartford).

57

Zero energy homes built in the past five years



A new opportunity for residential customers to help reduce greenhouse gas emissions associated with peak summer electric demand, earn an incentive, and save money was launched using enrolled customers with Wi-Fi-connected thermostats.



9,818

Customers enrolled in summer peak demand program


* Based on annual savings expected in Connecticut.

Activities in 2019 Produced Substantial Economic and Environmental Benefits for Residents, Businesses and Municipalities



	Annual Savings (Millions)	Lifetime Savings (Millions)	Number of Projects & Rebates	Annual CO ₂ Emissions Reduced (Tons)	Annual MMBTUs Reduced (Thousands)
Home Energy Solutions (Including Rebates)	\$ 10.74	\$ 164.95	73,939	29,792	395,510
Home Energy Solutions — Income Eligible	\$ 5.55	\$ 84.83	28,848	15,252	201,901
Retail Products	\$ 9.77	\$ 51.25	771,119	16,978	164,604
Residential New Construction	\$ 1.39	\$ 28.39	3,410	3,476	47,930
Residential Behavior	\$ 2.80	\$ 7.13	223,854	5,995	70,678
Small Business Energy Advantage	\$ 5.15	\$ 64.52	1,259	10,829	110,688
Existing Buildings (Mid- and Large-Sized Customers)	\$ 25.55	\$ 279.39	3,267	69,080	780,017
New Construction/Equipment (Business)	\$ 6.58	\$ 100.89	1,516	20,490	239,466
Total	\$ 67.52	\$ 781.35	1,107,212	171,893	2,010,793

ENHANCING CONNECTICUT'S QUALITY OF LIFE: PROTECTING OUR ENVIRONMENT, PROMOTING CLEAN AIR AND BETTER HEALTH



\$6.5 Million in public health costs saved Clean energy reduces emissions and pollutants resulting in healthier and cleaner air.*

Air Emissions	Estimated Annual Savings 2019			Estimated Lifetime Savings 2019		
	Electric	Gas	Fuel Oil and Propane	Electric	Gas	Fuel Oil and Propane
SO _x Tons	14	0	0	151	3	4
NO _x Tons	27	32	13	283	459	259
CO ₂ Tons	115,860	40,974	15,058	1,233,382	587,570	309,880

* EPA Avoided Emissions and generation Tool (AVERT) 2018 and EPA Co-Benefits Risk Assessment Model

2019 RESIDENTIAL PROGRAM SAVINGS



SAVINGS:
Annual: **\$30.3 Million**
Lifetime: **\$336.6 Million**



PROJECTS AND
REBATES:
1,101,170



CO₂ EMISSIONS
REDUCED:
Annual: **71,493 Tons**
Lifetime: **956,290 Tons**



kWh = Electricity
Annual: **104.8 Million**
Lifetime: **788.7 Million**

CCF = Natural Gas
Annual: **3.2 Million**
Lifetime: **61.1 Million**

Gallons =
Fuel Oil and Propane
Annual: **1.5 Million**
Lifetime: **30.7 Million**

2019 COMMERCIAL & INDUSTRIAL PROGRAM SAVINGS



SAVINGS:
Annual: **\$37.3 Million**
Lifetime: **\$444.8 Million**



PROJECTS AND
REBATES:
6,042



CO₂ EMISSIONS
REDUCED:
Annual: **100,399 Tons**
Lifetime: **1.2 Million Tons**



kWh = Electricity
Annual: **223.3 Million**
Lifetime: **2.7 Billion**

CCF = Natural Gas
Annual: **3.6 Million**
Lifetime: **36.5 Million**

COMBINED 2019 RESIDENTIAL, COMMERCIAL & INDUSTRIAL SAVINGS



SAVINGS:
Annual: **\$67.5 Million**
Lifetime: **\$781.4 Million**



PROJECTS AND
REBATES:
1,107,212



CO₂ EMISSIONS
REDUCED:
Annual: **171,893 Tons**
Lifetime: **2.1 Million Tons**



kWh = Electricity
Annual: **328.0 Million**
Lifetime: **3.5 Billion**

CCF = Natural Gas
Annual: **6.8 Million**
Lifetime: **97.6 Million**

Gallons =
Fuel Oil and Propane
Annual: **1.5 Million**
Lifetime: **30.7 Million**

DEMONSTRATING ECONOMIC BENEFITS THROUGHOUT CONNECTICUT

This list includes energy efficiency and conservation benefits provided to residential, commercial and industrial customers of Eversource, CNG, SCG and UI.

