

Welcome  
Introduce team  
Meeting layout



The AES Corporation is a Fortune 500 global power company. With a workforce of 9,000, we provide energy in 15 countries through our diverse portfolio of distribution businesses as well as thermal and renewable generation facilities including AES Huntington Beach which is part of our AES Southland portfolio and includes AES Redondo Beach, AES Alamitos in Long Beach, and our wind generation AES Palm Sprints.

The Huntington Beach Energy Project (HBEP) is a highly efficient, 844 megawatt natural gas-fired, combined cycle, air-cooled power plant with the capacity to power 1,200,000 southern California homes.

It consists of a 644-MW Combine Cycle Gas Turbine Power Block (currently under construction), and a 200-MW Simply Cycle Gas Turbine Power Block (will not be constructed if no contract is awarded) and the demolition and removal of the old steam generators and stacks.



#### Improvements:

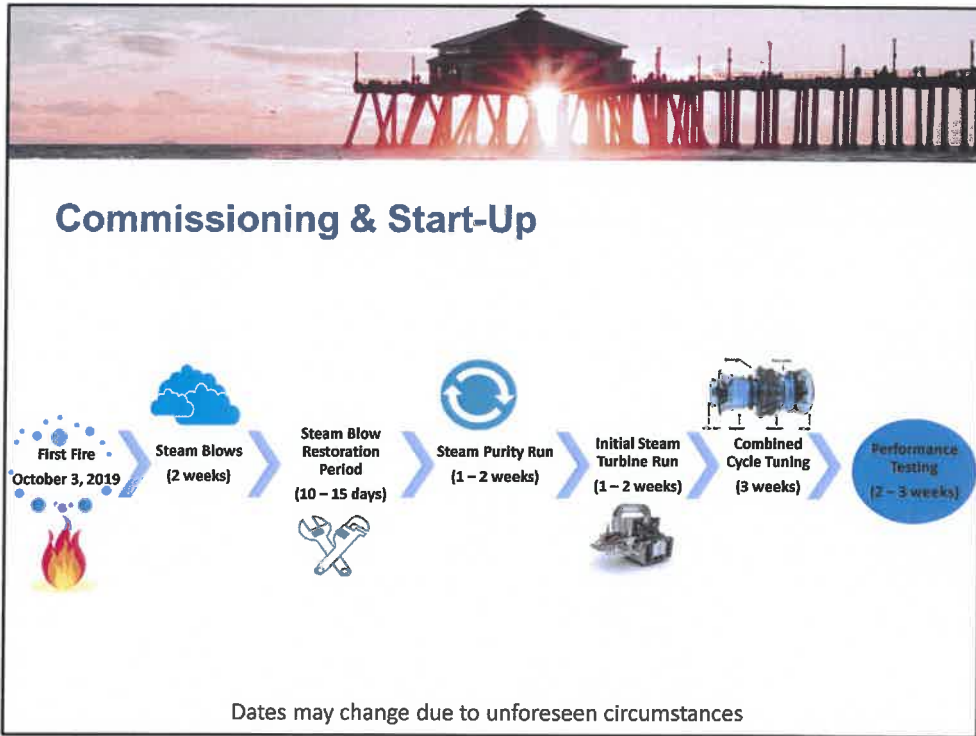
- 50% less fuel to deliver the same electrical service
- Cut emission rates nearly in half
- Increase operating flexibility enabling integration of renewable energy
- No ocean water and use of fresh water reduced by approximately 70%
- Shorter and sleeker

#### Project status

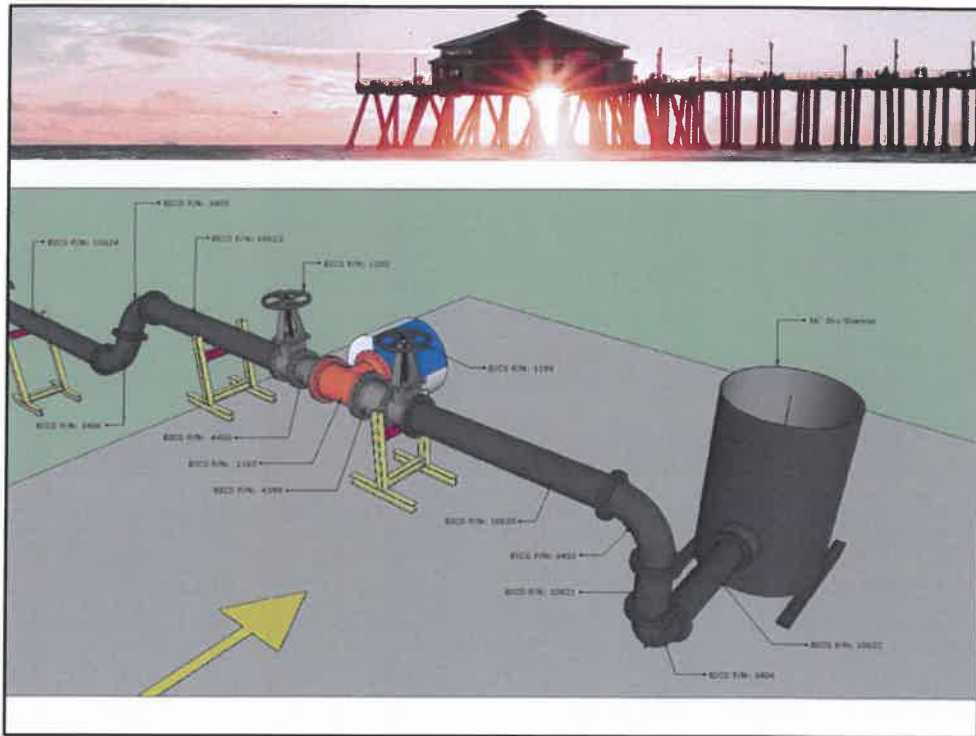
- The California Energy Commission (CEC) approved an amended HBEP license in April 2017
- HBEP construction began June 2017
- 92% complete
- Fun facts and major accomplishments
  - 1.6 million – number of man-hours worked
  - Over 4000 - number of piles installed
  - 1.2 million – amount of cable installed
  - 500,000 pounds – weight of pair of generators delivered in 2018 (enough capacity to power about 250,000 Southern CA homes)
  - 440,000 pounds – weight of two combustion turbines delivered in 2017 (which we are proud to say were made in America)
  - \$45 million – amount of money spent in local purchases
  - \$8 million – annual dollars contributed to the local economy while generating tax revenue to help pay for local police and fire services



Please visit [www.renewaeshungtington.com](http://www.renewaeshungtington.com) to learn about combined-cycle gas technology.



Please see the HBEP Commissioning and Start-Up Activities FAQ for detailed information about this process.



#### Temporary piping, steam vent and silencer

The temporary Steam Blow piping is run from the blow point on the steam piping to an end point fitted with a silencer that functions to reduce the sound produced by the Steam Blow.



Next steps:

- Magnolia laydown yard demobilization early Q4 2019
- Newland parking demobilization May 2020
- Major commissioning and start up activities October 2019
- Completion 1<sup>st</sup> Quarter 2020
- Demolition 2020 - 2023





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