



CSP
Subprogram
New Directions

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What We Heard:

Market Transformation Activities

- Land
 - Streamlined Citing & Permitting
 - WGA, BLM, CEC, USF&W, DOD
- Transmission
 - Speed up process
 - Texas example (ERCOT)
 - RETI, WECC
 - DC line to get power to the East
 - Existing and/or new corridors
- Stakeholder Education
 - Policy Makers
 - Environmental Groups
 - PUC's, FERC

What We Heard:

Workforce Development

- Education, Student Hiring, New Blood
- Supply Chain Identification
 - Key Suppliers
 - Receivers, Collectors, Mirrors, Materials, Coatings, Fluids
 - Address Pinch Points
 - Manufacturers
 - Project Developers
 - Big companies to deal with Big utilities

What We Heard:

Lab Support

- Near-Term
 - Test, Evaluation & Design Assistance
 - Heliostats, salt pumps, salt technology, valve packing, seals, mirrors, reflector films, non-salt options
 - Upgrade Facilities to support industry efforts
 - Resource Assessment, Modeling Tools
 - Lab/Industry collaborations
 - Help industry be successful (failure costly!)
 - Honest broker, straight feedback to industry
- Long-Term
 - Next Generation systems & components
 - Heliostats, advanced drives, high temp materials, advanced storage concepts, low-cost mirrors, electric storage

What We Heard:

General DOE Suggestions

- Industry Technology Roadmaps - Update
- Don't oversell price or performance
 - DOE and Industry
- Don't "need" to go to baseload
- Provide separate path for distributed CSP
 - No ITC extension issue
 - Broader political base
- Be fast and flexible
 - 15-month contract period is unacceptable
 - Think outside the box to streamline federal procurement process
- Provide guidance to regulatory agencies

What We Could Do: Roadmaps & Support

- Industry Roadmaps
 - Trough (Incl CLFR), Dish, Tower, Market Transformation
 - Individual one day sessions at industry sites
- Industry Support – Fast & Flexible
 - Lab Test & Eval Support
 - Expand staff (full time, post docs) to meet needs
 - FOA, Other support
 - Contractual Arrangements
 - CRADA
 - Work for Others
 - Competitive Solicitations

What We Could Do:

Facilities, R&D, Strategy

- Upgrade & Expand Facilities
 - Related to Program goals
 - Responsive to Industry needs
- Long Term R&D
 - Labs
 - Universities
- DOE Internal Strategy
 - Storage, baseload are major selling points
 - Revise cost goals

What We Could Do:

Market Transformation Activities

- Land
 - PEIS (WGA, BLM, CEC, CPUC)
- Transmission
 - RETI
 - DOE/Office of Electricity
- Stakeholder Education (e.g. PUC's)
 - NARUC
 - Form SWAT Team

- Additional Industry Feedback/Input?
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