



*“Renewable, Reliable Baseload Electricity
From Arizona Organic Waste”*

August 2010

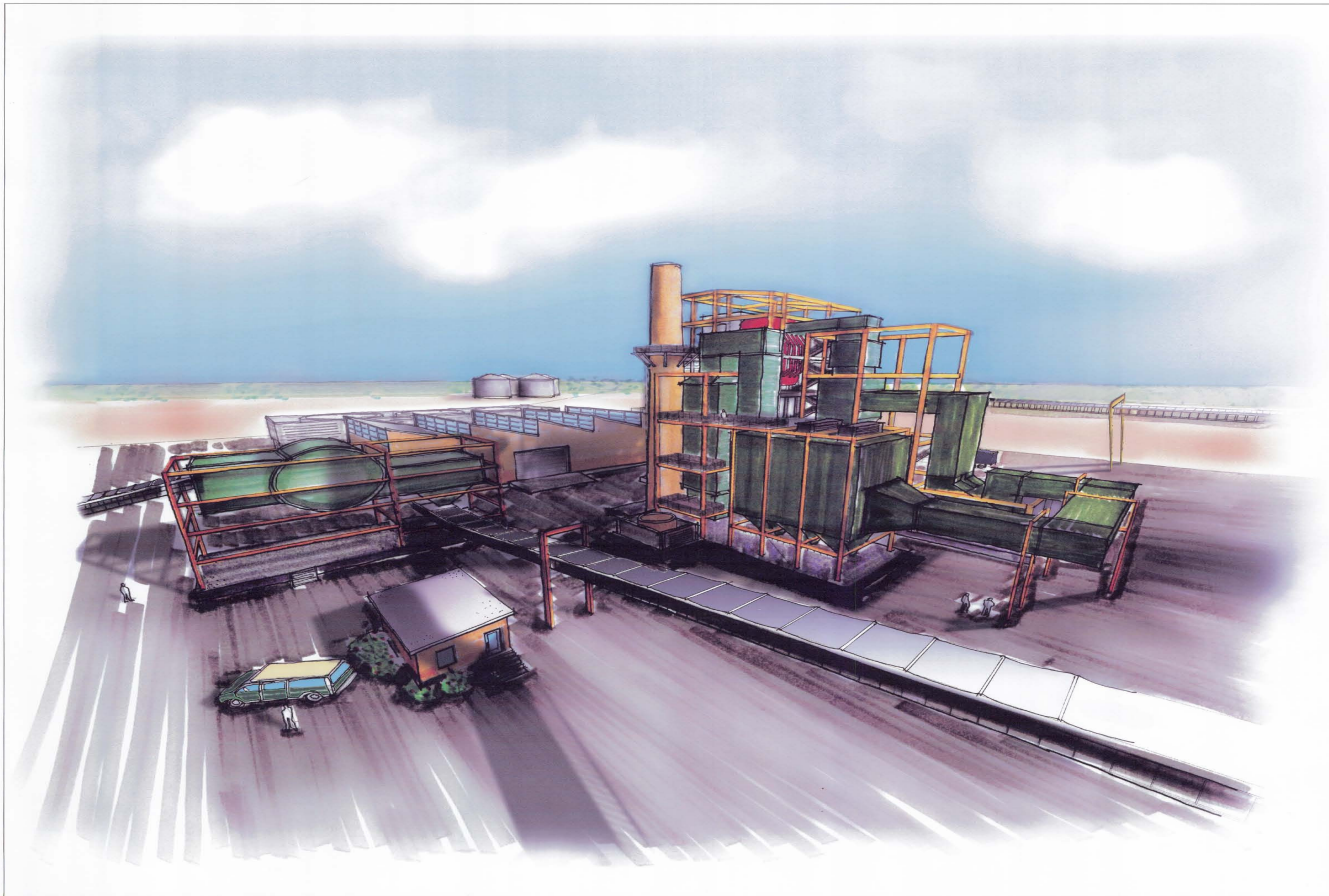
Project Overview

- **30MW** renewable, baseload electric generation facility – Biomass fueled
- **45-acre site** – 20 miles south of Phoenix – within Town of Maricopa, Pinal County
- **Primary Fuel Source:** landscape and agriculture waste currently delivered to metro Phoenix/Tucson landfills (grass, tree limbs, shrubs, orchard trimmings, etc)
- **Secondary Fuel Source:** high BTU farm crops, agriculture waste from surrounding Pinal County



Pinal Power Plant

38743 W Cowtown Road
Maricopa, AZ 85238



Perspective

Local Fuel Sources

Phoenix Green Landfill Waste



Arizona Bio-Crops Planted (Sorghum)
Tohono O'Odham Farms – Pinal County



Processing Green Waste at Landfill



Bio-Crop (Sorghum) ready for harvest

Biomass - Diversion

- Nearly 1,000,000 tons annually of usable green waste is landfilled in Phoenix and Tucson
- This Project will divert over 300,000 tons each year for renewable power generation starting in 2012

