

Green Door Initiative Case Study: Funding Your Infrastructure Project

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greendoor initiative

Mission

- The Green Door Initiative (GDI) works to ensure that every person is environmentally literate capable of practicing and promoting a sustainable lifestyle.



GDI plans to facilitate the revitalization of Detroit neighborhoods by using Renewable Energy Options.

We aim to ensure that residents and justice involved citizens are empowered; and equipped to live healthy, sustainable lives fully participating in the green economy



History

- GDI launched in August 2010. The goal of the organization is to change the discourse for Environmental Justice (EJ) in the city of Detroit through community engagement, empowerment and education.



Load Profile: Off-Grid Homes

- THIS MUST BE DONE WITH EXTREME ACCURACY!
- Plan for "worst case scenario" (day with little sun)
- Room-by-room, itemized list of all loads, wattage, rating of each and every load, and expected hours of daily operation
- Seasonal variations must be considered
- Once the profile is finished, inefficiencies and loads are identified and more efficient options should be chosen

Opportunity

Justice 40

Accelerator

Capacity Building

Department of Energy

EPA- Brownfield Job Training

EPA- Air Monitoring

- Other Support
 - Philanthropy
 - Collaborations
 - Partnerships





Workforce Trainees Renovation on Model Solar Home





Energy Hub

- ✓ Job training opportunities.
- ✓ Employment opportunities.
- ✓ Opportunities to volunteer and build skills/knowledge.
- ✓ Reduced energy costs for participating homes.
- ✓ Preparing residents for jobs in the solar energy industry.
- ✓ Local resource hub available to the community.





Phase 2 Vision:
Neighborhood Energy Hub

