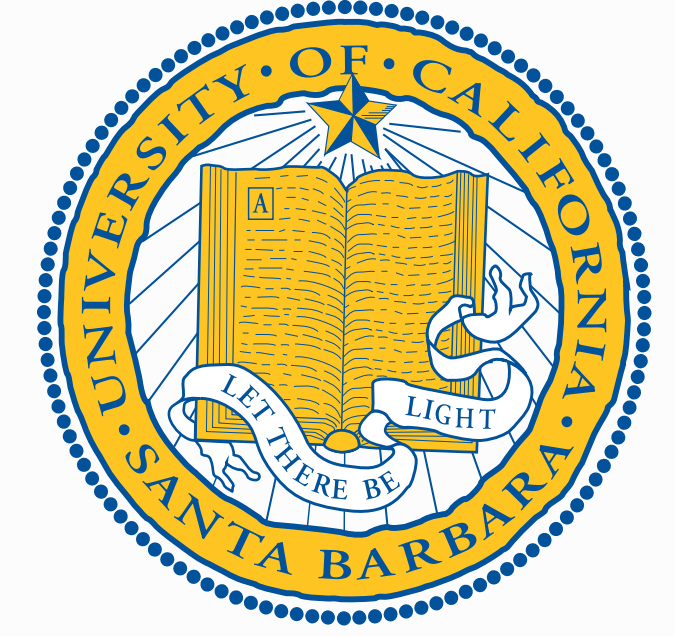


Evaluating Viable Models For Community Solar Projects in The State of California

Sougandhica Hoysal, Carlo Bencomo-Jasso, Andrew Riley



Siting of Arrays on Easements and Disturbed Land

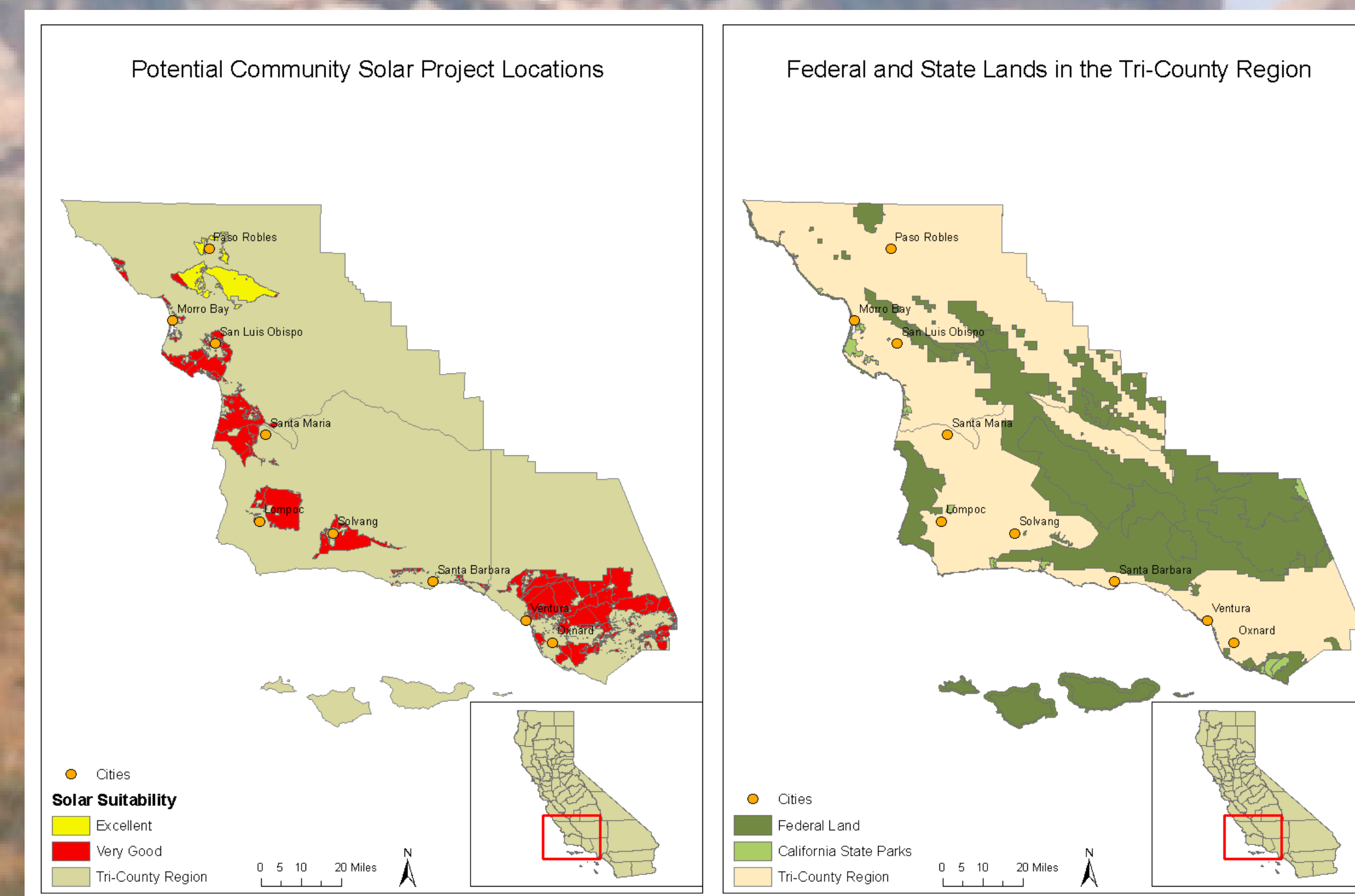
Features of the project include;
Emphasis on Decentralization - Generate power close to end-users
Model community ownership solutions
Use of disturbed land and rooftops in place of undisturbed ecosystems and sensitive habitats.
Innovative financing and ownership models.
Recommendations for policies which increase use of the 15 million acres of contaminated land available to solar development such as the facility at a former landfill in Fort Carson, CO



