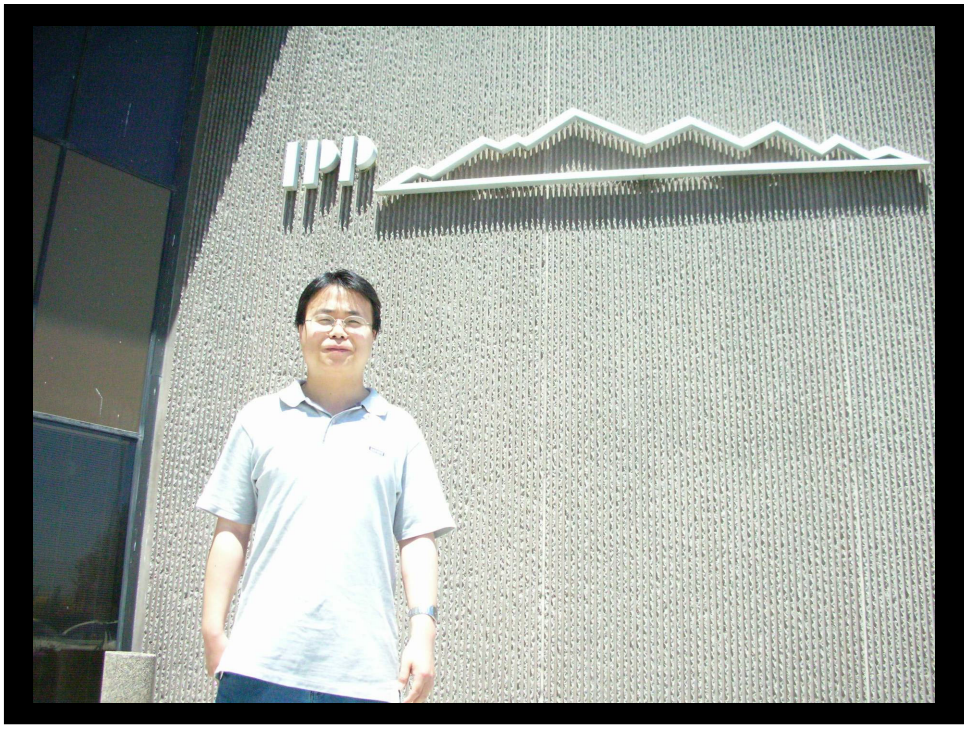
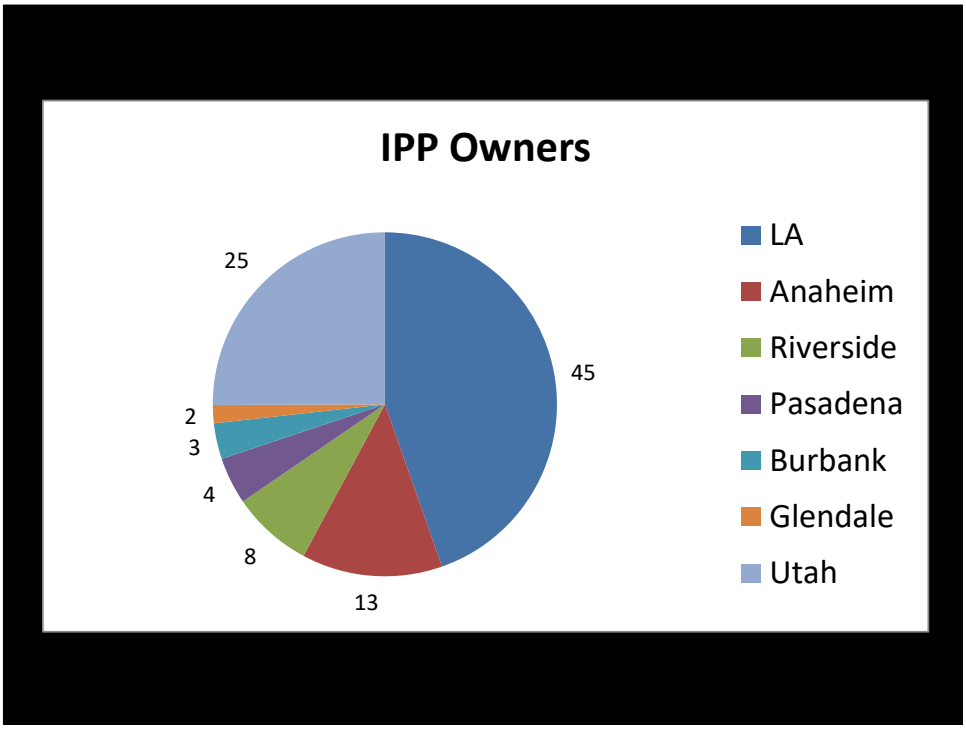
Intermountain Power Project
Delta, Utah
Two 950 MWe Units
All electricity goes to LA basin over
1 million volt DC power lines

