

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

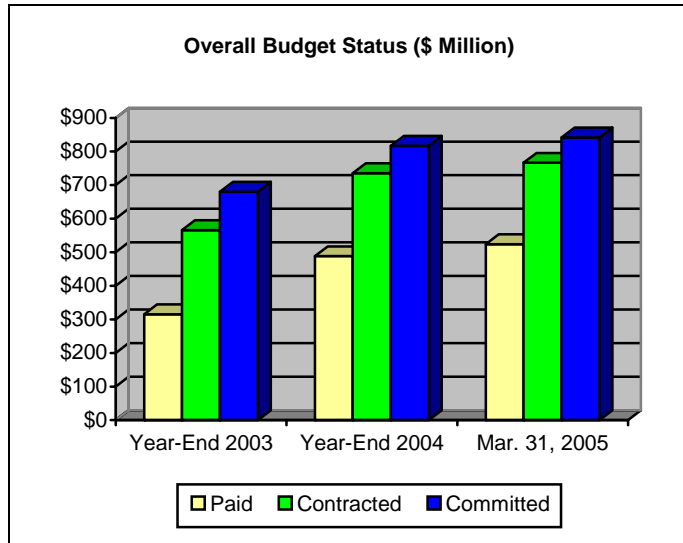
---

**QUARTERLY REPORT TO THE DEPARTMENT OF PUBLIC SERVICE  
QUARTER ENDING MARCH 31, 2005**



This report updates the **New York Energy Smart<sup>SM</sup>** Program progress through March 31, 2005. 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.

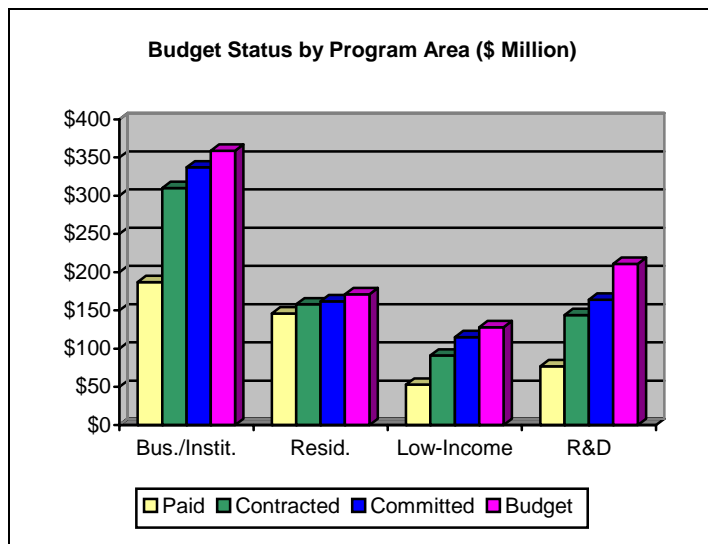
**Figure 1. Overall Budget Status**



As of March 31, 2005, nearly \$842 million of the \$961 million eight-year budget, or 88%, has been committed.<sup>1</sup> Approximately \$766 million, or 80% of the total budget, has been contracted, and \$525 million, or 55% of the total budget, has been paid out. Funds paid, contracted, and committed through year-end 2003, 2004 and the first quarter of 2005 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 94% of the budgeted funds, the Residential Program area has committed 95% of the budgeted funds, the Low-Income Program area has committed 90% 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 52%, the Residential Program area has paid 85%, the Low-Income Program area has paid 41%, and the R&D Program area has paid 37% 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 March 31, 2005**



<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 2002, 2003, 2004 and the quarter ending March 31, 2005. As of March 31, 2005, annual electricity savings from installed measures were approximately 1,500 GWh. The peak demand reduction<sup>2</sup> from installed measures totaled approximately 900 MW, with 348 MW counted as permanent reductions available through energy efficiency improvements and renewable and on-site generation, and 552 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 \$209 million per year. These savings occur every year that the measures are in place. Approximately 4,320 jobs were created through March 31, 2005 as a result of the Program.

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

	Through Year-End 2002	Through Year-End 2003	Through Year-End 2004	Through March 31, 2005
Electricity Savings From Energy Efficiency (Annual GWh)	690	1,000	1,400	1500
Peak Demand Reduction (MW)	652	880	860 <sup>a</sup>	900
Permanent Measures (MW)	218	270	325	348 <sup>c</sup>
Curtailable Load (MW)	434	610	535a	552
Annual Energy Bill Savings - Includes electricity, natural gas, and oil (\$ Million)	\$94	\$140	\$195	\$209
Renewable Energy Generation (Annual GWh)	103	103	102 <sup>b</sup>	102
Jobs Attributable to the Program	3,200	3,500	4,200	4,320
NO <sub>x</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	675	950	1,280	1,370
SO <sub>2</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	1,190	1,700	2,320	2,480
CO <sub>2</sub> Emissions Reductions Associated with Energy Efficiency and Renewable Energy Production (Annual Tons)	528,000 (equivalent to removing 106,000 automobiles from New York roads)	750,000 (equivalent to removing 159,000 automobiles from New York roads)	1,000,000 (equivalent to removing 200,000 automobiles from New York roads)	1,079,000 (equivalent to removing 216,000 automobiles from New York roads)

<sup>a</sup> Findings by Measurement and Verification contractor resulted in decreased curtailable MW and, consequently, total MW.

<sup>b</sup> Renewable Energy Generation (Annual GWh) revised due to application of lower capacity factor.

<sup>c</sup> Includes Renewable Energy Generation and Combined Heat & Power Demonstrations.

<sup>2</sup> The peak demand period is defined as June 1 to August 31, Monday through Friday, excluding holidays, 12 to 6 PM.