Town	Energy Incentives	Annual kWh Saved	Lifetime kWh Saved	Peak Demand kW Saved	Annual CCF Saved	Lifetime CCF Saved	Annual Gallons (Oil & Propane) Saved	Lifetime Gallons (Oil & Propane) Saved	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Andover	\$ 30,276	103,187	1,290,927	20	71	1,424	1,166	22,482	\$ 21,223	\$ 283,332	48
Ansonia	\$ 470,099	552,307	4,537,119	87	37,882	756,119	5,437	115,620	\$ 149,142	\$ 1,941,478	479
Ashford	\$ 110,447	107,956	1,089,926	16	—	—	1,384	28,131	\$ 22,694	\$ 266,952	52
Avon	\$ 736,546	2,145,668	24,417,328	305	18,179	302,978	10,175	212,230	\$ 416,066	\$ 5,029,916	964
Barkhamsted	\$ 52,660	54,140	558,318	10	121	2,426	3,537	69,559	\$ 20,263	\$ 310,182	56
Beacon Falls	\$ 169,472	240,176	2,504,812	57	7,358	177,899	4,846	102,354	\$ 63,168	\$ 922,107	177
Berlin	\$ 2,514,470	6,781,377	82,980,100	482	116,679	1,471,675	8,174	162,096	\$ 1,302,377	\$ 15,901,943	3,181
Bethany	\$ 52,922	84,193	989,192	21	—	—	3,378	68,369	\$ 24,531	\$ 369,413	61
Bethel	\$ 335,977	571,170	6,001,480	90	15,439	266,560	6,211	126,183	\$ 131,725	\$ 1,667,424	351
Bethlehem	\$ 36,893	62,946	577,130	9	—	—	2,228	43,866	\$ 17,418	\$ 226,545	42
Bloomfield	\$ 1,357,372	3,384,592	32,577,108	504	36,496	652,079	14,048	294,107	\$ 659,263	\$ 7,041,668	1,565
Bolton	\$ 104,582	169,450	2,030,612	33	324	6,470	3,758	79,363	\$ 40,900	\$ 588,923	101
Bozrah	\$ 1,600	398	7,165	—	121	2,426	—	—	\$ 189	\$ 3,861	1
Branford	\$ 1,150,835	2,799,886	33,366,568	414	47,082	912,809	10,025	207,724	\$ 556,220	\$ 7,167,477	1,364
Bridgeport	\$ 5,497,338	8,589,333	87,911,041	1,021	256,213	5,042,351	33,040	713,362	\$ 1,828,815	\$ 22,366,460	4,931
Bridgewater	\$ 14,188	13,997	118,616	2	—	—	1,766	36,031	\$ 7,672	\$ 127,729	21
Bristol	\$ 2,163,460	4,834,330	51,246,117	666	73,647	1,043,189	27,100	557,976	\$ 983,945	\$ 11,367,827	2,426
Brookfield	\$ 725,658	2,741,207	23,647,771	397	1,525	22,357	9,002	180,806	\$ 497,853	\$ 4,499,208	1,064
Brooklyn	\$ 243,439	626,699	6,315,229	79	2,348	42,652	2,586	50,801	\$ 117,509	\$ 1,251,717	262
Burlington	\$ 154,190	294,471	2,940,188	123	1,675	41,673	8,918	170,041	\$ 78,767	\$ 1,040,755	196
Canaan	\$ 129,330	328,632	4,020,573	46	—	—	1,097	24,676	\$ 59,643	\$ 744,417	128
Canterbury	\$ 45,555	114,681	1,441,067	17	—	—	1,221	23,767	\$ 23,387	\$ 313,005	53
Canton	\$ 628,998	1,548,339	14,464,876	271	6,292	79,934	9,122	187,658	\$ 299,010	\$ 3,061,387	675
Chaplin	\$ 36,966	61,272	612,026	7	—	—	1,322	26,211	\$ 14,463	\$ 180,724	34
Cheshire	\$ 1,355,873	3,061,106	38,089,477	463	49,445	961,163	23,132	481,260	\$ 643,848	\$ 8,852,022	1,609
Chester	\$ 37,837	64,360	722,687	13	—	—	2,476	49,526	\$ 18,374	\$ 266,848	45
