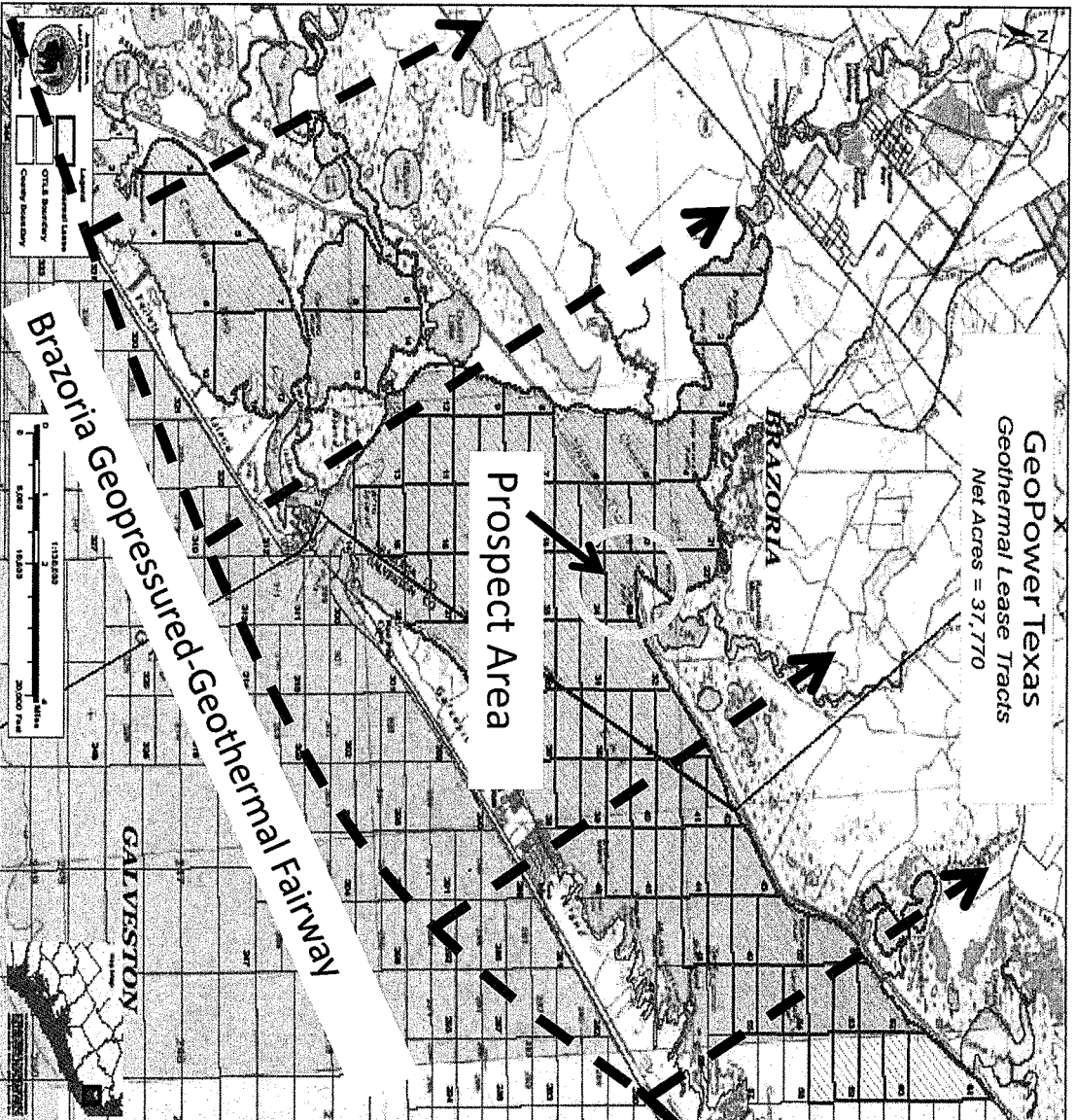
