



Nexus Market Research, Inc.

**Monitoring and Evaluation of the
Connecticut Clean Energy Fund:
Monthly Voluntary Market Progress Report
(November 2006)**

**Submitted to:
Connecticut Innovations, Inc.**

**Prepared by:
Nexus Market Research, Inc.**

Contents¹

Community Participation Summary	1
Signup Indicators	3
Household Penetration Indicators	15
Energy Consumption Indicators	19
Environmental Benefits Indicators	20

¹ All data in this report are cumulative through November 30, 2006.

Community Participation Summary

Community-Level Participation

CT Municipality ²	Date of Commitment to SmartPower's 20% by 2010 Campaign	Date of Qualification as a Connecticut Clean Energy Community ³	Date received Community Innovations Grant ⁴
New Haven	Feb-04	Jun-05	
Portland	Nov-04	Jun-06	Jun-06
Milford	Jan-05	Jan-06	Sep-06
West Hartford	Jan-05	Jun-05	Oct-06
Fairfield	Feb-05	Nov-05	Jul-06
New Britain	Feb-05		
Westport	Mar-05		
Stamford	Apr-05	Nov-05	
Canton	Apr-05	Nov-06	
Orange	May-05		
Middletown	May-05	Jun-05	Jul-06
Trumbull	Jun-05		Sep-06
Hamden	Jul-05	Oct-05	Sep-06
Mansfield	Jul-05	Feb-06	Sep-06
Cheshire	Aug-05	Nov-06	
Bethany	Aug-05	Nov-06	Aug-06
Woodbridge	Sep-05		
Glastonbury	Jan-06	Jan-06	
Essex	Feb-06		Oct-06
Hartford	Feb-06	Feb-06	
Branford	Mar-06	Apr-06	
Wethersfield	Apr-06	Nov-06	Nov-06
Easton	Apr-06		
Harwinton	Apr-06		Nov-06
Chester	May-06		Nov-06
Plainville	May-06		
Meriden	Aug-06		Oct-06
Norfolk	Aug-06		Sep-06
Middlefield	Oct-06		
Newtown	Nov-06	Nov-06	
Total	30 Municipalities	17 Municipalities	15 Municipalities

² Connecticut is subdivided into eight counties and 169 municipalities. Of the 169 municipalities, ratepayers in 165 municipalities are eligible to participate in the Clean Energy Options Program. The four excluded municipalities are Groton, Norwich, Bozrah, and Wallingford.

³ Municipalities can qualify as a Connecticut Clean Energy Community in several ways, but most commonly by having at least 100 signups to the Connecticut Clean Energy Options Program.

⁴ Communities that have committed to SmartPower's 20% by 2010 Campaign are eligible to receive a \$5,000 Community Innovation Grant. The grants are used to support local clean energy awareness and education projects.

Community-Level Participation (Continued)

- As of November 30, 2006, there are 30 SmartPower 20% by 2010 campaign participants, 17 qualifying Connecticut Clean Energy Communities, and 15 recipients of Community Innovation Grants.
 - During November, 2006, one municipality joined the 20% by 2010 Campaign
 - During November, 2006, five municipalities qualified as Connecticut Clean Energy Communities.
 - During November, 2006, three municipalities received Community Innovation Grants.

Signup Indicators

Commercial and Residential Signups by Municipality

Municipality	Total Signup Points ⁵	Percent of Total Signup Points	Total Signups	Date of Commitment to SmartPower's 20% by 2010 Campaign	Date of Qualification as a Connecticut Clean Energy Community	Date received Community Innovations Grant
Andover	6	0.1%	6			
Ansonia	13	0.1%	14			
Ashford	35	0.4%	39			
Avon	68.5	0.7%	81			
Barkhamsted	18	0.2%	19			
Beacon Falls	7.5	0.1%	9			
Berlin	35	0.4%	43			
Bethany	115	1.2%	118	Aug-05	Nov-06	Aug-06
Bethel	58.5	0.6%	64			
Bethlehem	21	0.2%	22			
Bloomfield	61.5	0.6%	73			
Bolton	30	0.3%	37			
Bozrah	0	0.0%	0			
Branford	262	2.6%	277	Mar-06	Apr-06	
Bridgeport	65	0.7%	75			
Bridgewater	7.5	0.1%	9			
Bristol	76	0.8%	90			
Brookfield	23	0.2%	29			
Brooklyn	13.5	0.1%	15			
Burlington	32	0.3%	34			
Canaan	16	0.2%	21			
Canterbury	2	0.0%	2			
Canton	105.5	1.1%	115	Apr-05	Nov-06	
Chaplin	13	0.1%	15			
Cheshire	165.5	1.7%	173	Aug-05	Nov-06	
Chester	48.5	0.5%	54	May-06		Nov-06
Clinton	41	0.4%	46			
Colchester	34	0.3%	41			
Colebrook	5.5	0.1%	6			
Columbia	19.5	0.2%	23			
Cornwall	22.5	0.2%	24			
Coventry	56	0.6%	60			
Cromwell	41.5	0.4%	48			
Danbury	103	1.0%	118			
Darien	24.5	0.2%	29			
Deep River	18.5	0.2%	21			
Derby	12.5	0.1%	14			

⁵ One signup point is equal to one household signup that agrees to purchase 100% of their electricity through the Clean Energy Options Program, or two household signups that agree to purchase 50% of their electricity each through the Clean Energy Options Program.

