



Energy Conservation Studies

Choose the energy conservation study that best meets your needs





CHOOSE THE ENERGY CONSERVATION STUDY THAT BEST MEETS YOUR BUSINESS NEEDS

Studies help analyze how a building consumes energy. They can help identify energy losses, increase productivity and save you money.

We help fund several types of studies to match your needs for energy information and expertise, from an assessment of your entire building to engineering studies for process-specific areas. The following chart gives an overview of these studies and how we can help you identify ways to save energy. Consider the possibilities and take a few moments to fill out the following questionnaire to see how we can help meet your needs.

STUDY	PURPOSE	PROVIDER	FUNDING
Compressed air studies	<p>Save money in one of the costliest systems in a plant. A complete study of your compressed-air system includes:</p> <ul style="list-style-type: none"> • Determining system base line by measuring system supply and demand • Identifying and tagging air leaks, and estimating costs associated with leaks • An efficiency report of system recommendations and estimates of the energy cost savings 	<p>Performed by your chosen engineering professional or</p> <p>Performed by any preapproved vendors</p>	<ul style="list-style-type: none"> • Study funding up to \$15,000 based upon your system size • Cash incentives are also available for up to \$400/kW saved for custom projects identified through the study
Data Center energy efficiency studies	<p>Provides an energy-efficiency study of your data center, including IT and facilities recommendations. Resulting report includes:</p> <ul style="list-style-type: none"> • Current usage data • Energy-efficiency recommendations and estimates • Rebates for implementing recommendations 	<p>Performed by any of our preapproved vendors</p>	<ul style="list-style-type: none"> • Rebates for study funding up to 75% of the cost of the study, not to exceed \$25,000 • Cash incentive for up to \$400/kW saved for implementing bundled energy- efficiency recommendations from your study
Energy Analysis: online energy assessment	<p>A half-hour, do-it-yourself analysis helps you:</p> <ul style="list-style-type: none"> • Discover how your building uses energy • Identify potential ways to save up to thousands of dollars on annual energy bills • Customize your analysis to your industry, location, energy-use history and building specifics 	<p>You perform an online analysis of your building, using your energy-use history and building specifics</p>	<p>FREE at xcelenergy.com/rebates Select the state where your business is located and look for “Energy Analysis” in the quick tools on the left</p>

STUDY	PURPOSE	PROVIDER	FUNDING
Energy Analysis: on-site energy assessment	A comprehensive energy audit with on-site engineering expertise; helps you identify and prioritize ways you can save energy and qualify for cash rebates	Performed by one of Xcel Energy's contracted energy assessment engineers	On-site energy assessment valued at more than \$1,800: <ul style="list-style-type: none"> • \$200 fee for buildings less than 25,000 sq. ft. • \$300 fee for buildings 25,000–150,000 sq. ft. • \$600 fee for buildings greater than 150,000 sq. ft. (over 300,000 sq.ft. please inquire)
Energy Analysis: engineering assistance studies	An in-depth study to help you review a potential energy-saving opportunity by considering all feasible options and combinations of both existing and new systems. Studies can focus on refrigeration, cooling, space and process heating or Custom Efficiency projects.	Performed by your chosen engineering professional	Rebates for study funding up to 75% of the cost of the study, not to exceed \$25,000
Lighting Redesign studies	Provides a building-wide lighting system analysis for customers with overlit and/or mislit spaces and makes recommendations on the best approach to improving the design by reducing the existing light output while maintaining the proper lighting levels.	Performed by your chosen provider who must be a Lighting Certified (LC) professional, a member of International Association of Lighting Designers (IALD) or hold the Certified Lighting Efficiency Professional (CLEP) certification	<ul style="list-style-type: none"> • Rebates for study funding up to 75% of the cost of the study, not to exceed \$25,000 • Incentives up to \$400/kW saved for implementation of recommended actions • Preapproval required for studies
Recommissioning studies	<p>A study "tune-up" of your existing mechanical systems identifying low-cost opportunities for energy improvements</p> <p>Specialized refrigeration recommissioning studies are also available.</p>	Performed by your chosen engineering professional	<ul style="list-style-type: none"> • Rebates for study funding up to 75% of the cost of the study, not to exceed \$25,000 • Incentives for measures suggested by the study and implemented at your facility





Here are several questions you may want to ask yourself to determine if a study is right for your facility. If you check more than one question in a set, that particular study could meet your unique needs.

COMPRESSED AIR EFFICIENCY STUDY

- Have you changed your operations (changed or expanded air-use needs) and you're not sure that your system matches your needs?
- Do you know that a 1/4 inch leak costs up to \$8,000 in unnecessary energy expense?
- Do you have a pneumatic/compressed air system of at least 50 hp?

DATA CENTER EFFICIENCY STUDY

- Does your facility include a data center, where you're considering virtualizing servers?
- Are you interested in saving energy and money by operating your data center more efficiently?
- Do you want to learn how to improve conditions in your data center, while reducing energy costs?
- Do you have plans to expand your data center?

ENERGY ANALYSIS:

ONLINE ENERGY ASSESSMENT

- Are you looking for a free, first step basic analysis of your facility?
- Are you looking for ideas that offer potential for you to save on your energy bills?
- Do you have knowledge of your facility, including insulation, windows, HVAC components, water heating needs and compressed air systems?

