

## **Willamette Valley BioEnergy Production Facility Project Summary**

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### **EMPLOYMENT PROJECTIONS**

#### ***Construction Employment***

- Six project crews of approximately 12 persons each working full-time, approximately 60 people on site for nine months and 16 full time employees for off-site fabrication.
- A total of 76 construction jobs.

#### ***Long-Term Employment***

- At opening, the facility will employ 16 people full-time and expand to 45 full-time positions at full capacity with 40-90 full time off site jobs at full capacity

### **RENEWABLE ENERGY CONVERSION TECHNOLOGY SUMMARY**

#### **Anaerobic digester (Biogas Plant)**

- Projected power generation: 3 MW – 5MW
- Co products
  - Heat – used on site and sold to nearby businesses
  - Compost & Nitrogen Available for local agricultural use
- Grass Straw Use
  - Pilot phase 15,000 tons a year Full production 30,000 – 100,000 tons/year
- Food waste use
  - Pilot Phase 5,000 tons / year Full Production 15,000 tons/year

#### **Cellulosic Ethanol Facility**

- Potential production: 240,000 gallons/year
- Grass Straw use
  - Pilot Phase 4,000 tons/year Full Production 30,000 – 100,000 tons/year

#### **Biodiesel**

- Potential Size 2,000,000 gallons/year

#### **Wood Bricks**

- Potential Size 12,000 tons/year
- Grass Straw Use 2,000 tons/ year
- Wood Waste use 10,000 tons/year

### **PRELIMINARY COST PROJECTIONS: \$25,000,000**

#### **PROJECT ROLLOUT PLAN**

- January- November 2009 Complete Business Plan, Finalize Funding
- January- May 2010 Break Ground on BioEnergy Production Facility
- September -December 2010; Pilot Production Facility operational