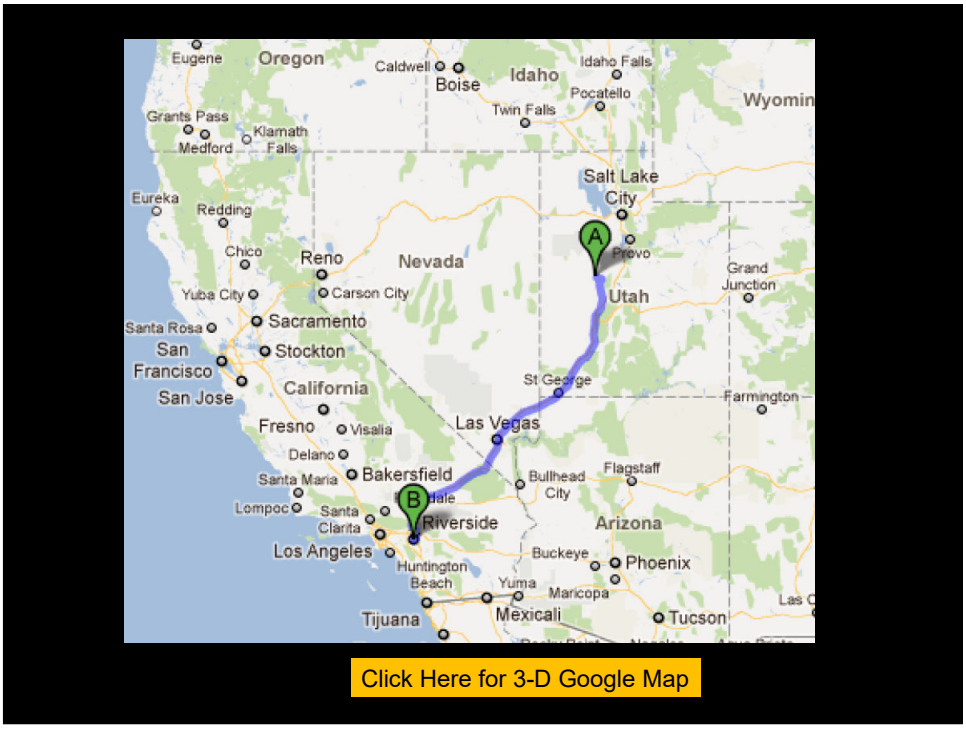
1


IPP

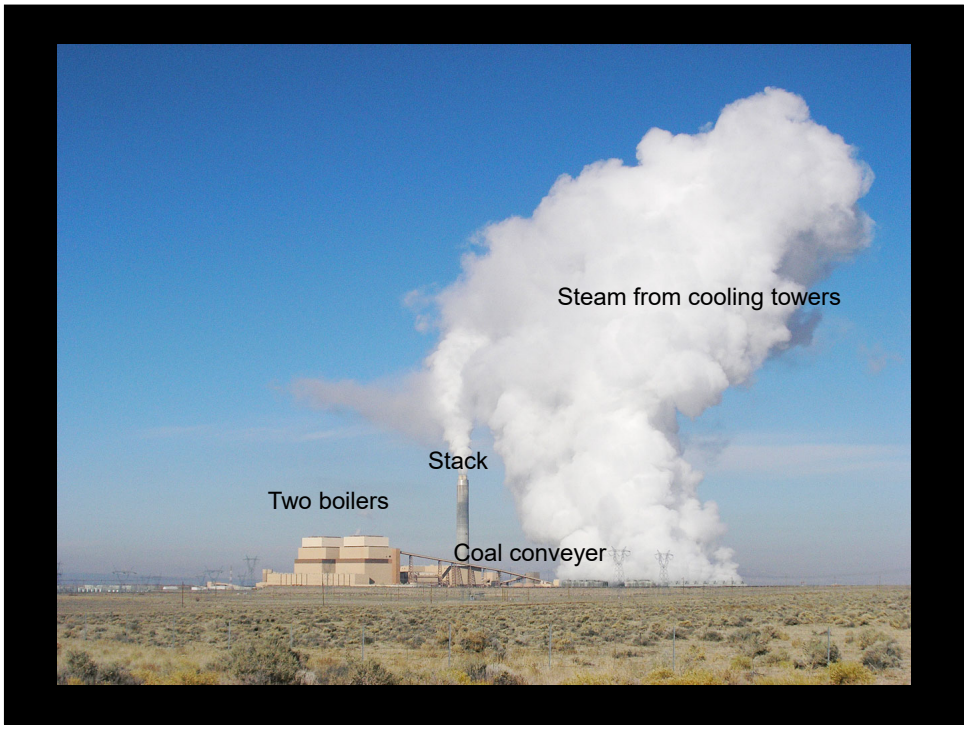
2


IPP Owners
25
45
2
3
4
8
13
LA
Anaheim
Riverside
Pasadena
Burbank
Glendale
Utah

3


Eugene
Oregon
Caldwell
Boise
Idaho
Idaho Falls
Pocatello
Twin Falls
Wyomin
Grants Pass
Medford
Klamath Falls
Eureka
Redding
Salt Lake City
Chico
Reno
Nevada
Provo
Grand Junction
Yuba City
Carson City
Utah
Santa Rosa
Sacramento
San Francisco
Stockton
California
San Jose
St George
Farmington
Fresno
Visalia
Las Vegas
Delano
Bakersfield
Flagstaff
Santa Maria
Bullhead City
Lompoc
Santa Clarita
Riverside
Arizona
Los Angeles
Buckeye
Phoenix
Huntington Beach
Yuma
Maricopa
Tijuana
Mexicali
Tucson
A
B
Click Here for 3-D Google Map

