



A Proven Partner for Infrastructure Modernization

OPTERRA Energy Services partners with organizations in education, local and federal government, special districts, and healthcare to implement comprehensive facility and infrastructure modernization programs. OPTERRA has a strong record of delivering safe, reliable, sustainable, and cost-effective solutions that are guaranteed to meet customer needs over the long term.

Infrastructure Expertise

Whether modernizing legacy systems or delivering completely new infrastructure, OPTERRA offers a broad set of capabilities across:



Automation & Controls



Central Utility Plants



Heating, Ventilation, & Air Conditioning (HVAC)



Lighting



Water, Wastewater, & Biogas Systems



Renewable Energy Generation



Energy Storage & Microgrids



Electric Vehicle (EV) Infrastructure



Safety & Security Measures



Retro-commissioning

OPTERRA AT A GLANCE

50+
years
of operations

500+
public sector
agencies served

9,000+
completed projects

\$700M
in energy cost savings
for public agencies over
the past 11 years

With You from Start to Finish

With OPTERRA, public sector organizations benefit from a holistic, end-to-end approach that supports their entire modernization program lifecycle:



STRATEGY & PLANNING

- Opportunity Assessment
- Solution Integration
- Funding & Financing
- Stakeholder Communications



IMPLEMENTATION

- Engineering, Mechanical & Electrical Design
- Financial Incentive Application Support
- Procurement
- Project & Construction Mgmt



OPERATIONS & OPTIMIZATION

- Post-Construction Field Services
- Energy Monitoring
- Performance & Savings Reports
- Measurement & Verification
- Student & Community Engagement



Oregon Community School District 220 (Illinois) engaged OPTERRA Energy Services to complete a wide range of modernization projects. These included geothermal and domestic hot water systems, a new district office and IT building, remodeled classrooms and athletic facilities, various campus security improvements, upgraded building envelopes, and energy-efficient LED lighting.



The **City of Milpitas (California)** launched a comprehensive smart city energy and water savings program with OPTERRA. The program includes sustainable microgrids, smart meter and lighting retrofits, water treatment upgrades, and a supervisory control and data acquisition (SCADA) system. Milpitas is forecast to save more than \$1.5 million in energy and water costs annually. These efficiencies will help the city meet its climate action goals and cover program costs.



To improve its wastewater facilities with an environmentally responsible solution, **Broward County Water and Wastewater Division (Florida)** worked with OPTERRA on an innovative cogeneration system: a methane-fueled engine generator which produces power from biogas to offset power purchased from the local utility. The system produces up to 1.99 megawatts of power annually with guaranteed savings of more than \$26 million over 17 years and substantial carbon emissions reductions.