



CONNECTICUT
CLEAN ENERGY FUND

Annual Report of Activities
Fiscal Year 2011

The Connecticut Clean Energy Fund

Annual Report FY 2011

Who We Were Then

The Connecticut Clean Energy Fund (CCEF) was created by the state legislature in 1998 under Public Act 98-28 and launched in 2000. The Fund was administered by Connecticut Innovations and charged with supporting developments, investments, and the promotion of Connecticut clean energy sources.

The CCEF Mission:

Promote, develop, and invest in clean energy sources for Connecticut.

The CCEF Vision:

Connecticut will lead the nation in attaining a sustainable balance of energy production, economic growth, and environmental impact.

What We Did

Historically, the Fund provided financial incentives in the form of grants, rebates, loans, and other mechanisms to support the purchase and use of clean distributed generation.

During Fiscal Year 2011 the Fund continued to support individuals, businesses, and municipalities in the development and installation of clean energy systems through a variety of incentive programs. Additionally, CCEF offered programs and opportunities for clean energy awareness, workforce development, partnerships in emerging technologies, and other activities supporting clean energy in Connecticut.

This Annual Report includes an audited financial report as well as a town-by-town summary of CCEF clean energy project support.

Who We Are Now

In July 2011, the Connecticut General Assembly and Governor Malloy passed Public Act 11-80, An Act Concerning the Establishment of the Department of Energy And Environmental Protection and Planning for Connecticut's Energy Future. Section 99 of P.A. 11-80 created the Clean Energy Finance and Investment Authority (CEFIA), a quasi-public entity. The CCEF which was previously administered by Connecticut Innovations was then repurposed within CEFIA and given a broader mandate. CEFIA will seek to leverage private capital and address market barriers to support Connecticut's Clean Energy Goals.

Mission:

The mission of the Clean Energy Finance and Investment Authority is to support the Governor's and legislature's strategies to achieve cleaner, cheaper, and more reliable sources of energy through clean energy finance.

Vision:

The vision of the Clean Energy Finance and Investment Authority is to help ensure Connecticut's energy security and community prosperity by realizing its environmental and economic opportunities through clean energy finance and investments.

Goals:

The Authority achieves its vision and mission through the following strategic goals:

- Attracting and deploying capital to finance the clean energy goals for Connecticut, which include:
 - Helping Connecticut become the most energy efficient state in the nation
 - Helping scale-up the deployment of renewable energy in the state
 - Providing support for the infrastructure needed to lead the clean energy economy
- Developing and implementing strategies that bring down the cost of clean energy in order to make it more accessible and affordable to consumers
- Reducing market reliance on grants, rebates, and other subsidies and move towards innovative low-cost financing of clean energy deployment

Through the objective of maximizing the deployment of clean energy per ratepayer (or taxpayer) dollar at risk, the Authority seeks to scale-up the investment in Connecticut's clean energy economy.

Collaboration between CCEF and the Connecticut Energy Efficiency Fund

The CCEF continues to work with the Energy Conservation Management Board (ECMB), the Connecticut Energy Efficiency Fund (CEEFF), and the electric distribution companies to further develop and promote program linkages between the renewable energy programs and energy efficiency programs. Collaborative efforts have resulted in the requirement that all projects under the On-Site Renewable Distributed Generation Program have an energy audit and implement any energy-efficient measures that provide a payback of five (5) years or less before the CCEF will fund the renewable system. Additionally, a CEEFF energy audit is now required prior to participation in the CCEF's residential rebate program. Increased coordination of energy efficiency and renewable energy efforts will lead to buildings and projects with greater reductions in energy use and peak demand in the most cost-effective manner. Future areas of collaboration will include joint-financing and marketing programs.

On-Site Renewable Distributed Generation Program

The On-Site Renewable Distributed Generation Program (OSDG) is a flexible, integrated-technology, financial support program designed to stimulate demand for "behind the meter" installations of renewable energy at commercial, industrial, institutional (CI&I), not-for-profit, and governmental buildings, and affordable housing in Connecticut.

