

First Annual Forum

California Biomass Collaborative

8 January 2004

California Biomass Collaborative

- Survey of State Biomass Facilities for the California Biomass Facilities Reporting System
- *D. Randall Bates P.E., Bates Consulting*

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Goals of the

- *Biomass Facilities Reporting System*
 - Assessments of Technical, Economic, and Environmental Performance
 - biomass facilities of all types
 - Collaborative Testing and Monitoring
 - GIS/Web-based presentation of facility data

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- Criteria for selection of facilities to be surveyed
 - Facility to use biomass as a feedstock or fuel material
 - Facility uses the feedstock or fuel to generate electricity (can be for internal and/or external use)

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- Types of facilities surveyed are:
 - **Thermochemical**
 - direct combustion of biomass materials
 - **Biochemical**
 - Methane gas production and usage from
 - Sewage treatment digestion
 - Landfill gas recovery systems
 - Manure digestion
 - **Physicochemical**
 - Direct conversion of biomass materials to usable oils/fuels

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- Approximate number of facilities
 - Thermochemical
 - Biomass power plant generation - 31 facilities
 - Biochemical
 - Landfill gas power generation - 46 facilities
 - Sewage plant digester power generation - 12 facilities
 - Manure digester power generation – 4 facilities
 - Physicochemical

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- Survey contents
 - Section 1. Biomass Power Plant Location Information
 - Section 2. Contact Information
 - Section 3. Business Information
 - Section 4. Facility Operator Information
 - Section 5. Operating Information
 - Section 6: Technical Information
 - Part A: Biomass Conversion Technology
 - Part B: Environmental Information
 - Section 7: Materials Information - Fuel/Feedstock Type
 - Section 8: Economic Information
 - Section 9: Social Benefits

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- Progress report
 - Data of facility contact information has undergone a major updating effort
 - Facilities have received surveys
 - Follow-up phone calls / contact completed
 - Compilation of survey data has begun

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