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# Solar Hydrogen Workshop:

## Review of Meeting Agenda and Session Process

Jonathan W. Hurwitch
Senior Vice President
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# Meeting Structure

- **Objective:** To convene a panel of experts and determine the principal pathways that offer the greatest technical and economic feasibility to produce energy quantities of hydrogen from solar energy, and determine the key research and development areas that need focus to make this a reality.
  - Technology Systems Status and Opportunity Session
    - Solar Technologies
    - Hydrogen Production Technologies
  - Breakout Discussion Sessions
    - Residential Market
    - Distributed Generation Market
    - Commercial/Large Scale Market
  - Reporting and Integration of Findings
    - Review Critical R&D Pathways
    - Priorities

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# Meeting Agenda

**Day One - Morning**

**Welcome and Opening Remarks**

**Solar Technology Status and Opportunities**

**Hydrogen Production Status, Opportunities and Analysis**

**Day One - Afternoon**

**Solar Hydrogen Small Group Discussions**

**Facilitated Discussion and Analysis**

**Day One Adjourn** **5:00PM**

**Group Dinner Ram's Head Tavern at Savage Mill** **6:00 PM**

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# Meeting Agenda

**Day Two - Morning**

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|---|---|
| **Continental Breakfast** | **7:30AM** |
| **Small Group Discussions (Continued)** | |
| **Summary Reports from Small Group Chair(s)** | |
| **Integrated Discussion: Workshop Results** | |
| **Final Thoughts and Comments** | |
| **Meeting Adjourn** | **1:00PM** |

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# Breakout Topic Questions

1. What are the most likely solar pathways can achieve technical feasibility in both the mid-(10-15 years) and long-term (20-30 years)?
   a) Photovoltaics-electrolysis
   b) High-temperature electrolysis
   c) Direct photoelectrochemical
   d) Others?
2. What key research and development breakthroughs on which technologies will be necessary to achieve technical feasibility?
3. Which of the technically feasible pathways show the most promising economics?
4. What type of commercialization (technology transfer) strategy can help accelerate this solar-hydrogen pathway to market?

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# Breakout Process

1. Identification of Potential Solar Hydrogen Systems
2. Define key technologies for given markets/applications
3. Technological Barriers and Challenges
4. Identification of Critical R&D Pathways
   a) Consensus priority activities
   b) Roles and responsibilities
   c) Resources required