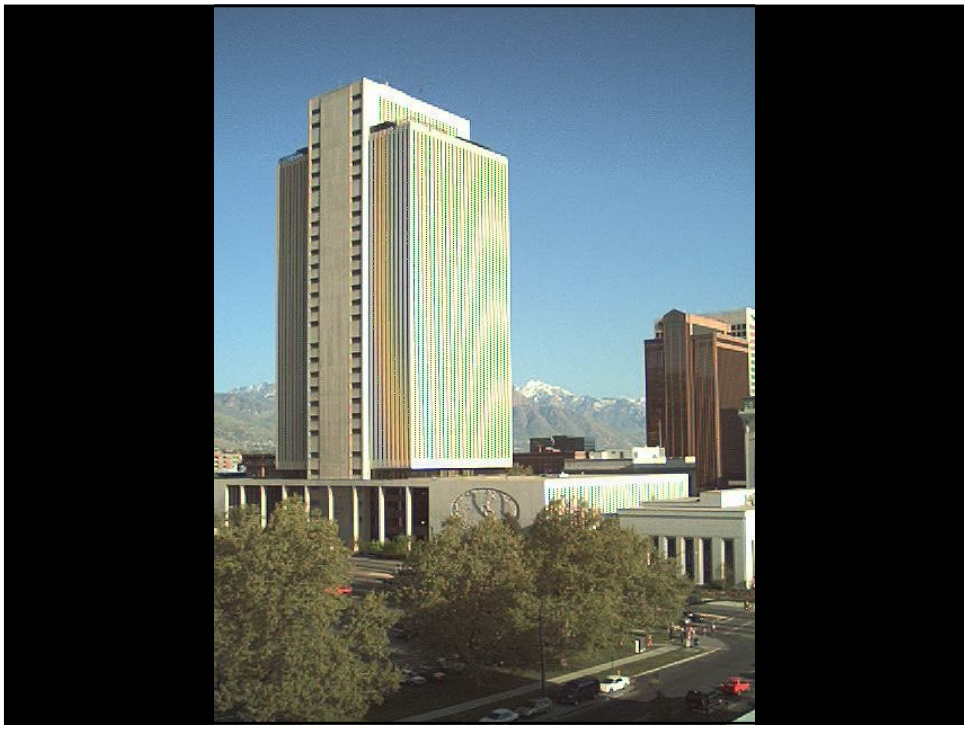
4


Steam from cooling towers
Stack
Two boilers
Coal conveyer

5

The inside of each boiler is bigger than the Church Office Building in Salt Lake City!

6



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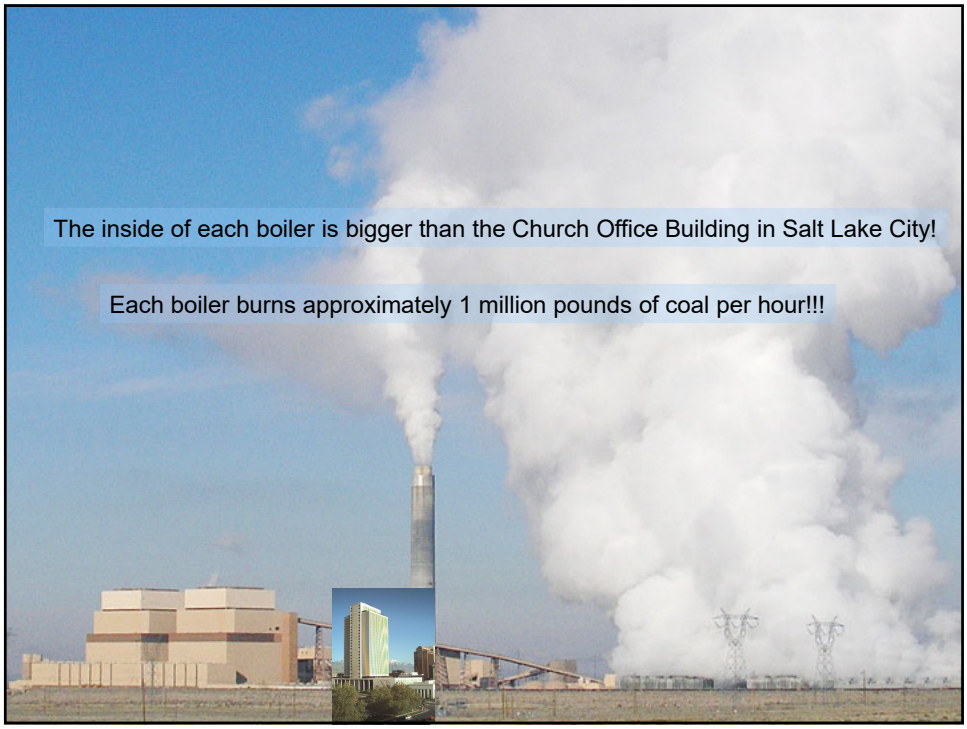
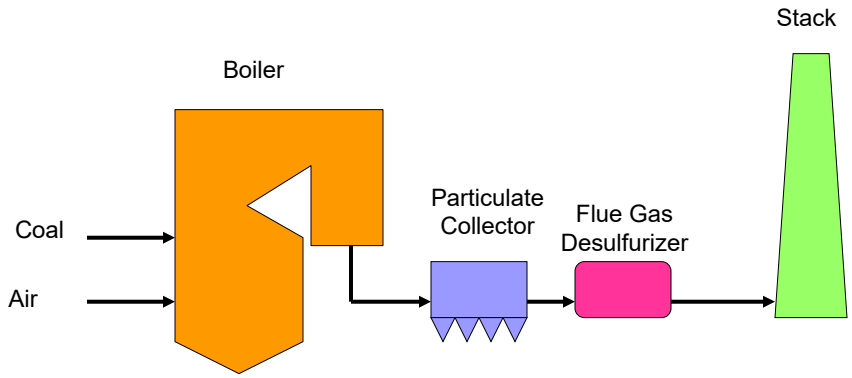