Municipality	Total Signup Points ⁵	Percent of Total Signup Points	Total Signups	Date of Commitment to SmartPower's 20% by 2010 Campaign	Date of Qualification as a Connecticut Clean Energy Community	Date received Community Innovations Grant
Durham	30	0.3%	34			
East Granby	13	0.1%	14			
East Haddam	44.5	0.4%	49			
East Hampton	40.5	0.4%	44			
East Hartford	79	0.8%	86			
East Haven	46	0.5%	52			
East Lyme	53	0.5%	63			
East Windsor	29	0.3%	33			
Eastford	5	0.1%	6			
Easton	29	0.3%	33	Apr-06		
Ellington	33	0.3%	41			
Enfield	52	0.5%	65			
Essex	54	0.5%	59	Feb-06		Oct-06
Fairfield	298.5	3.0%	340	Feb-05	Nov-05	Jul-06
Farmington	89.5	0.9%	101			
Franklin	4	0.0%	5			
Glastonbury	271.5	2.7%	293	Jan-06	Jan-06	
Goshen	23	0.2%	26			
Granby	43.5	0.4%	48			
Greenwich	143.5	1.5%	156			
Griswold	11.5	0.1%	13			
Groton	12.5	0.1%	14			
Guilford	149	1.5%	169			
Haddam	45	0.5%	50			
Hamden	270	2.7%	297	Jul-05	Oct-05	Sep-06
Hampton	11.5	0.1%	13			
Hartford	158.5	1.6%	169	Feb-06	Feb-06	
Hartland	8.5	0.1%	9			
Harwinton	21.5	0.2%	26	Apr-06		Nov-06
Hebron	35	0.4%	37			
Kent	5.5	0.1%	6			
Killingly	24.5	0.2%	29			
Killingworth	20	0.2%	22			
Lebanon	11.5	0.1%	13			
Ledyard	40.5	0.4%	47			
Lisbon	1	0.0%	1			
Litchfield	30.5	0.3%	33			
Lyme	29	0.3%	36			
Madison	72.5	0.7%	85			
Manchester	203	2.1%	227			
Mansfield	217	2.2%	242	Jul-05	Feb-06	Sep-06
Marlborough	20	0.2%	23			
Meriden	64.5	0.7%	74	Aug-06		Oct-06
Middlebury	8	0.1%	10			
Middlefield	25.5	0.3%	28	Oct-06		

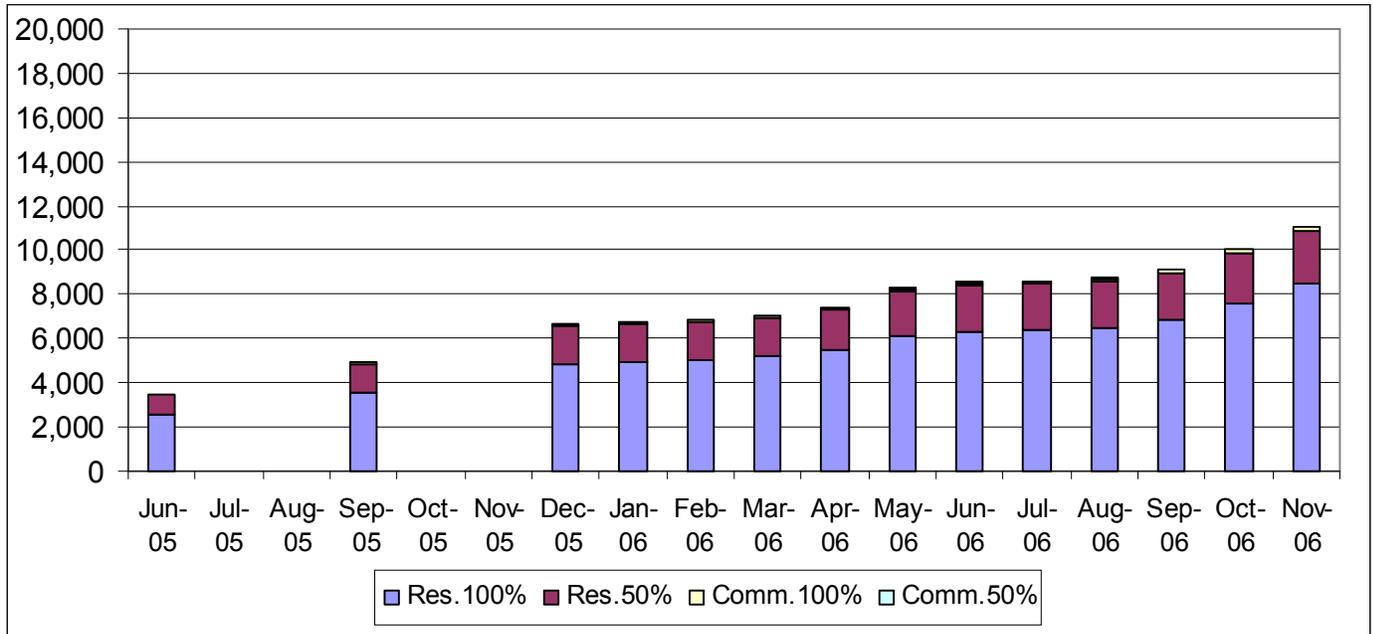
Municipality	Total Signup Points ⁵	Percent of Total Signup Points	Total Signups	Date of Commitment to SmartPower's 20% by 2010 Campaign	Date of Qualification as a Connecticut Clean Energy Community	Date received Community Innovations Grant
Middletown	252	2.5%	277	May-05	Jun-05	Jul-06
Milford	174	1.8%	201	Jan-05	Jan-06	Sep-06
Monroe	28	0.3%	31			
Montville	20.5	0.2%	23			
Morris	6.5	0.1%	8			
Naugatuck	23.5	0.2%	28			
New Britain	90	0.9%	107	Feb-05		
New Canaan	39	0.4%	46			
New Fairfield	22.5	0.2%	25			
New Hartford	36.5	0.4%	40			
New Haven	681.5	6.9%	723	Feb-04	Jun-05	
New London	42.5	0.4%	46			
New Milford	61.5	0.6%	70			
Newington	67	0.7%	78			
Newtown	79	0.8%	93	Nov-06	Nov-06	
Norfolk	47.5	0.5%	55	Aug-06		Sep-06
North Branford	11.5	0.1%	15			
North Canaan	4.5	0.0%	5			
North Haven	59.5	0.6%	68			
North Stonington	17.5	0.2%	19			
Norwalk	125	1.3%	138			
Norwich	2	0.0%	2			
Old Lyme	59	0.6%	69			
Old Saybrook	38.5	0.4%	45			
Orange	35.5	0.4%	44	May-05		
Oxford	27	0.3%	29			
Plainfield	14	0.1%	15			
Plainville	31	0.3%	35	May-06		
Plymouth	17.5	0.2%	20			
Pomfret	6.5	0.1%	8			
Portland	184.5	1.9%	212	Nov-04	Jun-06	Jun-06
Preston	6	0.1%	6			
Prospect	13.5	0.1%	14			
Putnam	19	0.2%	21			
Redding	45.5	0.5%	53			
Ridgefield	80	0.8%	88			
Rocky Hill	57	0.6%	64			
Roxbury	15.5	0.2%	17			
Salem	10.5	0.1%	14			
Salisbury	34	0.3%	37			
Scotland	4	0.0%	5			
Seymour	14.5	0.1%	17			
Sharon	23.5	0.2%	25			
Shelton	34	0.3%	43			
Sherman	9.5	0.1%	12			