## ENERGY SAVINGS – SELECTED PROGRAMS

The energy benefits from energy efficiency and renewable/on-site generation measures installed through year-end 2002, 2003, 2004, and the quarter ending March 31, 2005 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 2002 and earlier savings values.

**Table 2. Energy and Peak Demand Reductions Summary<sup>3</sup>**

	Installed Through Year-End 2002		Installed Through Year-End 2003		Installed Through Year-End 2004		Installed Through March 31, 2005	
	GWh	MW	GWh	MW	GWh	MW	GWh	MW
<b>Business and Institutional (B/I) Programs</b>								
C/I Performance Program	235.0	52.0	282.3	41.5	515.4	75.4	558.3	81.4
New Construction Program	41.9	4.8	94.8	20.3	128.2	31.3	137.6	32.4
Smart Equipment Choices	13.0	6.0	48.9	22.7	52.7	11.2	55.7	15.1
Peak Load Reduction (Permanent Measures) <sup>4</sup>	47.8	19.9	43.9	15	68.8	27.0	75.9	29.9
Peak Load Reduction (Curtable Load Enabled) <sup>5</sup>	-	434.2	-	598	-	392.0	-	407.4
Enabling Technology (Curtable Load Enabled) <sup>5</sup>	-	-	-	-	-	135.6	-	135.6
Premium Efficiency Motors	5.0	1.0	6.3	1.2	8.3	1.3	8.5	1.3
Small Commercial Lighting	1.9	0.4	3.8	0.95	16.9	4.0	20.0	4.8
Hospitality Lighting Program	-	-	-	-	-	-	5.4	.6
Commercial HVAC	0.3	<0.1	0.3	0.1	8.3	2.6	8.3	2.6
Loan Fund	8.9	1.5	18.7	2.4	28.7	8.5	36.4	9.6
Technical Assistance Program	225.6	60.0	361.0	96.0	515.1	96.6	556.1	104.2
Technical Assistance Program (Curtable Load Enabled)	-	-	-	-	-	8.8	-	9.5
<b>Residential and Low-Income Programs</b>								
ENERGY STAR® Products	83.7	14.4	122.6	22.7	179.0	33.5	179.0	33.5

<sup>3</sup> Due to the integrated nature of NYSERDA's programs, savings for a measure may be claimed by each program the customer accessed. To accurately reflect net savings, deductions are made at the sector level to account for these instances of overlapping savings. Overlap for this quarter within the B/I sector programs is estimated to be 233.5 GWh and 45 MW; and cross-sector overlap is estimated at 21 GWh and 5 MW.

<sup>4</sup> Includes 25 GWh and 9 MW from the Cooling Recommissioning, a closed pilot program that preceded the Peak Load Reduction Program.

<sup>5</sup> Peak Load Reduction Program metrics for years ending 2002 and 2003 include Enabling Technology savings.

	Installed Through Year-End 2002		Installed Through Year-End 2003		Installed Through Year-End 2004		Installed Through March 31, 2005	
	GWh	MW	GWh	MW	GWh	MW	GWh	MW
ENERGY STAR® Bulk Purchase*	12.6	4.6	18.5	3.7	37.2	6.0	37.2	6.0
Keep Cool <sup>6</sup> *	25.2	41.8	24.4	38.2	27.8	47.6	27.8	47.6
ENERGY STAR® Homes	0.5	0.3	1.1	0.4	3.0	1.2	3.4	1.4
Home Performance with ENERGY STAR®	0.7	0.1	2.7	0.8	6.3	1.6	8.0	1.8
Residential Comprehensive Energy Mgmt.	4.7	1.3	7.7	7.1	2.9	3.1	2.9	3.1
Assisted Multifamily Program	-	-	1.6	0.1	2.5	0.2	2.9	0.2
Low Income Direct Installation*	-	-	11.5	1.6	11.5	1.6	11.5	1.6
Weatherization Network Initiative	-	-	-	-	2.0	0.3	2.7	0.4
<b>Renewable Energy and Combined Heat and Power Installations</b>								
Renewables Program <sup>7</sup>	103.0	7.5	104.0	7.7	102.0	7.4	102.0	7.7
Combined Heat & Power Demonstrations	-	4.8	-	7.5	60.8	13.1	60.8	13.1

\*Program closed

#### SOLICITATIONS UPDATE

Table 3 provides information on Requests for Proposals (RFPs) and Program Opportunity Notices (PONs) that were released during the first quarter of 2005.

**Table 3. Solicitations Released in First Quarter 2005**

Solicitation Number	Solicitation Name	Solicitation Release Date	Solicitation Closing Date
<b>R&amp;D Program Area</b>			
PON 914	Distributed Generation, Power Systems, and Combined Heat & Power	1/31/05	4/21/05
<b>Business and Institutional Program Area</b>			
PON 903	Peak Load Reduction Program	1/18/05	11/1/05
PON 913	New Construction Program	1/3/05	12/31/05
PON 909	Commercial/Industrial Performance Program	2/7/05	12/31/05
RFP 919	Urban Reforestation Pilot	3/14/05	5/9/05

<sup>6</sup> The percentage of residents in the **New York Energy Smart**<sup>SM</sup> territory who shift their laundry and dishwashing tasks to off-peak hours has grown steadily between 2002 and 2004 due to the Keep Cool and Stay Cool marketing campaigns, increasing from 42% to 90% for laundry and from 57% to 84% for dishwashing. These activities have resulted in an average hourly load shift of over 100 MW.

<sup>7</sup> Renewable Energy Generation (Annual GWh) revised due to application of lower capacity factor. Nameplate capacity of renewables installations is 42.6 MW.

