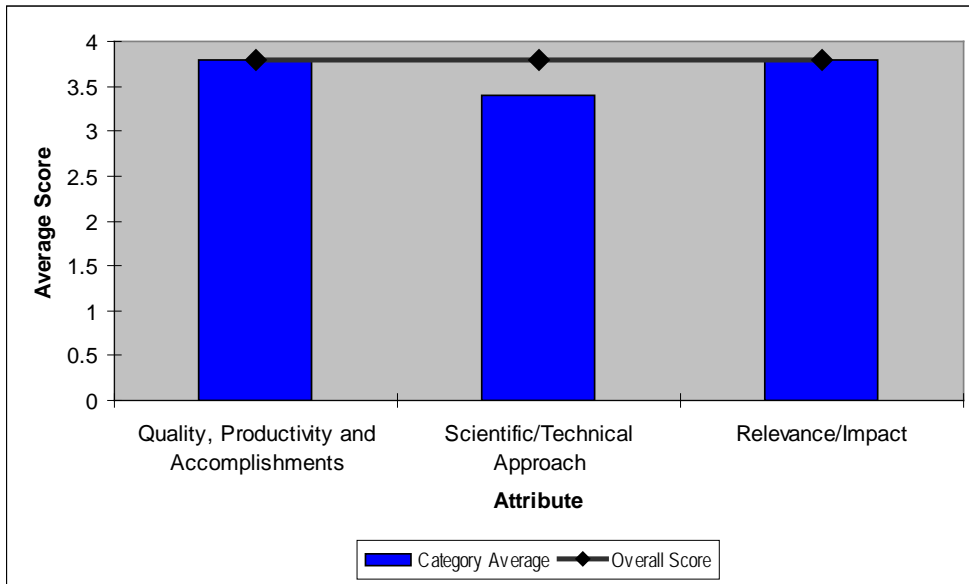


Stakeholder Outreach / FOA Support

Principal Investigator: Tom Mancini, Sandia National Laboratories



Review of SNL’s involvement in stakeholder outreach, which includes: (1) outreach to government Entities, NGOs, utilities and the public (in combination with NREL); (2) support of DOE-funded activities; and (3) support of the CSP industry. Future goals of SNL’s outreach activities include expansion of support to BLM; additional CSP participation with advocacy and environmental in the Southwest; participation in CSP-specific issues; and

development of international agreements in CSP R&D.

Quality, Productivity and Accomplishments (Average Rating 3.8)

Rating Comments

4.0 This project involves most of the SNL staff. The productivity is impressive.

4.0 The two PIs are among the most outstanding CSP experts in the world. They have done an excellent job of stakeholder (BLM, WREZ) outreach, information transfer, support to DOE-FOA funded projects and the CSP industry. Accomplishments include:

- “CSP Technology, Markets and Policy Impacts”, KPM Vice President and Nobel Laureate Al Gore, January 2008, New York, New York.
- National Academies of Science “Big Solar Meeting”, Jan 2008
- “CSP Status and Technology”, DOE State Energy Advisors Board, Albuquerque, NM, April 2008.
- CSP overview to Western Interstate Energy Board (WIEB) Committee on Regional Electric Power, Apr 2008, San Diego, CA
- “CSP Technology and Status”, House Committee on Energy, Washington, DC, May 2008.

- “Utility Scale Solar: Opportunities and Obstacles” to U.S. House Subcommittee on Energy and Environment, Field Hearing, March 2008, Tucson, AZ
- “CSP Technology and Status”, U. S. Senate Committee on Energy and National Resources, Field Hearing, July 2008, Albuquerque, NM
- CSP overview to National Association of Regulatory Utility Commissioners (NARUC) Summer Annual Meeting, July 2008, Portland, OR
- “CSP Technology and Status”, GovEnergy, Phoenix, AZ, August, 2008.
- Solar Electric Power Association, Short Course on CSP, San Diego, CA, Oct 2008.
- “CSP Status and Technology”, BLM Brown to Green: Renewable Energy Conference, Santa Fe, NM, December 2008.

Approximately 40 tours of the NSTTF were provided for industry and government officials.

