

How Constellation is helping the Commonwealth of Pennsylvania harness renewable energy and reduce its carbon footprint.

The Challenge

The Commonwealth of Pennsylvania is working to reach aggressive carbon reduction goals. Several public agencies in the Commonwealth have announced their commitment to source solar energy from in-state assets. An executive order from Governor Wolf outlined a goal to address climate change through electric sector emissions reductions as part of the Climate Change Executive Order in 2019. This order set the statewide goal to reduce greenhouse gas emissions.

The Commonwealth's commitment to carbon reduction calls for the procurement of solar generation to reach statewide goals with respect to renewable energy. The Commonwealth recognizes the urgency of the global climate crisis and sees great potential in the creation of solar assets enabling the state to do its part to reduce greenhouse gas emissions.

The Benefits

The solar sites are expected to deliver 361,000 megawatt-hours (MWh) of electricity annually, supplying approximately 50% of the Commonwealth's annual electricity consumption.* By sourcing solar energy, the Commonwealth is expected to reduce CO2 emissions associated with its energy use by 157,800 metric tons per year.

By leveraging Constellation's Offsite Renewables (CORe) retail power product, the Commonwealth is able to support local renewable energy development and deliver on its commitment to help the carbon reduction effort. The solar RECs will satisfy the requirement in the Governor's executive order to reduce carbon emissions and will provide clean energy for 16 of the Commonwealth's agencies.

From the Customer

"Pennsylvania has been a national energy leader for more than one hundred years," said Pennsylvania Governor Tom Wolf. "As we continue to diversify our grid with clean renewable sources of energy, we want to maintain Pennsylvania's leadership position and bring the associated economic, health, and environmental benefits to all Pennsylvanians. This requires innovative resourcefulness as demonstrated by the General Services solar energy procurement along with extensive strategic collaboration such as this partnership with Constellation and Lightsource bp."

*This projection is based on historical consumption data compiled by Penn State Facilities Engineering Institute (The Commonwealth of PA's energy consultant), allowing for a 3% margin of error.



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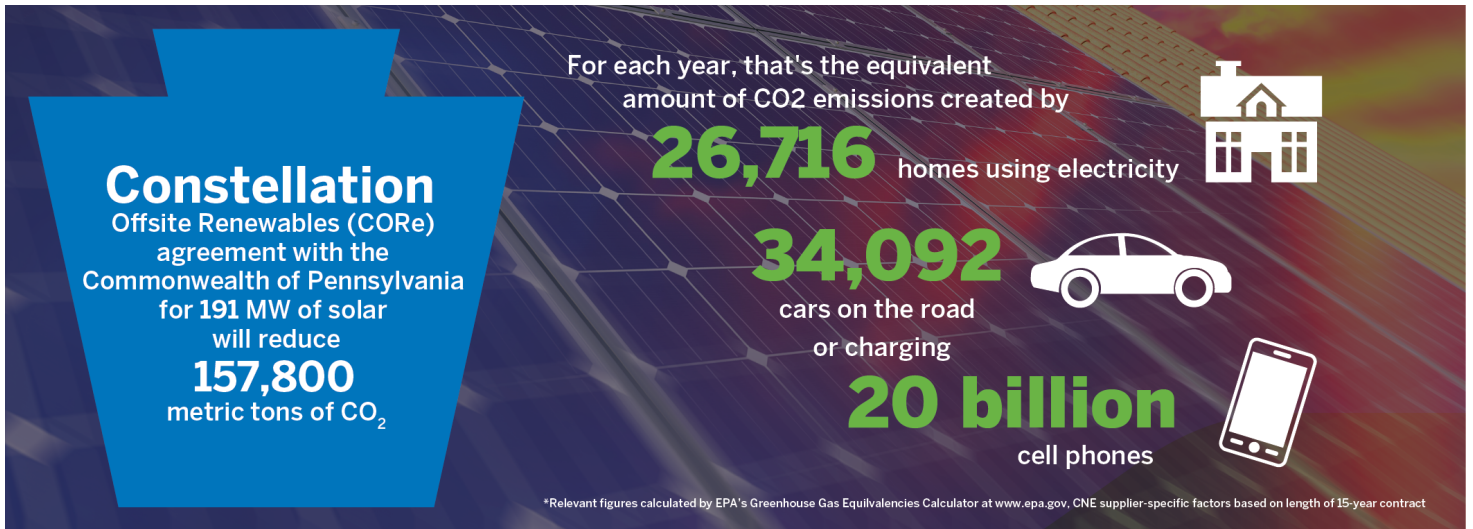
Constellation tailors its integrated energy solutions to its customers' unique needs, providing them with the flexibility to choose how to cost-effectively buy, manage and use energy to meet their business goals. Along with industry expertise, Constellation offers a wide range of innovative and integrated distributed energy products—including energy efficiency and resiliency solutions. Constellation is one of the nation's leading competitive suppliers of power, natural gas, renewable energy and energy management products. With more than 30 years of experience and over \$2 billion in energy-related projects financed and built, Constellation helps business, nonprofit and public sector customers achieve sustainability goals, develop energy resiliency, manage costs and capital needs, and mitigate risk.

Project Highlights

- 191 MW of solar capacity
- 50% of the Commonwealth's annual electricity consumption sourced from these new solar projects
- Estimated CO2 emission reduction associated with sourcing 361,000 MWh of electricity from solar will be equivalent to 157,800 metric tons of CO2 per year
- The largest solar commitment by any government entity in the United States to date
- The project will produce solar Renewable Energy Certificate (RECs) that will be retired to satisfy the requirements of the executive order

Technical Highlights

- Energy supply for 434 accounts in the Commonwealth
- Solar assets in 7 separate locations in 6 Pennsylvania counties
- 15-year PPA in line with the Commonwealth's contract goal
- Utility-consolidated invoice where Constellation's solar electric charges are presented in the customer's regular electric utility bill



Start the Conversation Today

For information on any of our Constellation Offsite Renewables (CORe) solutions—contact us today at www.constellation.com/core.

Constellation is a leading competitive retail and wholesale supplier of power, natural gas and energy products and services across the continental United States. Constellation's family of retail businesses serves residential, public sector and business customers, including more than two-thirds of the Fortune 100. Learn more at www.constellation.com.

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