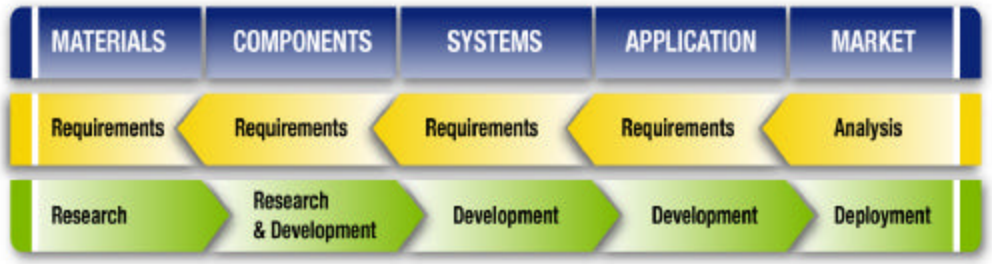
Solar Energy Technologies Program: Solar Hydrogen Workshop



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Strategic Overview

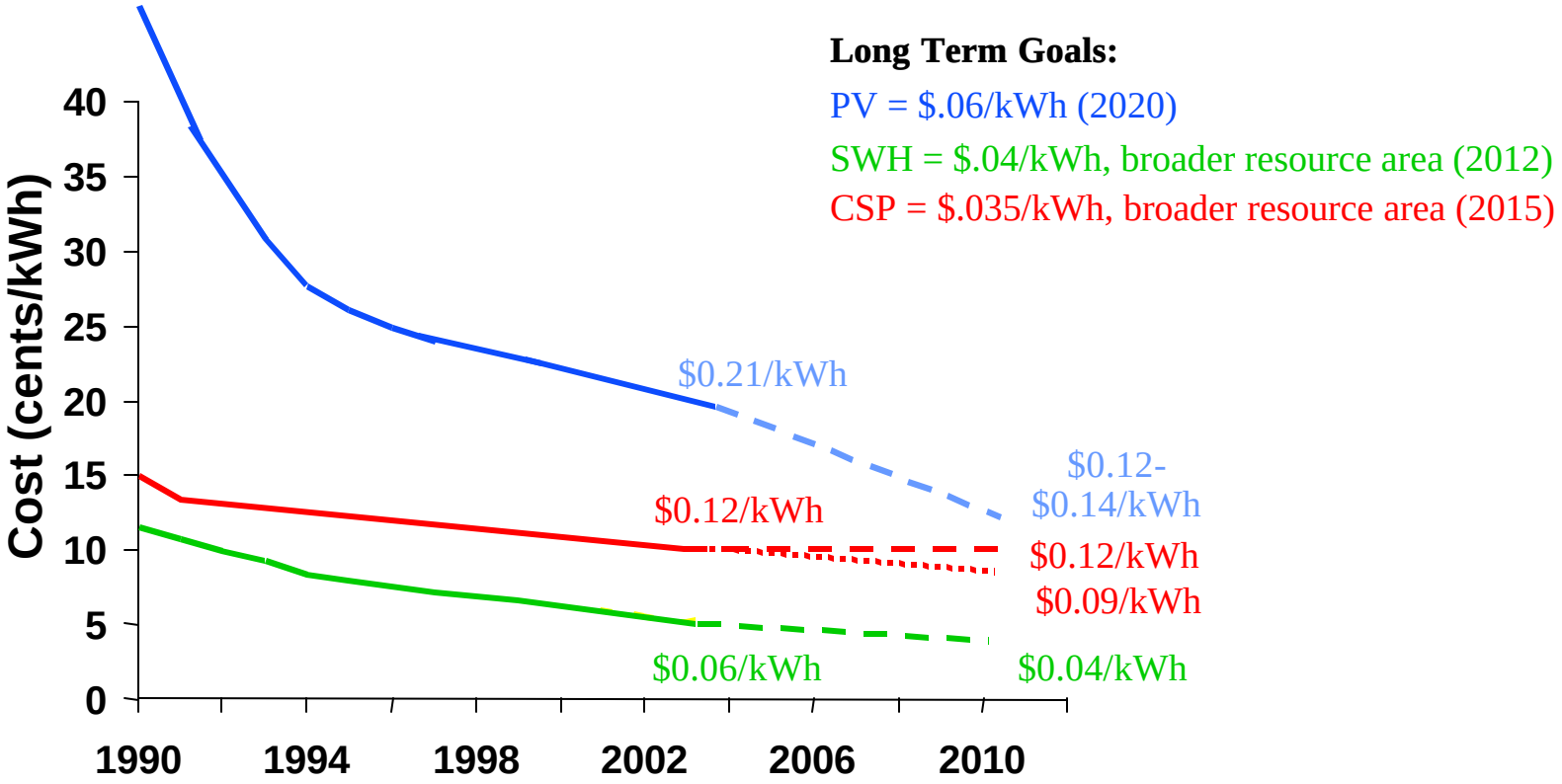
Mission

Improve America's security,environmental quality, and economic prosperity through public-private partnerships that bring reliable and affordable solar energy technologies to the marketplace.