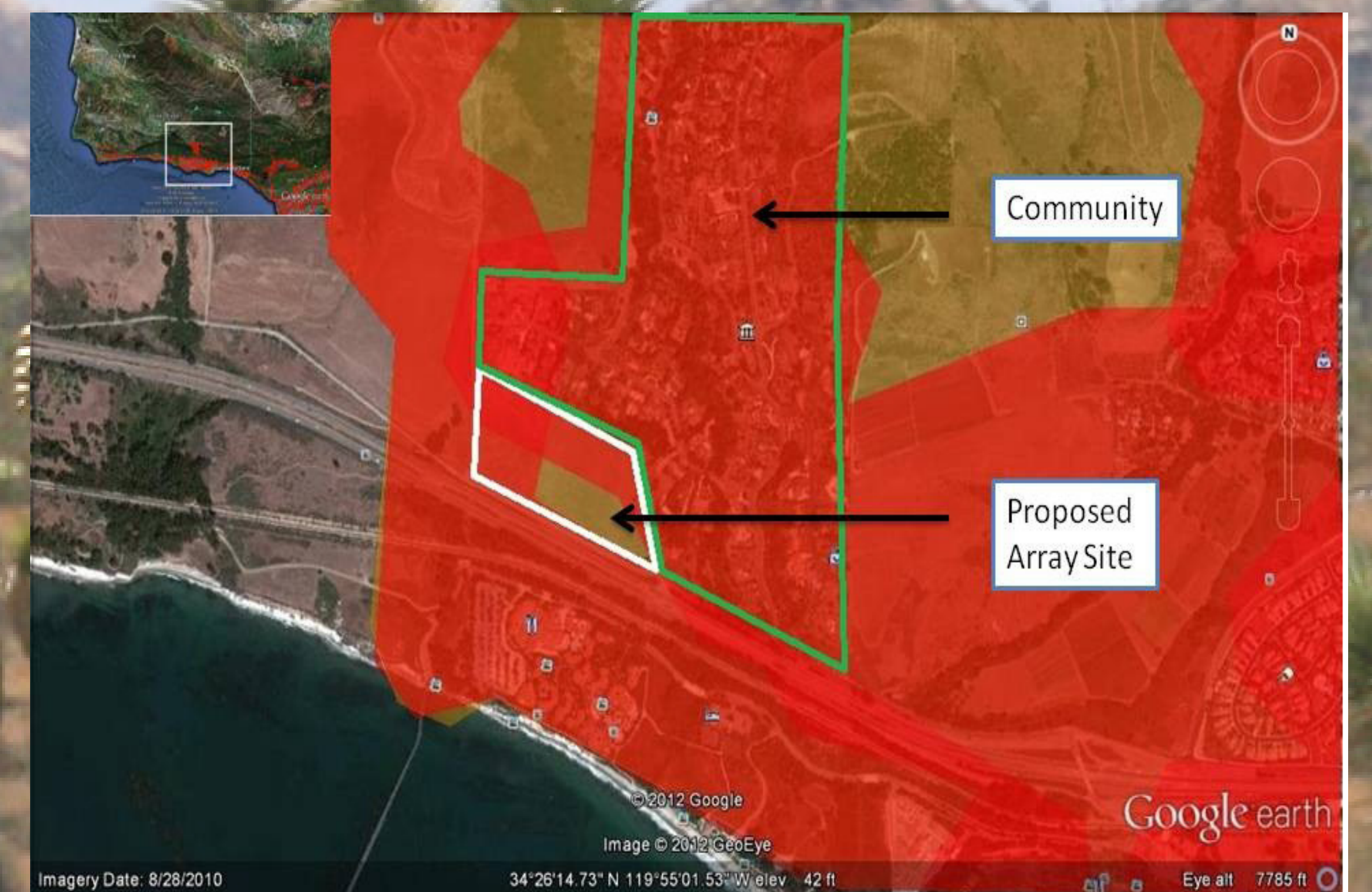
Image of proposed site showing exposure & proximity to interconnection



