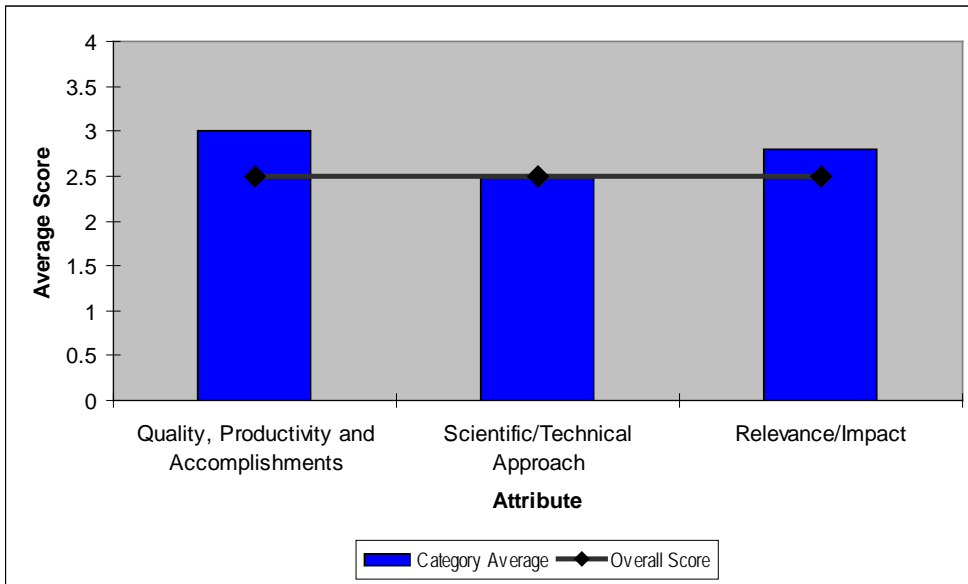


Integrator

Principal Investigator: *David Hermann and Frank Orr, CH2MHill*



Quality, Productivity and Accomplishments (Average Rating 3.0)

Rating	Comments
3.0	A good team. It is not clear how this effort fits within the other technical support programs for the Cities.
3.0	It was difficult to understand the magnitude and quality of the support efforts to the Tiger Teams. The qualifications are top notch and the ability to deliver apparently good with the vast human and technical resources, however what was accomplished and for what cost is not clear.
4.0	CH2M HILL brings a strong cadre of solar experts to this project. Because the project only recently started, it is too early to judge the overall productivity of the project.
2.0	While the overall intention seems sound, the quality and productivity of the output is “light,” particularly with the sizeable resources allocated to this team. A budget of this size should produce a sizeable volume of highly quantifiable and valuable outputs, applicable across the entire spectrum of market transformation.

Scientific/Technical Approach (Average Rating 2.5)

Rating	Comments
3.0	The efforts do address some critical market barriers.
2.0	Again without specific examples of their support an assessment is difficult. My preference would be to have more technical resources employed in the national labs for greater leverage of time and money.
3.0	Cannot adequate judge the quality of the technical approach because of the limited information

that was made available on this project.

- 2.0 The technical approach is unknown – methodology and process seem consultative in nature. While it would be very useful to know, for example, actual delivery energy and power, at a given price point, over a specific period of time for the target cities, instead the outputs are high level capacity based structures. Given the nature of PV, this is not terribly useful in evaluating the program on a citywide basis.

Relevance/Impact (Average Rating 2.8)

Rating	Comments
3.0	The project could have a positive impact is it can develop standards/methodologies for local communities to conduct their own assessments. Based on the presentation, I see that the goal of the effort should be to pull together the lessons to develop tools for communities to use in conducting solar assessments.
3.0	[none]
3.0	The project provides for technical assistance above and beyond what can be provided by the national labs, such as for engineering support and utilizing advanced methodologies to examine municipal solar opportunities.
2.0	There appears to be a view toward name plate capacity in the program. For example, when visiting the SF portal, one case study highlighted is in a facility that shows significant shading, so the realized energy and capacity is likely significantly less than what is indicated in the portal. This casts into question the overall relevance and impact of the total work. Given the resource expenditures and vast experience of the team one would expect a significantly greater impact.

Overall (Average Rating 2.5)

Rating	Comments
3.0	<ul style="list-style-type: none">- Detailed solar site evaluations- Has this effort lead to a standard method of site evaluations that can be provided to Cities?- With site surveys - is that something an installation company can do following a RFP from the City- Does the solar map estimate production? PV Watts? CPE?- Solar metrics data with cities to establish a benchmark for solar city goals- Do you look at helping the city determine the real time performance of the city?- What limits the potential for a city?
2.0	Perhaps the Tiger teams should be reviewing their effort. I wonder how much of the heavy lifting was done by the lab staff and how much was done by CH2MHILL.
3.0	Because this project is in the very early stages, it is difficult to evaluate progress through FY08. However, the project represents an important set of activities to support the Solar America Cities program.
2.0	Given the significant dollars expended, this program needs re-evaluation. It is not at all clear how these expenditures are enhancing or extending NREL or DOE efforts. They do appear complementary, but given the size of the expenditures (\$6M + through 2010), it is not clear that there isn't a better use of funds for the overall program.