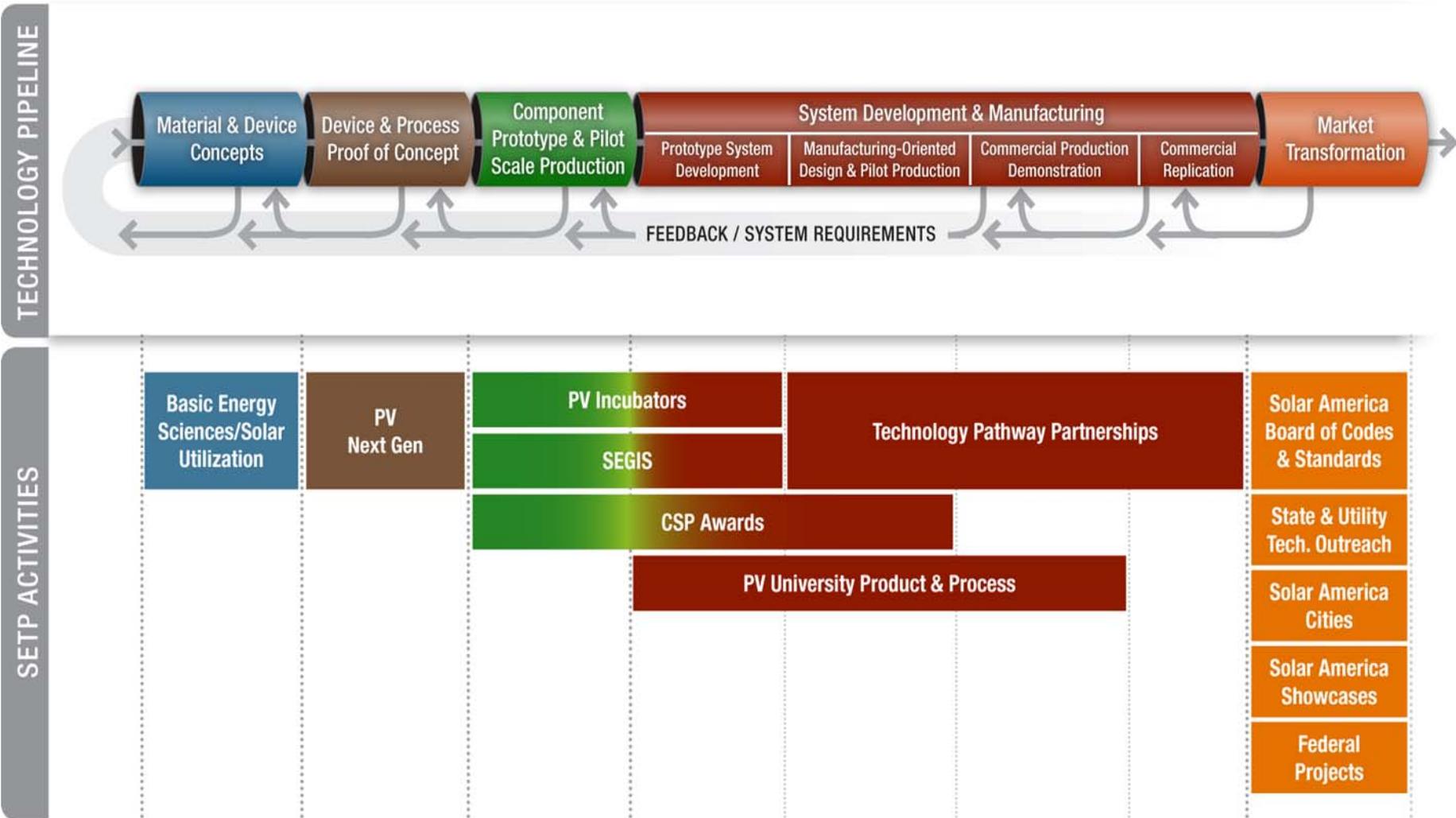

2008 Solar Program Review

Closing Session: DOE / Lab / Industry Future Plans

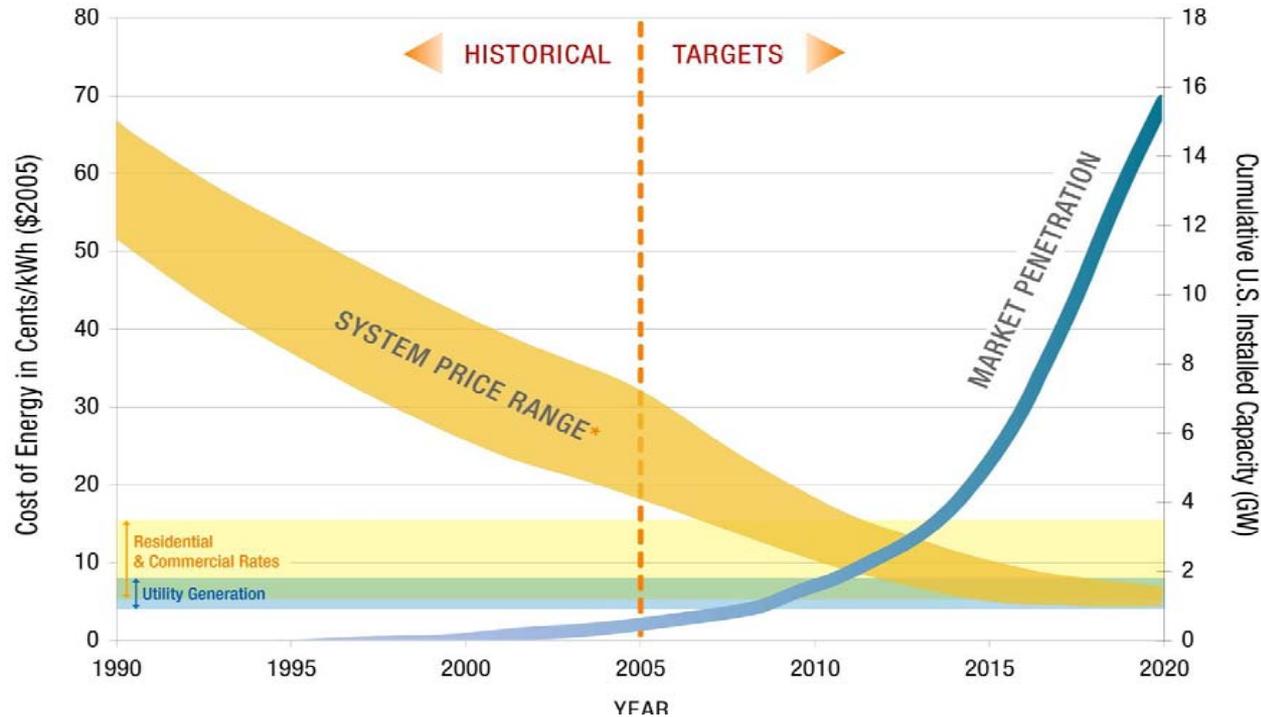


Dan Ton
Solar Energy Technologies Program
April 24, 2008

DOE is focusing activities along the whole pipeline



SAI's projects support accelerated market penetration and reduced system price of photovoltaics



Market Sector	Current U.S. Market Price Range (¢/kWh)	Cost (¢/kWh) Benchmark 2005	Cost (¢/kWh) Target 2010	Cost (¢/kWh) Target 2015
Residential	5.8-16.7	23-32	13-18	8-10
Commercial	5.4-15.0	16-22	9-12	6-8
Utility	4.0-7.6	13-22	10-15	5-7

Achieve cost-competitiveness with grid electricity across all market sectors by 2015

Looking Forward Challenges



Show significant progress from now to January 2009 peer review:

- Meeting milestones
- Be able to articulate how your work fits into the R&D pipeline and contributes to meeting SAI goals
- Improve performance, reliability, and cost for the consumers
- The “End-of-Line” is the customer’s premises

Potential for Significant New Opportunities



- Grid Integration
 - Improving customer value and grid reliability
 - SEGIS and Smart Grid Technology
 - Addressing Climate Change and energy security
- Energy Storage
 - Major initiative underway
 - For PV and CSP
- Expansion of CSP Initiative
- Welcome Inputs from you.

Expanding Partnerships / Stakeholder Engagement



City of Pittsburgh



Smithsonian Institution



Massachusetts Institute of Technology



BLUE SQUARE ENERGY



CH2MHILL



SUNPOWER



CITY OF NEW ORLEANS



SOLARIA



THANK YOU!

For More Information:

DOE Solar America Initiative: http://www.eere.energy.gov/solar/solar_america/

SNL PV Systems R&D: www.sandia.gov/pv

NREL Solar Research: www.nrel.gov/solar

DOE/NREL PV Value Clearinghouse: www.nrel.gov/analysis/pvclearinghouse/

Sign up for our Newsletter and Market Analysis: Send email to solar@ee.doe.gov

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