Vision

In the future, millions of homes and commercial buildings across the nation will use solar technology to provide all or much of their energy needs.

Solar Technologies Cost Trends



*With **improved technology supported by DOE** , the cost of solar energy in the United States has steadily **declined**.*

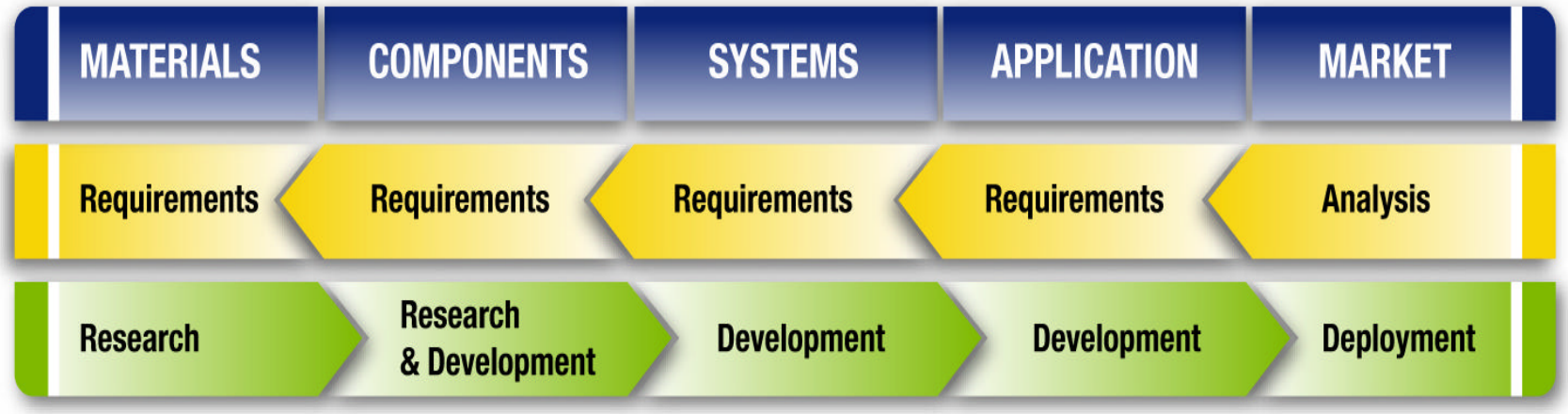
Systems Driven Approach

Goal

- Develop the capability to evaluate the interaction between R&D, applications, and markets to guide program investment

