



# Sustainable Solutions for Businesses and Institutions Nationwide



# Sustainability



ENGIE promotes sustainable operations by helping its customers optimize economic, environmental, and social responsibility without neglecting the bottom line.

Our sustainable solutions enable us to combine efficiency, competitiveness, and reliability.

Our services include:

- Renewable Energy Credits
- Data and Load Management Response Programs
- Energy and Environmental Management
- Solar Development and Battery Storage
- Cogeneration

## About ENGIE Resources

With more than 147,000 employees globally, ENGIE is active across the entire energy value chain in electricity and natural gas, both upstream and downstream.

The group takes on the world's greatest energy challenges: responding to energy needs, fighting climate change, and optimizing the use of resources. The company also pushes the industry in new directions—deploying more than 800 researchers across seven global research and development centers.

### **ENGIE Resources**

ENGIE Resources is a licensed retail electricity provider offering electricity plans and related services to industrial and commercial customers in the United States. ENGIE Resources is the retail energy subsidiary of ENGIE North America, Inc. Ranked in the Top 10 Most Accountable Global Corporations by Fortune Magazine, ENGIE is known around the world for its proactive approach in controlling the impact of its own activities, and those of its customers, on the environment.



## Renewable Energy Credits

ENGIE provides RECs certified through the Center for Resource Solutions (CRS) and its Green-e® Program.

Certified Renewable Energy Credits (RECs) represent the right to claim attributes and benefits of renewable energy resources. One REC is issued for each megawatt-hour unit of renewable electricity produced, and customers can buy RECs up to their entire total electricity load in order to help the environment.

These RECs help build a market for renewable energy projects by providing a production subsidy, thus lowering the costs associated with such facilities, and providing emissions-free energy.

Green-e® is a national certification program for renewable energy administered by the Center for

Resource Solutions (CRS). Green-e® is the nation's leading independent consumer protection program for the sale of renewable energy and greenhouse gas reductions in the retail market.

CRS certifies renewable energy that meets environmental and consumer protection standards, developed in conjunction with leading environmental, energy and policy organizations. The program requires that sellers of certified renewable energy disclose clear and useful information to potential customers, allowing consumers to make informed choices.



## Data and Load Management Response Programs

ENGIE can create and support custom load reduction and control strategies with no adverse impact to your operation.

Temporarily share your capacity and help improve the sustainability and reliability of the electricity grid in your area by participating in these programs. These voluntary programs, combined with the ENGIE licensed analytical software, enable businesses to be compensated for using less electricity during specific time periods.

Such strategic and short-term reductions in consumption are triggered by specific demand conditions such as peak loads,

reliability concerns or high prices. ENGIE can help facilitate curtailed energy usage and lower total energy costs, on either a temporary or permanent basis. Our web-based information services and load response programs cut down on unplanned outages, improves system reliability, conserves energy, and keeps peak prices lower. Your facility could potentially become a new revenue stream simply by adopting modified power usage guidelines.

## Energy and Environmental Management

Investing in energy conservation and efficiency helps reduce carbon emissions, benefits the environment, and diminishes load demand, which improves grid stability and profitability. As an impartial partner, you can trust our energy audits and non-capital and capital solutions to reduce your energy usage while maintaining or improving comfort in your building. We also work to improve the operating parameters of existing equipment and building systems through retro-commissioning, and are technology neutral.

### **Developing an Energy Operations Plan**

Working under an energy plan, ENGIE offers energy efficiency and energy-related conservation services to meet client objectives.

### **Measurement and Modeling Consumption**

We have developed a specific computer program to model a facility's energy usage based on historical consumption.

### **Audits and Retro Commissioning Studies**

Our auditors analyze energy flow and identify possible improvements, not only in regards to the technical installations and the building shell, but also the behavior of occupants and users.

### **Energy Improvement Projects**

We assist our clients in accomplishing the administrative processes and design requirements necessary for the implementation of their projects.

### **Reporting**

We can create an annual report providing an analysis of the evolution in energy consumption, a comparison of consumption, and a list of possible improvements.

### **Financing Solutions**

We can finance efficiency-improvement projects and reimburse all or part of the investment via energy savings.

## Solar Development

At ENGIE, we understand the importance of reducing CO<sub>2</sub> in the environment. As a global leader in energy production, we are focused on renewable energy sources to create a cleaner environment.

Once thought to be too expensive and complex, solar is an evolving technology that can offset peak-usage, reduce delivery charges, meet budget and sustainability goals, and support green branding strategies.

Solar initiatives are gaining ground at the local, state, and federal

levels. Subsidies and renewable standards are making solar more attractive than ever before.

The sun produces more energy in one hour than the world consumes in one year, and the technology to harness this energy is becoming increasingly efficient.



## Battery Storage

The ability to store and retrieve electricity increases the reliability and efficiency of electricity market service. Access to storage allows individual buyers to acquire lower-cost supplies on the spot, market during off-peak periods, and store the electricity for end-users during periods of peak demand. Storage can also compensate for temporary disruptions in production.

Battery storage solutions can work in concert with customer-responsive demand response while augmenting the performance of transmission and distribution assets, improving emergency preparedness, and enhancing resilience related to weather

outages and other potential disruptions. Furthermore, some storage can prove cost-effective exclusively through price arbitrage, storing electricity generated during periods of generally lower cost and releasing it—generating electricity—during periods of generally higher cost.

When committing to a solar or battery storage project, you need a partner you can trust for the long term. Engie carries an “A-” credit rating and offers competitive solutions to meet every budget. Our team of experts can assess your site and design a system that is customized to meet your needs.



## Cogeneration

Our cogeneration development team has in-depth experience in developing thermal flow models and sizing the system optimally to meet your onsite power, heating, chilling, and reliability needs. Our performance modeling experts will work closely with you to analyze your load profile and calculate various cost saving scenarios. The team will develop and recommend the most optimal solution based on thermal characteristics of possible OEM configurations, while taking into consideration the total installed cost.

Our in-house project management team focuses on every aspect of developing large and small-scale power projects— from designing, procurement, construction, permitting, and interconnection to financing. We have established relationships with most well-known engineering and EPC firms. The projects are overseen by experienced project managers who are tasked with choosing the most qualified subcontractors from a pre-approved list and ensuring quality control for facility performance, safety, schedule, and cost.





To learn more about ENGIE Resources, visit [www.engieresources.com/sustainability](http://www.engieresources.com/sustainability) or contact Vikram Kulkarni at [vikram.kulkarni@engie.com](mailto:vikram.kulkarni@engie.com)