Clinton	\$ 201,052	297,902	3,226,551	60	4,087	80,832	6,709	134,855	\$ 75,151	\$ 1,028,923	192
Colchester	\$ 546,639	774,188	8,654,029	122	—	—	17,541	358,613	\$ 184,690	\$ 2,502,963	431
Colebrook	\$ 33,077	42,498	622,831	4	—	—	969	18,604	\$ 10,296	\$ 161,579	26
Columbia	\$ 69,330	132,756	1,574,757	27	—	—	2,523	48,927	\$ 30,476	\$ 412,427	73
Cornwall	\$ 15,124	16,834	169,017	4	—	—	1,222	25,157	\$ 6,560	\$ 104,049	17
Coventry	\$ 128,929	269,087	3,096,088	55	358	7,154	6,080	116,470	\$ 64,846	\$ 876,219	156
Cromwell	\$ 574,775	1,869,013	19,169,530	286	10,247	192,447	5,934	118,878	\$ 348,174	\$ 3,758,321	781
Danbury	\$ 2,154,680	6,802,935	63,706,435	835	91,160	1,308,066	14,922	294,640	\$ 1,301,114	\$ 12,925,908	3,103
Darien	\$ 565,317	1,575,929	20,451,343	213	6,576	129,901	15,720	332,038	\$ 323,742	\$ 4,539,467	747
Deep River	\$ 106,991	223,129	2,559,706	44	95	1,748	2,155	41,065	\$ 44,769	\$ 550,927	100
Derby	\$ 316,651	694,713	7,652,279	124	14,032	265,797	3,587	70,470	\$ 143,942	\$ 1,779,930	367
Durham	\$ 134,715	351,043	4,496,223	48	—	—	4,330	88,352	\$ 73,209	\$ 1,014,070	166
East Granby	\$ 419,511	135,095	1,577,577	30	47,797	500,514	5,272	105,951	\$ 87,325	\$ 1,142,875	392
East Haddam	\$ 82,143	176,620	1,872,450	29	332	6,634	3,306	63,378	\$ 40,471	\$ 508,005	95
East Hampton	\$ 167,372	383,335	4,057,397	44	1,187	16,827	6,567	134,357	\$ 86,617	\$ 1,098,785	205
East Hartford	\$ 2,610,865	3,467,336	35,609,942	737	297,302	3,703,914	16,785	354,943	\$ 943,034	\$ 11,096,805	3,196
East Haven	\$ 921,976	2,033,540	22,039,658	245	52,701	1,042,694	13,349	283,298	\$ 441,946	\$ 5,682,748	1,176
East Lyme	\$ 733,329	1,955,354	25,808,864	455	5,610	85,048	29,438	673,957	\$ 425,835	\$ 6,331,073	960
East Windsor	\$ 465,056	957,752	8,285,355	148	17,906	367,350	6,839	133,261	\$ 202,634	\$ 2,186,589	514
Eastford	\$ 52,939	217,000	2,895,095	76	—	—	955	19,344	\$ 40,026	\$ 539,513	86
Easton	\$ 116,435	181,437	1,402,500	37	3,214	67,315	8,224	175,734	\$ 58,687	\$ 827,716	156
Ellington	\$ 454,117	917,559	10,617,522	151	9,639	215,829	8,523	177,695	\$ 192,183	\$ 2,532,093	461
Enfield	\$ 1,825,020	4,343,969	36,174,299	594	61,507	1,217,145	13,035	274,393	\$ 845,445	\$ 8,201,698	2,045
Essex	\$ 157,523	326,072	4,349,277	71	1,605	39,619	5,525	111,927	\$ 74,237	\$ 1,106,847	180
Fairfield	\$ 1,838,245	3,654,551	40,567,296	597	101,581	1,882,235	14,010	297,252	\$ 770,250	\$ 9,727,677	2,049
Farmington	\$ 1,166,500	3,205,971	37,179,715	509	27,165	391,380	8,500	164,884	\$ 601,803	\$ 7,110,556	1,381
Franklin	\$ 16,059	21,405	255,658	5	—	—	724	15,822	\$ 5,924	\$ 91,951	16

