

# NEW YORK ENERGY \$MART<sup>SM</sup> PROGRAM QUARTERLY EVALUATION AND STATUS REPORT

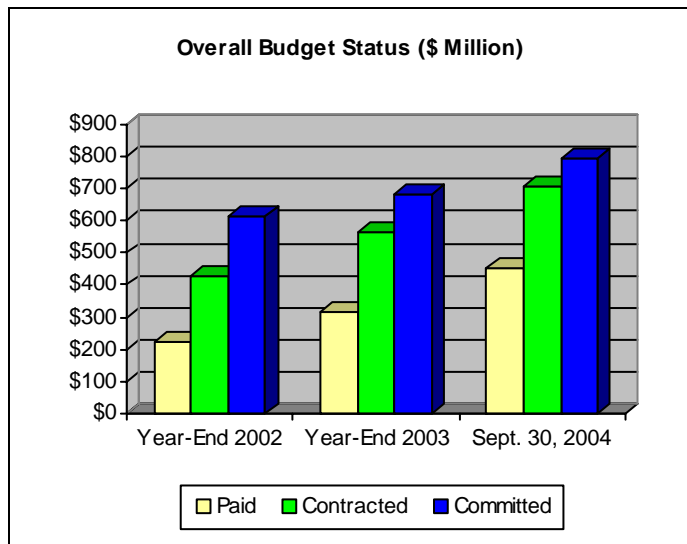
---

QUARTERLY REPORT TO THE DEPARTMENT OF PUBLIC SERVICE  
QUARTER ENDING SEPTEMBER 30, 2004



This report updates the **New York Energy Smart<sup>SM</sup>** Program progress through September 30, 2004. The following information is presented: (1) budget status; (2) summary of energy, economic, and environmental outcomes; (3) energy savings by program; and (4) solicitations that were released during the most recent quarter.

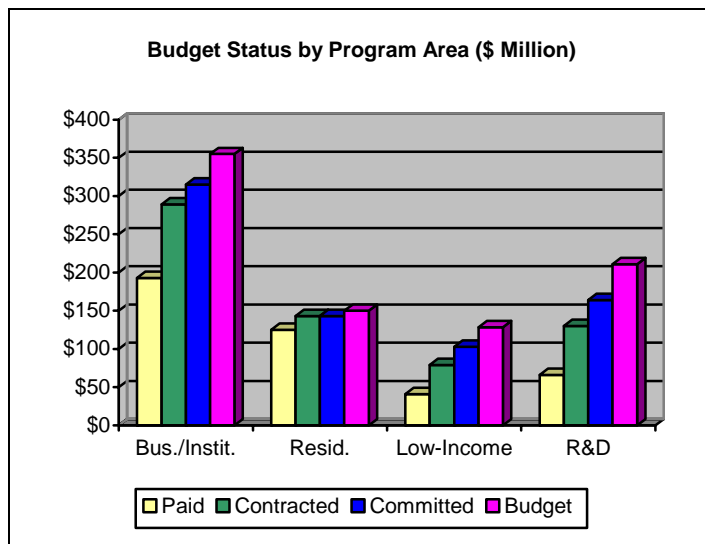
**Figure 1. Overall Budget Status**



As of September 30, 2004, nearly \$792 million of the \$942 million eight-year budget, or 84%, has been committed.<sup>1</sup> Approximately \$707 million, or 75% of the total budget, has been contracted, and \$455 million, or 48% of the total budget, has been paid out. Funds paid, contracted, and committed through year-end 2002, 2003, and the third quarter of 2004 are shown in Figure 1.

The budget status for each major program area is shown in Figure 2. The Business/Institutional Program area has committed 89% of the budgeted funds, the Residential Program area has committed 94% of the budgeted funds, the Low-Income Program area has committed 80% of budgeted funds, and the R&D Program area has committed 78% of budgeted funds. The proportion of paid funds relative to budgeted funds is as follows: Business/Institutional Program area has paid 46%, the Residential Program area has paid 81%, the Low-Income Program area has paid 32%, and the R&D Program area has paid 31% of budgeted funds. The higher payout rate for the Residential Program area is due to the shorter project turnaround times and funds paid directly for marketing support.

