

# U.S. SOLAR STIMULUS PLAN

install a **3KW SOLAR PANEL ROOF SYSTEM**

on **7 Million Homes** over **5 years**

to create **252,000 New Jobs** and replace

**3 Nuclear Plants**

each plant produces 7,000 GWh each year

land art generator initiative RENEWABLE ENERGY CAN BE BEAUTIFUL™



Each house icon represents one million single family homes. There are 70 million occupied single family homes in the US. The proposal will install PV on the roof of 10% of them.

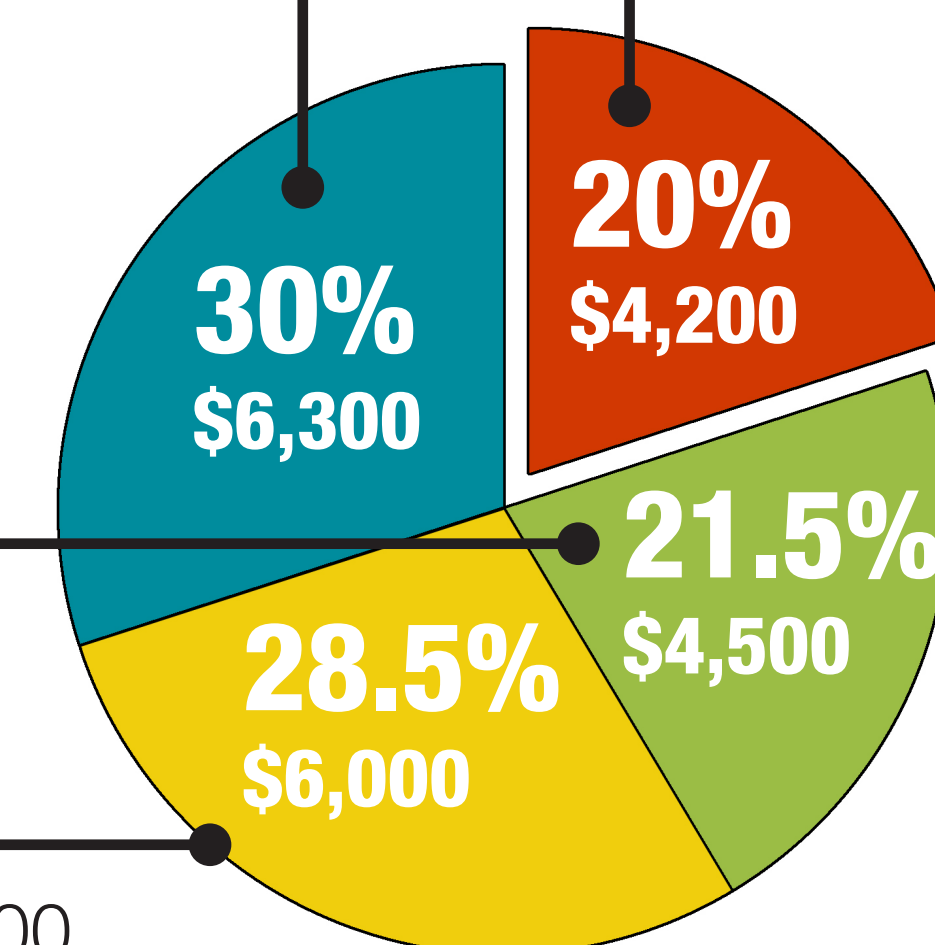
*Additional 20% tax credit will ensure the average American family's financial ability to install a photovoltaic system on their roof.*