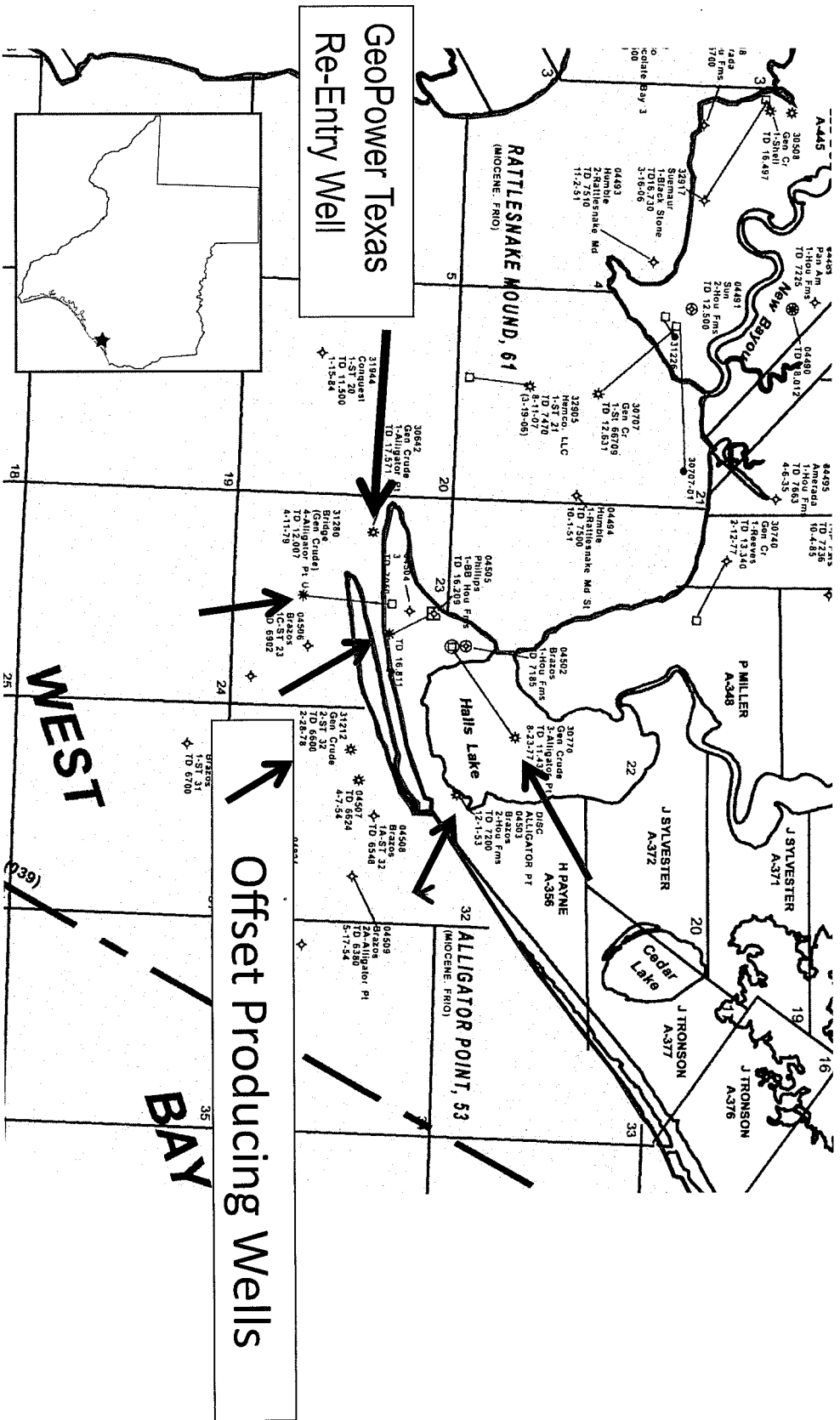


