

Efficiency Upgrades For Old Appliances

Appliance	Old Usage (kWh/yr)	Upgrade Type	Savings (kWh/yr)	New Usage (kWh/yr)	Rebate⁵ (UI & CL&P)
Tank-Type Water Heater	6618 (Heavy) 3764 (Avg.)	<i>GFX Power Booster</i>	2250 1280	4368 2484	\$75
Tankless Water Heater	5338 (Heavy) 2484 (Avg.)	”	2250 1280	3088 1204	\$75
Tank-Type Water Heater	6618 (Heavy) 3764 (Avg.)	<i>High Efficiency Water Heater</i>	370 310	6248 3454	N/A
Several Lighting Fixtures	1168	<i>Energy Star</i>	876	292	\$500
Refrigerator	900	”	348	552	\$100
Clothes Washer	580	”	290	290	N/A
Computer	506	”	281	225	N/A
Air Conditioner	1659	”	277	1382	\$55 - \$85/ton
Dishwasher	700	”	197	503	\$100
Television	105	”	86	19	N/A

Notes: (1) Energy Star Appliance information from Smart Living Center, Newington, CT (www.smartliving-ct.com);

(2) GFX savings are for Models G3-60 or S4-60;

(3) GFX can triple the shower capacity of a tank-type water heater & double that of a tankless heater;

(4) Water heater usage/savings were averaged over 5 U.S. DOE Climate Zones. (See Tables & DOE Reports @ www.gfxtechnology.com/bundles.html & CanadianEnergyguide/R-2000Energy-Credits link @ www.gfxtechnology.com;

(5) Rebates authorized by Connecticut Department of Public Utility Control, Docket No. 01-01-14, January 15, 2001.

**State Of Connecticut
Department of Public Utility Control
Docket No. 01-01-14**

**The Connecticut
Light and Power Company
and
The United Illuminating Company**

2001

**JOINT PROGRAMS
Conservation & Load Management
Plan**

Docket 01-01-14

January 15, 2001

Incentives - The Companies offer incentives to program participants in order to overcome market barriers to participation.

Custom Builder Incentive - The Companies will offer developers and builders incentives that are based on builders' individual needs to build ENERGY STAR Homes.

Lighting - for each home the Companies will provide up to 10 free, hardwired, ENERGY STAR lighting fixtures, three of which can be high efficient, low some bath fan/light combinations, with a maximum total incentive of \$500. The bath fan/light combinations are an excellent way to help participants meet the program requirement of mechanical ventilation to insure adequate indoor air quality. Participants are free to purchase any of these fixtures from either their retail or wholesale provider or the SmartLiving Catalog. Purchases from this program can be combined with SmartLiving Catalog and other program purchases.

Appliances - The Companies will explore the concept of an "ENERGY STAR Kitchen", perhaps as a builder option, to encourage the installation of more energy efficient appliances. The Companies will offer the following incentives:

Refrigerators - \$100 Dishwasher - \$100

Domestic Hot Water - for each home the Companies will provide the following:

GFX Heat Recovery Coil - \$75 - This device when used in conjunction with an electric hot water heater can provide energy savings by capturing heat from home drain pipes.

Hot Shot HPWH - for each home that heats its water with an electric water heater, the Companies will provide this device (valued at \$1,000). The customer will be responsible for the installation charge (currently \$150 from CL&P's trained contractors). (The GFX incentive is available only for electric water heaters.)

Central Air-Conditioners - The Companies will provide \$55 or \$85 per ton for participants that install SEER 12 or SEER 13

A/C units. There may be an increase in the national efficiency standard which may necessitate a subsequent adjustment to program requirements.

HVAC Commissioning - During 2001, the Companies will investigate the costs and benefits of supporting such an offering.

Marketing Strategy: The Energy Star Homes program is marketed to generate both a "pull" for these homes through mass marketing to customers as well as a "push" to developers and builders through face to face contact.

Targeted marketing may include newspaper, magazine, electric bills, radio, and TV.

Face to face contact will be accomplished through agents of the Companies and involve presentations, field training and demonstration, home shows, and seminars at the SmartLiving Centers.

For the low-income sector, the Companies will develop relationships with public housing authorities, contractors who work in low-income housing construction, Habitat for Humanity and perhaps builders of manufactured housing in order to promote the program and overcome the initial identified barriers.

Incentive Strategy: Incentives are designed with the intention of overcoming market barriers by increasing the awareness of the benefits of ENERGY STAR Homes among consumers, builders, lenders, realtors and other market players; by increasing the number of builders who are qualified to build ENERGY STAR homes, and increasing the market share for the ENERGY STAR Homes Program. The program offers various incentives for the purchase and installation of ENERGY STAR qualifying appliances such as refrigerators, dishwashers, lighting and bathroom ventilation fans. There are also incentives for GFX Heat Recovery Coil, and per ton incentives for SEER 12 and SEER 13 Central Air Conditioners. In addition, the program currently provides the HERS certification to Energy Star qualifying homes.

Identical Program: Please see program description and marketing above