**Figure 2. Budget Status by Program Area as of September 30, 2004**



<sup>1</sup> Committed funds are funds associated with signed and pending contracts.

**ENERGY, ECONOMIC, AND ENVIRONMENTAL OUTCOMES SUMMARY**

Table 1 shows a summary of the energy, economic, and environmental outcomes from the **New York Energy \$mart<sup>SM</sup>** Program through year-end 2001, 2002, 2003, and the quarter ending September 30, 2004. As of September 30, 2004, annual electricity savings from installed measures were approximately 1,340 GWh. The peak demand reduction<sup>2</sup> from installed measures totaled approximately 1,135 MW, with 365 MW counted as permanent reductions available through energy efficiency improvements, and 770 MW available to be called upon when needed through load management programs (curtailable load). Energy bill savings from electricity, natural gas, and oil are estimated to be \$185 million per year. These savings occur every year that the measures are in place. Approximately 3,970 jobs were created through September 30, 2004 as a result of the Program.

**Table 1. Summary of Energy, Economic, and Environmental Outcomes From Installed Measures**

	Through Year-End 2001	Through Year-End 2002	Through Year-End 2003	Through Sept. 30, 2004
Electricity Savings From Energy Efficiency (Annual GWh)	400	690	1,000	1,340
Peak Demand Reduction (MW)	270	652	880	1,135
Permanent Measures (MW)	96	218	270	365
Curtailable Load (MW)	174	434	610	770
Annual Energy Bill Savings - Includes electricity, natural gas, and oil (\$ Million)	\$51	\$94	\$140	\$185
Renewable Energy Generation (Annual GWh)	103	103	101*	101
Jobs Attributable to the Program	2,800	3,200	3,500	3,970
NO <sub>x</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	415	675	950	1,265
SO <sub>2</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	750	1,190	1,700	2,175
CO <sub>2</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	320,000 (equivalent to removing 64,000 automobiles from New York roads)	528,000 (equivalent to removing 106,000 automobiles from New York roads)	750,000 (equivalent to removing 159,000 automobiles from New York roads)	1,004,000 (equivalent to removing 200,000 automobiles from New York roads)

\* Renewable Energy Generation (Annual GWh) revised due to application of lower capacity factors.

<sup>2</sup> The peak demand period is defined as June 1 to September 30, Monday through Friday, excluding holidays, 1 to 5 PM.

## ENERGY SAVINGS – SELECTED PROGRAMS

The energy benefits from energy efficiency and renewable/on-site generation measures installed through year-end 2001, 2002, 2003, and the quarter ending September 30, 2004 are shown in Table 2. Starting in 2003, the reported energy savings were adjusted by evaluation contractors that examined savings methodologies, program spillover, and other market effects. The adjustments were not applied to 2001 and 2002 savings values.

