



New York City Stimulus Tracker Pending Funding Requests: Grant Application Tracker

Lead Federal Agency: Department of Energy
Application Submitted by: NYC Economic Development Corporation
Date Submitted: July 27, 2009

ARRA Funding Source: Recovery Act – Solar Market Transformation, Topic 1: Solar America Cities Special Projects

Funding Source Description: The Department of Energy's "Solar Market Transformation" grant intends to accelerate the wide-spread adoption of solar electric technologies across the United States. For this funding announcement, DOE is looking for Solar America Cities (SAC) - cities that participate in DOE's Solar America Initiative, like NYC - to scale-up innovative solar energy programs and concepts so they can be tested in a broader marketplace, thereby increasing the likelihood of replication in other US cities.

Grant Description: Project components: 1) Smart Solar City Data Acquisition System (DAS): A Smart Solar City DAS for photovoltaic (PV) solar energy generation would provide critical real-time power production data to Con Edison, laying the foundation to overcoming technical barriers to PV deployment on NYC's network grid. 2) Solar Empowerment Zones: Solar Empowerment Zones will be the geographical regions where the Smart Solar City Project is implemented. These Zones will be established in areas across the City that have desirable load profiles and exhibit adequate roof space. 3) Smart Solar Ombudsmen: Two Smart Solar Ombudsmen will work with the NYCSAC Solar Coordinator to implement all aspects of the Smart Solar City Project. 4) Smart Solar Virtual Community: The Smart Solar Virtual Community will house the online components of the Smart Solar City that are available to Con Edison and the public. 5) A New York City Solar Planning Map: In partnership with Con Edison, the New York City Solar Planning Map will use census software and building load information as a utility and City solar planning tool.

Grant Amount: \$932,508

Anticipated benefits: This "Smart Solar City" project will provide a pilot Data Acquisition System that will allow communication and control between the electric grid and distributed PV solar energy generation. This centralized monitoring system will overcome barriers that are curtailing PV deployment. The utility will receive the information it needs to depend on solar energy as a peak generation source and to ensure grid reliability with scaled-up PV deployment.