



**NYSERDA**

# **Industrial and Process Efficiency**

# Industrial and Data Center Goals

**Mission:** To provide incentives that help New York manufacturers and data centers make energy-efficiency improvements that measurably reduce energy costs

<b>NYSERDA's Objective</b>	Save 292,000 MWh and 2.9 million MMBTUs by 2017
<b>Outreach Contractors</b>	Upstate – CHA Downstate – ERS Data Centers – Willdan
<b>Eligibility</b>	Facilities must pay into Systems Benefits Charge

# Industrial and Process Efficiency Incentives

Incentive Type	Energy Source	Upstate Incentive	Downstate Incentive
Process and Energy Efficiency	Electric	\$0.10 / kWh	\$0.16 / kWh
	Fossil Fuel	\$6 / MMBTU	
Operations & Maintenance (O&M)	Electric	\$0.04 / kWh	
	Fossil Fuel	\$3 / MMBTU	
Minimum Incentive	\$25,000		
Maximum Incentive	50% Project Cost		
	\$1 million / Electric Project and \$500,00 / Fossil Fuel Project \$2 million total / company		

# Process Efficiency

Installation of a new process or improvements to an existing process that result in a reduction of energy usage per unit of production

- Process improvements or new installations
- Capacity additions that improve energy intensity
- Quality improvement
- Waste and scrap reduction
- Throughput increase
- IT improvements including desktop virtualization, server, storage, network, and telecommunications projects



# Energy Efficiency (related to process)

Projects that result in the reduction of on-site consumption of energy in new or existing facilities

- Energy/heat recovery
- Space conditioning improvements (related to IT or industrial processes only)
- Pumping system improvements
- Compressed air efficiency
- Fluid and support system improvements
- Air flow management improvements



# Operations & Maintenance

Projects that deliver verifiable annual energy savings resulting from upgrades or initiatives to improve operations

- Compressed air system leak management
- Replacement of leaking steam traps
- Installation of cogged styles fan belts
- Burner tune-up

# Industrial and Process Efficiency Incentives

Incentive determined by verified energy savings:

$$\left( \begin{array}{c} \text{Pre-installation} \\ \text{usage} \end{array} \right. \text{ — } \left. \begin{array}{c} \text{Post-installation} \\ \text{usage} \end{array} \right) \times \text{Incentive rate} = \text{Cash Incentive}$$

- Funds distributed post-installation
- Measurement and Verification (M&V) required for projects saving over
  - 500,000 kWh annually
  - 20,000 MMBTU annually

# IPE Process

- Submit a Consolidated Funding Application
- Technical Reviewer is assigned to project
- Technical Reviewer reviews energy savings of project
- NYSERDA issues Purchase Order for estimated incentive
- Facility installs project
- Technical Reviewer verifies installation and energy savings
- NYSERDA awards incentives

# NYSERDA can help!

- Improve energy performance at your facility
- Improvements generate economic, process, operational and environmental benefits
- NYSERDA can help shorten payback time and increase credibility
- Outreach Contracts:
  - Upstate – CHA
  - Downstate – ERS
  - Data Centers – Willdan

Outreach: [IPEOutreach@nyserda.ny.gov](mailto:IPEOutreach@nyserda.ny.gov)

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