Municipality	Total Signup Points ⁵	Percent of Total Signup Points	Total Signups	Date of Commitment to SmartPower's 20% by 2010 Campaign	Date of Qualification as a Connecticut Clean Energy Community	Date received Community Innovations Grant
Simsbury	99.5	1.0%	121			
Somers	15.5	0.2%	17			
South Windsor	70.5	0.7%	79			
Southbury	71	0.7%	86			
Southington	52.5	0.5%	62			
Sprague	4.5	0.0%	5			
Stafford	31	0.3%	37			
Stamford	225.5	2.3%	252	Apr-05	Nov-05	
Sterling	3	0.0%	3			
Stonington	142	1.4%	157			
Stratford	77.5	0.8%	88			
Suffield	31.5	0.3%	36			
Thomaston	5.5	0.1%	6			
Thompson	9	0.1%	10			
Tolland	55	0.6%	64			
Torrington	61	0.6%	70			
Trumbull	53.5	0.5%	60	Jun-05		Sep-06
Union	1.5	0.0%	2			
Vernon	83	0.8%	99			
Voluntown	6	0.1%	6			
Wallingford	0	0.0%	0			
Warren	7.5	0.1%	8			
Washington	22.5	0.2%	27			
Waterbury	42.5	0.4%	51			
Waterford	45.5	0.5%	54			
Watertown	19	0.2%	24			
West Hartford	693	7.0%	758	Jan-05	Jun-05	Oct-06
West Haven	64	0.6%	74			
Westbrook	25	0.3%	28			
Weston	18.5	0.2%	19			
Westport	97	1.0%	112	Mar-05		
Wethersfield	102.5	1.0%	116	Apr-06	Nov-06	Nov-06
Willington	28	0.3%	30			
Wilton	53.5	0.5%	61			
Winchester	28	0.3%	32			
Windham	77	0.8%	84			
Windsor	88.5	0.9%	101			
Windsor Locks	23	0.2%	29			
Wolcott	18.5	0.2%	21			
Woodbridge	41	0.4%	48	Sep-05		
Woodbury	40	0.4%	45			
Woodstock	33	0.3%	37			
Totals	9,892.0	100.0%	11,095	30 Participating Municipalities	17 Qualifying Municipalities	15 Recipient Municipalities

Commercial and Residential Signups by Municipality (Continued)

- Signup growth increased in November, perhaps in part due to bill inserts and a direct mailing sent to some ratepayers in September.
- Total signups increased by 1,068 and signup points increased by 1,032.5 during the month of November, 2006 compared to increases of 910 signups and 793.5 signup points in October.
- In November, 102 municipalities gained signups, 8 communities lost signups, and 59 experienced no change in signups.
- The average change in signup points in November is 6.1 signup points per municipality.

Total Signups Over Time (Target = 20,000)



- As of November 30, 2006, signups to the Connecticut Clean Energy Options Program total 11,095 accounting for 9,892 signup points, or 8,689 signups at 100% and 2,406 signups at 50%.
- Total signups increased by 11% during the month of November, 2006.
- Total signups account for 55% of the CCEF’s 2007 statewide goal of 20,000 signups.
- As of November 30, 2006, there are 10,913 residential signups, representing 98% of all signups, and 9,721 residential signup points, representing 98% of all signup points. In addition, there are 8,689 residential and commercial 100% signup participants, representing 78% of total signups.
- Since the program’s launch, the percentage of residential signup points has remained at 98% of total signup points or higher.

Top 20 Connecticut Municipalities in Total Signup Points

Rank	Municipality	Smart Power 20% by 2010 Campaign Joined	Connecticut Clean Energy Community Qualified	Community Innovations Grant Awarded	Residential Signup Points	Commercial Signup Points	Total Signup Points
1	West Hartford	Jan-05	Jun-05	Oct-06	686	7	693
2	New Haven	Feb-04	Jun-05		669.5	12	681.5
3	Fairfield	Feb-05	Nov-05	Jul-06	295.5	3	298.5
4	Glastonbury	Jan-06	Jan-06		267.5	4	271.5
5	Hamden	Jul-05	Oct-05	Sep-06	268	2	270
6	Branford	Mar-06	Apr-06		257	5	262
7	Middletown	May-05	Jun-05	Jul-06	244	8	252
8	Stamford	Apr-05	Nov-05		220.5	5	225.5
9	Mansfield	Jul-05	Feb-06	Sep-06	217	0	217
10	Manchester				202	1	203
11	Portland	Nov-04	Jun-06	Jun-06	181.5	3	184.5
12	Milford	Jan-05	Jan-06	Sep-06	170	4	174
13	Cheshire	Aug-05	Nov-06		163.5	2	165.5
14	Hartford	Feb-06	Feb-06		151	7.5	158.5
15	Guilford				143	6	149
16	Greenwich				143.5	0	143.5
17	Stonington				139	3	142
18	Norwalk				123.5	1.5	125
19	Bethany	Aug-05	Nov-06	Aug-06	115	0	115
20	Canton	Apr-05	Nov-06		105.5	0	105.5
	Top 20 (of Total 165 Eligible Municipalities)	15 (of 30 Participating Municipalities)	15 (of 17 Qualifying Municipalities)	8 (of 15 Recipient Municipalities)	4,762.5 (of 9,721 Total Res. Signup Points)	74 (of 171 Total Comm. Signup Points)	4,836.5 (of 9,892 Total CT Signup Points)