Brazoria Property: 37,770 Acres



Brazoria Well Location And Nearby Wells



Geopressure Energy Source 1 Thermal: Hot Brines

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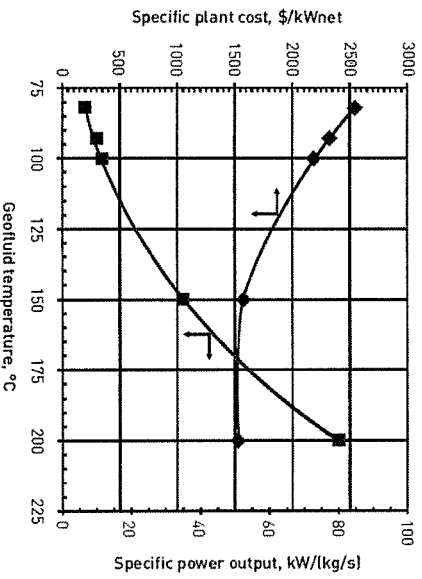


Figure 7.4 Cost and performance of 1 MW binary power plants as a function of geofluid temperature in degrees Celsius (°C).

- Improved output of current binary geothermal turbines: benefit geopressure projects.
- Utilize exhaust heat form natural gas increase brine temperature.

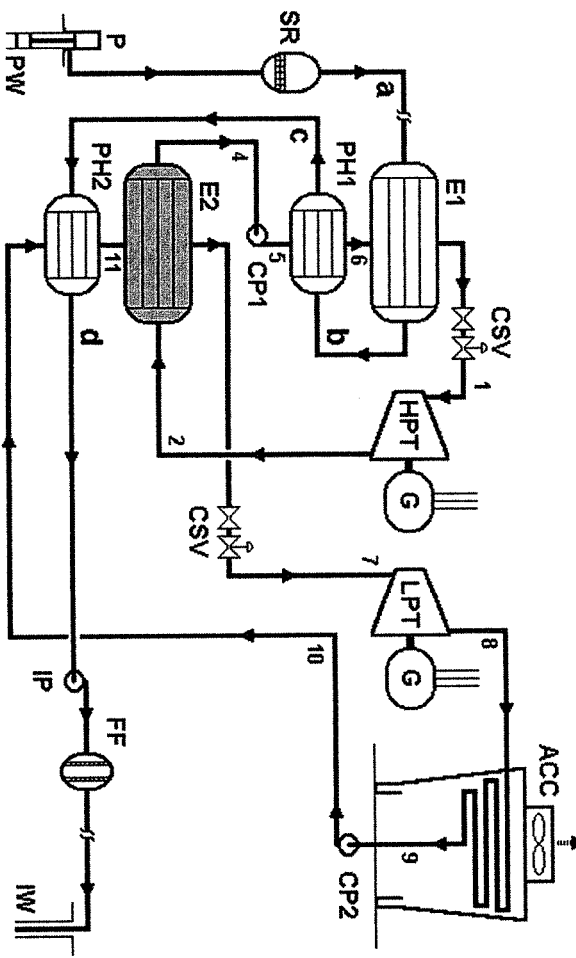
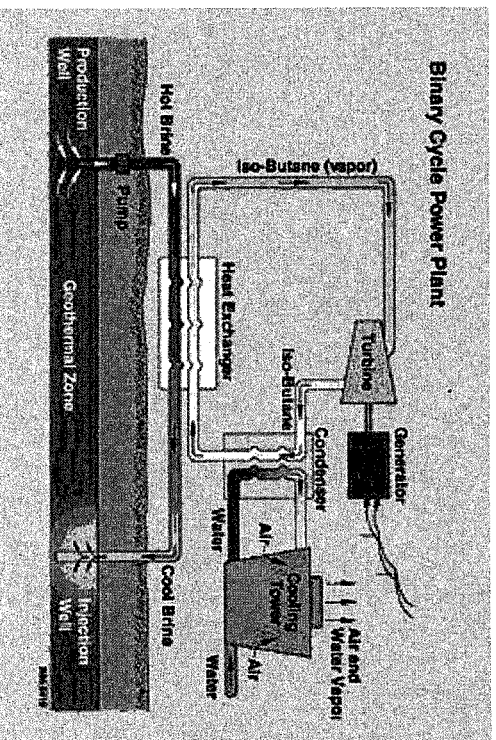


Fig. 8.13 Dual-fluid cascaded binary cycle featuring a heat recuperator.

