



**California Energy Commission  
IEPR Committee Workshop**

**Combined Heat Power to Support California's AB 32 Climate Change  
Scoping Plan**

**July 23, 2009 – 9:00 a.m.**

**AGENDA**

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|--------------------|--|
| <b>9:00-9:10</b>   | <b>Introduction</b><br>Suzanne Korosec, IEPR Lead  |
| <b>9:10-9:25</b>   | <b>Opening Comments</b><br>Commissioner Jeff Byron, Presiding Member<br>Vice Chair Jim Boyd, Associate Member  |
| <b>9:25-9:35</b>   | <b>Workshop Goals</b><br>Linda Kelly, California Energy Commission   |
| <b>9:35-10:35</b>  | <b>Technical and Market Potential for New CHP in California</b> <ul style="list-style-type: none"><li>• Existing California CHP [MW, number, distribution by size]</li><li>• CHP Market Potential Analysis under Alternative Scenarios</li><li>• Efficiency and Air Emissions of CHP</li></ul> Bruce Hedman and Ken Darrow, ICF, International |
| <b>10:35-11:00</b> | <b>Modeling and Forecasting CHP in Commercial Buildings - Balancing Cost, Energy and CO2 Emissions Minimization Strategies</b><br>Michael Stadler, Tim Lipman, Lawrence Berkeley National Laboratory   |
| <b>11:00-11:15</b> | <b>Large Industrial CHP</b><br>Evelyn Kahl, Western States Petroleum Association   |
| <b>11:15-11:35</b> | <b>CHP Legislation (AB 1613) - Update on Status of Rulemakings and Schedules</b><br>Art Soinski, California Energy Commission<br>Michael Colvin, California Public Utilities Commission  |

**DOCKET**

**09-IEP-IH**

DATE July 23 2009

RECD. July 27 2009

<b>11:35-12:00</b>	<b>Public Comments on Morning Session</b>
<b>12:00-1:15</b>	<b>Lunch</b>
<b>1:15-2:00</b>	<b>CHP to Reduce Greenhouse Gas Emissions - Options and Opportunities for Developing New Facilities in California</b> <b>Publicly Owned Utilities/Cooperatives</b> Mark Rawson, Sacramento Municipal Utility District Bob Marshall, Plumas Sierra Rural Electric Cooperative <b>3<sup>rd</sup> Party Development Opportunities for CHP</b> Rod Schwass, Burns & McDonnell
<b>2:00-2:15</b>	<b>CHP Solutions to Climate Change</b> David Schnaars, Environmental Strategies, Solar Turbines
<b>2:15-3:00</b>	<b>Wastewater Treatment Facilities - Renewable CHP Opportunities and Barriers</b> Pramod Kulkarni, California Energy Commission Mark McDannel, Los Angeles County Sanitation District Kathleen Ave, Sacramento Municipal Utility District
<b>3:00-4:15</b>	<b>CHP Technical and Market Challenges – Manufacturer’s Prospective</b> Moderator: Avtar Bining, California Energy Commission Panelists: Eric Wong, Cummins Jeff Cox, Fuel Cell Energy (Molten Carbonate Fuel Cells) Steve Gillette, Capstone Robert Byron, UTC (Phosphoric Acid Fuel Cells) David Schnaars, Solar Turbines <b>CHP Customers</b> Cheri Chastain, Sierra Nevada Brewery Gordon R. Watson, Hitachi Global Storage Technologies, Inc.
<b>4:15-4:45</b>	<b>Public Comments</b>
<b>4:45-5:00</b>	<b>Closing Remarks from Commissioners</b>
<b>5:00</b>	<b>Adjourn</b>