



## Grid Modernization

**From complexity to clarity in the energy transition.**

**Electricity grids are evolving rapidly, challenged by aging infrastructure, rising demand, and accelerating electrification.**

Solas Energy® provides independent expertise in grid modernization, helping clients navigate complexity with clarity and trusted strategy. From forecasting and impact modeling to project development and regulatory guidance, we deliver actionable insights that advance resilient, decarbonized power systems.



Expert Advisory &  
Market Insights



Zero Emission  
Fleet Optimization



Project Development  
& Assessment

### Expert Advisory & Market Insights

- DER and EV load forecasting and integration modeling.
- Energy storage economics for grid services.
- ZEV market assessment: infrastructure, environmental, and demand outlooks.
- Proprietary fleet modeling: vehicle sales, charging demand, grid and GHG impacts, battery and mineral demand.
- Evaluation of emerging grid modernization and smart grid technologies.

### Zero Emission Fleet Optimization

- Strategies for light, medium, and heavy-duty vehicle integration.
- Electrification vs. alternative fuel pathways, charging protocols, and infrastructure assessment.
- Financial evaluation including renewable energy procurement and energy services management.
- Implementation planning: infrastructure and capacity assessment, risk management, change management.
- Proprietary EV Intelligence™ database for fleet optimization.

### Project Development & Assessment

- Technology evaluation, site selection, and feasibility studies.
- Due diligence services: interconnection, land and title review, regulatory reviews, and permitting.
- Independent advisory for regulatory engagement, EPC bid management, and owner's engineering support.

*"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

**Modernizing  
Grids. Enabling  
Growth.**

### Contact Us Today to Learn More

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**Innovative. Comprehensive. Trusted.**

