

US EPA ARCHIVE DOCUMENT

Tracy Desalinization and Green Energy Project

A Developer Driven
Public/Private venture

Tracy Desalinization and Green Energy Project

- Tracy WWTP discharges 9 million GPD to San Joaquin Delta
- Tracy WWTP effluent currently exceeds the Delta Salinity Standards
- Salinity of the WWTP discharge to the Delta must be reduced

Goals of Project

- Reduce the salt content of the WWTP effluent
- Project will couple bio-fuel production with desalinization
- Project will be sustainable over 20 years
- Project will be financially feasible

Project Statistics

- Process up to 1,200,000 GPD of WWTP Effluent
- 85% - 95% Recovery to distilled water
- Project will produce 32 million gallons per year of bio-fuel
- Project is electrically self powered as well as powering the WWTP
- Removes 1,000,000 Lbs salt per year

Project Statistics

- Carbon Capture system for bio-fuel process
- Ultra Clean Natural Gas Powered
- Bio-Fuel made from sugar beets, not corn
- Over 1 Million tons of beets processed per year

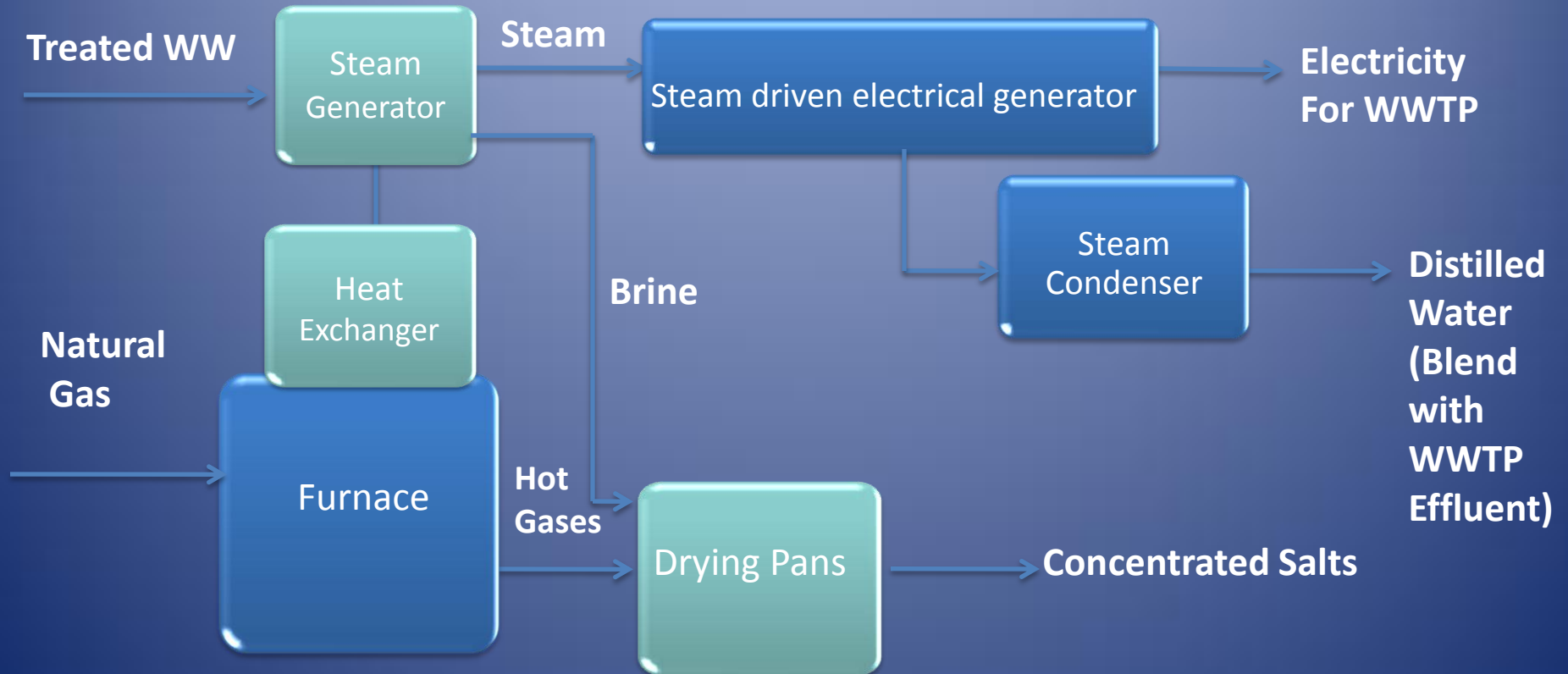
Tracy Desalinization and Green Energy Project



Core Team

- Victory Energy.....Steam systems
- Fagen Inc.....EPC, Construction
- Bibb Engineering.....Process Engineering
- Kennedy Jenks.....Civil Engineering
- Morningside.....Financial advisory
- Sutter Securities.....Debt and Equity
- CST.....Technology, Design
- Mansfield Oil.....Bio-fuel Marketing
- City of Tracy

System Process



Project Benefits

- Tracy WWTP in compliance with salinity standards
- Over \$70 Million per year to local farming
- Over 100 jobs created
- Reduced energy and desalinization cost to City of Tracy

Current State of Affairs

- Environmental Document Adopted by City
- Process design 90% complete
- General Arrangement 90% complete
- EPC price 90% complete
- 30,000 acres committed to sugar beets
- Financial Model 95% complete
- Off-take agreements near complete

NEXT STEPS

1. Complete set of construction documents
2. Complete EPC budget
3. Obtaining all construction permits
4. Finalize off take agreements
5. Finalize growers contracts
6. Finalize Project Finance
7. Initial deposits on equipment
8. Begin Construction