ENERGY ANALYSIS:

ON-SITE ENERGY ASSESSMENT

- Do you know you want to reduce your energy bills but are unsure of where to start?
- Do you need a list of energy-efficient improvements that could help you save energy and money, along with their estimated costs, rebates and paybacks?
- Do you need a recommendation for saving energy by replacing or upgrading to more energy-efficient equipment, such as motors, boilers, lighting or air conditioning?

ENERGY ANALYSIS: ENGINEERING ASSISTANCE STUDIES

Refrigeration:

- Is refrigeration a significant portion of your energy load?
- Are you concerned that your refrigeration system is inefficient or not operating properly?
- Do you plan to expand your refrigeration system, and do you want to know the best way to do this?

Cooling System Replacement:

- Are you concerned that your cooling system is not working efficiently or up to capacity?
- Do you have rooftop units, but want to look at the business case and technical feasibility for installing chillers?
- Are you concerned about equipment efficiencies at partial-load conditions?

Custom Efficiency:

- Are you considering making changes to your specific manufacturing process?
- Do you want to study your existing system(s) and review potential options for an upgrade or energy-saving retrofit opportunity?
- Have you considered building automation controls as a means to cut costs and improve efficiency?





LIGHTING REDESIGN STUDY

- Are your lighting needs significantly different from what is provided by the current lighting system?
- Have you received complaints of glare from employees or tenants?
- Do you need a solid business case study and recommendations for how to save energy while optimizing the light levels in your facility?

RECOMMISSIONING STUDY

- Do your building occupants complain about being too hot or too cold?
- Do you want to make sure your equipment and/or system operates as it should?
- Are you concerned about whether or not your building systems are energy-efficient and adequate to meet new or expanded needs?
- Are you concerned that your automated control system is working the way it was intended?

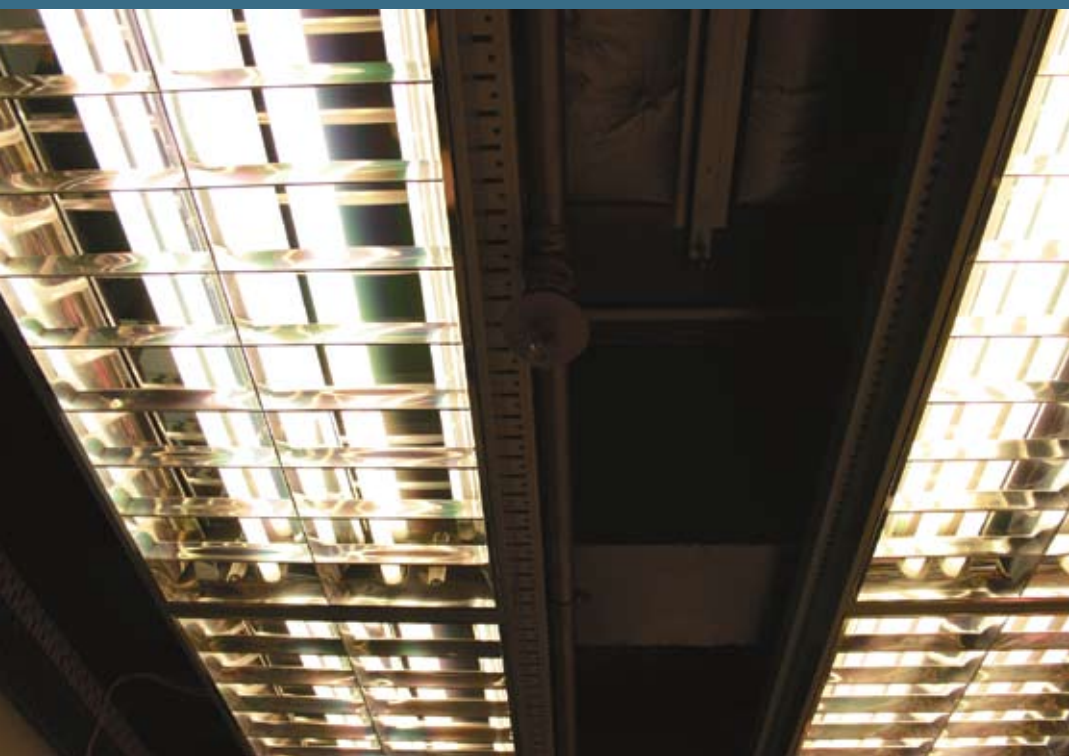
Note that these general terms and conditions apply to all studies:

- Funding incentives or rebates are available to Xcel Energy business customers in Colorado only.
- Preapproval required except for online energy assessments.
- The potential energy and cost savings in the study report are estimates; we do not guarantee annual energy savings or monthly energy bill reductions.
- Study funding may vary based on your energy-savings potential.

If you've found that one of the studies in this brochure meets your needs and you are ready to get a start on energy savings, call our Business Solutions Center at **1-800-481-4700** or e-mail **energyefficiency@xcelenergy.com** to request more information.

Visit xcelenergy.com/rebates

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