

GOALS

Energy Sustainability Services

Sustainable Energy Studies

Establish Industry Benchmarks

Investment Planned Outcomes

Track Progress to Goals

Projects Delivery

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Corporate Sustainability Goals

Power Generation & Delivery

Power Resiliency & Microgrids

Industrial Plants

District Energy

Smart Cities

Real Estate

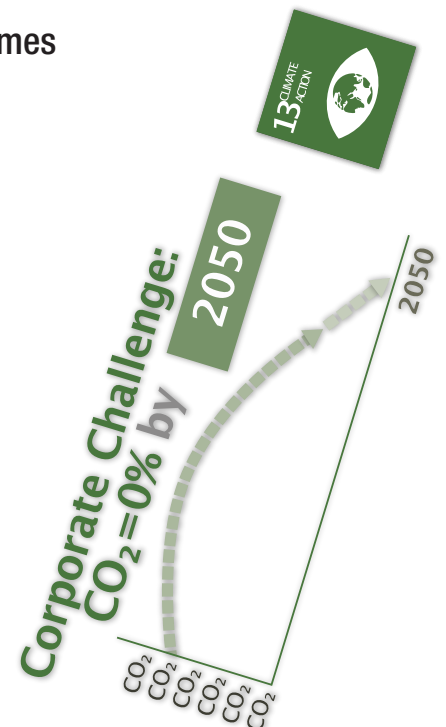
Airports

Universities

Healthcare

Government

Cogen





Wunderlich-Malec

Engineering | Systems | Services

*Helping Clients
meet their goals
since 1981*

*Experienced
Experts Create
Achievable Plans*

*Technology
to Monitor
and Prioritize
Investments*

*Our energy experts help our clients address
sustainability challenges to improve their energy
reliability and efficiency efforts based on their
decarbonization goals.*

Wunderlich-Malec is helping clients with practical and cost effective solutions to measure, track and manage changes in energy systems and energy procurement to meet energy sustainability and resiliency goals.

Our mGrid® microgrid business architects and electrical power engineering teams work to design energy supply projects to meet these goals with more robust distribution, distributed energy resources and advanced energy procurement strategies using patented tools and processes.

Comprehensive Services to Achieve Goals

Energy Sustainability Studies

Objectives & ROI Based Plans

Track Progress to Goals

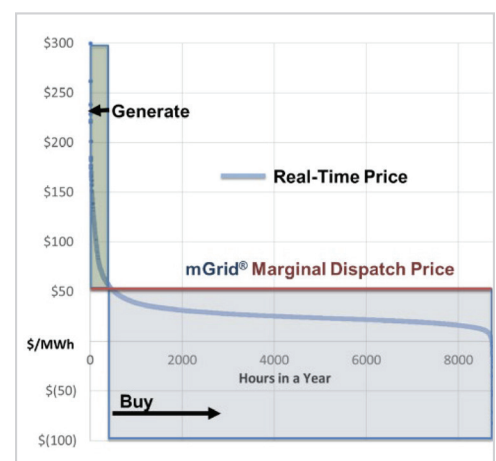
Project Delivery

Wunderlich-Malec experts helped create and practice US Green Building Council's PEER™ program for achieving sustainable power delivery.

Our cutting-edge technology mGrid® provides power delivery modeling, simulation, control, and reporting. It uses real time energy pricing to reduce energy costs while decarbonizing energy used.

mGrid® patented tools provide actionable, economic investment return information to help identify optimal energy infrastructure investments.

mGrid® Economic Dispatch



mGrid® supervisory information indicates how energy is being delivered to provide the best long term value option.

***Energy
Sustainability
Studies***

Objectives & ROI Based Plans

Track Progress to Goals

Project Delivery

Energy Delivery Assessment Studies

We provide initial economic **mGrid®** performance and risk assessment that includes:

- Benchmark performance indicators for reliability, environmental, and energy efficiency
- Identification of improvement strategies that maximize performance including potential distributed generation and/or combined heat and power generation
- Identify risk factors and mitigation strategies
- Optional PEER rating or certification to benchmark to industry best in class, see “peer.gbci.org”

Microgrid Qualification Plans

Wunderlich-Malec provides mGrid® microgrid feasibility, optimization and financial studies used to:

- Optimize site generation configurations
- Develop cost estimates
- Run financial models with hourly data
- Rank technology alternatives as needed with different price and operational sensitivities
- Optimize ROI and project goals

We can run live simulation models utilizing real time energy use and cost data to help plan timing for future investments. Our customers can monitor model results to understand how changes in plant configuration and energy procurement will affect their future financial results.

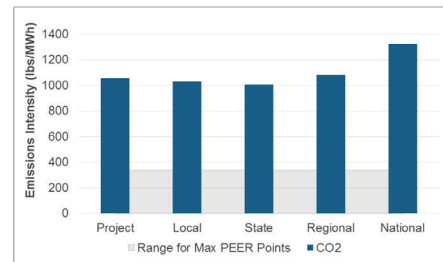
Technology Adds Value to Information

Wunderlich-Malec excels at developing enterprise information management systems. We use best-in-class SCADA, Historian, and HMI platforms combined with KPI tracking that insightfully monitor progress of energy system modifications. Our experts also securely integrate **Cloud-based AI** tools to further optimize energy systems.

EPC Project Delivery Services

Wunderlich-Malec offers a unique, single-source solution to project delivery stemming from our extensive system integration and modular manufacturing capabilities, including:

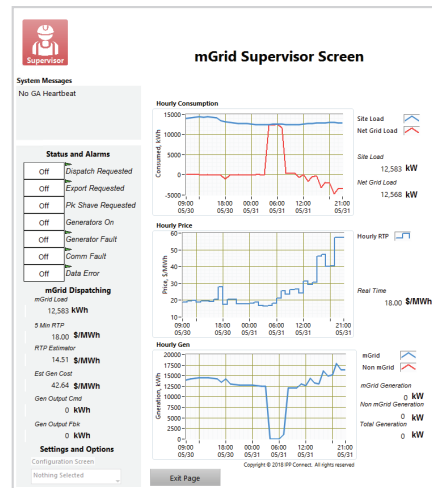
- Architectural, Mechanical, Electrical, Controls
- Process, Manufacturing, Electrical Integration
- Modular solutions with Plug & Play
- Construction Management



Monitoring, aggregating and visualizing information using advanced SCADA technologies for smart cities, campuses, facilities and industries.



*Information in context provides
the right information to enhance
business performance.*



Reporting performance information with baseline, current and targets provides best in class progress to goals.



Using Modular Design and Construction with Exterior Plug Connections offers quick project builds in difficult locations.

Experience you can build on since 1981

Wunderlich-Malec provides customers with assistance in meeting sustainability goals with practical, cost-effective solutions for energy delivery and resiliency.

With over 500 experienced professionals, our team is one of the largest and most well-established engineering, system integration and process automation providers in North America.

As an experienced consulting, design engineering and integration company with offices throughout the United States, we are uniquely qualified *to deliver value engineering services that lower costs, improve quality and accelerate project schedules, including:*

- Architect Design
- Mechanical Design
- Power Electrical Design
- Controls and Automation
- Environmental Compliance
- Real-time Documentation
- System Integration
- Mechanical Fabrication
- Water Treatment
- Power Distribution Control
- Modular Control Enclosures
- Plug & Play Construction

Centers of Excellence