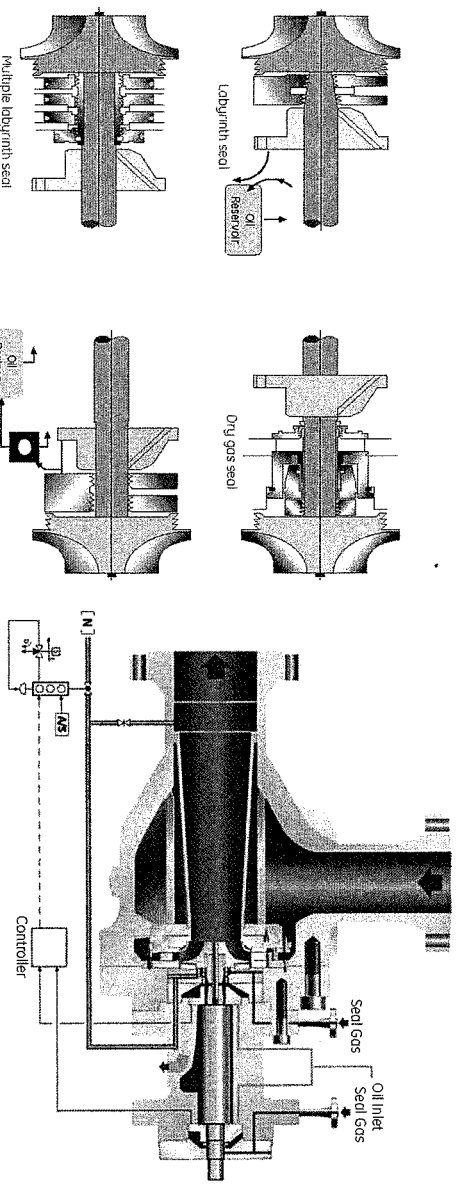


Geopressure Energy Source 3

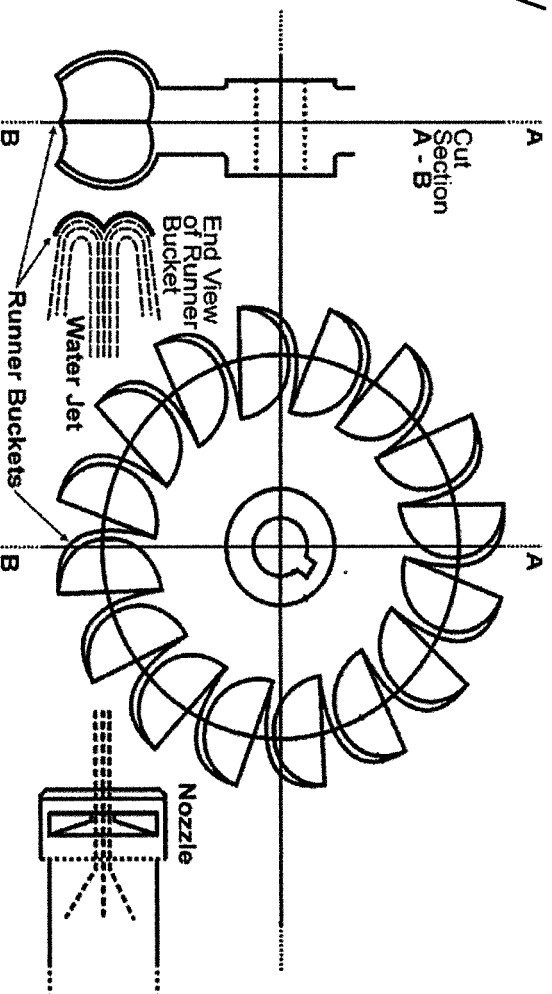
Kinetic: Overpressured Hydrostatic Head

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GE Turbo Expander: Low pressure geothermal Applied engineering to optimize use of high pressure



