



SUCCESS STORIES

ECONOMIZER AND EVAPORATOR

COMBINED CYCLE POWER PLANT

LOCATION OXNARD, CA, U.S.A.
CUSTOMER TESORO WILMINGTON
YEAR 2013

PROJECT OVERVIEW

HRSG

- + No. of Units: 1
- + Type: 30 year old HVMC HRSGs

Vogt Power International was the only Babcock Power company involved with this project. The project started with a study to make it easier to clean the heating surface; the end result was a redesign that increased steam output by 10%. The increase in steam paid for the retrofit in under two years by itself. The total project value was approximately \$600k in Los Angeles, CA.



CUSTOMER PROBLEM

Due to burning refinery gas, the finned tubes were heavily fouled and the site did not have access to clean the tubes and the tubes were not set up in such a way to accommodate cleaning.

VOGT POWER SOLUTION

Supply new harps (4 econs harps, six evap harps per unit x 2 units) in a configuration that allows cleaning access and harp geometry to make cleaning possible and added economizer bypass system. Steam output increased by 10%.

PERFORMANCE RESULTS

Material delivered, no issues.