**Table 2. Energy and Peak Demand Reductions Summary**

	Installed Through Year-End 2001		Installed Through Year-End 2002		Installed Through Year-End 2003		Installed Through Sept. 30, 2004	
	GWh	MW	GWh	MW	GWh	MW	GWh	MW
<b>Business and Institutional Programs</b>								
C/I Performance Program	153.6	34.2	235.0	52.0	282.3	41.5	385.3	57.9
New Construction Program <sup>3</sup>	3.2	1.2	41.9	4.8	94.8	20.3	104.3	28.1
Smart Equipment Choices	-	-	13.0	6.0	48.9	22.7	51.4	29.9
Peak Load Reduction (Permanent Measures) <sup>4</sup>	14.7	6.1	47.8	19.9	43.9	15	62.2 <sup>5</sup>	25.8 <sup>5</sup>
Peak Load Reduction and Enabling Technology (Curtable Load Enabled)	-	174.6	-	434.2	-	598	-	769
Premium Efficiency Motors	2.2	0.5	5.0	1.0	6.3	1.2	8.1	1.5
Small Commercial Lighting	0.2	<0.1	1.9	0.4	3.8	0.95	11.5	2.6
Commercial HVAC	0.0	0	0.3	<0.1	0.3	0.1	0.1	0.1
Loan Fund	7.2	2.0	8.9	1.5	18.7	2.4	18.1	2.8
Technical Assistance Program	112.8	30.0	225.6	60.0	361.0	96.0	458.7	122.0
<b>Residential and Low-Income Programs</b>								
ENERGY STAR <sup>®</sup> Products	62.7	11.1	83.7	14.4	122.6	22.7	168.3	34.1
ENERGY STAR <sup>®</sup> Bulk Purchase*	1.2	0.3	12.6	4.6	18.5	3.7	18.5	3.7
Keep Cool <sup>6</sup>	5.3	8.8	25.2	41.8	24.4	38.2	21.0	32.9
ENERGY STAR <sup>®</sup> Homes	0.1	<0.1	0.5	0.3	1.1	0.4	1.9	0.7

<sup>3</sup> Third quarter 2004 savings from the New Construction Program do not include approximately 180 pre-qualified projects that will be added to the year-end 2004 savings using the deemed savings values provided by Nexant, Inc., NYSERDA's measurement and verification evaluation contractor.

<sup>4</sup> Savings from the Cooling Recommissioning Program, a pilot program that preceded the Peak Load Reduction Program, were not included due to uncertainty in the achieved savings. These savings will appear in the next annual report.

<sup>5</sup> Adjusted from previous quarter.

<sup>6</sup> As a result of the Keep Cool Tips marketing campaign, approximately 94 MW of load was shifted in Summer 2002 and approximately 35 MW was shifted in Summer 2003 by residents using clothes washers and dishwashers during off-peak hours.

**Table 2. Energy and Peak Demand Reductions Summary (cont.)**

	Installed Through Year-End 2001		Installed Through Year-End 2002		Installed Through Year-End 2003		Installed Through Sept. 30, 2004	
	GWh	MW	GWh	MW	GWh	MW	GWh	MW
<b>Residential and Low-Income Program (cont.)</b>								
Home Performance with ENERGY STAR®	0.1	<0.1	0.7	0.1	2.7	0.8	4.0	1.2
Residential Comprehensive Energy Management	0.2	0.1	4.7	1.3	7.7	7.1	10.1	8.0.
Assisted Multifamily Program	-	-	-	-	1.6	0.1	1.9	0.1
Low Income Direct Installation*					11.5	1.6	11.5	1.6
Weatherization Network Initiative							1.2	-
<b>Renewable Energy and Combined Heat and Power Installations</b>								
Renewables Program <sup>7</sup>	28.0	2.1	103.0	7.5	104.0	7.7	101 <sup>8</sup>	7.0 <sup>8</sup>
Combined Heat and Power Demonstrations	-	0.6	-	4.8	-	7.5	-	11.9

\*Program closed

## SOLICITATIONS UPDATE

Table 3 provides information on Requests for Proposals (RFPs) and Program Opportunity Notices (PONs) that were released during the third quarter of 2004.

**Table 3. Solicitations Released in Third Quarter 2004**

Solicitation Number	Solicitation Name	Solicitation Release Date	Solicitation Closing Date
<b>R&amp;D Program Area</b>			
PON 885	Accredited PV Training Programs	8/23/04	10/13/04
PON 886	Next Generation Energy Efficient End-Use Technologies	9/13/04	11/15/04
PON 887	Advanced Lighting Products and Technologies	9/20/04	11/9/04
<b>Residential and Low-Income Program Area</b>			
RFP 870	New York Energy Smart Communities Regional Coordinator	7/12/04	8/9/04

<sup>7</sup> Nameplate capacity of renewables installations is 42.6 MW.

<sup>8</sup> GWh revised due to application of lower capacity factors. MW reduced due to change of on-peak estimates.

