

ARTHUR ENGINEERING, INC.



Distributed Generation Projects

*Consulting Electrical
and Control Systems
Engineers*



As energy costs rise, especially in California, interest in Distributed Generation (DG) opportunities continues to increase. Facilities that need hot water year round for boilers, laundry facilities, pools, etc. can benefit from running generators that can generate electricity and heat simultaneously. Arthur Engineering, Inc. has been involved with the interconnection and electrical aspects of several DG projects. We work closely with DG project developers and mechanical engineers to complete the overall project. We strive to keep current on the evolving utility interconnection rules, such as [CPUC Electric Rule 21](#) here in California, and can assist with preparation of the utility application. In addition, we can offer prospective site electrical review to pre-determine the Electrical Code impacts and interconnection requirements for adding DG or photovoltaic systems at a given site.

**ARTHUR
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Some of our Distributed Generation projects include the following:

- **ACC Energy**
Byron Park — Walnut Creek, CA 1-60kW Tecogen Unit
Casa Sandoval — Hayward, CA 1-60kW Tecogen Unit
Chabot College — Hayward, CA 4-75kW Tecogen Units
Mission de la Casa — San Jose, CA 1-75kW Tecogen Unit
- **Bloom Energy**
Various Fuel Cell Project Interconnections throughout California 50kW to 1MW Systems
- **Fairfield-Suisun Sewer District (FSSD) — Fairfield, CA**
Entegrity Wind Systems 4-50kW Wind Turbines
- **Morning Star Tomato Processing Plant — Williams, CA**
3MW Steam Turbine Co-Gen System
- **North Coast Solar Resources**
Park Bellevue Tower — Oakland, CA 65kW Capstone Micro Turbine
- **Sunpower**
Nellis Air Force Base — Las Vegas, NV 14MW Photovoltaic System
Florida Power & Light — Desoto 25MW system Peer Review
- **Water and Energy Management**
Bio-Rad Laboratories — Hercules, CA 3-150kW Coast Intelligen Machines
Maguire Jail — Redwood City, CA 2-150kW Coast Intelligen Machines
Balfour Aquatic Center — Brentwood, CA 1-60kW Tecogen Unit
Various other projects involving gas-recip cogen systems.

We have designed many other Photovoltaic and DG interconnections associated with our Winery and Food Processing client facilities over the years.