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# AES Huntington Beach Redevelopment

November 9, 2011

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# Our Objectives for the Redevelopment

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- Help California achieve its clean energy and environmental goals
  - Build a modernized power plant that will be:
    - ◆ Smaller & Lower – reducing visual impacts
    - ◆ More efficient – producing more energy for the same amount of fuel
    - ◆ More flexible – highly responsive to system needs
    - ◆ Environmentally superior – meeting all of California’s air quality regulations, which are among the strictest in the nation
    - ◆ Electrically critical – continuing to provide grid support due to specific location
  - The new power plant will:
    - ◆ Operate to meet intermediate and peak demand
    - ◆ Support renewable resources, like wind and solar
    - ◆ Provide a local supply of electricity
    - ◆ Help to minimize consumer costs
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# Preliminary Plant Rendering

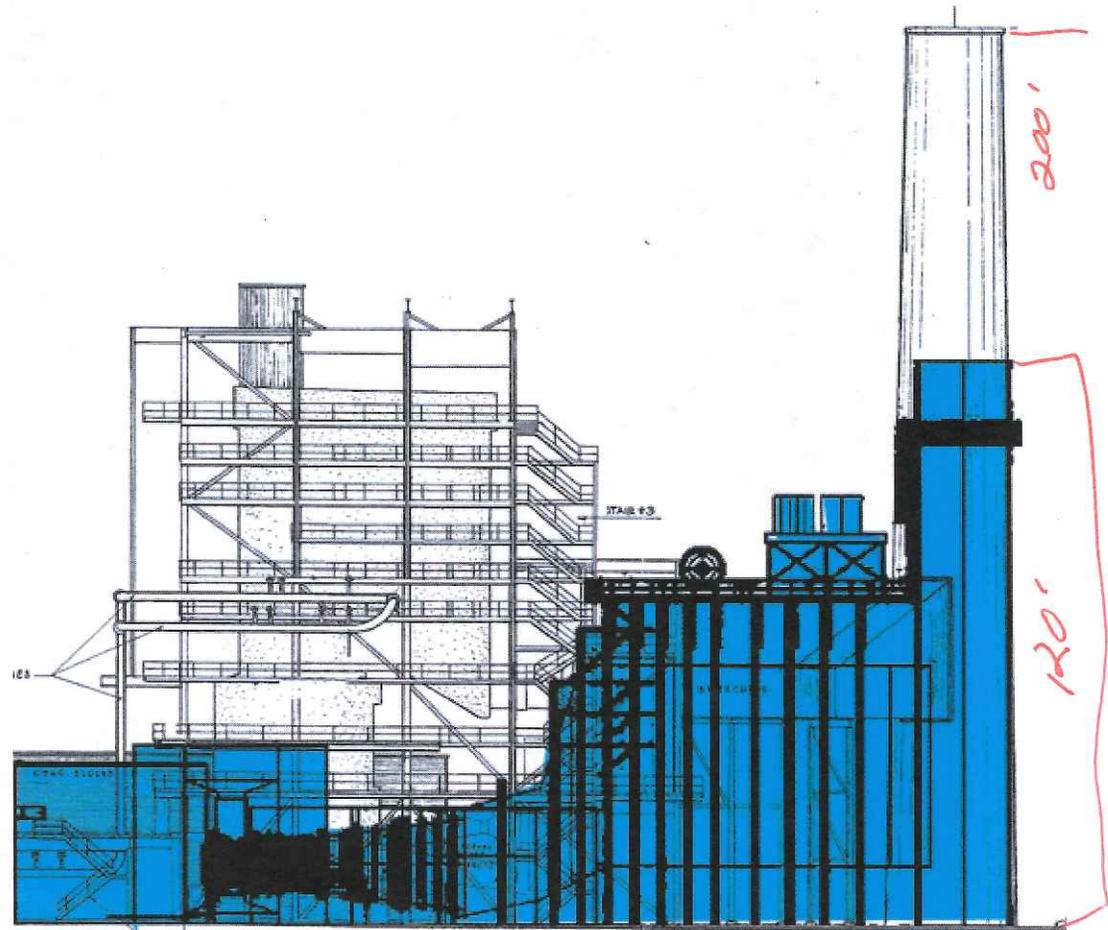
Preliminary



# Project Attributes

Attribute	Current	Project
<b>Size</b> (Megawatts)	880	950
<b>Height</b> (Feet)	Stack – 202 Boiler – 152	Stack – 120 HRSG – 80 ACC ~ 100
<b>Efficiency</b> (Btu/kWh)	9,925	7,200
<b>Startup</b>	12 hours	10 minutes
<b>Ramp Rate</b> (MW per min.)	4	40 to 200
<b>Emissions</b> (parts per million)		
NOX	7/5	2.5
CO	500/5	4
Ammonia slip	10/10	5

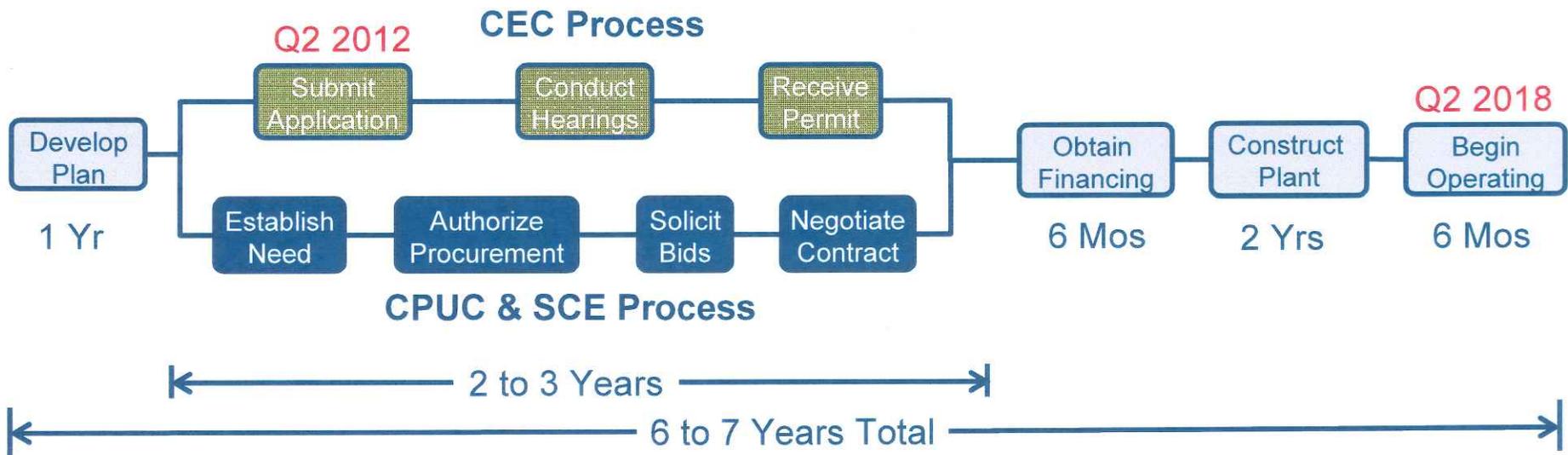
**Preliminary**



# Power Plant Licensing Process and Timeline



- California Energy Commission (CEC) is responsible for granting project license or permit
- South Coast Air Quality Management (SCAQMD) will issue Permit to Construct
- 18 – 24 month public process with multiple hearings
- All other regulatory agencies, governmental entities and any interested party can participate in proceeding
- Eighteen areas of environmental assessment will be evaluated



“We know that to be successful this can’t just be an AES project. It must be a community effort and we all should benefit.”

Thank You!

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