Top 20 Connecticut Municipalities in Total Signup Points (Continued)

- The top municipality in total signup points is now West Hartford at 693, followed by New Haven at 681.5 (both Connecticut Clean Energy Communities).
- Ten municipalities have 200 or more signup points, representing an increase of four municipalities with 200 or more signup points from October.
- Ten municipalities have between 100 and 200 signup points, representing a decrease of one municipality from October.
- All of the top 20 communities have 100 signup points or more, an increase of three municipalities from October, 2006.
- Of total signup points, the top 20 municipalities include 15 of thirty 20% by 2010 Campaign participants, 15 of 17 qualifying Connecticut Clean Energy Communities and eight of 15 municipalities that have received Community Innovation Grants. This represents an increase of one 20% by 2010 participants, three qualifying CCECs and one Community Innovation Grant recipient from October.
- The top 20 municipalities in signup points represent 49%, 43%, and 49% of residential, commercial, and total signup points, respectively.
- There were three changes in the top 20 municipalities in signup points from October to November, with Bethany, Canton and Cheshire entering the top 20 and Simsbury, Westport and Wethersfield dropping out.

Total Signup Points for Connecticut Clean Energy Communities

	Number of Municipalities (Percent of Total)	Residential Signup Points (Percent of Total)	Commercial Signup Points (Percent of Total)	Total Signup Points (Percent of Total)
Clean Energy Communities	17 (10%)	4,189.5 (43%)	66 (39%)	4,255.5 (43%)
Nonparticipants	148 (90%)	5,531.5 (57%)	105 (61%)	5,636.5 (57%)
Totals	165 (100%)	9,721 (100%)	171 (100%)	9,892 (100%)

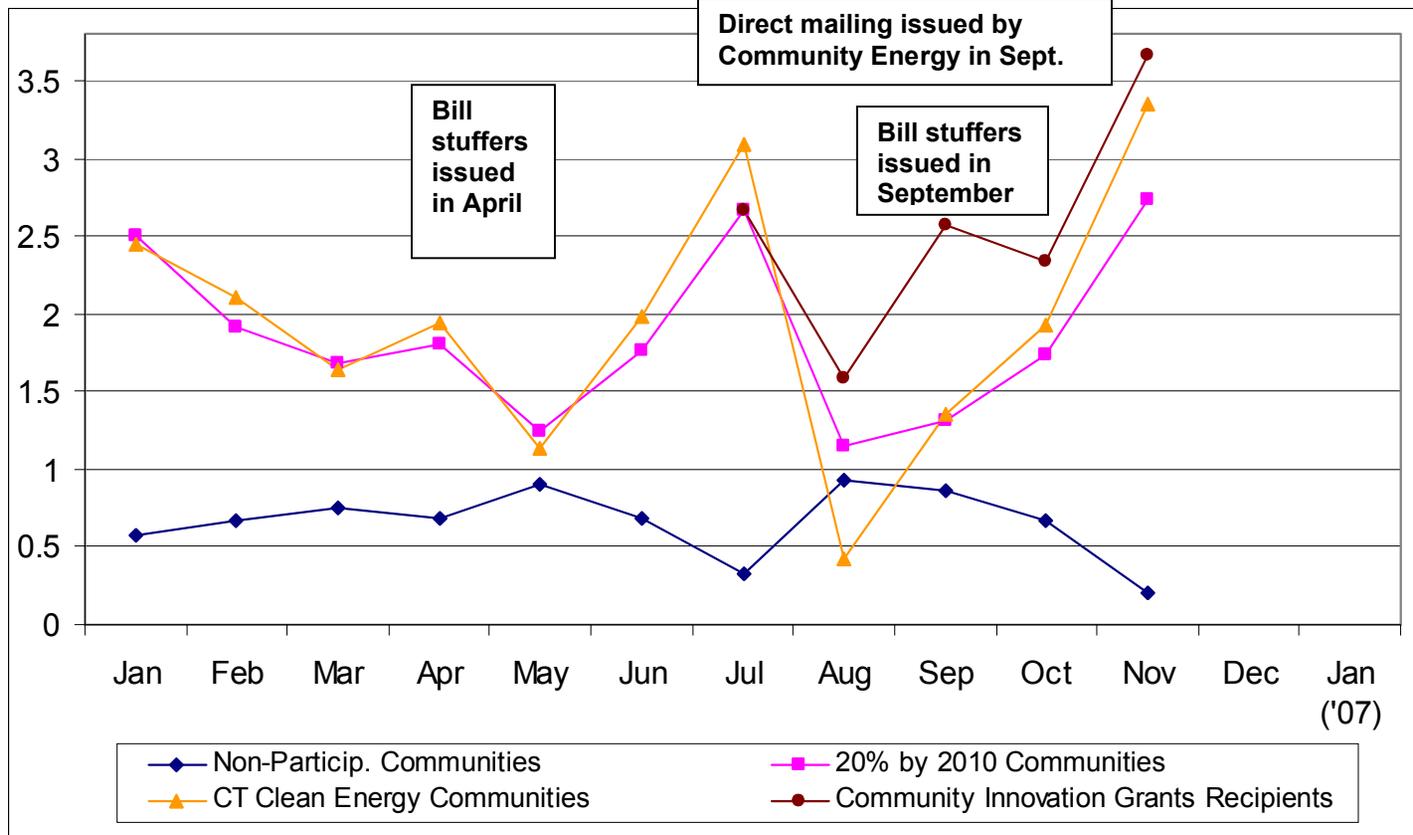
- As of November 30, 2006, 17 Connecticut Clean Energy Communities represent only 10% of all municipalities, but 43%, 39%, and 43% of residential, commercial, and total signup points. The percentage of residential and total signup points accounted for by CCECs increased by 9% in November and the percentage of commercial signup points accounted for increased by 4%.