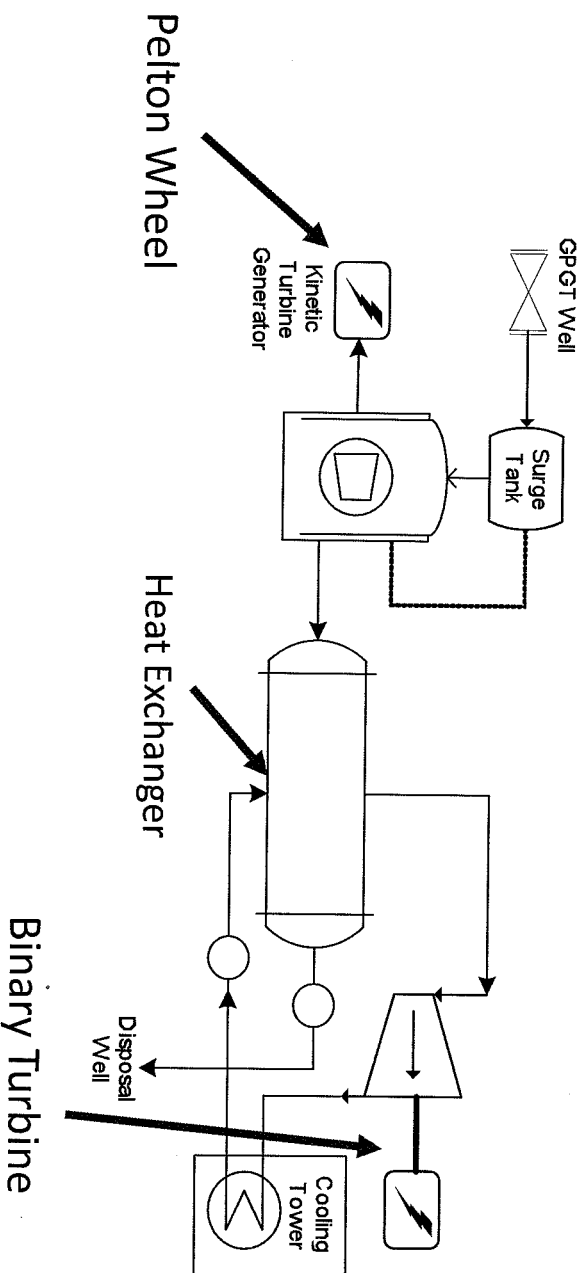
Current design plan is high pressure turbine followed by binary turbine.



