

DOUGLAS LATULIPPE

Education

BS – Mechanical Engineering, Virginia Polytechnic Institute and State University, 1991



Professional Experience

As a Project Director, Douglas Latulippe is responsible for developing and supporting SCS's nationwide energy management and renewable energy practice. His work includes project activities related to SCS's air quality, greenhouse gas (GHG), and sustainability initiatives for public and private commercial businesses, industrial facility owners, real estate clients, utilities, and renewable energy project developers. Prior to joining SCS, Doug managed energy portfolios, including capital and operating budget development, power generation and demand-side project and program development, bill management and reporting, and utility incentive program management, as well as performed energy audits and GHG reporting for Fortune 500 companies. As part of his power generation experience, he patented a solid-fuel gasification system for environmental mitigation and pollution control. Doug was recognized by the EPA for his extensive work with the ENERGY STAR program.

Projects include energy audits, strategic energy program development, electrical and mechanical system assessments and specification, lighting and HVAC retrofits, permitting, renewable energy project development and design including photovoltaic, solar thermal, waste-to-energy, and steam turbine projects, as well as project, program, and construction management. Facilities and business sectors have included retail, warehousing, distribution (refrigerated and non-refrigerated), quick-serve restaurants, pharmaceutical, industrial, manufacturing, and hospitality.

Additional projects include energy consumption monitoring & control systems, data analytics, climate resiliency solutions, water conservation, waste management, recycling and diversion, and sustainability.

Energy and Renewables

National Retailer, Portfolio-Wide Water Conservation Program. Developed and implemented a portfolio-wide water conservation program for a national retailer. Reduced 2019 overall annual water consumption by 54% compared to 2011. This program saves 125,000,000 million gallons and over \$1.5M annually. Received Department of Energy (DOE) recognition.

National Pharmacy/Retailer, Energy Conservation Initiative. Implemented an energy conservation initiative for a national pharmacy/retailer. A 6.5 million square feet portfolio at 9 Distribution Centers, reducing electric consumption by 30,000,000 kWh and saving \$3M annually.

Imperial Valley, Southern California, Solar Thermal Project. Design and project engineer for a \$9M 54 MW Solar Thermal Project. Scope included power block design, engineering, project development, and steam turbine (Shin Nippon double casing re-heat condensing) generator (Brush synchronous 13.8 kV) sale for solar thermal power energy project: Imperial Valley, Southern California. Developer: Bethel Energy, LLC. Utility: SDG&E (20 yr PPA) Buyer: Southwestern Solar Solutions, LLC.

Managed ENERGY STAR certifications for over 300 hundred commercial buildings.

Utility Industry

Arizona Public Service. Design and project engineer for \$2.2M Arizona Public Service (APS) 3,000 kW Biomass Project. Sold the first TGM steam turbine (4,000 HP Condensing multi-stage multi-valve synchronous) in the United States. The project was developed along with the Healthy Forests Initiative to improve the health of the nation's forests and reduce the risk of forest fires to produce clean, "green" electricity while reducing greenhouse gas emissions.

Multiple Clients and Utilities, Energy Incentives. Obtained over \$2M in utility incentives and rebates for large national account clients.

- Largest individual rebate of \$435k through Southern California Edison (SCE) Program.
- Managed national retailer's Midwest region portfolio-wide HVAC replacement program and rebate fulfillment of over \$1M through Commonwealth Edison (ComEd).
- \$175k for a retail warehouse facility through the Maryland Energy Administration (MEA).

Patents and Awards

U.S. Patent Number 6,948,436 B2. Solid fuel gasification system designed for agricultural waste fuels. Issued 2005.

ENERGY STAR, EPA, PARTNER of the YEAR. Awarded ENERGY STAR PARTNER of the YEAR for Burton Energy Group 8 straight years as a Service and Product Provider. 2013-2020.

ENERGY STAR, EPA, PARTNER of the YEAR, Sustained Excellence. Awarded ENERGY STAR PARTNER of the YEAR for Burton Energy Group 5 straight years as a Service and Product Provider. 2016-2020

Presentations

Latulippe, D.R. & Moore, B., "ENERGY STAR - 2018 Sustained Excellence for Service and Product Providers", EPA Webinar series - Award Winning Energy Management Programs, 2018 ENERGY STAR Partner of the Year Award Winners, July 11, 2018