Monthly Increases in Signup Points and Signups for SmartPower 20% by 2010 Communities and Connecticut Clean Energy Communities

	Number of Municipalities (Percent of Total)	Monthly Increase, Signup Points (Percent of Total)	Monthly Increase, Signups (Percent of Total)	Total Households (Percent of Total)	Ratio of Percentage of Monthly Increase in Signup Points to Percentage of CT Households	Ratio of Percentage of Monthly Increase in Signups to Percentage of CT Households
SmartPower 20% by 2010 Communities	30 (18%)	898.5 (87%)	916 (86%)	419,817(31%)	2.8	2.7
Clean Energy Communities	17 (10%)	840.5 (81%)	854 (80%)	319,159 (24%)	3.4	3.3
Community Innovation Grants	15 (9%)	495.5 (48%)	506 (47%)	173,170 (13%)	3.7	3.7
Nonparticipants	135 (82%)	371 (47%)	424 (47%)	916,857 (69%)	0.2	0.2
Totals	165 (100%)	1,032.5 (100%)	1,068 (100%)	1,336,674		

- Thirty SmartPower 20% by 2010 Communities account for 87% of the monthly increase in signup points and 86% of the monthly increase in signups though they only account for 18% of all municipalities and 31% of all households. This represents an increase from October in the percentage of the total monthly increase in both signup points (53% in October) and signups (53% in October).
- Seventeen Connecticut Clean Energy Communities (CCECs) account for 81% of the monthly increase in signup points and 80% of the monthly increase in signups while they account for 10% of the municipalities and 24% of all households. This represents an increase from October in the percentage of the total monthly increase in both signup points (41% in October) and signups (41% in October).
- Fifteen communities that have received Community Innovation Grants account for 48% of the monthly increase in signup points and 47% of the monthly increase in signups while they account for 9% of the municipalities and 13% of all households. This represents an increase from October in the percentage of the total monthly increase in both signup points (27% in October) and signups (28% in October)
- SmartPower 20% by 2010 Communities, CCECs and Community Innovation Grant communities account for a disproportionate amount of new signups in November relative to the number of households found in their communities, with a ratio of the percentage of monthly signup increase to percentage of Connecticut households of 2.7:1, 3.2:1 and 3.7:1, respectively.

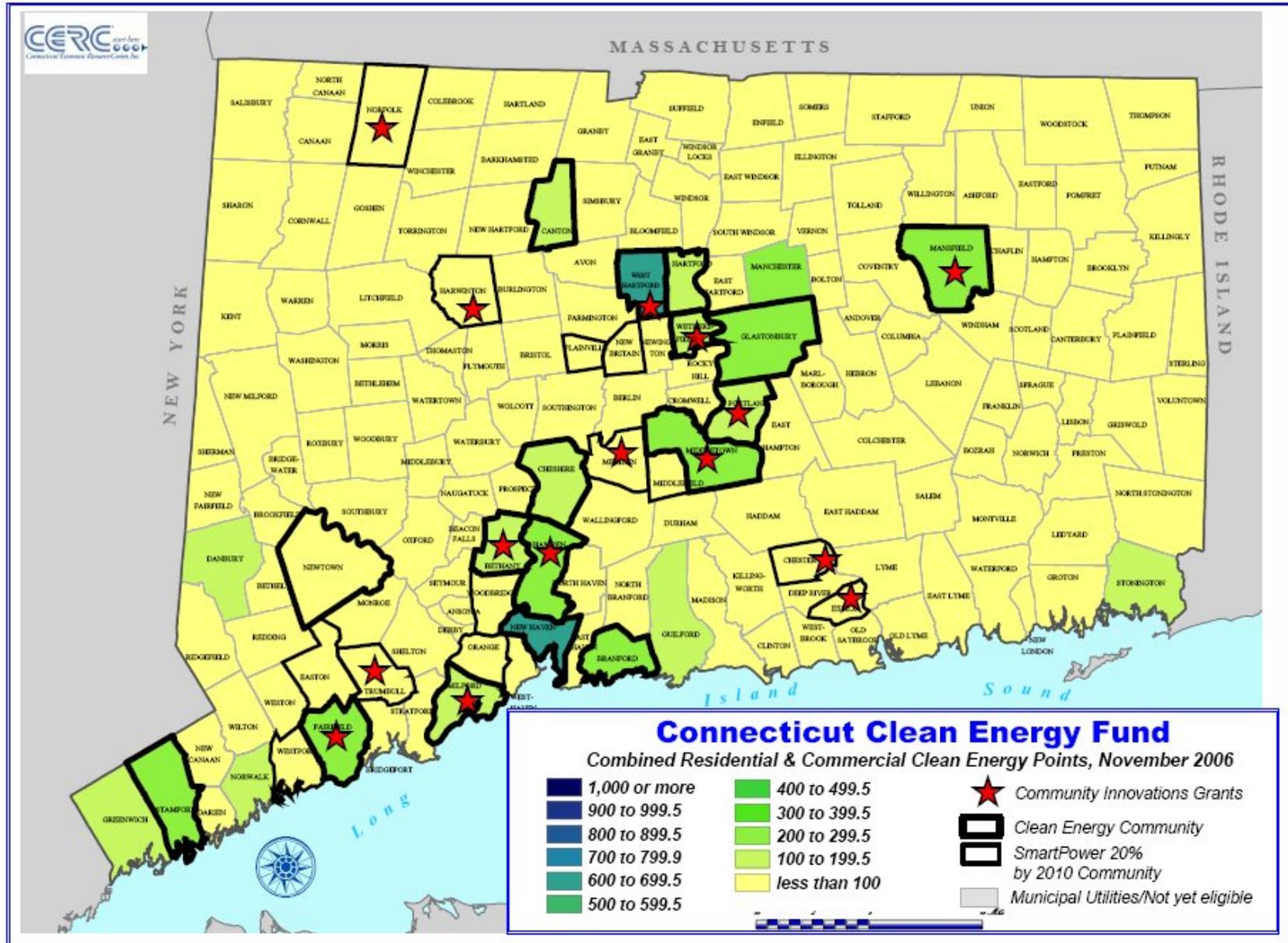
Index of Signup Growth, Adjusted for the Number of Households⁶



