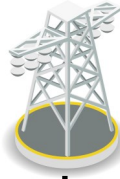


Facilities Power Systems

Address expansion needs without writing off aging assets and ensuring future migration.

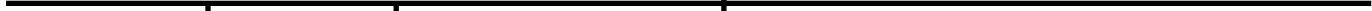
- Emergency generator becoming inadequate and replacement is significant impact
- Rooftop solar generation and EV [Electric Vehicle] charging stations

Utility



Electrical has changed in the last decades and the next era pose to be our most challenging from additional demands of our services to supply limitations and overall power quality.

Smart Grids; integrated relationship of supply to user that operate on the same valued principles.



Emergency Generator (Existing)



Emergency Generator (New)

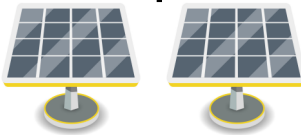
Municipal and Institutions



Add additional emergency generators that work with existing, load sharing and improve system reliability.

- Connect/disconnect as closed transition process eliminating equipment 'power reboots'
- Real load for generator testing and ability to supplement utility with supply contribution
- Be made aware of any new issues that could prevent successful operation when needed

Minimize costs though optimizing use: develop operating profiles providing the most effective results to charge cars during high generation or low load conditions, eliminate peaks with site stored energy.



Solar Power (New)

Manage solar generation ensuring specified performance and equipment wellbeing.

- Notification of equipment failure and/or not operating as should
- Energy recording for cost contribution and smart overall operations
- Utility supply contribution of power and interfaced operations



EV Charging Stations (New)

Charge electric vehicles at a minimal cost and utilize to supplement overall load peaks.

- Ensure charging not when supply demand conditions or with other internal supply conditions favorable
- Momentary discharge to eliminate peak and aid utility supply shortfalls
- Support progressive social climate control

ESAC has 30+ years experience of power generation and load management as either overall project or strategic solutions suppliers working with vendors and contractors to ensure quality deliverables.

Automatic Transfer Switch – Basic or Advanced Systems
 Developing Operating Profiles and SCADA Energy Optimization
 Addressing Regulatory and Utility Requirements

All with Versed Technical Staff and CloudSCADA Integrated Solutions

Addressing all your electrical and software/hardware integration working with your operations to establish criteria and using the solution with our knowledge in implementation achieving goals.