



PearlStreet

POWER INDUSTRY CASE STUDY

MANAGING VERVE ENERGY'S KMK COGENERATION FACILITY

SERVICES: Asset Management, Engineering & Materials Consulting, Shutdown Planning & Execution

CONTRACT: KMK Cogeneration Facility Operations and Maintenance Project

CUSTOMER: Verve Energy

OVERVIEW

This project encompasses the operation, maintenance and asset management of the 40MW KMK Cogeneration Facility. PearlStreet is also responsible for identifying, developing, justifying and implementing major and minor plant improvement projects associated with the KMK Cogeneration Facility. PearlStreet secured the KMK Cogeneration Facility contract in 1998 for an initial period of six years. In 2005, this contract was renewed for a further four years, to 2009.



FEATURES

- Under PearlStreet management the KMK Cogeneration Facility has, to date, provided approximately 1.6 million MWhrs of electricity and 2 million tonnes of steam and exceeded all performance targets.
- No lost time injuries or significant environmental breaches have been experienced to date.
- PearlStreet has developed a track record for de-bugging plant construction, commissioning problems and transitioning the KMK Cogeneration Facility plant into a reliable and available operational asset.
- PearlStreet has undertaken major plant improvement project works including the upgrade of the plant's distributed control system, man machine interface and the re-design and upgrade of the facility's fire system.



The plant is rated to deliver up to 40 MW of electrical energy into Western Power's South West interconnected grid system and up to 72 Tonnes / Hour of steam direct to the TiWest Pigmentation Plant process.