Existing 30% federal tax credit

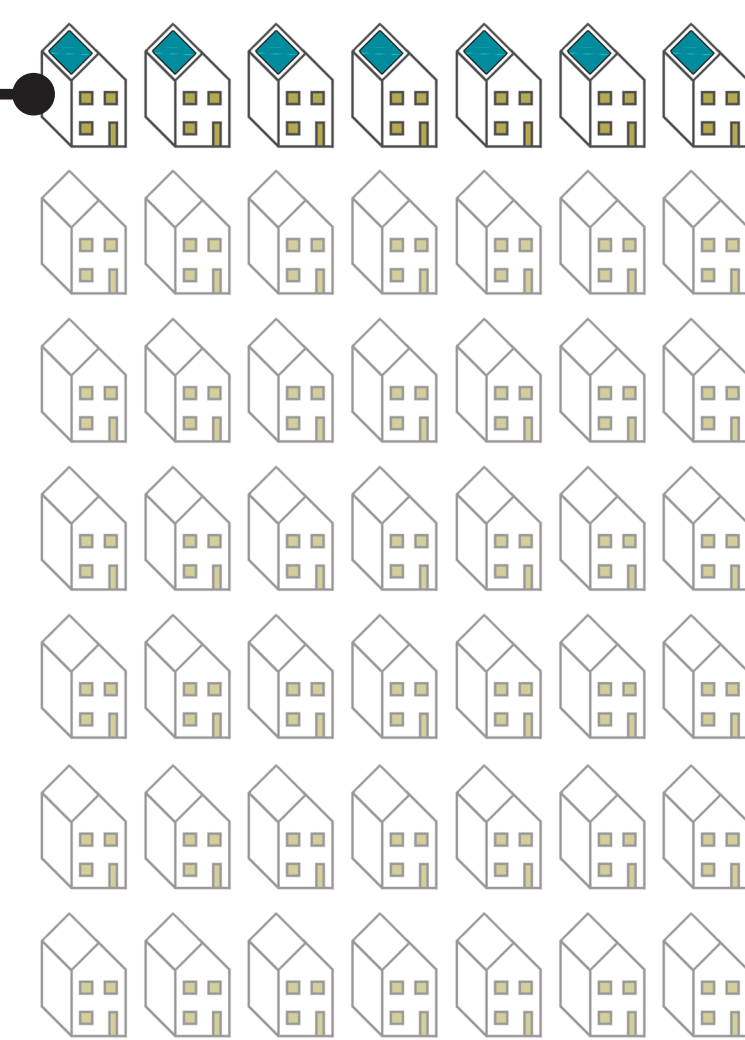
...assuming 72 (wo)man-hours per 3KW system for manufacturing of all parts and complete installation on site.

Some local incentives can be as much as \$4,500.

Some states provide tax credits. Oregon for example provides \$6,000.