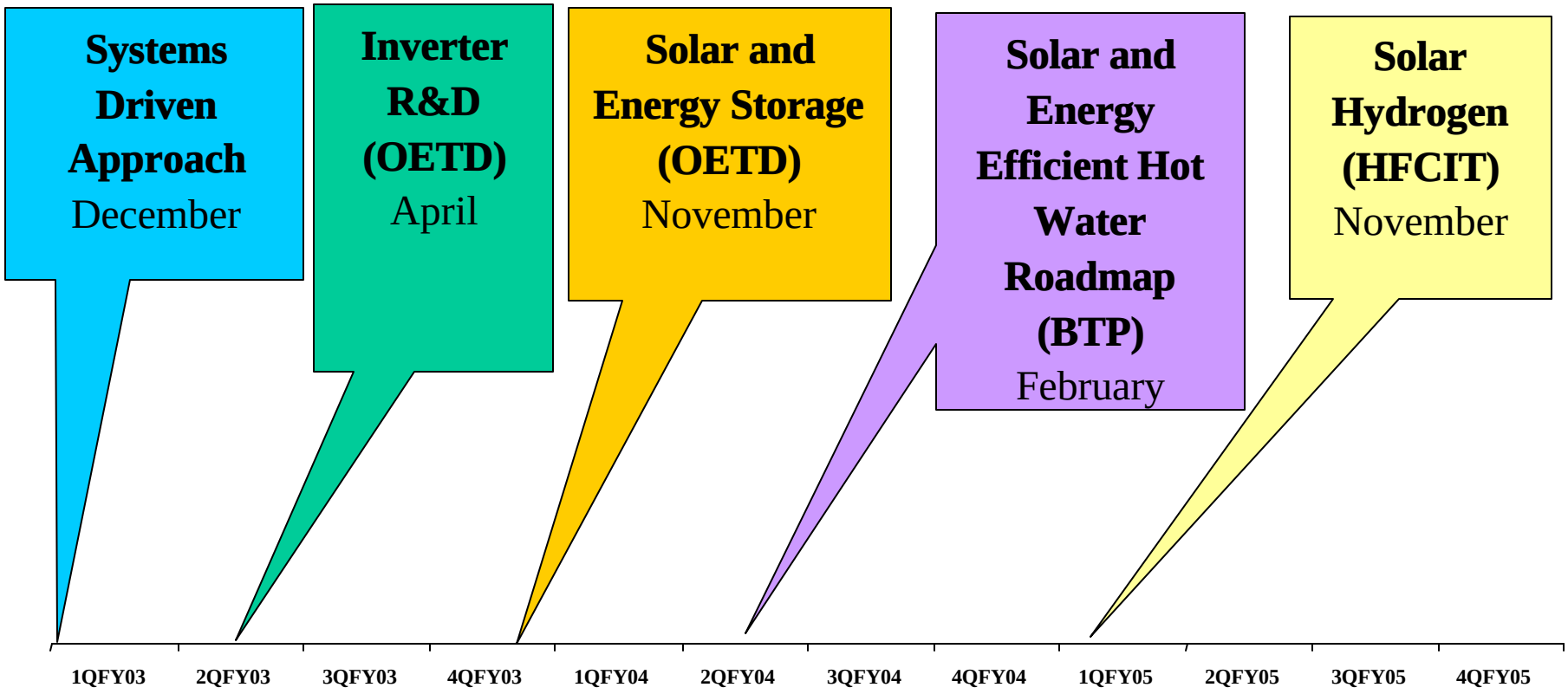
Approach

- Develop an interactive sensitivity model to evaluate R&D vs. LEC
- Collect field data on performance and cost for input and validation
- Analyze markets to establish targets

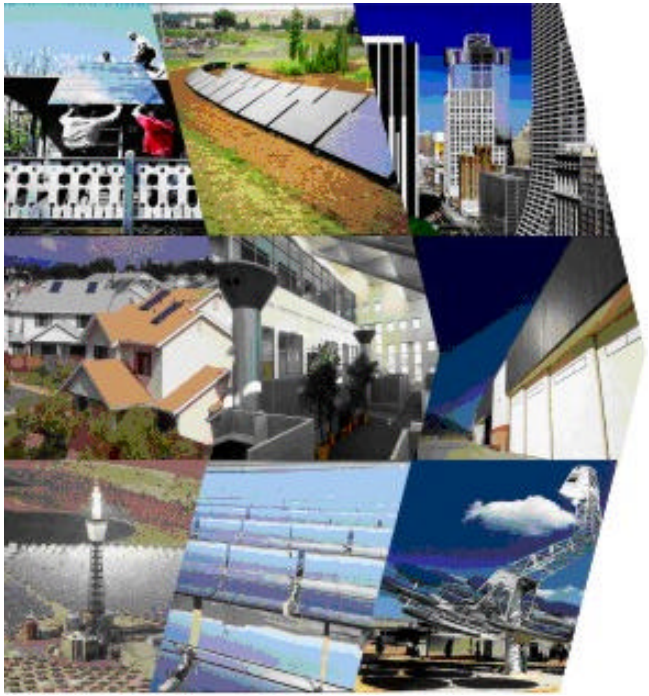


SDA Workshops

A series of workshops are being used to develop the SDA concept and obtain stakeholder input, including:



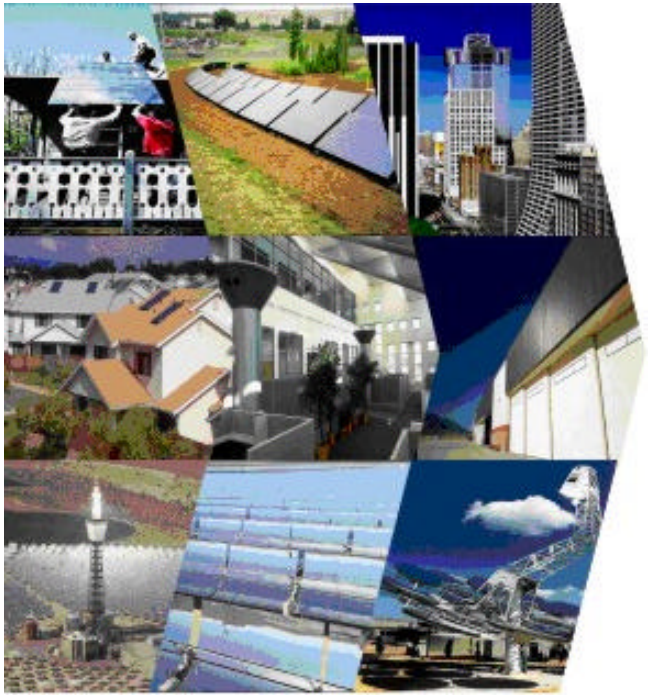
Solar Hydrogen



Why do a Solar Hydrogen Workshop?

- As the country moves toward a hydrogen energy future, methods are being sought for cleanly producing this fuel through renewable energy.
- Several solar technologies could provide cost-effective methods for accomplishing this including solar-thermal and direct-conversion technologies.

Solar Hydrogen



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.