The inside of each boiler is bigger than the Church Office Building in Salt Lake City!
Each boiler burns approximately 1 million pounds of coal per hour!!!

8

# Coal Combustion

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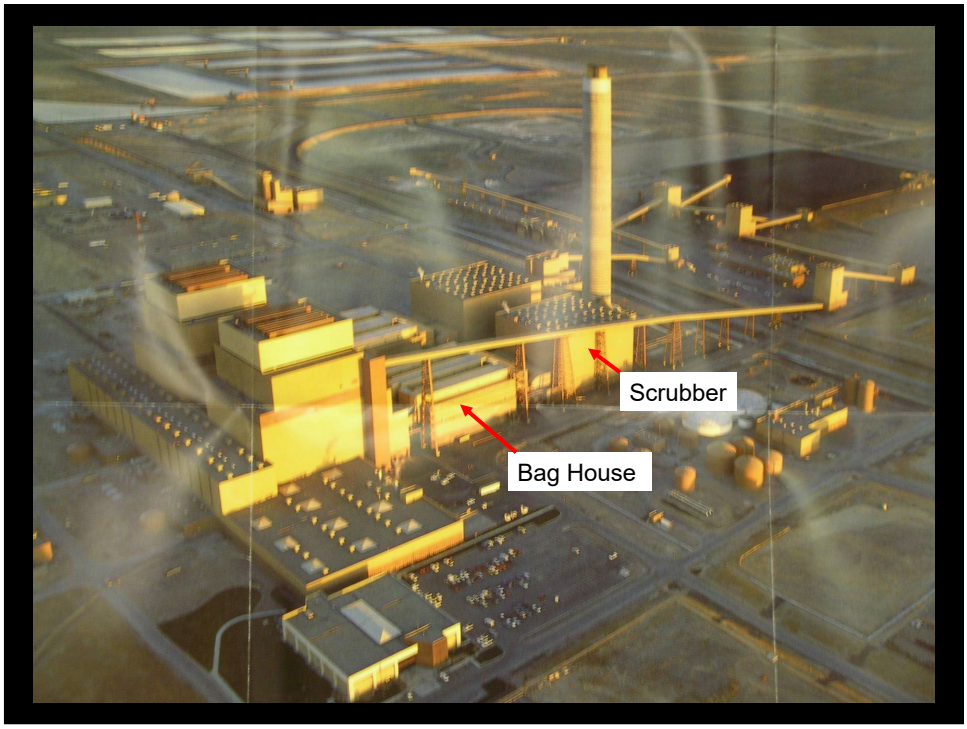