Small Solar Program

Under the CCEF's Residential and Small System Rebate Program, rebates are offered through designated participating installers for Connecticut residents that install systems of ten (10) kW or less on their homes, including the Solar Lease Program. The Solar Lease Program provides leases to households for installation of solar PV systems. The Program has reached low and moderate income households.

American Recovery and Reinvestment Act (ARRA)

CCEF uses ARRA funds to further incent clean energy generation supporting the demand of Solar PV, Fuel Cell, Solar Hot Water, and Ground-Source Heat Pumps.

Clean Energy Communities Program

The CCEF has developed a series of programs to support voluntary clean energy markets in Connecticut. These programs not only have raised awareness of the benefits and availability of clean renewable energy but also have accelerated the growth of the CTCleanEnergyOptionssm program, purchases of renewable energy credits (RECs), and installation of clean energy systems in the state. Many of these programs incentives are interrelated, leading to a rapidly expanding network of clean energy communities in Connecticut.

The Connecticut Clean Energy Communities Program is an award-winning program that challenges municipal governments, businesses, institutions, and households to support clean energy. Under this program, communities can earn clean energy systems for municipal buildings, such as schools, libraries, community centers, and town halls.

*This is the final annual report for the Clean Energy Fund pursuant to Connecticut General Statute 16-245n(f). The next annual report will be the first annual report of the Clean Energy Finance and Investment Authority.

Generating Clean Energy Across Connecticut

Summary of Approved, Funded or Earned Activity During Fiscal Year 2011

Municipality	ARRA Incentive Amount	Commercial Installations (OSDG) Incentive Amount	Commercial Installations (OSDG) kW AC	Small Solar Incentive Amount	Small Solar kW AC	Communities Incentive Amount	Communities kW AC	Total Incentive Amount	Total kW AC	Total # Projects
Andover	\$3,150			\$8,237	3.91			\$11,387	3.91	2
Ansonia				\$16,332	4.09			\$16,332	4.09	1
Ashford	\$6,000			\$144,401	34.58			\$150,401	34.58	8
Avon	\$32,370			\$22,915	10.45			\$55,285	10.45	7
Barkhamsted	\$5,670			\$33,931	6.42			\$39,601	6.42	2
Beacon Falls	\$6,000			\$30,513	6.28			\$36,513	6.28	2
Berlin	\$8,000			\$58,153	11.88			\$66,153	11.88	3
Bethany				\$9,533	5.70	\$157,556	12.66	\$167,089	18.37	5
Bethel	\$7,200							\$7,200		1
Bethlehem				\$170,932	46.36			\$170,932	46.36	8
Bloomfield		\$699,305	241.46					\$699,305	241.46	1
Bolton	\$1,050			\$0	0.84			\$1,050	0.84	2
Branford	\$13,539			\$82,859	18.83	\$57,472	5.43	\$153,871	24.26	9
Bridgeport				\$5,625	2.98	\$17,070	1.55	\$22,695	4.53	2
Bristol				\$97,932	21.70			\$97,932	21.70	4
Brookfield	\$8,000			\$20,318	3.93			\$28,318	3.93	2
Brooklyn	\$2,635			\$62,333	13.76			\$64,968	13.76	4
Burlington	\$24,000			\$94,393	17.96			\$118,393	17.96	7
Canaan				\$30,148	7.11			\$30,148	7.11	2
Canterbury				\$65,226	12.67			\$65,226	12.67	2
Canton				\$29,827	8.51	\$26,401	2.33	\$56,228	10.83	2
Chaplin				\$34,951	8.45			\$34,951	8.45	2
Cheshire	\$8,710			\$43,447	12.92	\$44,730	3.88	\$96,887	16.79	6
Chester				\$10,616	5.58			\$10,616	5.58	1
Clinton	\$2,924			\$42,180	15.71			\$45,104	15.71	4
Colchester	\$32,694			\$221,230	61.83			\$253,924	61.83	19
Colebrook	\$3,530							\$3,530		2
Columbia	\$9,257			\$106,477	28.16			\$115,734	28.16	8
Cornwall				\$40,335	22.72	\$88,477	6.98	\$128,812	29.70	5
Coventry	\$21,865			\$161,823	37.27	\$34,494	1.55	\$218,182	38.82	13
Cromwell		\$850,000	267.18	\$31,435	6.51			\$881,435	273.69	3
Danbury				\$195,775	50.75			\$195,775	50.75	9
Darien	\$7,200			\$19,102	9.78			\$26,302	9.78	3
Deep River	\$3,125			\$10,306	3.73			\$13,431	3.73	2