Town	Energy Incentives	Annual kWh Saved	Lifetime kWh Saved	Peak Demand kW Saved	Annual CCF Saved	Lifetime CCF Saved	Annual Gallons (Oil & Propane) Saved	Lifetime Gallons (Oil & Propane) Saved	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Glastonbury	\$ 1,071,269	2,545,895	24,265,442	409	30,311	562,583	15,554	328,368	\$ 512,044	\$ 5,619,189	1,217
Goshen	\$ 62,601	52,867	609,721	9	—	—	4,339	81,401	\$ 21,866	\$ 342,454	56
Granby	\$ 155,108	258,755	2,471,303	53	1,966	38,253	10,075	201,189	\$ 76,840	\$ 1,064,821	202
Greenwich	\$ 1,097,658	1,641,754	18,258,417	365	65,879	1,225,004	9,246	194,437	\$ 375,205	\$ 4,976,018	1,071
Griswold	\$ 89,245	200,300	1,893,653	26	—	—	2,933	55,674	\$ 43,167	\$ 483,745	99
Groton	\$ 235,956	174,256	1,188,995	30	71,920	618,337	1,989	39,564	\$ 107,872	\$ 999,435	515
Guilford	\$ 448,265	871,847	9,867,295	137	8,657	170,324	11,639	229,403	\$ 192,723	\$ 2,513,325	467
Haddam	\$ 86,116	176,431	2,276,248	21	71	1,424	3,375	65,834	\$ 40,485	\$ 579,195	95
Hamden	\$ 2,054,141	3,932,211	40,956,853	656	94,131	1,921,251	26,480	555,906	\$ 848,610	\$ 10,629,282	2,230
Hampton	\$ 11,419	7,744	114,743	3	—	—	1,061	24,841	\$ 4,323	\$ 89,117	10
Hartford	\$ 7,832,853	17,953,012	218,958,589	2,352	402,286	5,996,020	15,821	334,710	\$ 3,524,351	\$ 44,016,472	8,937
Hartland	\$ 13,750	14,971	117,746	3	—	—	968	18,179	\$ 5,564	\$ 76,089	16
Harwinton	\$ 110,325	169,299	1,843,546	25	5,560	97,745	3,136	60,350	\$ 44,028	\$ 596,742	124
Hebron	\$ 96,673	211,348	1,594,362	43	467	10,022	6,423	130,951	\$ 55,701	\$ 663,721	134
Kent	\$ 38,739	68,603	709,633	17	—	—	1,780	32,508	\$ 17,119	\$ 216,620	41
Killingly	\$ 652,048	1,783,620	19,514,526	271	47,513	462,765	7,694	146,344	\$ 376,114	\$ 4,195,907	991
Killingworth	\$ 78,981	117,300	1,314,231	33	113	2,252	5,753	113,560	\$ 37,430	\$ 561,534	95
Lebanon	\$ 120,661	289,338	4,233,221	31	—	—	3,113	60,108	\$ 58,867	\$ 883,922	131
Ledyard	\$ 673,372	3,027,683	37,227,980	438	53,268	384,992	6,798	135,866	\$ 592,440	\$ 7,027,506	1,462
Lisbon	\$ 374,018	1,830,057	18,419,917	324	189	3,777	4,017	71,604	\$ 325,439	\$ 3,279,592	685
Litchfield	\$ 206,271	311,496	3,432,758	47	434	8,682	9,527	197,640	\$ 82,778	\$ 1,182,293	208
Lyme	\$ 37,425	44,161	417,382	9	—	—	2,784	55,409	\$ 16,051	\$ 238,588	43
Madison	\$ 380,905	683,348	9,025,709	101	8,281	166,429	9,838	196,916	\$ 155,190	\$ 2,281,919	389
Manchester	\$ 3,124,692	8,081,378	72,716,888	1,162	109,761	2,184,724	21,269	440,872	\$ 1,558,373	\$ 15,844,040	3,737
Mansfield	\$ 1,615,480	3,351,638	44,527,410	436	239,363	2,266,885	6,817	135,641	\$ 833,886	\$ 10,305,380	2,693
Marlborough	\$ 50,217	114,722	1,310,455	21	80	1,593	2,206	44,228	\$ 26,386	\$ 353,438	62
Meriden	\$ 2,088,264	3,373,540	40,243,221	579	65,912	1,261,990	28,626	594,450	\$ 732,472	\$ 9,927,590	1,901
Middlebury	\$ 119,887	352,131	4,581,921	47	1,675	31,213	5,170	104,696	\$ 77,673	\$ 1,113,802	186
Middlefield	\$ 278,738	686,913	11,727,397	114	63	1,259	3,885	81,390	\$ 129,342	\$ 2,195,114	280