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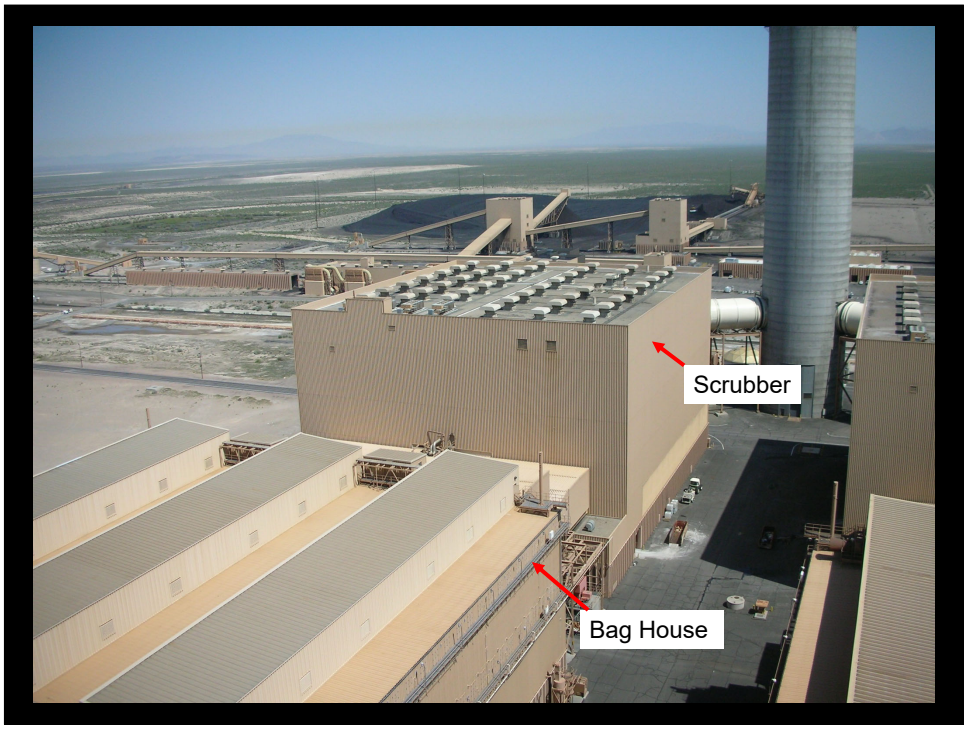


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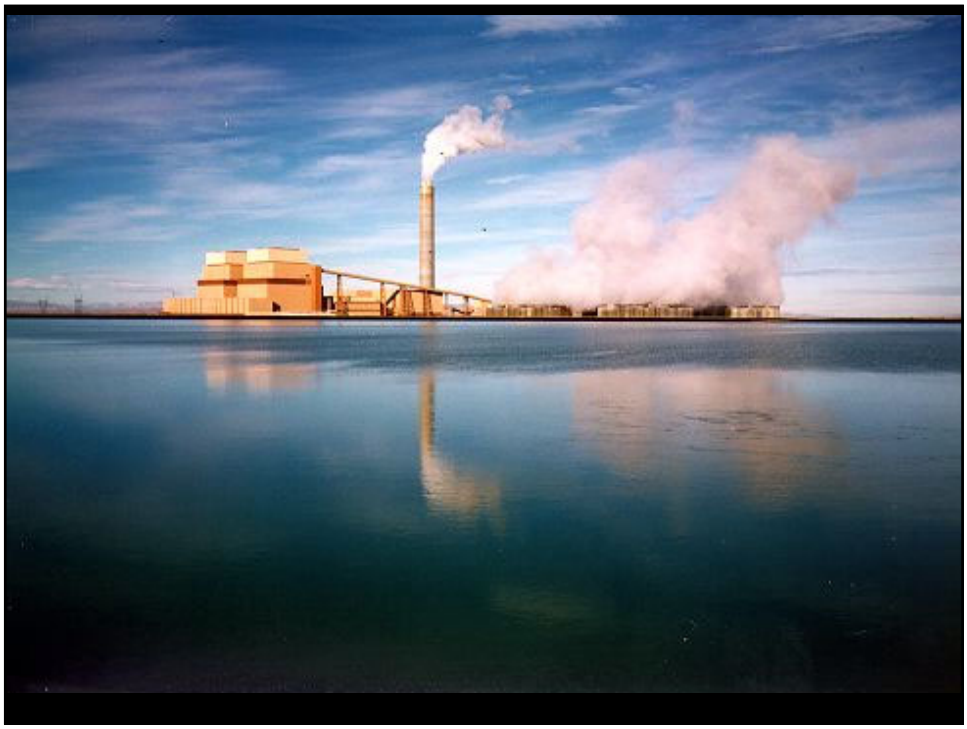

