

Public Site Visit & Informational Hearing

Willow Pass Generating Station

California Energy Commission December 18, 2008

Mirant Corp. Overview

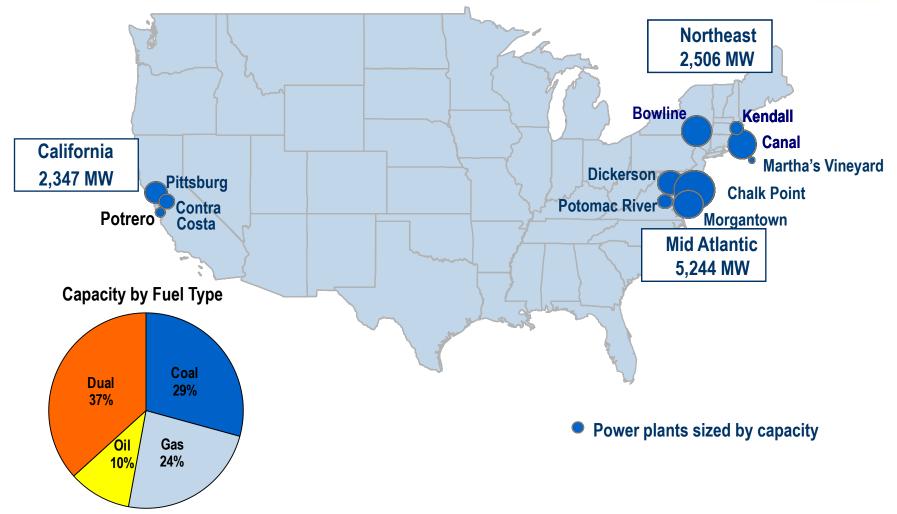


• Independent Power Producer

- Owns 13 power plants in Mid-Atlantic, New York, Boston, and California
- Total generating capacity in excess of 10,000 MW
- Three power plants in California (2,347 MW)
 - Pittsburg Power Plant (Pittsburg, CA)
 - Contra Costa Power Plant (Antioch, CA)
 - Potrero Power Plant (San Francisco, CA)

Mirant Operations





Why New Generation?



• Why Now?

- California needs new efficient electric generating capacity
- Increased use of intermittent renewable resources will require new power plants that can start quickly, and then rapidly increase and decrease output as needed

• Why Here?

- State policy encourages the construction of new units at existing plant sites (brownfield development, utilize existing infrastructure)
- Need new capacity to meet local electric reliability needs

Project Location





WPGS Simulations Before & After





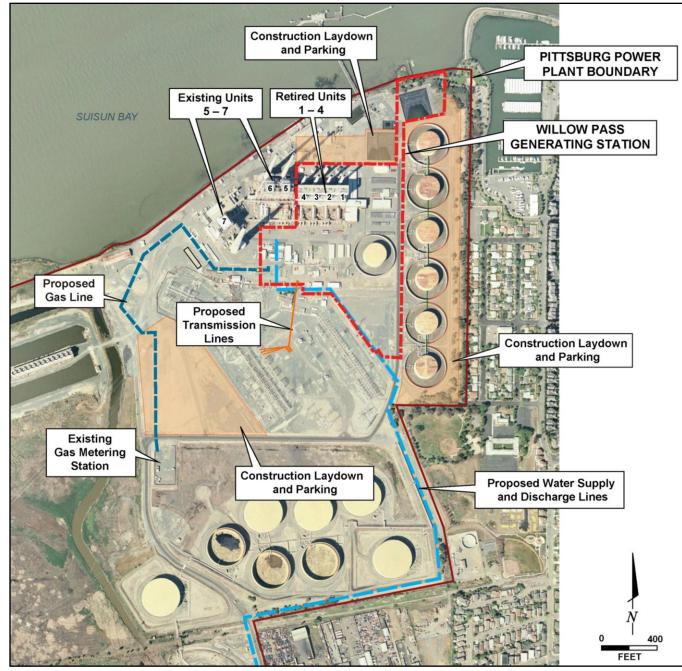
Visual Simulation

Existing Facility





Site Plan



Project Benefits



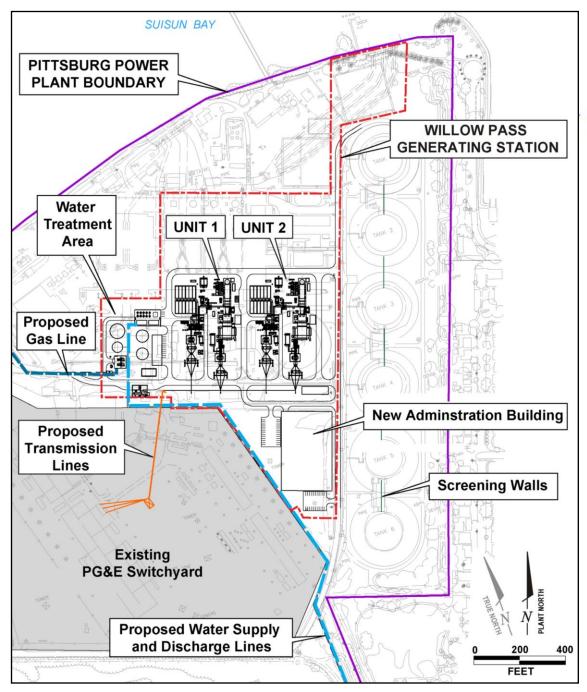
Feature	Benefits
Stand-alone facility located on 26 acres within the 1,000- acre Pittsburg Power Plant site	Brownfield development
	 Existing Power Plant site
	 Located on previously disturbed areas
	In Local Reliability Area
Demolition of existing Units 1-4, administration building, and one fuel oil tank	 Replaces four 211-foot tall stacks with two 150-foot tall stacks, improving visual profile
	 Locates plant within existing plant footprint
	 Recycle demolition materials, where feasible
Adjacent to existing infrastructure	Connects to adjacent PG&E substation
	• No new offsite transmission or gas lines, minimizing offsite impacts

