



U.S. DEPARTMENT OF  
**ENERGY**

Energy Efficiency &  
Renewable Energy



Solar Energy Technologies Program

# Annual Program Review

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**John Lushetsky**

Program Manager

Solar Energy Technologies Program

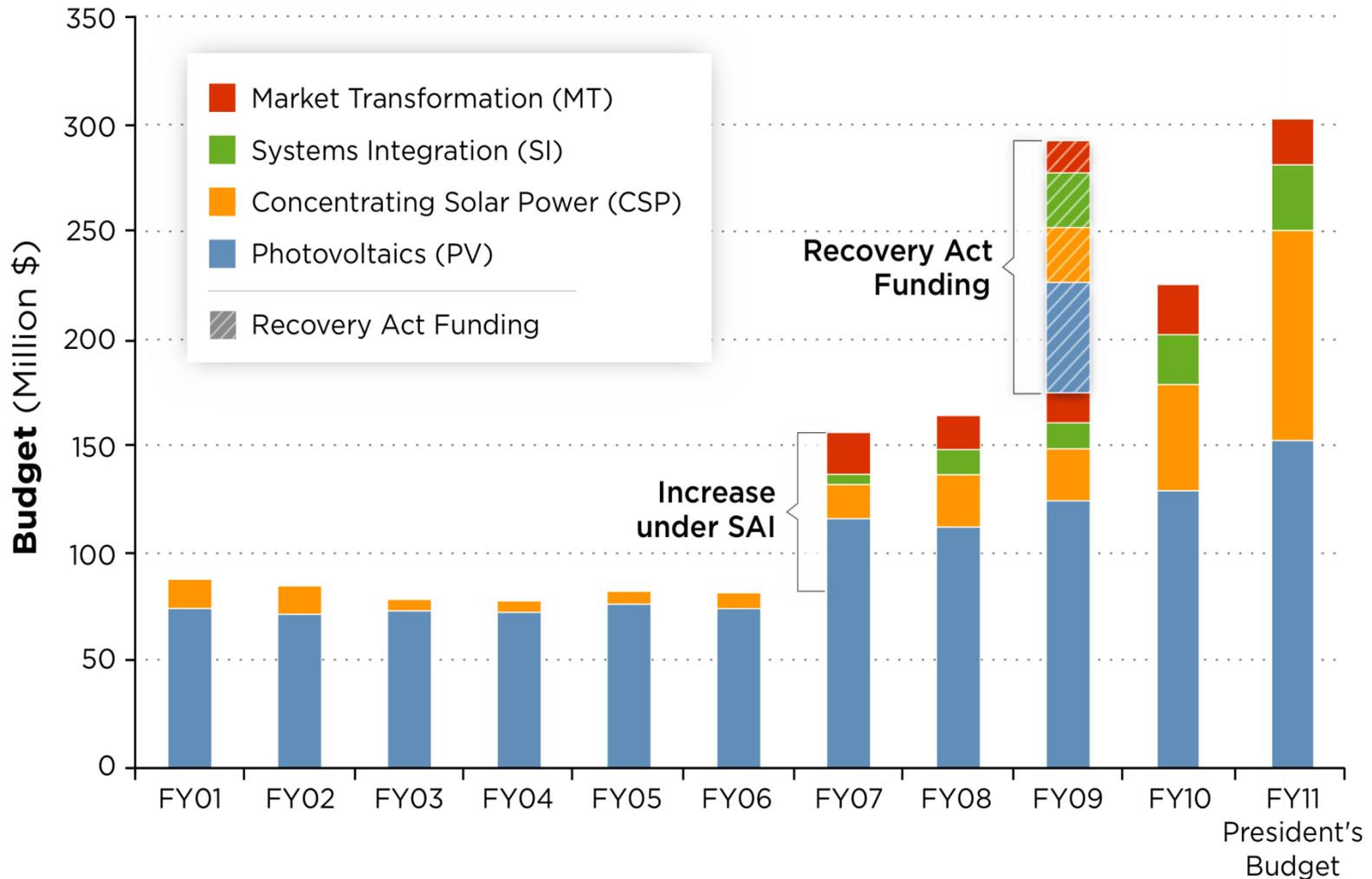
U.S. Department of Energy

# DOE Solar Program's sub-elements



# SETP Budget – 10 Year History

## U.S. DOE Solar Energy Technologies Budget, FY2001-2011



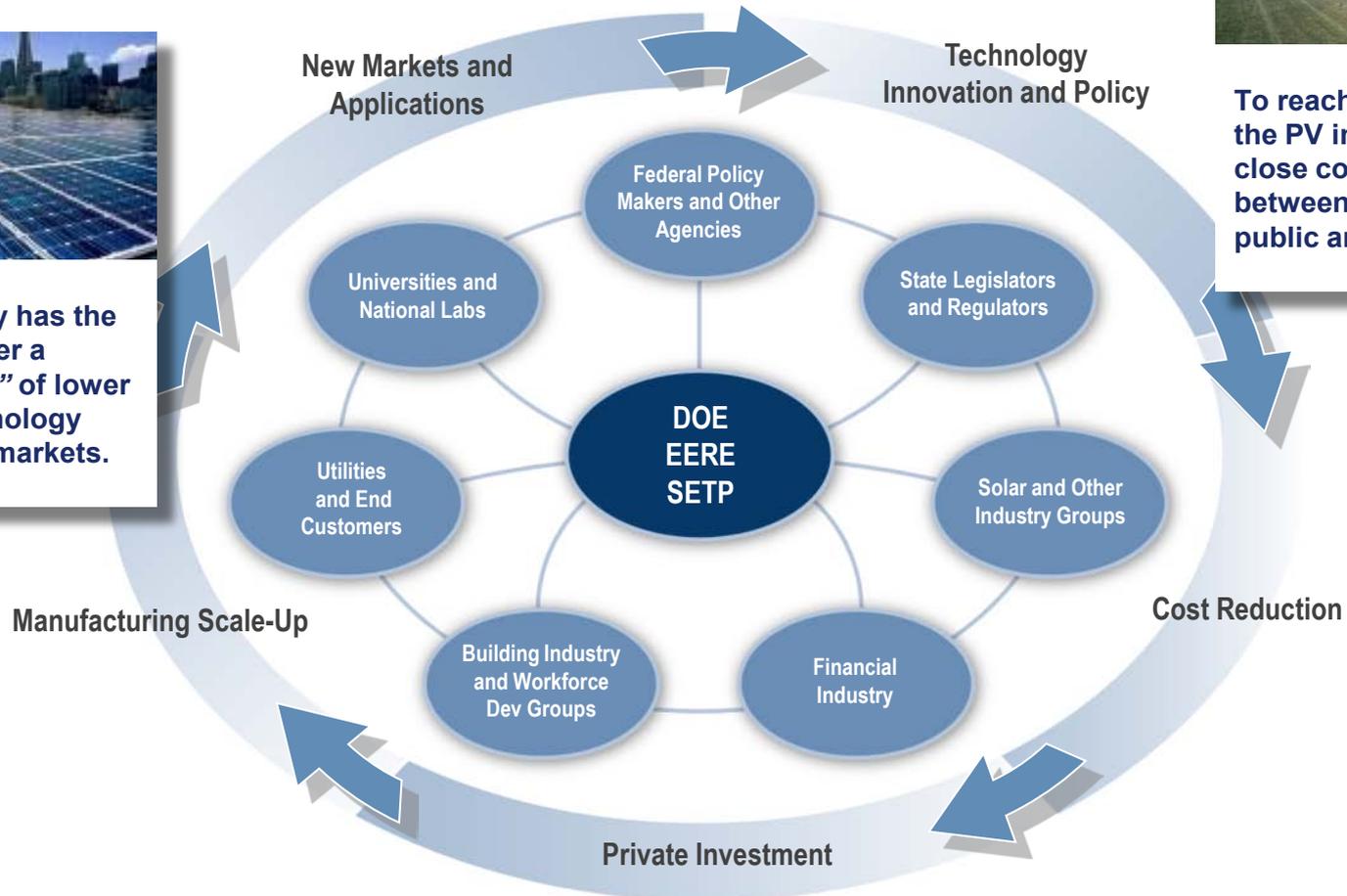
# SETP works with a number of stakeholders to grow and accelerate the U.S. solar industry



The PV industry has the potential to enter a “virtuous cycle” of lower cost, new technology and expanded markets.



To reach it’s full potential, the PV industry requires close coordination between a number of public and private entities.



# Key Accomplishments for 2010

- Administered \$117M in Recovery Funding across all four sub-programs
  - New programs in Supply Chain, Pre-Incubator, Workforce Development, High Penetration
- Initiated Solar Vision Study to assess path to reaching 10-20% penetration of solar technologies by 2030
- Increased capability for modeling and analysis of system and module costs
- Announced PV Manufacturing Initiative to fund public/private partnerships that can strengthen U.S. based manufacturing
- Announced 13 Baseload awards for technologies that can reach long-term CSP grid parity goals
- Announced new Solar America Cities Technical Outreach awards to leverage learnings and resources from 25 Solar America Cities
- Strengthened team with key additions in PV, CSP, Systems Integration, and Market Transformation

# Looking Ahead

- Continued support to strengthen U.S. domestic solar industry and manufacturing
- Increase in early-stage, breakthrough research and research to increase understanding of newly commercialized technologies.
- Emphasis on development and demonstration of towers and other advanced CSP systems with thermal storage through Solar Development Zone.
- Increased understanding of grid effects resulting from high penetration of PV and CSP systems.
- Emphasis on reduction of balance-of-systems costs through new cell/module design and innovative approaches to installation.
- Development of Market Transformation activities with clear metrics and linkages to market development and system cost reduction.
- Address other issues pertaining to large scale deployment of solar technologies including financing, permitting, and transmission.

# Thank You



**John Lushetsky**  
**Program Manager**  
**Solar Energy**  
**Technologies Program**  
**U.S. Department of Energy**

[john.lushetsky@ee.doe.gov](mailto:john.lushetsky@ee.doe.gov)

**202-287-1685**

[www.solar.energy.gov](http://www.solar.energy.gov)