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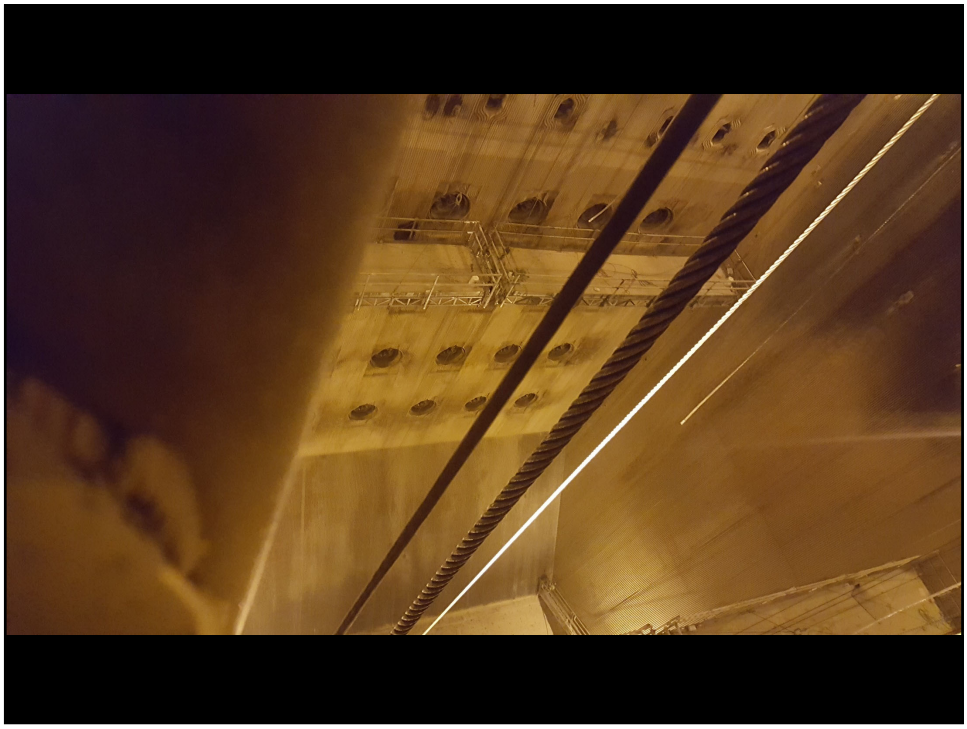

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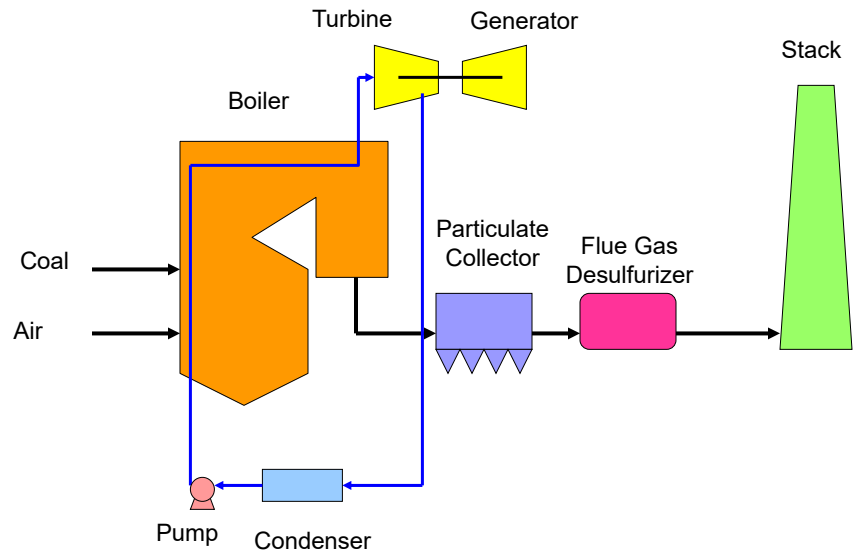
18