Project Benefits (cont'd)



Feature	Benefits
New Administration Building	Pursuing LEED [®] certification
Start construction in late 2009,	 Up to 390 union construction
with commercial operation by	jobs Estimated \$1.9 million in
mid-2012	construction sales tax revenue
Construction laydown and	 No offsite construction laydown
parking areas all located within	or parking areas, minimizing
Pittsburg Power Plant site	offsite impacts Use previously disturbed areas

WPGS Site Layout



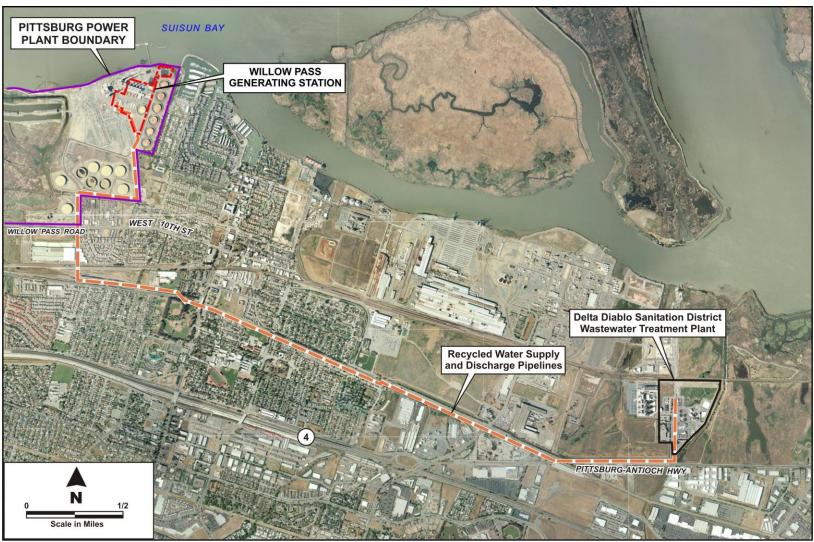
Facility Benefits



Feature	Benefits
Two 1x1 Siemens FP10 combined cycle units	 State-of-the-art units Highly efficient, ultra low emissions Fast start, low startup emissions Provides operation flexibility to follow load and respond to changes in renewable output
	 All permitted emissions will be offset by local emission reduction credits
Best Available Control Technology (BACT)	 Control air emissions to lowest feasible level Meet all BAAQMD air emission requirements Continuous emissions monitoring system
Utilize pipeline- quality natural gas	 Clean and abundant domestic fuel source Limits combustion emissions
Air Cooled Heat Exchangers (ACHE)	 Eliminates need to use water for cooling Compact design creates less visual impact than typical air cooled condensers
Total Net Output = 550 MW	Equivalent to supplying more than 450,000 homes

Recycled Water Supply Plan





Recycled Water Supply Benefits



Feature	Benefits
Dry Cooled	No water will be used for plant cooling purposes
	 Plant uses far less water than conventional wet-cooled plant
	No visual plume
	• Fully satisfies CEC policies regarding use of water for cooling
Use Recycled Water for Process Needs	Plant uses a small amount of recycled water
	 Uses a resource that would otherwise be discharged by DDSD
	 Conserves potable freshwater resources
	 Recycled water supply and discharge connected to Delta Diablo Sanitation District
	 More than 60% of recycled water delivered to site will be consumed, with remainder returned to DDSD

Community Economic Benefits



Revenues

- Construction sales tax revenue: Estimated \$1.9 million (one-time)
- Sales tax revenue due to operation: Estimated \$25,000 (permanent, annual)
- Property tax revenue: Up to \$6.6 million (permanent, annual)

Jobs

- Construction jobs: 390 at peak
- 20 full-time permanent employees = Estimated \$3.5 million annual payroll





- Provides needed efficient electric generating capacity to Northern California and local area
- Brownfield development at an existing power plant site in an industrial area
- Connects to adjacent PG&E switchyard (no offsite transmission linears required)
- Provides tax revenues and job opportunities to the local community
- No significant environmental impacts

For More Information:



• Contact Mirant

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• Visit the Website

www.mirantwillowpass.com