- Nonparticipating municipalities account for a smaller proportion of the amount of new signups in November than in October.
- 20% by 2010 Communities, Connecticut Clean Energy Communities (CCECs), and Community Innovation Grants Recipients account for disproportionate amounts of new signups in October.
- Nearly all SmartPower 20% by 2010 Communities (27 of 30), all CCECs and all Community Innovation Grants Recipients increased their numbers of signups in November. All fourteen communities with signup point increases over 10 were 20% by 2010 Communities.
- The number of nonparticipating communities that lost signups remained nearly the same as six communities lost signups in November compared to five in October.

⁶ The index, calculated for each category of communities, is a ratio of the percentage of the monthly increase in signups to the percentage of Connecticut households found in each category of communities.

Map of Combined Residential and Commercial Clean Energy Signup Points by Municipality



Household Penetration Indicators

Top 20 Connecticut Municipalities in Household Penetration

Rank	Municipality	Smart Power 20% by 2010 Campaign Participant	Connecticut Clean Energy Community Qualifier	Community Innovations Grant Awarded	Residential Signup Points	Households	Household Penetration
1	Norfolk	Aug-06		Sep-06	41.5	687	7.1%
2	Bethany	Aug-05	Nov-06	Aug-06	115	1,798	6.6%
3	Portland	Nov-04	Jun-06	Jun-06	181.5	3,483	6.0%
4	Canaan				16	458	4.6%
5	Mansfield	Jul-05	Feb-06	Sep-06	217	5,576	4.3%
6	Lyme				28.5	886	4.0%
7	Cornwall				21.5	655	3.5%
8	Chester	May-06		Nov-06	47	1,628	3.2%
9	Canton	Apr-05	Nov-06		105.5	3,767	3.1%
10	West Hartford	Jan-05	Jun-05	Oct-06	686	24,999	3.0%
11	Ashford				34	1,634	2.3%
12	Glastonbury	Jan-06	Jan-06		267.5	12,619	2.3%
13	Goshen				23	1,148	2.3%
14	Old Lyme				57	3,079	2.2%
15	Branford	Mar-06	Apr-06		257	12,692	2.1%
16	Salisbury				34	1,824	2.0%
17	Guilford				143	8,220	2.0%
18	Essex	Feb-06		Oct-06	54	3,034	1.9%
19	Stonington				139	8,030	1.9%
20	Sharon				22.5	1,278	1.9%
	Top 20 (of Total 165 Eligible Municipalities)	10 (of 30 Participating Municipalities)	7 (of 17 Qualifying Municipalities)	7 (of 15 Recipient Municipalities)	2,490.5 (of 9,721 Total Res. Signup Points)	97,495 (of 1,336,674 Total Households)	

Top 20 Connecticut Municipalities in Household Penetration (Cont'd)

