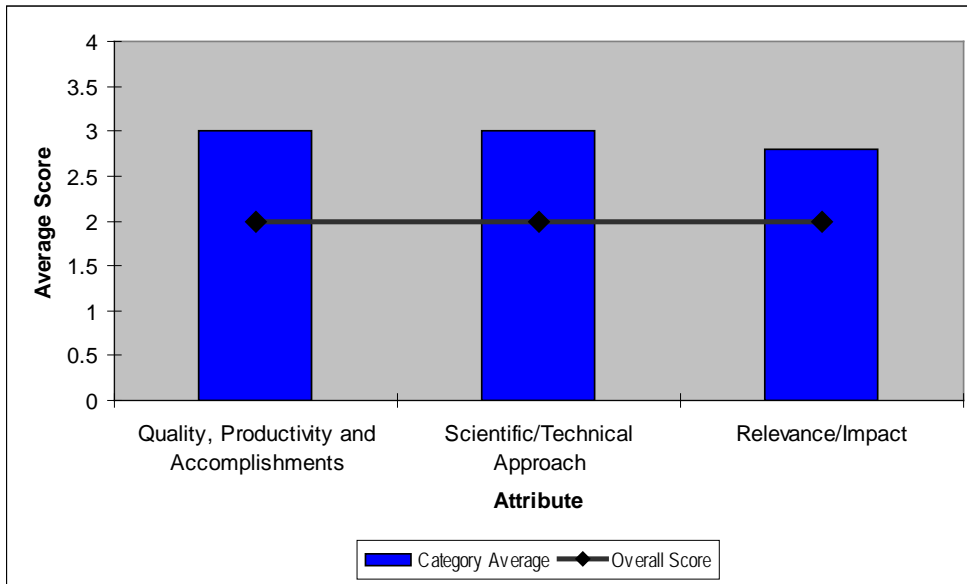


Building-Integrated Photovoltaic (BIPV) Solar Energy System
Principal Investigator: John Foreman, EnergyPeak



EnergyPeak is a nationwide network of BIPV roof providers, and this project supports collaboration between Centria, DOE, and a host of partners to support EnergyPeak. The project has completed its tasks, which include accelerated exposure BIPV testing on a variety of substrates, testing in various climate conditions, systems standardization, and construction of robust metal roofing.

Quality, Productivity and Accomplishments (Average Rating 3.0)

Rating	Comments
3.0	It looks like the contractor was able to pull together an interesting tool for a specific BIPV application.
4.0	Excellent work and with a fund match it was good use of DOE funds. The level of detail and the access by those wanting to look at BIPV.
3.0	The technical team seems solid and has produced meaningful results.
2.0	none

Scientific/Technical Approach (Average Rating 3.0)

Rating	Comments
3.0	The contractor appears to have developed a useful model for BIPV.
4.0	The number of industry partners and the work products are outstanding. The metal roofing industry got a leg up as a result of this work.
3.0	The technical approach is to develop and test factory-constructed BIPV systems for metal roofs.
2.0	none

Relevance/Impact (Average Rating 2.8)

Rating	Comments
2.0	The project results may be a better fit for the buildings program.

- 3.0 I think the work resulted in a valuable asset the roofing industry will use going forward. It would appear the basic knowledge and platform not exist and the industry with the most to gain should be able to cover the cost going forward if the application of BIPV is sustainable in the market place.
- 3.0 The project seems to have made good progress toward testing various materials and approaches to creating standardized BIPV system designs.
- 3.0 BIPV, specifically lightweight substrate solutions, in general have tended to over-promise and under-deliver. The overall quality and productivity of the team relative to its accomplishments must be viewed in this context. While the intent is good, the underlying materials that serve as the foundation are questionable.

Overall (Average Rating 2.0)

Rating	Comments
2.0	It is not clear why this is a MT project. The effort appears to have been successful but the result appears to be a sales tool for one company as opposed to something that can be used across the industry.
3.0	I think this may be funding that has achieved its goal. If the industry sees value, they should have no problem funding the clearing house of information available and continue the very good work that has been done.
2.0	Although simplified and low-cost BIPV approaches have the potential to expand the PV market, this project seems to be a better fit as an RD&D project; not considered to be a funding priority for the “market transformation” activity.
1.0	The technical approach generally seems sound, although the ROI analysis cannot be accurate without a strong understanding of the associated Tariffs and Rates from a given utility. That does not appear to be the case for this solution. A basic understanding of the economics would dictate the overall performance of the solution.