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Durham	\$9,074			\$114,412	34.20			\$123,485	34.20	7
East Granby				\$10,753	6.14			\$10,753	6.14	1
East Haddam	\$23,055			\$114,695	42.10			\$137,750	42.10	12
East Hampton	\$7,561			\$108,912	24.30			\$116,473	24.30	6
East Hartford				\$23,873	5.86			\$23,873	5.86	1
East Haven		\$731,047	134.37					\$731,047	134.37	4
East Lyme	\$12,600	\$19,520	3.88	\$81,263	25.94			\$113,383	29.83	7
East Windsor	\$7,804			\$50,152	10.32			\$57,956	10.32	4
Eastford				\$34,131	12.02			\$34,131	12.02	3
Easton				\$21,240	4.19	\$38,660	3.88	\$59,900	8.06	2
Ellington	\$13,600			\$160,696	37.55			\$174,296	37.55	8
Enfield	\$10,000			\$128,470	31.76			\$138,470	31.76	6
Essex	\$19,024					\$18,656	1.55	\$37,680	1.55	5
Fairfield	\$23,788	\$731,291	400.00	\$122,296	32.39	\$27,770	1.55	\$905,145	433.94	14
Farmington	\$40,400			\$52,569	13.81			\$92,969	13.81	8
Franklin	\$10,000							\$10,000		1
Glastonbury	\$45,600			\$131,486	27.44	\$47,531	3.10	\$224,617	30.54	13
Goshen				\$26,811	5.35			\$26,811	5.35	1
Granby	\$13,236			\$90,149	24.06			\$103,385	24.06	7
Greenwich	\$18,645			\$68,796	22.79			\$87,441	22.79	9
Griswold	\$1,920			\$132,063	33.86			\$133,983	33.86	6
Groton	\$16,200			\$37,701	7.81			\$53,901	7.81	4
Guilford	\$55,203			\$78,725	32.48			\$133,928	32.48	14
Haddam	\$23,856			\$95,850	26.95			\$119,706	26.95	11
Hamden	\$456,885	\$830,400	193.47	\$141,978	30.64	\$82,468	6.98	\$1,511,731	231.08	21
Hampton	\$17,942	\$8,850	2.57	\$26,581	11.98			\$53,373	14.55	6
Hartford	\$32,172			\$9,815	4.99	\$68,065	6.20	\$110,052	11.19	4
Hartland	\$2,400							\$2,400		1
Harwinton	\$4,800							\$4,800		1
Hebron	\$3,773	\$17,400	4.94	\$126,662	26.88			\$147,835	31.82	8
Kent				\$75,907	23.10			\$75,907	23.10	4
Killingly	\$2,100	\$43,420	9.51	\$56,054	17.52			\$101,574	27.04	5
Killingworth	\$13,585			\$99,132	23.55			\$112,717	23.55	7
Lebanon	\$11,500			\$2,950	1.78			\$14,450	1.78	4
Ledyard	\$15,400			\$14,570	11.16			\$29,970	11.16	4
Lisbon				\$13,549	4.77			\$13,549	4.77	1
Litchfield	\$43,850			\$211,761	49.14			\$255,611	49.14	10
Lyme	\$13,800			\$22,056	12.69			\$35,856	12.69	4