19

20

21

# Coal Combustion

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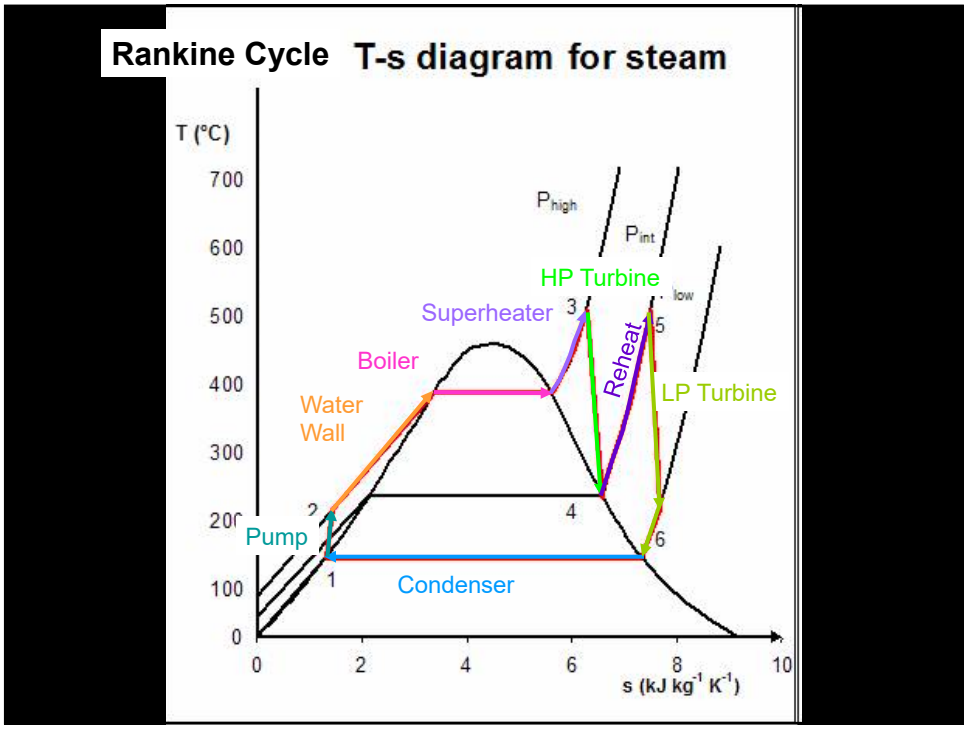
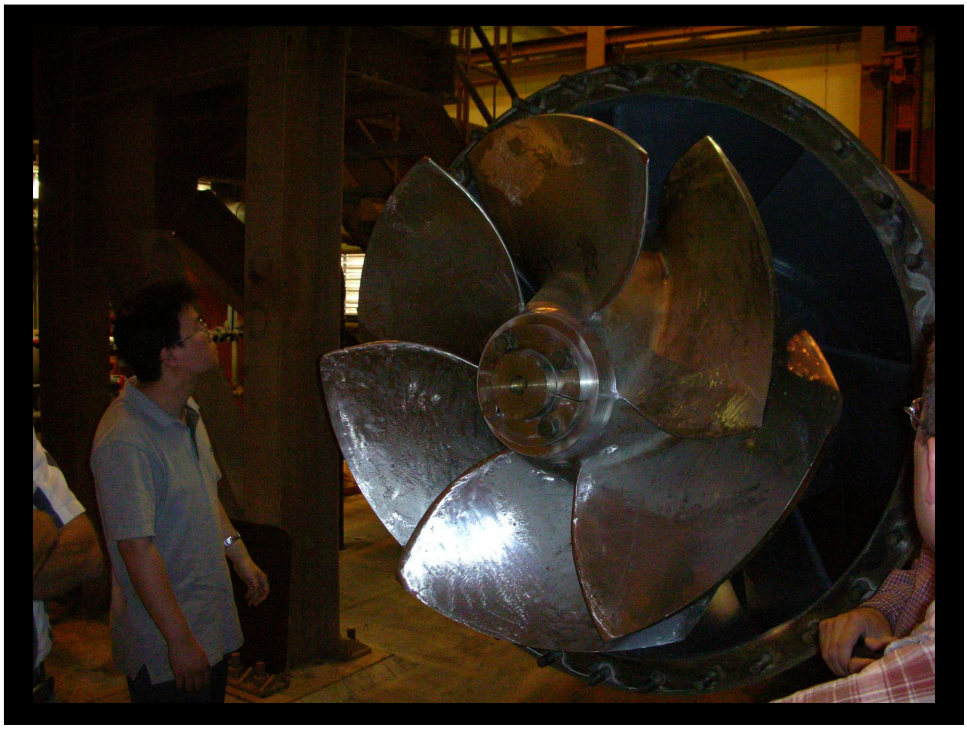

Rankine Cycle T-s diagram for steam
T (°C)
700
600
500
400
300
200
100
0
0
2
4
6
8
10
s (kJ kg-1 K-1)
Phigh
Pint
Plow
HP Turbine
Superheater
Boiler
Water Wall
Reheat
LP Turbine
Pump
Condenser
1
2
3
4
5
6

23

24

25

26



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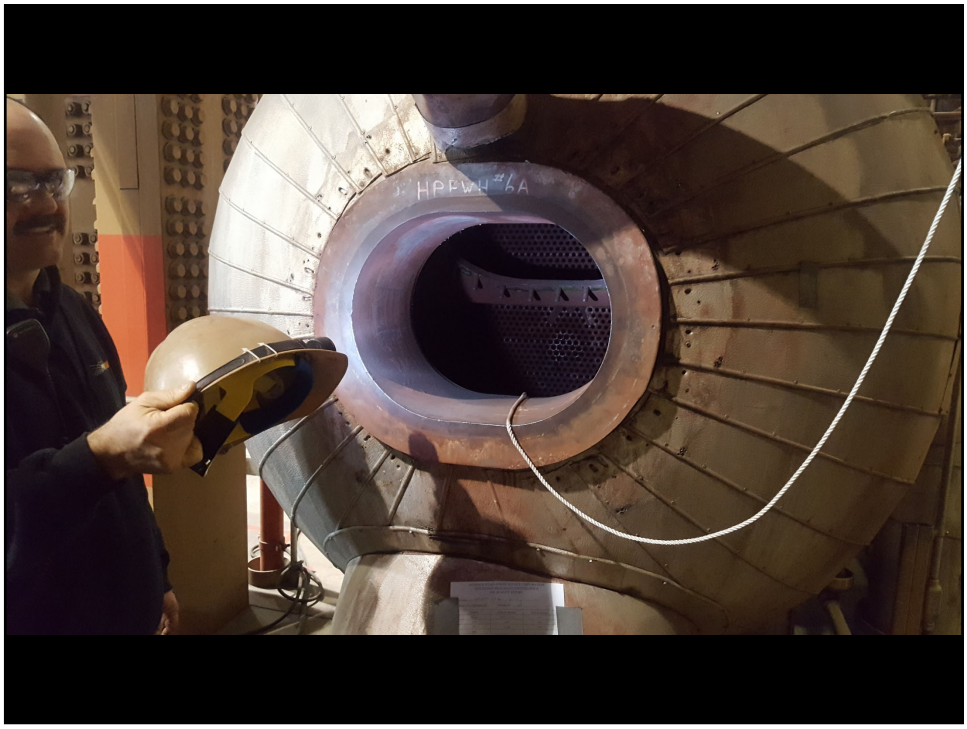