Generic Pelton Wheel

Concept: Combined Power System

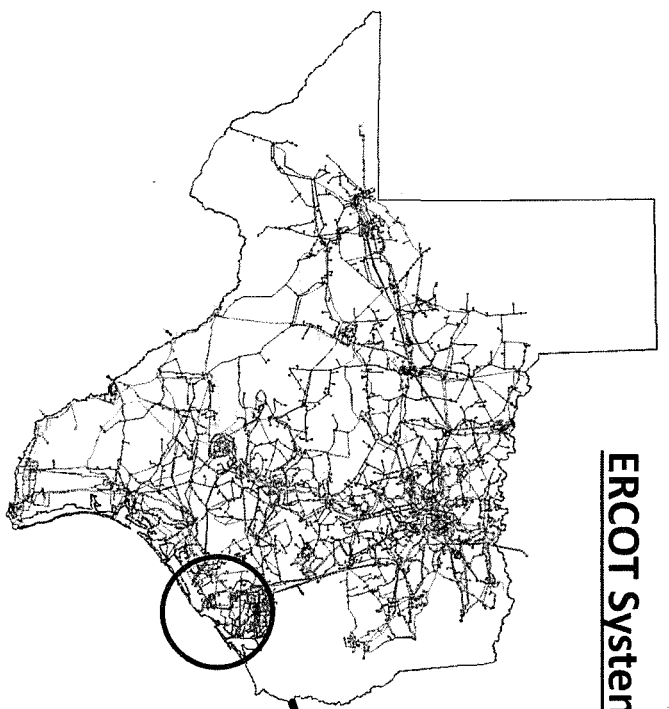
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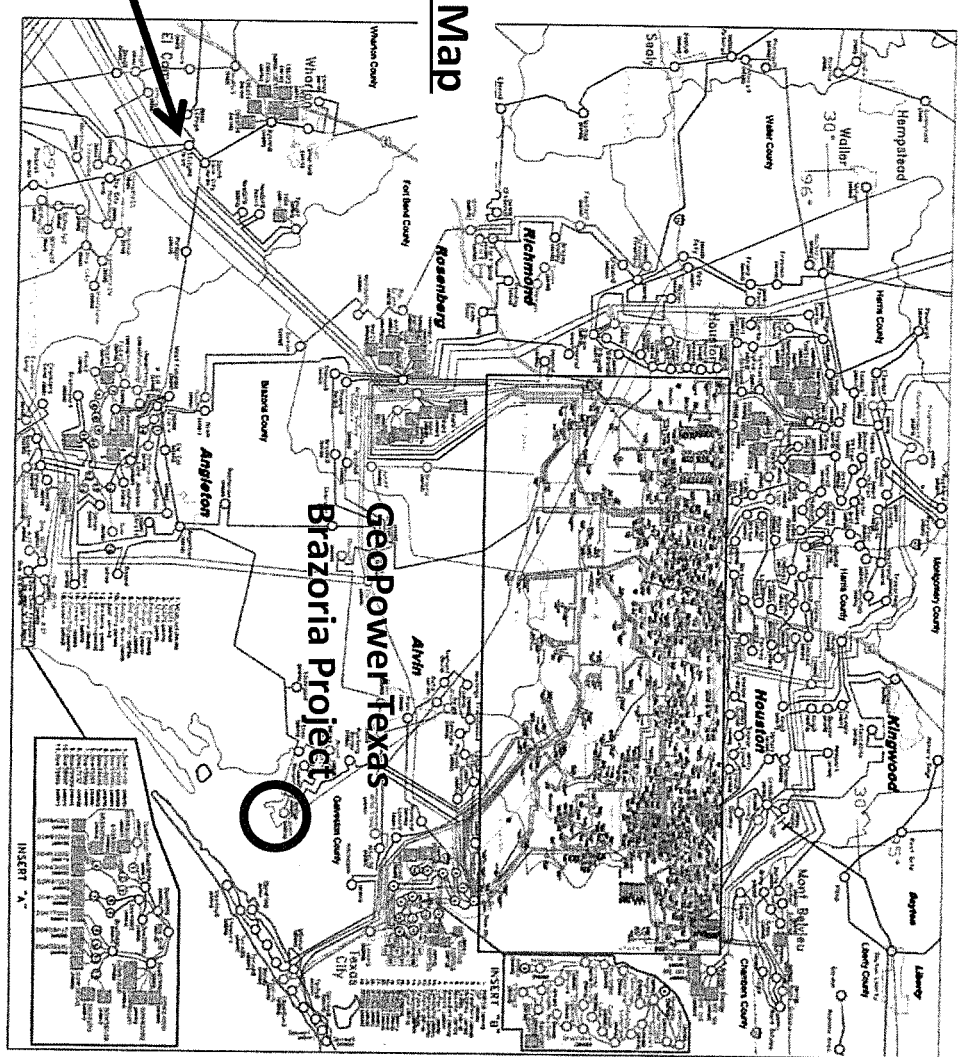
Texas Gulf Coast Electric Transmission Capacity

- Numerous substation sites with capacity available for new plants

ERCOT System Map



Houston Insert



Other Uses: Data Centers, Cquestration, Algae
 Concept Model Only

Confidential

