



ce+p

california ethanol + power, llc



Presented to:

The California Energy Commission

Staff Workshop

April 27, 2009

**Alternative & Renewable Fuel and
Vehicle Technology Program
American Recovery & Reinvestment**

Act of 2009

Cost Share

Concept and Goals

- CE&P will produce sustainable energy in California from locally-grown sugarcane, the *right* renewable resource in the Imperial and Palo Verde Valleys.
- It will convert about 44,000 acres of farmland each year into:
 - 66 million gallons of low-carbon ethanol
 - 49.9 MW of renewable electricity from bagasse
 - 26.9 MW sold under a long-term PPA
 - 23 MW used by project
 - Valuable co-products:
 - Approx 880,000 mcf of biomethane
 - 320,000 tons of biomass
 - 16,000 tons of fertilizer

Overview

- Technology and Processes
- Agriculture
- Green House Gas Reduction
- Sustainability

Timeline for First Plant

| Major Task & Milestone Plan | Milestone Dates | |
|--|------------------------|------------|
| Task Description | Start | Completion |
| Seed Sugarcane Growing Program | 4Q 2007 | 4Q 2011 |
| Front-End Engineering | COMPLETED | |
| Negotiate Key Contracts | 4Q 2008 | 3Q 2009 |
| Detailed Design | 2Q 2009 | 3Q 2009 |
| Environmental Studies & Permitting Processes | 1Q 2009 | 1Q 2010 |
| Project Financing | 2Q 2009 | 1Q 2010 |
| Project Construction and Start-up | 1Q 2010 | 4Q 2011 |

Funding Opportunities

- CE&P Development Period Funding Needs
- AB118 Funding Opportunities
- CE&P Project Financing
- ARRA Funding Opportunities



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