



## Power

**NV Energy**  
Las Vegas, Nevada

**Engineer, Procure,  
Construct**  
600 MW Simple Cycle Plant

## Clark Station Project

### Project Description

NV Energy (formerly Nevada Power Company) selected CH2M HILL to engineer, procure, and construct the Clark Station Peaking Project located in Clark County, Las Vegas, Nevada. The project is a natural gas-fired simple cycle electric generation peaking facility consisting of three (3) simple cycle power blocks, each producing a nominal 200 MW and utilizing 12 Pratt & Whitney FT-8 SwiftPak combustion turbine-generators (CTG) provided by NV Energy. Each CTG exhaust is equipped with SCR/CO emission reduction equipment.

### Value Added Services

Examples of value added by CH2M HILL include the following:  
CH2M HILL's extensive knowledge of the Clark County site due to its previous work there, including the demolition of three existing boiler units.

CH2M HILL's favorable relationship with local craft labor resulting from the successful execution of nearby Harry Allen Station and the Silverhawk Plant.

CH2M HILL's integrated EPC approach with early focus on construction labor, plant constructability and existing site infrastructure.

### Project Specifics

- The plant is designed with one generator step up transformer for each 200 MW block.
- 10 minute start-up.
- Limited Notice to Proceed - January 2007
- Planned Construction Start - June 2007
- Completion - November 2008
- Peak Craft Labor Workforce - 280
- Peak Direct Craft Labor Workforce - 120
- Plant Control System upgrade