

Sustainable Energy

Sustainable energy includes all renewable energy sources and technologies that improve energy efficiency. Solar, wind and geothermal technologies, carbon footprint reduction and energy audits are examples of some of the projects that PS&S has been involved in. Let us help you reduce your energy costs while also improving efficiencies and promoting renewable energy.



Components of Sustainable Energy

1 Energy efficiency

- Change-out, upgrade, decommission or create a maintenance schedule for existing HVAC equipment
- Lighting upgrade to energy efficient lamps and ballasts
- Increase use of occupancy sensors

2 Renewable energy

- Solar panels
- Wind turbines
- COGEN
- Geothermal

Services Provided by PS&S for Sustainable Energy

- Energy audits
- Combined Heat and Power, Generation and Renewables (COGEN)
- Renewable energy design; Solar, Wind and Geothermal
- Water and wastewater services
- Energy optimization/carbon footprint reduction
- Energy master plans



For more information on Renewable Energy, the SREC program and PS&S, please contact **Walter Fedick, PE at 732.584.0339 or wfedick@psands.com.**

Let us help you save money on energy consumption

Energy Audits provide assessments of energy systems and their efficiencies, costs and usage rates. The audit can also study the supply or procurement process to assess the most efficient operation of a plant. Finally, it can include improvement recommendations, including the potential benefits of innovative and alternative energy sources.

Energy Master Plans incorporate the results of energy audits with an integrated Capital Plan. The goal of the Energy Master Plan is to reduce life-cycle costs while maximizing the long-term value of invested capital. The effects of deregulated energy markets are considered in alternative evaluation and equipment selection.

Solar and Wind Energies remain prevalent as state and government funding have been available to help offset the installation costs. These technologies provide an ongoing incentive to the owner and may produce revenue for 15 or more years.

Carbon Footprint Reduction is becoming increasingly popular as much of the world is seeking alternative solutions to control and reduce emissions. Complete assessments of current energy consumption and CO₂ production along with recommendations to optimize usage are provided during an energy optimization study.

Sustainable Energy

Encompasses energy efficiency and renewable energy design

Utilizes Green Energy to produce results with no significant negative impact to the environment

Greenhouse gas reduction benefits result from using green power

Clean energy, such as wind farms and solar power, is growing in popularity

Ongoing incentive to the owner

Five major reasons why our customers pursue sustainable energy

- 1** Extensive experience in the industry and multi-discipline experience to design all aspects of renewable energy systems
- 2** Cost-effective, innovative and award-winning designs by our team of professionals
- 3** Energy audits are a great way to reduce energy costs and save money by implementing improvements identified through the audit
- 4** Renewable energies, such as solar and wind, are great marketing tools for your company
- 5** State funds help reduce costs and sustainable energy systems provide ongoing incentives and revenue to the owner



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