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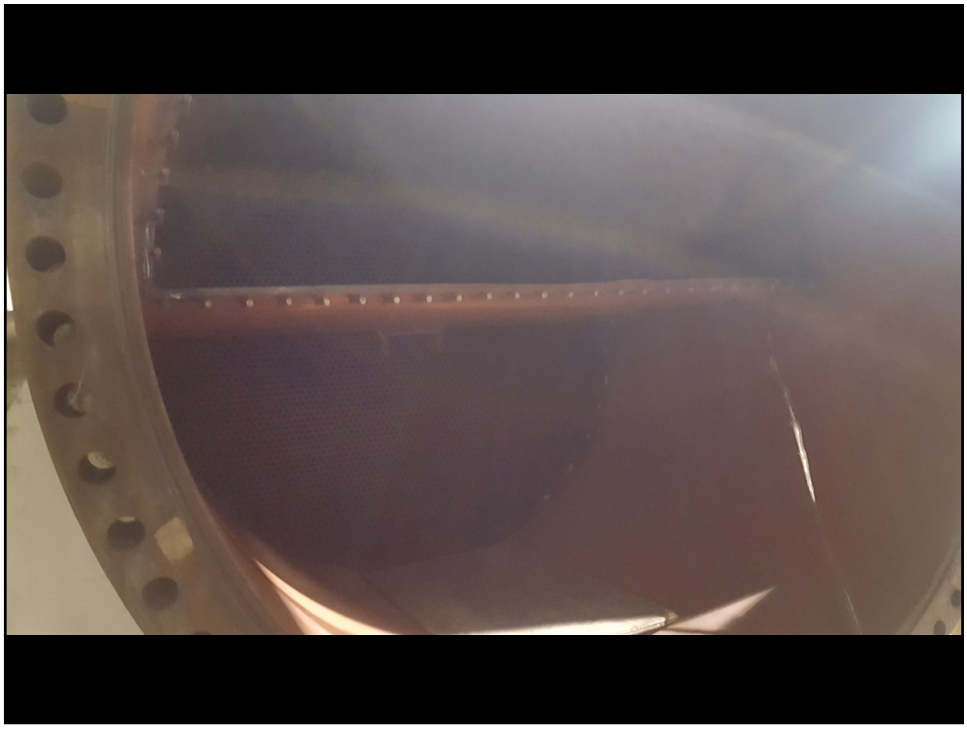

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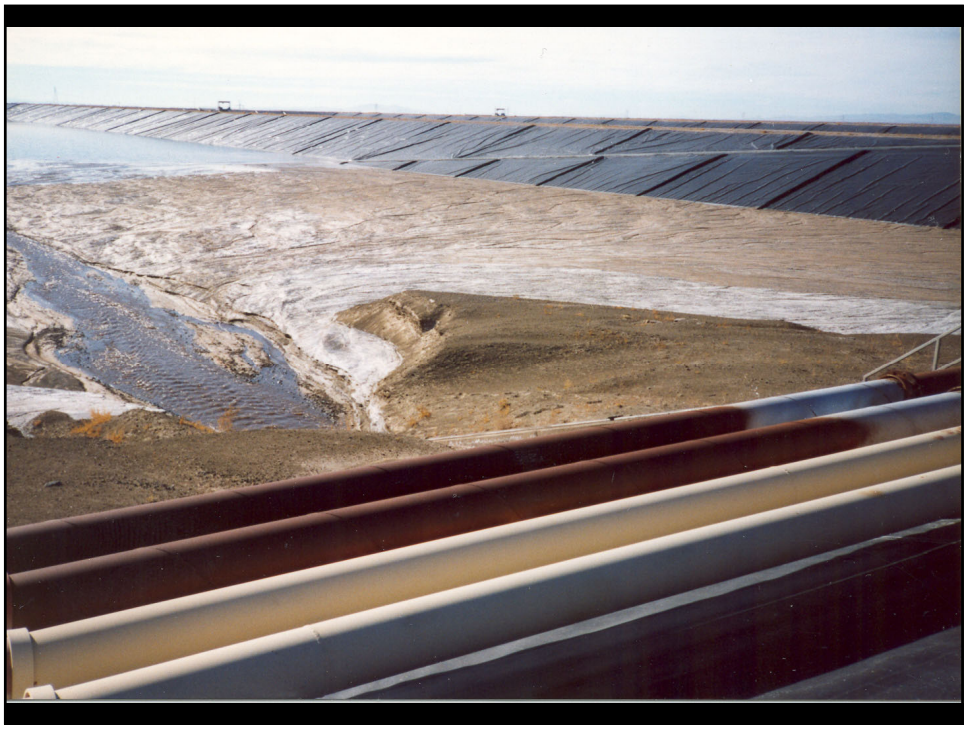

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