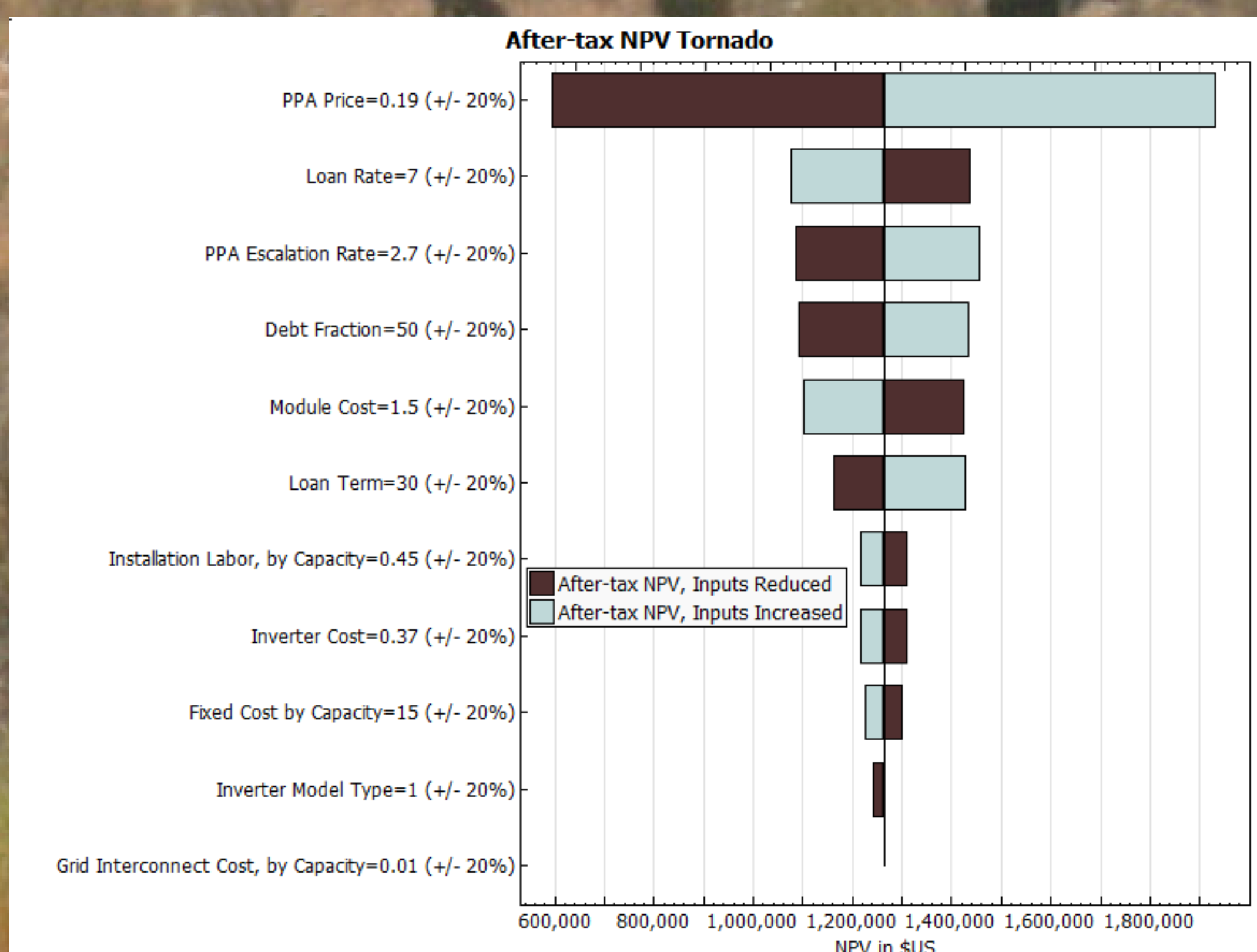
Commercial and apartment rooftops are well suited to community solar applications



