

North American electricity grids must address aging infrastructure, growing adoption of electric vehicles, increasing deployment of distribution-connected generation, and mounting electricity demand to meet decarbonization through electrification. Solas Energy® has a deep understanding of the energy industry and solutions for grid modernization and the energy transition. We provide clients with strategic advisory services through adoption and impact modeling, project development, and proactive participation in industry and government engagement groups.



Expert Advisory
Services



Zero Emission
Fleet Optimization



Project
Assessment

Expert Advisory Services

- Distributed Energy Resource (DER) and electric vehicle (EV) load impact forecasting and integration modeling
- Energy storage economics assessment for grid services
- Zero-emission vehicle (ZEV) market assessment, including infrastructure, environmental analysis, and supply and demand outlooks
- Proprietary zero emissions fleet model to forecast vehicle sales, infrastructure growth, home charger sales, electricity demand growth, GHG impacts, grid impacts, and demand for batteries and associated minerals and metals
- Technical and economic evaluations of emerging grid modernization and smart grid technologies

Zero Emission Fleet Optimization

- Fleet decarbonization strategy for light, medium, and heavy vehicles
- Strategic evaluation of electrification versus alternative fuel vehicles, charging protocols and infrastructure, and route assessment
- Financial evaluation, including economic analysis, renewable energy procurement, and energy services management
- Implementation roadmap, including infrastructure and capacity assessment, operational plan, ongoing risk management, and change management.
- Proprietary **EV Intelligence™** database for fleet optimization based on price, range, efficiency, sales, and market availability

“Solas Energy has key strategy and modeling skills that have supported our journey on sustainable development and business development. I highly recommend them.”

Senior Sustainability Manager
TIER 1 Telecom Company

Project Assessment and Development

- Technology evaluation, site selection, and feasibility studies
- Due diligence services including interconnection strategy, land and title review, resource and offtake review, environmental review, and operating strategies
- Project regulatory and development services, EPC bid management, and project and construction management

Contact Us Today to Learn More

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Innovative. Comprehensive. Trusted.

