

PATH TO GREATER ENERGY EFFICIENCY

ASSESS

STEP 1: Energy Efficiency Feasibility Assessment

Start your effort with an Energy Efficiency Assessment of your existing facility. This assessment will identify the list of potential pre-qualified equipment replacements and performance based industrial and process energy efficiency improvements. A preliminary analysis will be done to determine the simple payback and relative rank for each item. A list and probable payback of each potential improvement will be provided.

COST: FREE

STEP 2: Detailed Improvement Analysis

Based on the Energy Efficiency Assessment, a ranked list of potential improvements has been identified. The improvements meeting the targeted payback period will undergo a detailed engineering analysis with which to establish a benchmark, select the optimal equipment process, and verify construction costs. A final recommendation report is generated.

COST: VARIES WITH FACILITY
Up to 50% reimbursement may be available

STEP 3: Grant and Incentive Applications

Depending on the facility's location and utility providers, a replacement or energy efficiency upgrade may be eligible for more than one grant or incentive program. But which one is best for your facility? ATSI can provide an analysis of the best program to apply for and assist with the application process.

STEP 4: Construct Improvement

Final engineering generates construction drawings, specifications, and bid documents. ATSI can provide a construction management team of qualified engineers, technicians and trades personnel to ensure that your project is implemented in a safe, cost effective, and timely manner.

IMPROVE

Pre - Qualified, Eligible , and Prescriptive

- LIGHTING
- HVAC
- CHILLERS
- MOTORS
- VARIABLE FREQUENCY DRIVES
- REFRIGERATION
- COMMERCIAL KITCHEN EQUIPMENT
- INTERVAL METERS
- WATER HEATERS
- THERMOSTATS & CONTROLS
- BOILERS
- FURNACES
- HEAT PUMPS

Custom and Performance Based

- INDUSTRIAL AND PROCESS EFFICIENCY
- INSTRUMENTATION AND CONTROLS
- ELECTRICAL REDUCTION
- HEAT RECOVERY
- BUILDING THERMAL ENVELOPE UPGRADES
- ENERGY MANAGEMENT SYSTEM
- NATURAL GAS REDUCTION
- DEMAND RESPONSE INCENTIVES
- COMBINED HEAT AND POWER (CHP)
- COMPRESSED AIR EQUIPMENT
- GEOTHERMAL HEATING AND COOLING
- INFRARED RADIANT HEATERS
- STEAM TRAPS
- GRAIN DRYERS
- OTHER

SAVE

Simple Payback

$$\frac{\text{Installation Cost - Incentives}}{\text{Energy Cost Savings}} = \text{Simple Payback}$$

0.5 - 3 Year Payback is Common

ATSI recommends setting the

Simple Payback target at <2 years

Grant and Rebate Incentives

A multitude of existing grant and rebate incentive programs may provide partial reimbursement of energy efficiency studies and improvements. A sample of the programs include:

NYSERDA

- New Construction Program
- Existing Facilities Program
- FlexTech Program
- Green Building LEED Certification

National Grid

- Commercial Energy Efficiency Program
- High Efficiency Heating Incentives
- Economic Redevelopment Program
- The Emerald Network

NYSEG

- Small Business Energy Efficiency Program
- Commercial and Industrial Rebate Program

National Fuel

- Fixed Pre-qualified Rebate
- Customized Performance Based Rebates



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