Middletown	\$ 4,721,515	9,683,445	109,998,574	3,440	216,770	2,258,523	36,986	839,177	\$ 1,989,026	\$ 23,369,208	5,125
Milford	\$ 2,117,806	3,817,649	41,915,538	565	87,710	1,470,119	13,275	272,802	\$ 782,007	\$ 9,421,838	2,015
Monroe	\$ 306,691	470,269	5,630,656	64	8,757	178,074	8,472	181,782	\$ 114,975	\$ 1,681,895	302
Montville	\$ 330,408	952,134	9,330,127	116	12,590	133,210	7,785	154,405	\$ 199,591	\$ 2,174,416	494
Morris	\$ 31,889	56,051	451,893	9	—	—	2,907	59,286	\$ 18,026	\$ 246,986	43
Naugatuck	\$ 1,706,549	1,555,628	17,167,178	233	30,535	493,496	34,650	702,275	\$ 404,813	\$ 5,584,739	1,113
New Britain	\$ 2,820,631	6,291,378	65,796,324	681	142,099	2,473,956	9,144	183,014	\$ 1,247,265	\$ 14,221,548	3,176
New Canaan	\$ 373,885	586,741	6,832,929	121	10,470	209,217	13,215	272,327	\$ 151,481	\$ 2,201,573	406
New Fairfield	\$ 62,272	67,774	679,308	16	80	1,593	5,227	103,942	\$ 27,080	\$ 421,297	69
New Hartford	\$ 203,136	588,692	3,737,026	75	189	3,776	4,578	83,932	\$ 114,755	\$ 878,576	253
New Haven	\$ 4,862,991	11,140,069	102,883,154	1,539	821,538	8,257,640	17,953	396,805	\$ 2,784,448	\$ 27,417,946	9,076
New London	\$ 2,392,725	3,139,921	37,742,125	630	270,324	3,322,451	5,315	110,654	\$ 824,083	\$ 10,265,951	2,790
New Milford	\$ 735,488	1,776,884	19,810,694	223	5,610	54,315	12,211	252,329	\$ 346,791	\$ 4,117,359	781
Newington	\$ 1,084,160	3,551,818	37,468,169	541	31,459	592,653	5,772	118,158	\$ 657,259	\$ 7,243,726	1,506
Newtown	\$ 704,757	1,533,327	17,759,541	294	21,496	343,535	14,428	292,706	\$ 327,221	\$ 4,204,621	805
Norfolk	\$ 20,486	21,583	220,833	3	484	10,937	1,274	26,362	\$ 8,116	\$ 130,352	24
North Branford	\$ 254,402	708,542	7,600,757	99	9,487	122,982	5,880	119,155	\$ 148,778	\$ 1,763,371	367
North Canaan	\$ 63,368	186,431	2,316,544	13	—	—	632	13,730	\$ 33,884	\$ 427,802	73
North Haven	\$ 1,489,743	11,403,379	163,749,745	1,197	92,974	1,293,535	20,683	433,236	\$ 2,108,247	\$ 29,956,887	4,803
North Stonington	\$ 191,001	618,317	6,437,971	164	5,284	66,303	2,447	48,701	\$ 118,602	\$ 1,291,989	275
Norwalk	\$ 2,692,544	7,743,516	69,665,458	973	86,485	1,577,808	27,304	576,129	\$ 1,495,052	\$ 15,068,362	3,529
Norwich	\$ 36,605	192,169	1,026,342	25	63	1,269	—	—	\$ 32,950	\$ 171,867	68
Old Lyme	\$ 162,893	290,743	3,599,494	75	—	—	7,569	159,393	\$ 72,340	\$ 1,072,528	171
Old Saybrook	\$ 339,128	905,189	9,278,636	109	3,434	59,828	8,482	178,290	\$ 183,993	\$ 2,146,606	422
Orange	\$ 765,855	2,075,920	23,173,689	332	134,961	1,741,672	149,765	1,994,593	\$ 935,990	\$ 11,669,429	2,887
Oxford	\$ 273,619	607,149	7,426,027	121	3,274	64,361	7,109	151,267	\$ 128,668	\$ 1,760,699	303
Plainfield	\$ 413,924	984,579	11,010,142	139	3,175	48,952	6,125	110,210	\$ 190,739	\$ 2,226,090	433
Plainville	\$ 680,888	1,543,931	15,979,820	243	24,100	482,112	5,362	100,837	\$ 304,432	\$ 3,488,624	740
Plymouth	\$ 333,490	657,609	8,230,488	63	7,252	124,526	5,976	125,262	\$ 137,455	\$ 1,873,410	328

