
Overview of DPS/EAG Evaluation, Measurement & Verification Protocols, Processes and Procedures

NYS Department of Public Service
Office of Energy Efficiency and the Environment

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- **What is evaluation**

- A brief overview of the purpose and types of evaluation

- **Evaluation is an integral part of the Energy Efficiency Portfolio Standard (EEPS) and System Benefits Charge (SBC) programs**

- As part of the EEPS Proceeding, a working group was established to deal with evaluation and reporting issues and make recommendations to the Commission
- Commission adopted a strong evaluation program to apply equally to utilities and NYSERDA (June 2008, Order, 07-M-0548)

- **Key Commission Actions include**

- Increased evaluation budgets from 2% to 5% of the overall program budgets
- Mandated an increased Staff role in guiding and overseeing evaluation and reporting activities
- Required detailed evaluation and reporting guidelines
- Required monthly, quarterly, and annual reporting
- Established a statewide Evaluation Advisory Group (EAG) to advise the Commission and Staff on evaluation and reporting issues

- **Evaluation Advisory Group (EAG)**

- Represents about 20 organizations and a membership with extensive energy program and evaluation experience
- A proven mechanism to enhance communication, resolve critical evaluation issues and develop cooperation with an array of organizations including those not regulated by the Commission (e.g., LIPA, NYPA, NYISO)
- Evaluation consultant (TecMarket Works) offers the EAG critical support services

- **Some key achievements/on-going activities of Staff/EAG**
 - Establish evaluation guidelines/standards
 - Review all evaluation plans and provide oversight of related evaluation components (e.g., surveys, draft reports). This effort has often increased quality and sometimes lowered evaluation costs
 - Enable statewide evaluation studies financed collectively by the program administrators
 - Play a major role in the Northeast Energy Efficiency Partnership's EM&V Regional Forum

- **Some key achievements/on-going activities of Staff/EAG**

- The EAG and Staff lead the process to update “technical manuals”
- The technical manuals are designed to provide a uniform, measure specific approach for estimating energy savings associated with the EEPS/SBC program portfolio
- Five manuals, covering different sectors, were approved by the Commission

- **Reason why the Technical Manual is important**

- Removes undocumented or unsupported assumptions from calculations to increase the reliability of projected impacts
- Utilizes vetted evaluation data
- Avoids conflicting energy savings estimates for the same measure within different programs
- Reduces uncertainty over lost revenue and incentive calculations

- **Reporting: another important EAG/Staff role**
 - Create a comprehensive program reporting and tracking system featuring monthly, quarterly and annual reports
 - Reports show EEPS program progress on several key metrics (e.g., energy savings, expenditures, program specific data, statewide results)
 - The reports will be posted on our web page in the near future

**EEPS PROGRAMS APPROVED BY ADMINISTRATOR
Through December 2009**

ELECTRIC:

Budget:	2008	2009	2010	2011	2012	2013	2014	2015	Total
NYSERDA	\$18,801,762	\$87,729,815	\$107,603,930	\$104,549,622	\$8,739,120	\$8,672,668	\$3,301,653		\$339,398,571
Central Hudson	-	4,009,237	7,515,866	7,873,794	-	-	-		19,398,897
Con Edison	-	25,797,238	84,933,848	91,778,848	-	-	-		202,509,934
NYSEG	-	-	11,719,630	15,687,030	940,455	-	-		28,347,115
Niagara Mohaw k	-	19,288,303	55,930,011	58,615,594	-	-	-		133,833,908
O&R	-	2,838,064	5,483,975	5,483,975	-	-	-		13,806,014
RG&E	-	-	6,869,667	9,133,657	938,818	-	-		16,942,142
Total	\$18,801,762	\$139,662,657	\$280,056,927	\$293,122,520	\$10,618,393	\$8,672,668	\$3,301,653	\$0	\$754,236,581

Savings (MWh)

NYSERDA	62,385	420,125	662,847	867,800	536,489	176,137	23,113	(149,772)	2,599,124
Central Hudson	-	12,917	22,162	23,248	-	-	-	-	58,327
Con Edison	-	81,761	196,340	218,294	-	-	-	-	496,395
NYSEG	-	-	36,088	49,342	2,594	-	-	-	88,024
Niagara Mohaw k	-	69,367	239,539	249,751	-	-	-	-	558,657
O&R	-	9,596	19,718	19,718	-	-	-	-	49,032
RG&E	-	-	19,414	27,384	2,594	-	-	-	49,392
Total	62,385	593,766	1,196,108	1,455,537	541,677	176,137	23,113	(149,772)	3,898,951

GAS:

Budget:	2008	2009	2010	2011	2012	2013	2014	2015	Total
NYSERDA	\$0	\$2,563,749	\$42,372,502	\$51,386,440	\$3,561,502	\$1,609,034	\$557,513		\$102,050,740
Central Hudson	-	45,671	91,341	91,341	-	-	-		228,353
Con Edison	-	3,334,714	14,759,387	15,194,613	-	-	-		33,288,714
Corning	-	36,450	72,899	72,899	-	-	-		182,248
NYSEG	-	410,059	1,363,825	1,442,691	-	-	-		3,216,575
Niagara Mohaw k	-	690,153	6,170,462	7,028,913	-	-	-		13,889,528
O&R	-	109,761	219,523	219,523	-	-	-		548,807
RG&E	-	410,059	1,360,168	1,439,182	-	-	-		3,209,409
KEDLI	-	1,160,648	6,419,144	7,164,119	-	-	-		14,743,911
KEDNY	-	1,759,604	11,746,898	11,664,698	-	-	-		25,171,200
St. Lawrence	-	16,409	32,815	32,815	-	-	-		82,039
Total	\$0	\$10,537,277	\$84,608,964	\$95,737,234	\$3,561,502	\$1,609,034	\$557,513	\$0	\$196,611,524

Savings (Dth)

NYSERDA	-	88,875	1,186,998	1,390,921	220,988	167,467	76,200	22,497	3,153,946
Central Hudson	-	1,366	2,732	2,732	-	-	-	-	6,830
Con Edison	-	34,110	259,924	291,576	-	-	-	-	585,610
Corning	-	1,845	3,689	3,689	-	-	-	-	9,223
NYSEG	-	16,462	44,737	46,499	-	-	-	-	107,698
Niagara Mohaw k	-	22,877	216,641	268,751	-	-	-	-	508,269
O&R	-	2,396	4,792	4,792	-	-	-	-	11,980
RG&E	-	16,379	44,657	46,379	-	-	-	-	107,415
KEDLI	-	19,793	119,064	128,700	-	-	-	-	267,557
KEDNY	-	33,849	211,689	217,387	-	-	-	-	462,925
St. Lawrence	-	855	1,709	1,709	-	-	-	-	4,273
Total	-	238,807	2,096,632	2,403,135	220,988	167,467	76,200	22,497	5,225,726

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