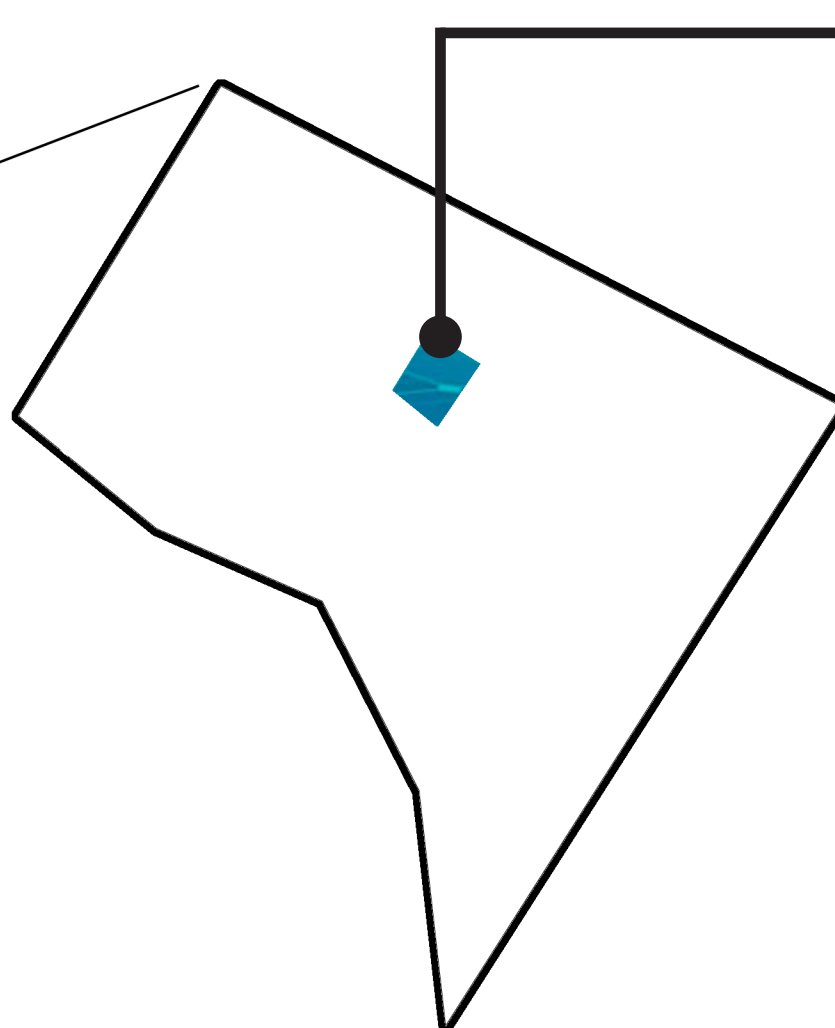


**\$21,000**  
cost of grid connected 3KW PV rooftop system with battery backup



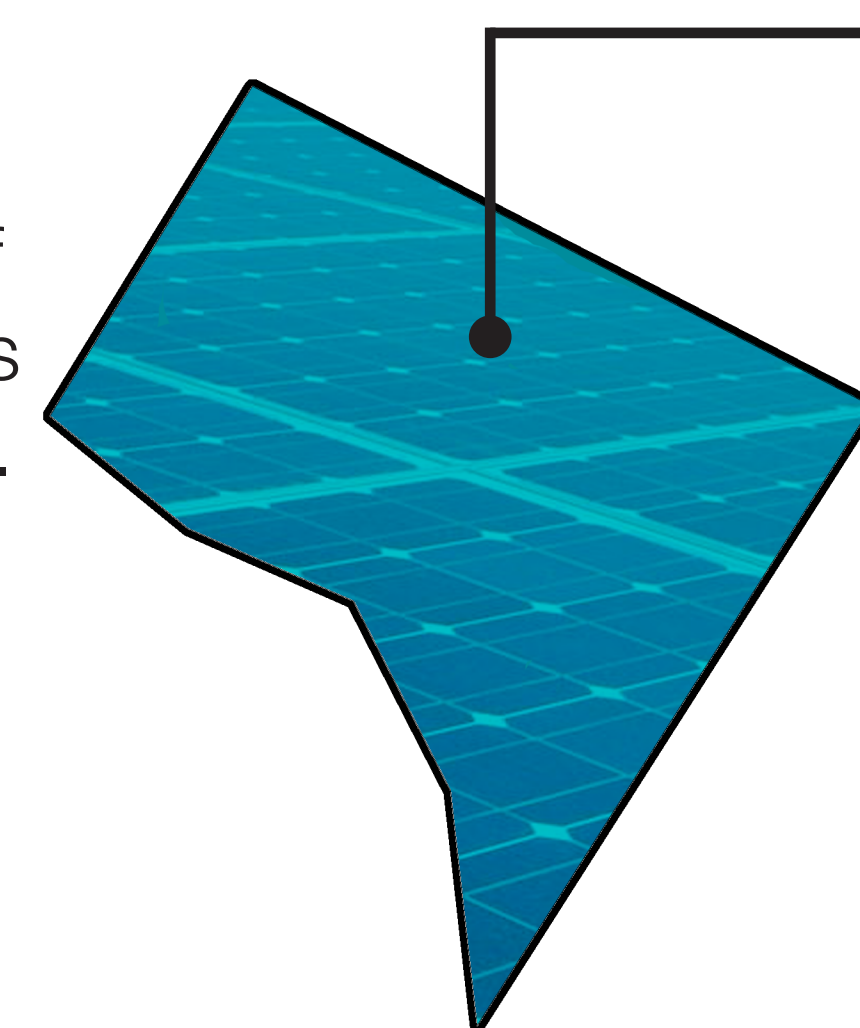
**2.2 Km<sup>2</sup>**  
(540 acres) 260 GWh/year

Today: The installed capacity of residential rooftop photovoltaics in the US is about 260,000 KW. At about 90 square feet of surface area per KW, this equates to about 540 acres, or 1/80 the surface area of Washington DC. At an average of 3 KW system per home, this equals about 87,500 homes.



**168 Km<sup>2</sup>**  
(41,500 acres) 21,000 GWh/year

If we were to install rooftop PV panels on another 7 million US homes, the surface area of installed residential solar capacity would equal the area of all of Washington DC. This would raise the total capacity of residential solar to about 21,000,000 KW, and produce about 21,000 GWh every year.



**capital cost = \$5.8 billion per year over 5 years; payback for US energy infrastructure will last for 30 years and provide 7 million homes with added income**