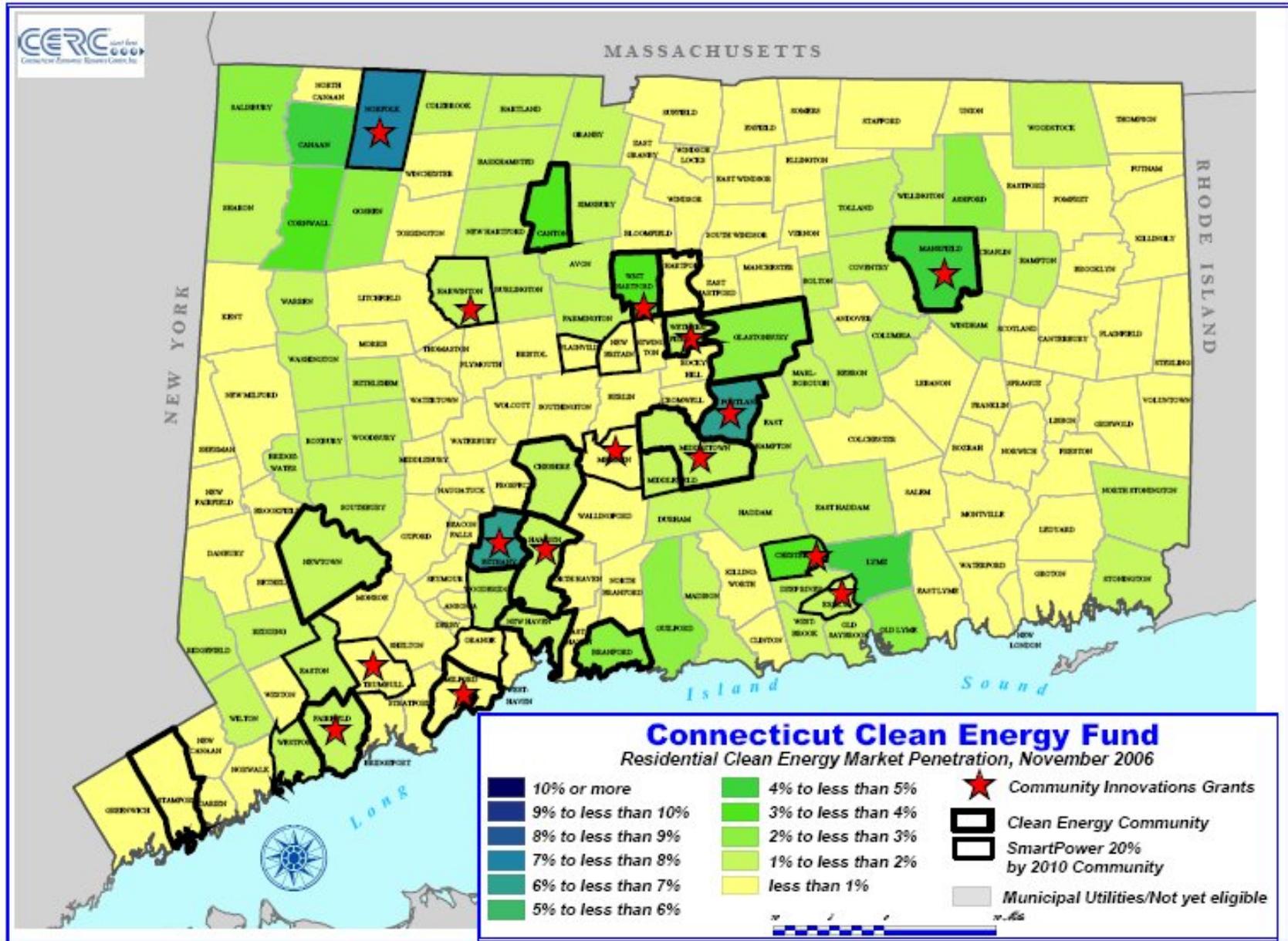
- The top municipality in household penetration is Norfolk (7.1%), followed by Bethany (6.6%), and Portland (6.0%). Fourteen other municipalities have household penetration rates between 2% and 5%.
- Six municipalities have household penetration rates of 4.0% or higher in November, an increase of two municipalities from October.
- Seventeen municipalities have household penetration rates of 2.0% or higher, an increase of three municipalities from October.
- In terms of household penetration, the top 20 municipalities include 10 of thirty 20% by 2010 Campaign participants, seven of 17 qualifying Connecticut Clean Energy Communities, and seven of 15 recipients of Community Innovation Grants.
- The top 20 municipalities in household penetration represent 26% of residential signup points but 7% of eligible Connecticut households, an increase of 7% of residential signup points from October.
- There were four changes in the top 20 municipalities in household penetration from October to November, with Branford, Essex, Glastonbury and Sharon entering the top 20 and Bolton, Haddam, Redding and Roxbury dropping out.

Average Household Penetration for Connecticut Clean Energy Communities versus Nonparticipants

	Number of Municipalities (Percent of Total)	Average Household Penetration	Total Households (Percent of Total)
Clean Energy Communities	17 (10%)	2.3%	319,159 (24%)
Nonparticipants	148 (90%)	1.0%	1,017,515 (76%)
Totals	165 (100%)	1.1%	1,336,674 (100%)

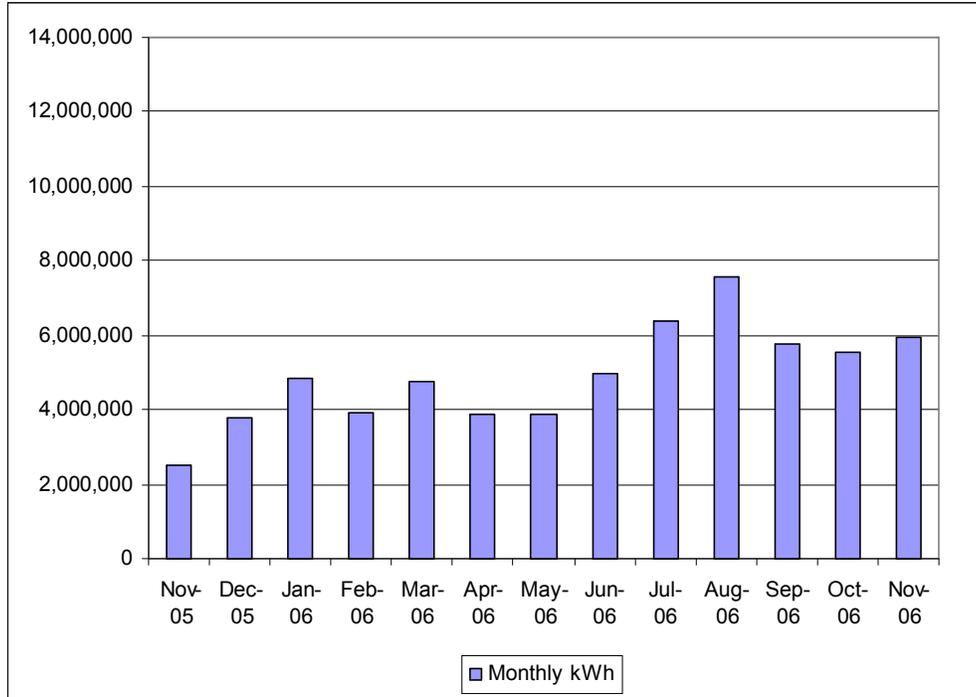
- As of November 30, 2006, 17 Connecticut Clean Energy Communities have an average household penetration rate of 2.3% while the remaining 148 nonparticipating communities have an average household participation rate of 1.0%. The average household penetration rates for CCECs increased by 0.6% and the average household penetration rate for nonparticipants and all communities increased by 0.1% from October to November.
- The ratio of average household participation rates of CCEC to nonparticipating communities is 2.4:1, an increase of 0.6 from October to November.