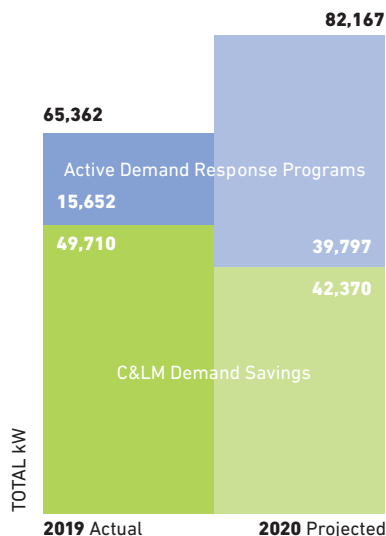
Town	Energy Incentives	Annual kWh Saved	Lifetime kWh Saved	Peak Demand kW Saved	Annual CCF Saved	Lifetime CCF Saved	Annual Gallons (Oil & Propane) Saved	Lifetime Gallons (Oil & Propane) Saved	Annual Dollars Saved	Lifetime Dollars Saved	Annual CO ₂ (Tons) Saved
Pomfret	\$ 123,277	274,877	3,764,344	45	927	18,534	4,736	102,413	\$ 62,471	\$ 960,194	151
Portland	\$ 150,669	240,613	2,917,170	33	2,359	46,171	7,546	156,457	\$ 66,820	\$ 1,018,324	178
Preston	\$ 79,277	196,097	3,089,380	28	142	2,845	2,789	54,396	\$ 42,327	\$ 684,984	100
Prospect	\$ 154,226	217,011	2,211,795	35	1,483	24,275	7,714	159,765	\$ 61,804	\$ 872,903	158
Putnam	\$ 354,611	917,184	6,780,588	114	2,979	59,816	5,665	121,296	\$ 176,503	\$ 1,546,078	388
Redding	\$ 95,562	126,444	1,691,001	24	294	5,890	6,867	149,401	\$ 43,200	\$ 750,466	120
Ridgefield	\$ 650,388	1,343,885	15,658,089	275	26,287	530,760	12,854	263,240	\$ 295,904	\$ 3,997,169	767
Rocky Hill	\$ 642,287	1,287,227	13,398,021	222	46,504	775,054	5,252	107,696	\$ 283,138	\$ 3,413,293	791
Roxbury	\$ 17,706	17,668	233,094	4	—	—	1,411	29,274	\$ 7,350	\$ 128,649	21
Salem	\$ 56,065	107,738	1,546,828	26	—	—	1,805	35,315	\$ 24,023	\$ 366,357	57
Salisbury	\$ 274,316	711,287	8,932,574	138	—	—	3,435	70,768	\$ 132,191	\$ 1,699,854	285
Scotland	\$ 14,084	5,504	52,634	1	—	—	956	18,975	\$ 3,914	\$ 67,902	12
Seymour	\$ 1,578,536	2,959,555	36,404,911	468	42,776	617,505	11,063	227,329	\$ 583,243	\$ 7,425,073	1,416
Sharon	\$ 25,351	24,314	213,403	4	—	—	2,299	47,768	\$ 10,898	\$ 175,451	28
Shelton	\$ 1,875,005	4,652,058	69,067,300	666	71,619	1,247,760	21,203	451,215	\$ 932,355	\$ 14,218,281	2,285
Sherman	\$ 36,066	33,325	417,264	5	—	—	1,816	37,176	\$ 11,197	\$ 182,041	29
Simsbury	\$ 890,458	1,731,459	19,343,122	373	19,862	350,785	12,024	231,579	\$ 353,325	\$ 4,314,899	858
Somers	\$ 414,029	534,658	6,507,638	147	16,182	214,524	6,709	135,162	\$ 128,087	\$ 1,728,035	352
South Windsor	\$ 1,538,877	2,206,260	27,704,045	426	83,598	1,654,648	9,496	191,965	\$ 490,454	\$ 7,014,448	1,381
Southbury	\$ 382,000	1,130,216	12,919,731	219	52,620	547,722	12,884	269,258	\$ 284,450	\$ 3,549,279	832
Southington	\$ 1,638,587	4,214,371	40,656,073	713	51,045	1,064,560	14,909	303,142	\$ 817,536	\$ 8,845,626	1,941
Sprague	\$ 65,183	280,630	3,584,851	47	192	3,698	838	16,070	\$ 50,803	\$ 649,339	109
Stafford	\$ 220,188	657,044	8,729,946	54	—	—	7,038	147,884	\$ 133,985	\$ 1,903,806	304
Stamford	\$ 3,718,875	8,700,027	96,217,375	1,398	264,467	3,915,674	18,803	383,842	\$ 1,810,871	\$ 21,463,625	4,853
Sterling	\$ 33,296	25,199	228,171	4	—	—	1,449	26,186	\$ 8,809	\$ 119,276	24
Stonington	\$ 733,833	1,445,775	15,875,269	214	11,915	251,611	20,707	413,915	\$ 322,194	\$ 4,170,176	785
Stratford	\$ 1,725,641	3,442,667	36,991,180	580	82,978	1,626,084	16,851	361,493	\$ 724,720	\$ 9,061,881	1,900
Suffield	\$ 854,100	692,260	8,930,312	185	53,776	731,490	7,015	141,218	\$ 193,449	\$ 2,715,424	635
