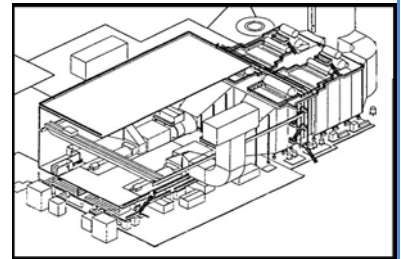
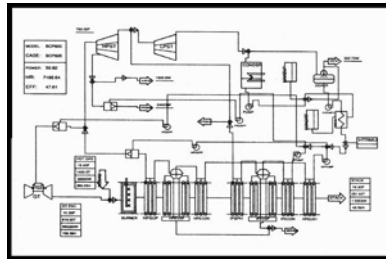


Potrero Repowering Alternatives

Mirant, L.L.C.



LOCATION:

San Francisco, California

PROJECTS & SERVICES:

- Managerial & Technical Consulting
- Engineering (Mechanical, Electrical, I&C)
- Planning/Project Management
- Operations & Maintenance Assessment
- Design

PROJECT OVERVIEW:

The Source California Energy Services team performed case study analysis of multiple repower alternatives at Potrero Power Plant. The repowering alternatives evaluated included technologies ranging from a hot windbox alternative (on the existing Unit 3) to various combined cycle installations for the site. The existing peaking units were evaluated as well from the standpoint of retrofit or replacement.

This effort was particularly challenging from the perspective of incorporating political implications associated with deeming an alternative viable. The San Francisco energy system is complicated on both the community group level and the transmission grid technical issue level. Water and air issues are highly contested among all stakeholders.

The resulting products included concept development, preliminary design, cost estimating, and project management. The multi-disciplined team created a very comprehensive evaluation of a redesigned Potrero site.