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Madison	\$10,800	\$166,735	34.73	\$106,552	37.24	\$22,710	3.10	\$306,797	75.07	9
Manchester	\$90,715			\$138,957	34.15	\$25,014	2.33	\$254,686	36.48	14
Mansfield	\$21,150	\$69,825	10.61	\$104,033	22.27	\$65,109	5.43	\$260,117	38.31	15
Marlborough	\$12,252			\$87,440	28.42			\$99,692	28.42	7
Meriden	\$5,375			\$41,366	12.73			\$46,741	12.73	4
Middlebury	\$12,000	\$808,185	400.00	\$38,458	8.87			\$858,643	408.87	3
Middlefield		\$111,660	38.85	\$66,968	19.78			\$178,628	58.62	5
Middletown	\$14,632			\$105,049	30.74	\$21,005	1.55	\$140,686	32.29	11
Milford	\$5,809			\$139,618	43.52	\$46,602	3.10	\$192,029	46.62	13
Monroe	\$6,300			\$54,411	17.58			\$60,711	17.58	4
Montville	\$5,250			\$161,461	47.13			\$166,711	47.13	8
Morris	\$1,941			\$21,338	5.12			\$23,279	5.12	2
Naugatuck				\$29,885	6.35			\$29,885	6.35	1
New Britain		\$222,865	62.76	\$13,707	5.23			\$236,572	68.00	2
New Canaan	\$25,538			\$4,094	2.09			\$29,632	2.09	5
New Fairfield	\$17,348			\$25,768	13.55			\$43,116	13.55	6
New Hartford				\$71,041	14.31			\$71,041	14.31	3
New Haven	\$122,395	\$985,000	400.00	\$93,132	25.56	\$25,676	1.55	\$1,226,203	427.11	12
New London				\$5,646	3.07			\$5,646	3.07	1
New Milford	\$46,000			\$69,020	21.12			\$115,020	21.12	7
Newington	\$6,720			\$18,429	6.11			\$25,149	6.11	4
Newtown	\$3,315			\$141,808	33.12	\$33,214	3.88	\$178,337	37.00	8
Norfolk				\$23,187	4.28	\$55,913	3.88	\$79,100	8.15	2
North Branford				\$22,322	5.97			\$22,322	5.97	1
North Haven	\$1,459			\$60,836	13.05	\$20,786	3.10	\$83,081	16.15	4
North Stonington	\$48,758			\$91,117	20.39			\$139,875	20.39	9
Norwalk	\$7,200			\$177,429	38.87			\$184,629	38.87	9
Norwich	\$6,000							\$6,000		1
Old Lyme	\$23,200	\$24,210	4.62	\$61,292	25.08			\$108,702	29.70	9
Old Saybrook	\$8,380			\$16,503	9.30			\$24,883	9.30	4
Orange	\$6,900			\$162,252	46.71	\$0	1.03	\$169,152	47.74	9
Oxford	\$15,650			\$61,592	19.08			\$77,242	19.08	7
Plainfield				\$101,342	23.72			\$101,342	23.72	3
Plainville				\$33,669	6.00			\$33,669	6.00	1
Plymouth	\$6,000			\$71,460	14.25			\$77,460	14.25	3
Pomfret	\$8,000	\$707,150	143.01	\$62,022	15.16			\$777,172	158.17	4