- 3.0 An appropriate number of people, with well recognized technical credentials have been engaged in this project. The members of the team and collaborators clearly demonstrate their ability to contribute to the project. The facilities deployed on the project appear to be adequate, but limited, for the task at hand. The work under way is producing an appropriate level of accomplishment relative to the costs incurred. The project team appears to be on schedule, but the project is clearly still in progress and not yet complete. \$250k stakeholder, \$300k FOA in FY09

POD – Plan of Development

- 4.0 Both key technical contacts shown for the Southwest Stakeholder Outreach – Mark Mehos and Tom Mancini – are world class project/program performers. They have worked very well through different phases including a number of years with limited resources, including limited staff and limited budget. The National Renewable Energy Laboratory (NREL) and Sandia National Laboratories (SNL) have both been information resource clearing house for the concentrating solar power to federal /state/local governments, utilities, regulatory commissions, the NGOs, and the BLM. Help BLM to review applications – plan of development. Is it reasonable to foot print, power output, visual impacts, hazardous material brought to the site. The models are very helpful for decision makers. Recuperator needed for Brayton energy dish system. Need to outreach environmental groups for CSP plant locations.

Scientific/Technical Approach (Average Rating 3.4)

Rating	Comments
3.0	This is an outreach program, most of the work consist in compiling and presenting results, and in providing information about the status of the CSP technologies, and projects. The way this outreach have been handled seem appropriate.
3.5	Very effective and extensive approach used for outreach, education, coordination, and information transfer.
3.0	The project team applied an appropriate technical approach in pursuit of project objectives. The design and execution of the approach are good.
4.0	The Labs goal for the CSP subprogram is to produce CSP utility-scale electricity at a cost which is competitive with that of fossil-fired power plants. The Labs have performed detailed analyses for cost reduction, and have helped in performing the following work: <ul style="list-style-type: none"> • technology research and development to improve performance and reduce component costs, • minimize project development and operations and maintenance costs) solar plant scale-up

The Labs have also provided FOA support.

Stakeholder outreach: Excellent job. Overall helpful, continue efforts at state and local levels.

- Excellent Projects
- Industry Support

Relevance/Impact (Average Rating 3.8)

Rating	Comments
4.0	To provide accurate information to public bodies and appropriate support to the CSP industry is key to the success of CSP technologies.
4.0	Extremely relevant.
3.0	Overall helpful, continue efforts at state and local levels.
4.0	<p>The following activities:</p> <ul style="list-style-type: none"> • Stakeholder support activities • DOE FOA support Activities • Support for non-DOE funded activities <p>have greatly helped in accelerating the commercialization and deployment of CSP power generation technologies in the southwest.</p> <p>The following presentations by the Lab staff are of very high value and reach out to the right interested groups:</p> <ul style="list-style-type: none"> *"CSP Technology, Markets and Policy Impacts", KPM Vice President and Nobel Laureate Al Gore, Jan 2008, New York, NY *National Academies of Science "Big Solar Meeting", Jan 2008 *"CSP Status and Technology", DOE State Energy Advisors Board, Albuquerque, NM, Apr 2008. *CSP overview to Western Interstate Energy Board (WIEB) Committee on Regional Electric Power, Apr 2008, San Diego, CA *"CSP Technology and Status", House Committee on Energy, Washington, DC, May 2008. *"Utility Scale Solar: Opportunities and Obstacles" to U.S. House Subcommittee on Energy and Environment, Field Hearing, Mar 2008, Tucson, AZ *"CSP Technology and Status", U. S. Senate Committee on Energy and National Resources, Field Hearing, Jul 2008, Albuquerque, NM *CSP overview to National Association of Regulatory Utility Commissioners (NARUC)'s Summer Annual Meeting, Jul 2008, Portland, OR *"CSP Technology and Status", GovEnergy, Aug 2008 Phoenix, AZ *Solar Electric Power Association, Short Course on CSP, Oct 2008, San Diego, CA *"CSP Status and Technology", BLM Brown to Green: Renewable Energy Conference, Dec 2008, Santa Fe, NM

Overall (Average Rating 3.8)

Rating	Comments
4.0	The involvement of the SNL and NREL staff in providing information to public authorities about the status and potential of CSP technologies, and support to the CSP industry is to be commended. All of the outreach activities carried out seem relevant, and well executed.
4.0	Team has done an excellent job of stakeholder outreach and industry support.
3.0	[none]
4.0	The work performed by the National Labs – NREL and SNL – is very relevant to the Solar Energy Technologies Program. It is highly recommended that the Labs should be provided with the required resources – including staff and funding – to continue their proposed work scope.