Thomaston	\$ 347,314	736,339	8,761,176	87	63,706	637,526	5,446	107,583	\$ 206,364	\$ 2,485,631	698
Thompson	\$ 141,646	391,411	5,197,263	37	—	—	3,594	71,868	\$ 77,646	\$ 1,076,337	170
Tolland	\$ 179,759	262,893	2,654,406	53	993	21,153	11,397	213,916	\$ 80,094	\$ 1,107,943	204
Torrington	\$ 1,024,386	2,364,698	24,313,744	390	30,125	592,074	11,102	229,147	\$ 468,538	\$ 5,385,320	1,125
Trumbull	\$ 1,098,912	2,224,485	25,264,923	321	37,682	734,715	15,337	327,834	\$ 465,360	\$ 6,009,643	1,169
Union	\$ 5,018	9,919	106,327	2	—	—	119	2,075	\$ 2,062	\$ 24,060	5
Vernon	\$ 475,739	673,591	6,460,393	151	25,792	504,164	11,076	230,855	\$ 174,798	\$ 2,330,139	503
Voluntown	\$ 87,493	218,965	2,736,933	57	—	—	866	15,871	\$ 40,156	\$ 503,915	87
Wallingford	\$ 654,449	920,318	5,072,721	114	118,824	1,457,215	818	14,711	\$ 278,713	\$ 2,488,568	1,046
Warren	\$ 40,779	24,775	227,040	8	—	—	2,410	51,891	\$ 11,657	\$ 197,776	34
Washington	\$ 56,855	115,464	1,321,854	20	—	—	3,233	66,578	\$ 29,545	\$ 421,199	72
Waterbury	\$ 5,555,688	11,029,790	121,357,868	1,216	175,571	3,030,135	49,241	1,055,029	\$ 2,216,467	\$ 26,777,613	5,487
Waterford	\$ 950,133	3,129,047	27,796,787	404	7,117	121,744	18,633	374,095	\$ 599,991	\$ 5,905,585	1,342
Watertown	\$ 495,035	882,091	8,566,296	498	10,268	195,612	16,940	351,246	\$ 212,451	\$ 2,700,276	536
West Hartford	\$ 2,042,332	3,951,894	42,629,258	697	121,566	2,076,501	14,573	302,044	\$ 843,311	\$ 10,307,927	2,286
West Haven	\$ 1,083,795	1,988,501	17,835,150	318	56,870	1,114,488	13,322	282,329	\$ 438,608	\$ 5,067,315	1,189
Westbrook	\$ 243,252	1,026,208	15,030,683	148	3,557	68,253	4,424	91,038	\$ 192,492	\$ 2,846,059	426
Weston	\$ 128,351	99,020	907,462	33	2,240	43,519	8,992	185,743	\$ 46,895	\$ 771,521	142
Westport	\$ 548,842	851,960	9,398,303	132	23,564	406,566	14,363	294,581	\$ 213,174	\$ 2,907,317	586
Wethersfield	\$ 654,053	1,377,135	16,222,441	226	31,633	629,309	3,772	74,982	\$ 278,949	\$ 3,618,707	716
Willington	\$ 59,232	139,711	1,769,705	20	—	—	2,801	53,730	\$ 32,172	\$ 453,661	73
Wilton	\$ 346,242	1,115,331	13,698,923	165	5,771	81,665	10,242	205,039	\$ 228,468	\$ 3,002,496	539
Winchester	\$ 768,973	1,630,381	20,453,419	374	27,273	327,575	3,212	66,686	\$ 315,626	\$ 3,950,968	765
Windham	\$ 1,511,078	3,724,942	38,222,687	546	58,441	597,977	8,062	175,530	\$ 720,750	\$ 7,548,579	1,751
Windsor	\$ 1,310,524	3,008,319	33,770,291	498	33,858	672,810	21,179	447,076	\$ 614,415	\$ 7,737,585	1,494
Windsor Locks	\$ 1,712,683	2,789,305	34,853,651	555	154,701	1,870,553	4,542	92,941	\$ 646,290	\$ 8,138,233	1,966
Wolcott	\$ 402,067	279,021	3,096,635	52	2,476	43,508	16,281	324,777	\$ 99,705	\$ 1,550,179	274
Woodbridge	\$ 118,374	232,700	1,845,302	45	1,492	27,902	6,956	148,640	\$ 62,967	\$ 800,048	167
Woodbury	\$ 179,787	178,591	1,980,551	40	352	5,562	8,722	182,610	\$ 57,277	\$ 885,877	149
Woodstock	\$ 117,522	213,846	2,369,856	37	—	—	5,125	103,167	\$ 52,018	\$ 703,407	124

