

Primary Services

Level 1+ Energy Study:

A comprehensive walk through of the facility and an evaluation of all ECMs appropriate for the facility. Estimates of implementation costs, potential operating cost savings, energy savings, and simple payback periods will be provided. A level 1+ energy study should prioritize energy efficiency projects and may then proceed with a more detailed level 2 or level 3 targeted or comprehensive energy study. This level of study should include assumptions, energy calculations, and/or the use of, at a minimum, the Technical Resource Manual (TRM).

Targeted Energy Study:

A targeted level 2 or level 3 evaluation of a specific building system(s). Level 2 and 3 energy studies result in more detailed energy savings, costs, and financial analyses for each ECM.

Comprehensive Energy Study:

A detailed facility-wide level 2 or level 3 energy audit that evaluates all ECMs appropriate for the facility. Level 2 and 3 energy studies result in more detailed energy savings, costs, and financial analyses for each ECM.

Retro-commissioning (RCx) Study:

An evaluation of energy-using systems and their performance relative to design intent, operational needs of the building and its occupants, and operation and maintenance procedures. Retro-commissioning will focus solely on energy efficiency and result in recommendations to optimize system performance through energy efficiency and operation and maintenance recommendations.

Climate Action Plan or Sustainability Plan:

A comprehensive evaluation of existing climatic impact, sustainable practices, greenhouse gas emissions and long-term climate and sustainability goals, resulting in a climate action plan or sustainability plan. The plan will serve as a roadmap, or action plan, that identifies and prioritizes recommendations to assist with making informed decisions and understanding how to achieve the most effective emissions reductions that are in alignment with climate and sustainability goals.

Clean Heating and Cooling Study:

The link below includes information on eligible Clean Heating and Cooling activities and technologies.
<https://www.nyserdan.y.gov/All-Programs/Programs/Clean-Heating-and-Cooling-Communities>

Energy Master Planning:

A comprehensive evaluation of existing energy systems, current and future energy needs, and long-term energy goals, resulting in an energy master plan. The energy master plan will serve as a roadmap, or action plan, with a minimum two year outlook that identifies and prioritizes recommendations to improve energy efficiency and reduce greenhouse gas emissions. The energy master plan may assist with making informed decisions for procurement, infrastructure, management, and understanding how to achieve the most cost-effective energy reductions that are in alignment with clean energy goals.

Energy Advisor Services:

A single, large customer with a portfolio of buildings may engage a qualified FlexTech Consultant for long-term energy efficiency and carbon-mitigation related services. The FlexTech Consultant may provide long-term support on energy and carbon management issues, actively identify opportunities, and perform analyses with the customer's and NYSERDA's approval.

Combined Heat and Power (CHP) Study:

Traditional Study: Represents a single-technology solution that simultaneously provides thermal and electrical energy at a host site.

Premium Study: Includes an evaluation of CHP coupled with other distributed energy resources (DER). The intent is to evaluate optimized (integrated) solutions that capitalize on advances in technology, control analytics and deliver on-site power with resiliency benefits.

Energy Storage Study:

Examines solutions that include a mixture of generation and energy storage, with a focus on the energy storage system.

Carbon Mitigation Studies:

Carbon mitigation studies assist customers in making informed carbon management decisions at their facilities. This service may include, but is not limited to: performing carbon footprint analyses and developing carbon action plans to address carbon-intensive areas, water efficiency and water conservation studies, developing procurement strategies for acquiring carbon-neutral resources, equipment replacement or upgrade recommendations resulting in carbon mitigation, comprehensive carbon master planning for campus-type settings, or decarbonization studies.

Green Buildings:

Green buildings minimize the environmental impacts of buildings throughout their life cycle. Services provided by Consultants may include computer modeling and energy analysis to optimize building energy performance, as well as materials analysis to improve indoor environmental quality and occupant health. Services may also include aiding customers interested in complying with U.S. Green Building Council LEED® certification or the New York State Green Building Tax Credit. In addition to energy modeling and materials analysis, these services may include design and specification guideline development. Firms should demonstrate their experience acquiring LEED certification for existing facilities and identify LEED® accredited professionals on staff.

Load Reduction Study:

Identify ways to reduce cost through the investigation of load reduction strategies including but not limited to:

- Prioritization of Energy Efficiency measures specific to demand reduction
- Development of electricity consumption profiles for future load reduction efforts
- Organization and prioritization of equipment for the purpose of load shedding

Supporting Services

*The following Supporting Services are eligible if completed in combination with any of the primary services above.

Investigation of renewable energy technologies:

An evaluation of renewable energy technology solutions that generate electricity, resulting in recommendations economically viable and appropriate for the facility. CHP and energy storage studies have specific requirements and are excluded from this activity.

Greenhouse Gas Emission Inventory:

An inventory and analysis of a facility's greenhouse gas emissions relative to building type, space usage, and clean energy goals. The results of the inventory are generally presented as metrics, tables, and graphics within a report or as its own document.

Installation of permanent meters or submeters:

The purchase and installation, of permanent meters or permanent sub-meters to assist with the technical assistance effort.

Establish reporting protocol and report to voluntary third-party certification organizations:

The development of a reporting protocol that provides an overview of the data collection and reporting process, and subsequent completion of voluntary reporting to a third-party energy certification organization. Eligible third-party energy certification organizations include, but aren't limited to, AASHE Sustainability Tracking, Assessment & Rating System (STARS), Green Revolving Investment Tracking System (GRITS), the Climate Commitment, and NYC Carbon Challenge.

Utilize a student intern:

REV Campus Challenge members may hire a student intern(s) to assist with completion of scope of work activities. The student intern's responsibilities must contribute to the overall project. The student intern will complete a final report summarizing their tasks and how it relates to the project. Non-REV Campus Challenge members interested in utilizing a student intern can refer to NYSERDA's Clean Energy Internship Program: <https://www.nyserda.ny.gov/All-Programs/Programs/Clean-Energy-Workforce-Development/NYS-Clean-Energy-Internships/Clean-Energy-Business>.