Fuel Specifications

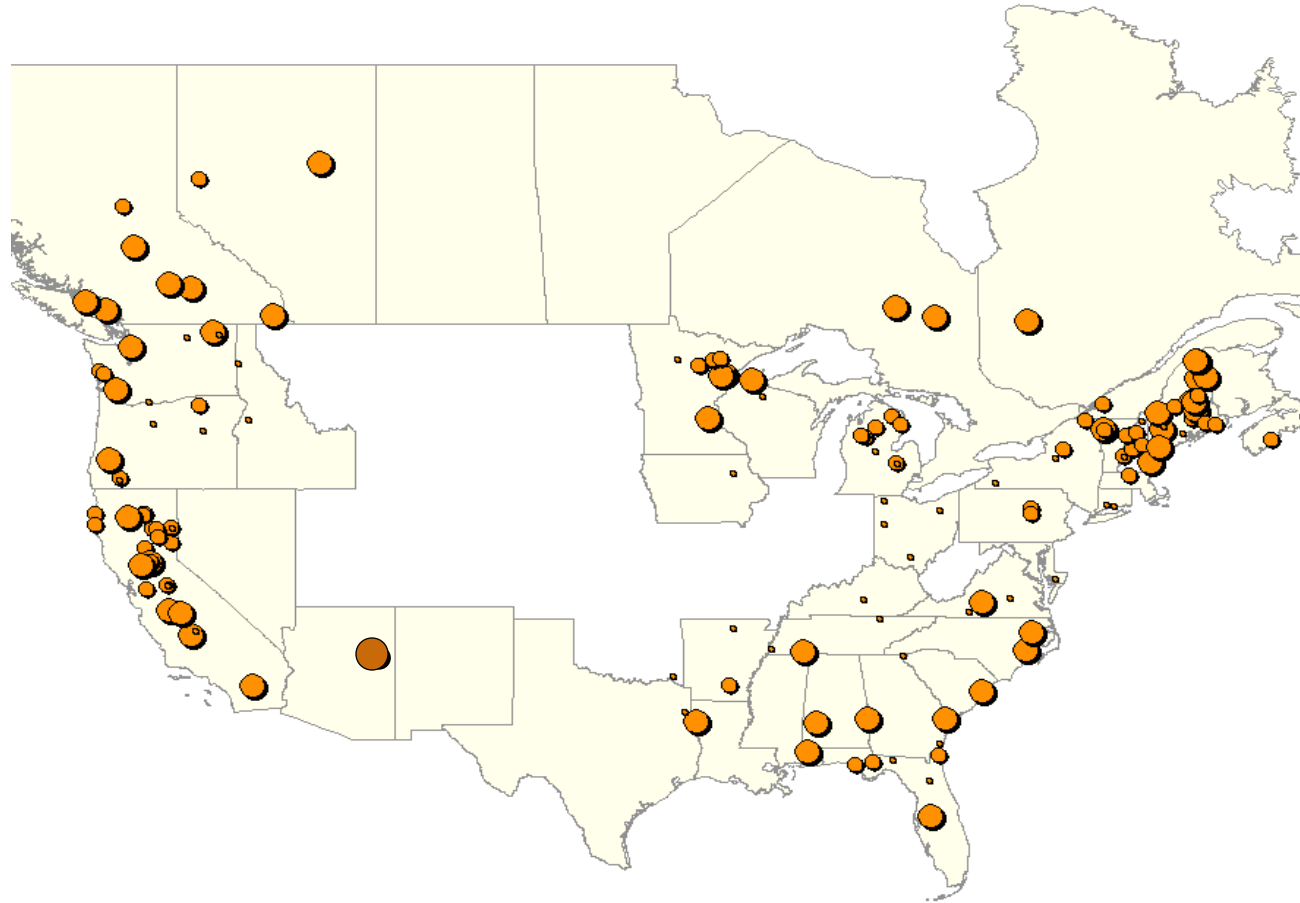
Average Heat Value
6800 BTU/lb (dry)

Targeted Size
½" to 3"

Screened is preferred to
reduce fines

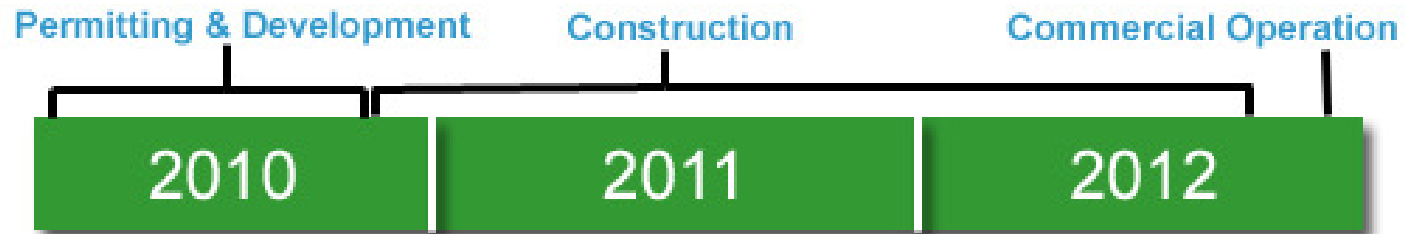
No treated wood, tires, or demolition debris

Biomass Power Facilities



- 208 Biomass power facilities* (primarily wood burning)
- Represents approximately 4GW of power
- *Excludes thermal, landfill gas, municipal solid waste facilities

Project Timeline



Pinal Power, LLC & Western Organics, Inc.

- Long –term, exclusive contract to deliver urban green waste to Pinal Power Project from Phoenix and Tucson landfills
- Material will be fully processed when delivered, boiler-ready
- Public green waste drop off sites in PHX and Tucson

THANK YOU