2019 Actual Spending / 2020 Budget

	2019 Actuals Electric	2020 Plan Electric	2019 Actuals Natural Gas	2020 Plan Natural Gas
Energy Efficiency Programs				
RESIDENTIAL				
Residential Retail Products	\$ 11,576,562	\$ 9,473,872	\$ —	\$ —
Residential New Construction	2,827,631	3,322,848	1,731,330	2,540,947
Home Energy Solutions — Core Services	16,639,342	24,144,799	6,083,257	6,468,378
Home Energy Solutions — HVAC, Water Heaters	6,936,156	6,998,658	9,506,659	8,371,706
Home Energy Solutions — Income Eligible	20,174,575	20,873,823	10,970,415	10,961,845
Residential Behavior	1,033,116	2,321,914	474,067	657,939
Subtotal Residential	\$ 59,187,381	\$ 67,135,914	\$ 28,765,727	\$ 29,000,815
COMMERCIAL & INDUSTRIAL				
Energy Conscious Blueprint	\$ 14,088,540	\$ 16,929,168	\$ 5,822,177	\$ 8,198,993
Energy Opportunities	44,771,764	47,462,216	5,215,167	6,418,123
Business & Energy Sustainability (O&M, RetroCx, BSC, PRIME)	2,276,336	4,715,630	1,572,502	1,867,717
Small Business	11,249,991	20,756,746	690,045	1,369,892
Subtotal C&I	\$ 72,386,630	\$ 89,863,760	\$ 13,299,890	\$ 17,854,724
OTHER—EDUCATION, ENGAGEMENT & FINANCING				
Customer Engagement	\$ 1,376,151	\$ 2,243,000	\$ 201,756	\$ 470,612
Educate the Public	947,443	1,184,224	204,023	259,777
Educate the Students	426,145	513,478	88,076	133,668
Educate the Workforce	112,368	681,323	37,922	170,306
Residential Loan Program (Includes ECLF and OBR)	1,572,133	1,062,934	227,706	252,659
C&I Financing Support	17,569,775	2,613,933	10,944	173,256
Research, Development & Demonstration	138,249	315,266	89,918	150,000
Subtotal Education, Engagement & Financing	\$ 22,142,264	\$ 8,614,159	\$ 860,346	\$ 1,610,279
OTHER—LOAD MANAGEMENT				
ISO Load Response Program	\$ 1,613,468	5,362,558	\$ —	\$ —
C&I Demand Response	798,991	4,861,288	—	—
Subtotal Load Management	\$ 2,412,459	\$ 10,223,845	\$ —	\$ —
OTHER—ADMINISTRATIVE & PLANNING				
Administration	\$ 1,114,437	\$ 1,168,431	\$ 332,262	\$ 445,818
Marketing Plan	172,273	411,000	51,236	93,300
Planning	655,271	865,537	358,258	298,954
Evaluation Measurement and Verification	1,339,530	2,400,000	653,149	600,000
Evaluation Administrator	258,191	240,000	58,342	60,000
Information Technology	1,301,413	2,314,686	419,540	411,396
Energy Efficiency Board Consultants	392,510	520,000	96,658	129,999
Audits — Financial and Operational	84,000	84,000	30,001	30,000
Performance Management Incentive (PMI)	10,044,483	8,234,880	2,747,920	2,264,188
Admin/Planning Expenditures	\$ 15,362,107	\$ 16,238,533	\$ 4,747,364	\$ 4,333,655
TOTAL EE BUDGET	\$ 171,490,842	\$ 192,076,211	\$ 47,673,328	\$ 52,799,473
STATE DIVERSION OF FUNDS	\$ 26,750,000	\$ —	\$ —	\$ —

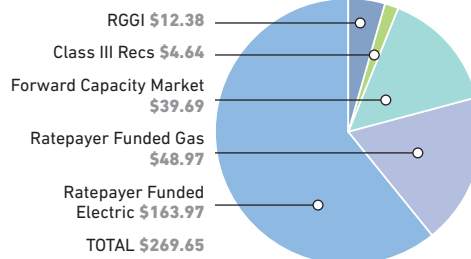
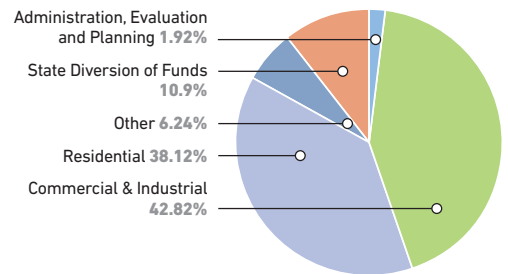
LOAD MANAGEMENT & PEAK DEMAND

C&I Demand Savings and Active Demand Response Programs reduce peak demand and have direct impact on consumers, as reductions in needed capacity can result in lower electricity prices and also reduce the federally mandated congestion charges on electric bills.



2019 EFFICIENCY PROGRAM SPENDING

Energy efficiency programs are administered to maximize the cost-effectiveness and impacts of energy efficiency and load management activities.



2019 EFFICIENCY PROGRAM FUNDING

Funding for energy efficiency programs comes from many sources. Funding reflects 2019 revenues received. (In Millions)

Energy Efficiency Board

PROMOTING ECONOMIC DEVELOPMENT, ENVIRONMENTAL BENEFITS, AND ENERGY SECURITY THROUGH THE EFFICIENT USE OF ENERGY.

Energy efficiency programs and services are marketed under the statewide brand, Energize ConnecticutSM, and provided by Eversource, Connecticut Natural Gas, Southern Connecticut Gas and United Illuminating. The EEB's members are drawn from private and public entities and represent a cross section of energy consumers including residents, business, non-profits, communities and municipalities. The EEB is assisted by consultants who are experts in their respective fields. The EEB assists and advises the utilities throughout the year via participation in various committees and as a whole. The EEB also collaborates and cooperates with the energy efficiency programs of the Connecticut Municipal Electric Energy Cooperative (www.CMEEC.com) and the Wallingford Electric Division (www.town.wallingford.ct.us/Content/Electric_Division.asp). Please visit their websites for more information.

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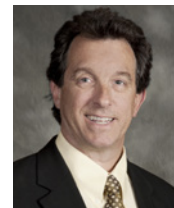
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