

IMAGINE

An American Solar Manufacturing Renaissance

Our Model: Build a nonprofit, state-of-the-art, solar module assembly factory in a disadvantaged community, provide all the solar power needs for that city and use the proceeds to give free power to thousands of low-income families.
Then we replicate the model across the United States.

Fulfilling Our National Strategic Objectives:

1. Global Warming: massive mitigation of GHG.

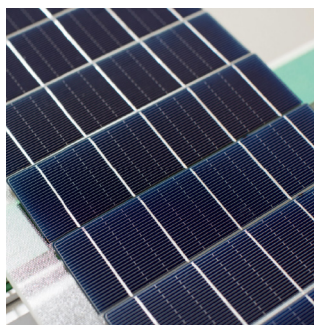
- Each factory will produce 33MW or 100,000 solar modules – enough for 6,000 households per yr.
- Factories are rapidly scalable
- Each factory is a local, distributed energy resource
- Local photons are more valuable than ones coming from hundreds of miles away, losing power and burning down our forests and communities

2. Hyper-Local Job Creation:

- Each factory will create over 700 direct and indirect manufacturing, construction, professional management, and technical jobs.
- We place the factories in the heart of the communities where jobs are most needed.
- Coordinated with LA County WDACS, REDF, Local Unified School Districts, America's Job Centers, and Goodwill Industries for Workforce Development program coordination.

3. Local Economic Expansion:

- Factories are locally owned by a nonprofit so that all proceeds are reinvested in the local community
- Free energy provided for the lowest income households. Each 6,000 families served redirects \$6.5M per year back into the local economy
- This provides an aggregated increase in DPI of \$6.5M per year for the next 25 years for those families. This is an ongoing form of guaranteed income.
- Powerful economic stimulus. This \$6.5M in the hands of low-income households tends to be spent locally and immediately.



4. Equity and Justice:

- Factories are located in the heart of the most disadvantaged communities in the U.S.
- Phase I goal of each factory is to provide 6,000 low income families, located in high negatively, environmentally impacted communities with free solar power – so they can participate in the renewable energy revolution.

Additional Links

Our Story of Hope - National - <https://youtu.be/efqurolf-e0>
National Solar Factory Network - https://youtu.be/x2i56f_WlaM
Pomona Factory Tour - <https://youtu.be/ocECiCHjQc>

Assemblyman Chris Holden Comments - <https://youtu.be/ejoGfA3iEjY>
CHERP Model Presentation - https://youtu.be/5_q9zmHaLlk?t=637
White Paper on our Technology - <https://bit.ly/2MFkhNQ>

Quick Summary

Our Model

Manufacture the world's most advanced solar modules in community owned factories, located in the hardest hit cities across America, and then organize the factories into a cooperative, national network to achieve the highest levels of efficiency, scalability, quality, and resilience.

Key Points

- **CHERP Solar Works™ has partnered with idealPV™** to launch an American solar panel manufacturing renaissance and to create middle-class manufacturing jobs.
- **We are solar factory builders.** With idealPV™, we are now launching the Locally Grown Power™ network of nonprofit, solar panel assembly factories across the U.S. We help each community build their own solar factory and then provide ongoing, wrap-around services that assure efficiency and economies of scale across the network.
- **Locally Grown Power™** is a cooperative, resilient, nimble, and **rapidly scalable network of locally owned solar factories** located in our nation's most disadvantaged communities.
- The Locally Grown Power™ network combines the **most advanced solar technology in the world** in a non-profit, distributed manufacturing model. We make the only panels made by a 100% U.S. owned, nonprofit company.

4 Mission Areas



- **CHERP Solar Works has successfully created the first prototype factory in Pomona California** – one of the highest, negatively environmentally ranked cities in California according to the CalEnviroScreen 4.0.

- **Building community wealth.** Our overall mission for each city is to recirculate all “profits” generated by the entire enterprise back into the local economy by providing free energy to the lowest-household income families in our cities. This creates millions of dollars of extra Disposable Personal Income each year for 25 years (\$6.5 Million for each 6,000 households served) for those families that need it the most, and those dollars will be spent in the local economy.

- We are currently in conversation with 10 other cities about building factories. **Our goal is to launch 3 more factories in 2023, 5 more in 2024, and 10 each year after that.**

- **We are passionately addressing our 4 mission areas:**

1. Rapid and massive reduction in GHG
2. Hyper-local job creation,
3. Local economic expansion
4. Environmental and social justice.

Statistics



1 Factory

- **GHG:** 26,700 Metric Tons CO₂ per year
- **JOBS:** 763 Direct and Indirect
- **ECONOMIC EXPANSION:** \$147,000,000 15 yr.
- **Enviro Justice:** 6,000 Low-Income Homes, \$6.5M Disposable Personal Income per year



10 Factories

- **GHG:** 267,000 Metric Tons CO₂ per year
- **JOBS:** 7,630 Direct and Indirect
- **ECONOMIC EXPANSION:** \$1,470,000,000 15 yr.
- **Enviro Justice:** 60,000 Low-Income Homes, \$65M Disposable Personal Income per year

Partners in Factory Replication



Supporters