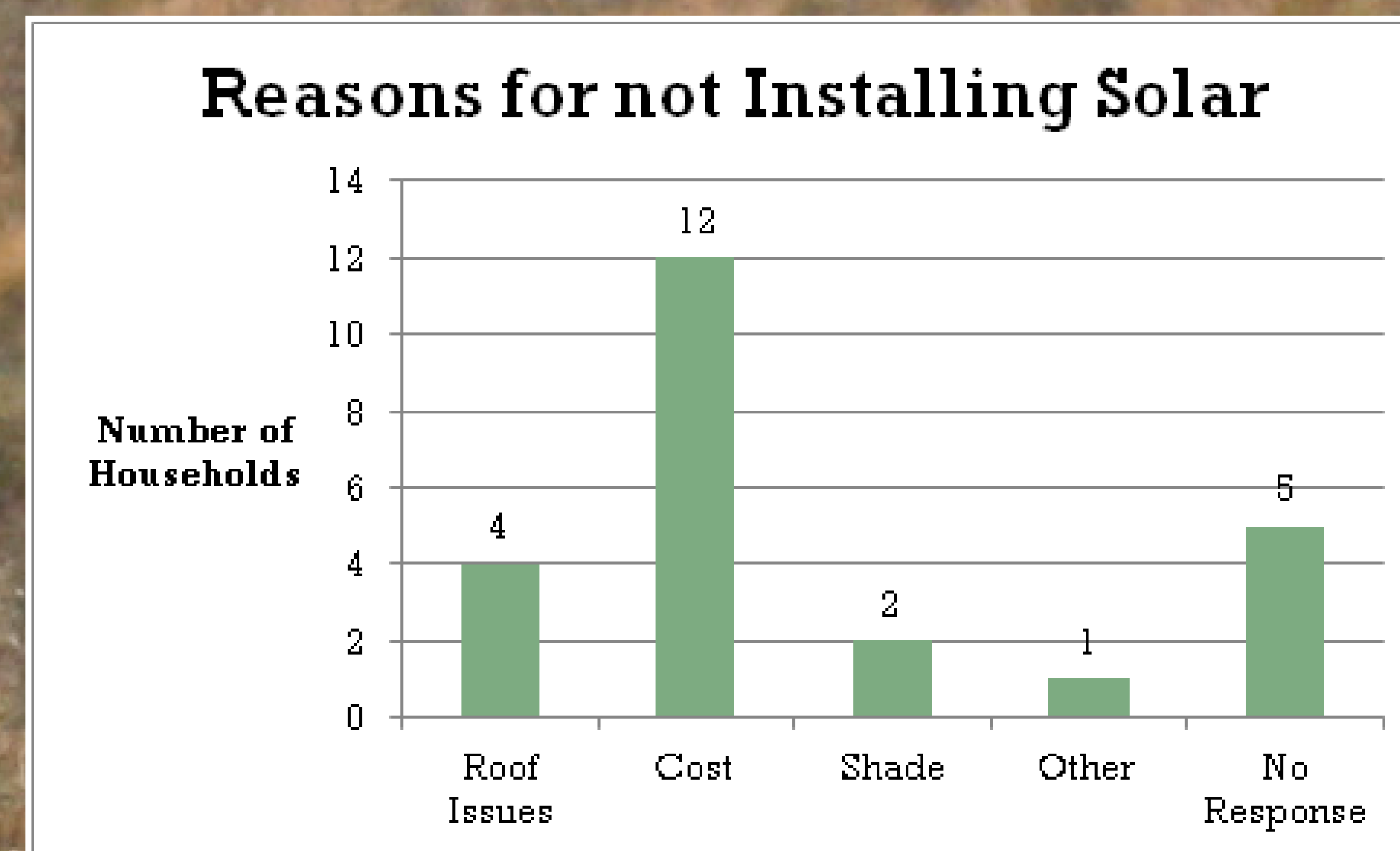
GIS estimation of community-solar suitable area - excluding rooftops



Proposed site for case-study array - with RAM suitability map from Souther California Edison



Sensitivity Analysis



Survey response demonstrating cost as primary reason cited for not installing solar



Fort Carson PV array on site previously used as landfill (photo: US EPA Repower America)