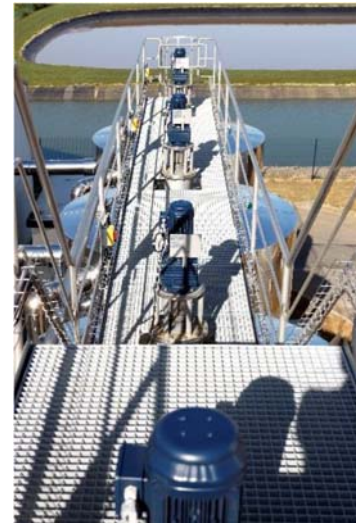


**CLIENT:** Junction City Biomethane  
**LOCATION:** Junction City, Oregon

Junction City Biomethane uses an anaerobic digestion process that converts dairy manure fiber, food waste and used cooking oil into biomethane that powers an internal combustion engine connected to a 1.6 MW generator. Evergreen provided structural, mechanical and electrical engineering to this project, including permitting support.

Evergreen developed construction plans, including the following:

- Site layout
- Structural foundations
- Equipment platforms and anchors
- Underground fire water system design
- Permitting support
- Tank platforms and staircase



**CLIENT:** Columbia Biogas  
**LOCATION:** Portland, Oregon

Columbia Biogas is a large-scale food waste-to-renewable natural gas facility being developed in Portland, Oregon. This food waste anaerobic digestion process with solids dewatering is unique, as it is among the first of this scale dedicated to food waste recycling.

Evergreen provided the following:

- Site layouts
- Equipment platforms and anchorage
- Permitting support
- Structural foundations and retaining walls
- All site buildings
- Complete electrical design
  - Power from utility through generator
  - Controls and monitoring
  - All utilities
- Mechanical/equipment layout
- Process piping and material handling
- Tank farm design
- Biogas treatment
  - Cleaning
  - Compression (CNG/RNG)
  - Natural gas delivery



Our engineering services also comprised project management, structural design, mechanical design specifications, permitting assistance, and all electrical design.



**EVERGREEN ENGINEERING**

Eugene, Oregon (541) 484-4771 • Atlanta, Georgia (404) 267-1471

[www.evergreenengineering.com](http://www.evergreenengineering.com)