Map of Residential Penetration by Municipality



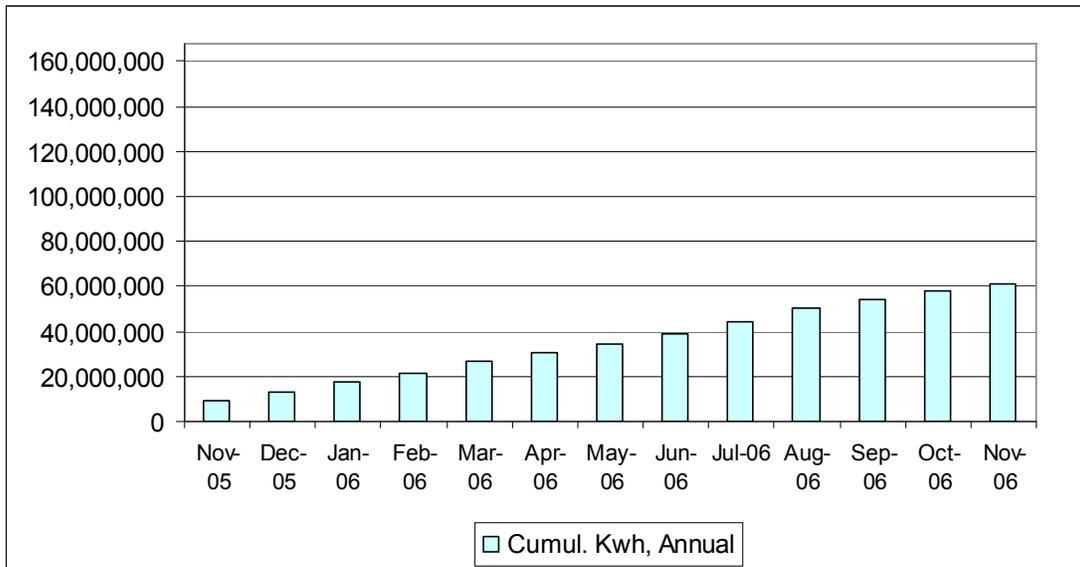
Energy Consumption Indicators

Average Monthly kWh Consumption (Target = 14,000,000)



- The monthly kWh consumption in November, 2006 was 5,964,324 kWh, or 43% of the monthly target of 14,000,000 kWh.

Total Annual kWh Consumption (Target 168,000,000)



- Annual cumulative kWh consumption through November, 2006 was 61,261,191 kWh, or 36% of the annual kWh consumption target of 168,000,000 kWh.

Environmental Benefits Indicators^{7, 8}

Projected Potential Monthly Emissions Reductions⁹

Emissions	Unit	Emission Factors	Emissions Reductions	
CO ₂	lbs/MWh	869.380	2,593	tons CO₂
Carbon Equivalent	MTCE/MWh	0.108	641	MTCE

- The estimated monthly reduction of CO₂ attributable to 5,964,324 kWh is 2,593 tons of CO₂ and 641 MTCE.

Projected Potential Monthly Conventional Fuel Avoided¹⁰

Fuel / Source	NEPOOL Mix (%)	Monthly MWh Avoided (MWh)	Monthly Avoided Primary Heat Generation (mmBTU) ¹¹	Consumption Avoided	
Coal	12.59%	751	7,587	361	tons coal
Oil	5.61%	335	3,384	583	barrels oil
Natural Gas	35.44%	2,114	21,363	22,024	mcf gas
Raw Uranium Ore (Nuclear) ¹²	31.18%	1,860		31,701	lbs U ore

- In terms of conventional fuel, the 5,964,324 kWh are equivalent to 361 tons of coal, 583 barrels of oil, 22,024 mcf of natural gas and 31,701 pounds of Uranium Ore.

⁷ Environmental benefits are based on monthly kWh consumption for November of 5,964,324 kWh. In addition, analysis assumes equivalent generation from only non-polluting renewable sources - e.g. solar, wind, hydro. Does not include fuel cell, land fill gas or other sources that generate emissions

⁸ Environmental benefits calculations assume that the 5,964,324 kWh of electricity would have been generated in the NEPOOL territory in the absence of the CT Clean Energy Options Program.

⁹ Average emission factors for NEPOOL region wide residual mix from 3rd Quarter 2005 to 2nd Quarter 2006.

Source: <https://www.nepoolgis.com/myModule/rpt/myrpt.asp?r=112>

¹⁰ Sources: (a) Average NEPOOL region wide residual mix from 3rd Quarter 2005 to 2nd Quarter 2006, (b) EPA's Unit Conversions, Emissions Factors, and Other Reference Data Report (Nov 2004) - <http://www.epa.gov/appdstar/pdf/brochure.pdf> [EPA Nov 2004]

¹¹ BTU/kWh conversion of 10,107 BTU/kWh used - approximately 34% plant efficiency. Source [EPA Nov 2004]

¹² Source: <http://www.uic.com.au/wast.htm>. Assumes 50,000 tonnes/yr of uranium ore to support a 1,000 MW light water nuclear plant. Assuming 75% capacity factor gives 6,570,000 MWh/yr.

Projected Potential Monthly Fossil Fuel Consumption Equivalents¹³

	Consumption Equivalents	
Cars	207	cars
Acres of Forest (Sequestration)	641	acres

- Monthly kWh are equivalent to removing 207 cars from the road for a year and planting 641 acres of forest.

¹³ Assumes CO2 emission of 12,100 lbs/yr for an average passenger vehicle. Source: EPA's Unit Conversions, Emissions Factors, and Other Reference Data Report (Nov 2004).