

NORTH FORK, CALIFORNIA

Size:
2 MWe

Project status:
In construction

Background:

With forestry wood waste an increasing problem in the state of California, this plant will improve both the environmental and economic outcomes in the local area, annually converting 17,550 metric tonnes of the biomass

into clean electric and thermal energy and into 1,600 metric tonnes of biochar per year, for use as a soil substrate in reforestation and agricultural plantations substrate.

More information

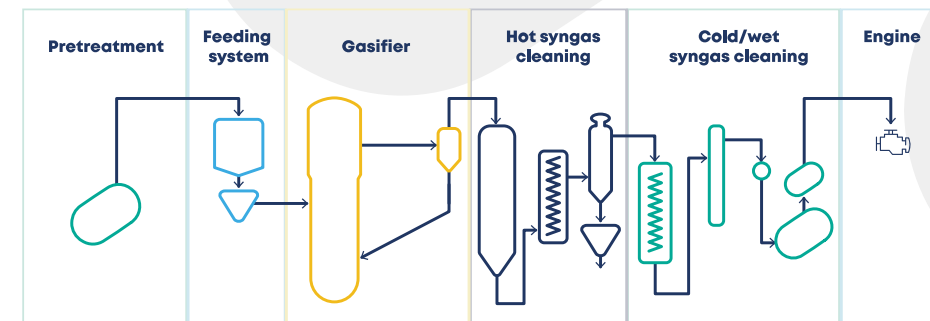
Our role: We are the technology provider for gasification technology and engineering and design services to North Fork Community Power and an equity shareholder in the project.

The plant is in construction, with the following progress:

- Financial close has been completed
- It is part of a pipeline of other projects being developed with US partner, Phoenix Biomass Energy
- Site update - February 2022: The gasification reactor and associated equipment have been installed inside the primary steel structures, most civil works completed and mechanical and electrical installation are set as next phases of work



Biomass-to-energy configuration



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Technical Specification

Location	North Fork, California
Size (MWe / MWth size)	2 MWe
Electrical efficiency	24.5 %
Total efficiency (electrical & thermal)	66 %
Feedstock	Forestry waste plant
Feedstock throughput	c.17,550 tonnes per annum
Engine	2x GE Jenbacher 612
Operating temperature range	750 – 780 °C
Commission / Due Date	tbc
Type (Commercial/R&D Pilot)	Commercial
Category (biomass-to-energy, biomass-to-bioenergy, RDF-to-energy)	Biomass-to-energy
Applications (Electricity, thermal, biochar, biofuels)	Electricity, heat, biochar
Size (MWe / MWth size)	2 MWe