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Portland	\$10,200			\$53,087	13.29	\$46,158	3.88	\$109,445	17.16	6
Preston				\$30,772	6.70			\$30,772	6.70	1
Prospect	\$4,800			\$9,371	4.88			\$14,171	4.88	2
Putnam		\$148,456	23.99	\$78,524	15.69			\$226,980	39.68	4
Redding	\$12,000			\$77,320	22.39	\$24,139	2.33	\$113,459	24.71	5
Ridgefield	\$3,268			\$36,141	8.70	\$129,789	11.63	\$169,198	20.32	4
Rocky Hill				\$85,698	21.73			\$85,698	21.73	4
Roxbury				\$61,977	16.60			\$61,977	16.60	4
Salem	\$12,000							\$12,000		1
Salisbury				\$58,299	18.32			\$58,299	18.32	3
Scotland				\$64,670	18.12			\$64,670	18.12	3
Seymour	\$7,200			\$1,031	0.54			\$8,231	0.54	2
Sharon				\$17,523	11.65			\$17,523	11.65	2
Shelton	\$10,000			\$125,599	27.41			\$135,599	27.41	6
Sherman	\$24,000			\$5,866	2.85			\$29,866	2.85	3
Simsbury	\$34,800			\$44,599	8.34			\$79,399	8.34	6
Somers	\$16,650			\$12,708	7.25			\$29,358	7.25	4
South Windsor	\$10,832			\$82,092	22.58			\$92,924	22.58	6
Southbury				\$98,997	22.46			\$98,997	22.46	5
Southington	\$9,600			\$61,320	10.63			\$70,920	10.63	5
Stafford	\$4,200			\$71,005	13.58			\$75,205	13.58	3
Stamford	\$45,494	\$605,256	118.31	\$84,468	33.55	\$149,024	17.83	\$884,242	169.69	15
Stonington	\$6,000			\$141,622	45.16			\$147,622	45.16	7
Stratford		\$195,745	61.11	\$102,986	21.57			\$298,731	82.68	7
Suffield	\$12,000			\$53,768	15.37			\$65,768	15.37	5
Thomaston				\$25,747	5.30			\$25,747	5.30	1
Thompson				\$244,961	48.42			\$244,961	48.42	6
Tolland				\$28,893	5.95			\$28,893	5.95	1
Torrington		\$882,000	400.00	\$81,406	18.69			\$963,406	418.69	4
Trumbull	\$11,810			\$123,106	28.05			\$134,916	28.05	7
Vernon	\$16,853			\$77,641	19.88			\$94,494	19.88	4
Voluntown	\$6,000			\$91,696	23.51			\$97,696	23.51	4
Wallingford	\$4,800							\$4,800		1
Washington		\$837,569	184.16	\$39,983	27.59			\$877,552	211.75	4
Waterbury	\$25,200			\$153,916	32.88			\$179,116	32.88	11
Waterford	\$309,600	\$75,800	26.88	\$168,436	38.12			\$553,836	65.00	10

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Watertown	\$10,000			\$86,659	16.74			\$96,659	16.74	4
West Hartford	\$7,200			\$97,378	26.94	\$97,382	6.98	\$201,960	33.91	10
West Haven				\$38,388	7.81			\$38,388	7.81	2
Westbrook	\$8,930	\$478,962	56.39	\$83,836	20.00			\$571,728	76.39	7
Weston	\$7,200			\$43,598	10.12	\$39,950	3.10	\$90,748	13.22	4
Westport	\$12,600			\$39,240	17.29	\$43,886	5.43	\$95,726	22.72	8
Wethersfield				\$7,637	1.84			\$7,637	1.84	1
Willington	\$2,980			\$86,055	21.93			\$89,035	21.93	6
Wilton	\$11,305	\$76,788	15.80	\$56,403	22.72	\$35,975	3.88	\$180,470	42.40	9
Winchester				\$81,639	22.83			\$81,639	22.83	3
Windham	\$9,750			\$28,863	7.84			\$38,613	7.84	5
Windsor	\$16,805			\$104,222	23.59	\$13,024	1.55	\$134,051	25.14	9
Windsor Locks	\$7,200			\$42,486	13.54			\$49,686	13.54	3
Wolcott	\$17,650			\$41,666	7.81			\$59,316	7.81	4
Woodbridge	\$4,443			\$80,122	21.86	\$26,480	1.03	\$111,045	22.89	6
Woodbury	\$18,300			\$85,489	21.30			\$103,789	21.30	5
Woodstock	\$18,000			\$53,034	12.11			\$71,034	12.11	4
Grand Total	\$2,465,446	\$10,327,439	3,238.61	\$10,422,488	2,774.82	\$1,631,186	144.15	\$24,846,559	6,157.58	853



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