

Financing Climate Mitigation & Resilience: Lessons from Hawaii

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Hawaii Green Infrastructure Authority



Climate Change Mitigation & Resilience

- ▶ Climate Change Mitigation
 - ▶ Actions to limit the magnitude or rate of global warming and its related effects.
- ▶ Resilience:
 - ▶ The capacity to recover quickly from difficulties, toughness.

Climate change and social inequity are major threats to community resilience & sustainability.

HGIA: created by Hawaii's Legislature to democratize clean energy

- ▶ Address financing market barriers to increase the installation of clean energy projects;
- ▶ Expanding access and affordability to underserved ratepayers;
- ▶ Stimulate private investments; and
- ▶ Leverage innovative tools to mitigate risks and reach new markets.



*“Ohana means family.
Family means nobody gets
left behind.”*

Hawaii's Energy Gap



- ▶ Ambitious 100% renewable energy in the electricity sector by 2045 goal
- ▶ Unequal access to clean energy
 - ▶ 48% of Hawaii's households ALICE (Asset Limited Income Constrained Employed) or below;
 - ▶ 43% of Hawaii's households rent
 - ▶ Nonprofits unable to monetize tax credits
 - ▶ Small businesses

GEM\$ On-Bill Program: Transitioning Underserved Ratepayers One Rooftop at a Time

- ▶ No upfront costs
- ▶ Immediate utility bill savings
- ▶ Elimination of credit barriers
- ▶ Obligation tied to the electric utility meter (not a person)
- ▶ One payment conveniently made on utility bill



The Kahauiki Village Story

PHASE 1 OF KAHAUIKI VILLAGE:

11% OF THE 284 FAMILIES
LIVING IN TRANSITIONAL
HOUSING ON OAHU



30
HOMES FOR
30 FAMILIES

REPRESENTING:

10% OF ALL HOMELESS
INDIVIDUALS THAT COMPRISE
FAMILIES LIVING IN
TRANSITIONAL HOUSING



123
INDIVIDUALS

60
ADULTS

3% OF ALL HOMELESS
INDIVIDUALS THAT COMPRISE
FAMILIES LIVING IN
TRANSITIONAL HOUSING



63
CHILDREN

WHEN ALL PHASES OF PROJECT ARE COMPLETE:

54% OF THE 284 FAMILIES
LIVING IN TRANSITIONAL
HOUSING ON OAHU



153
HOMES FOR
153 FAMILIES

REPRESENTING:

53% OF HOMELESS INDIVIDUALS
LIVING AS A FAMILY IN
TRANSITIONAL HOUSING
ON OAHU



629
INDIVIDUALS

306
ADULTS

13% OF ALL HOMELESS
INDIVIDUALS ON OAHU

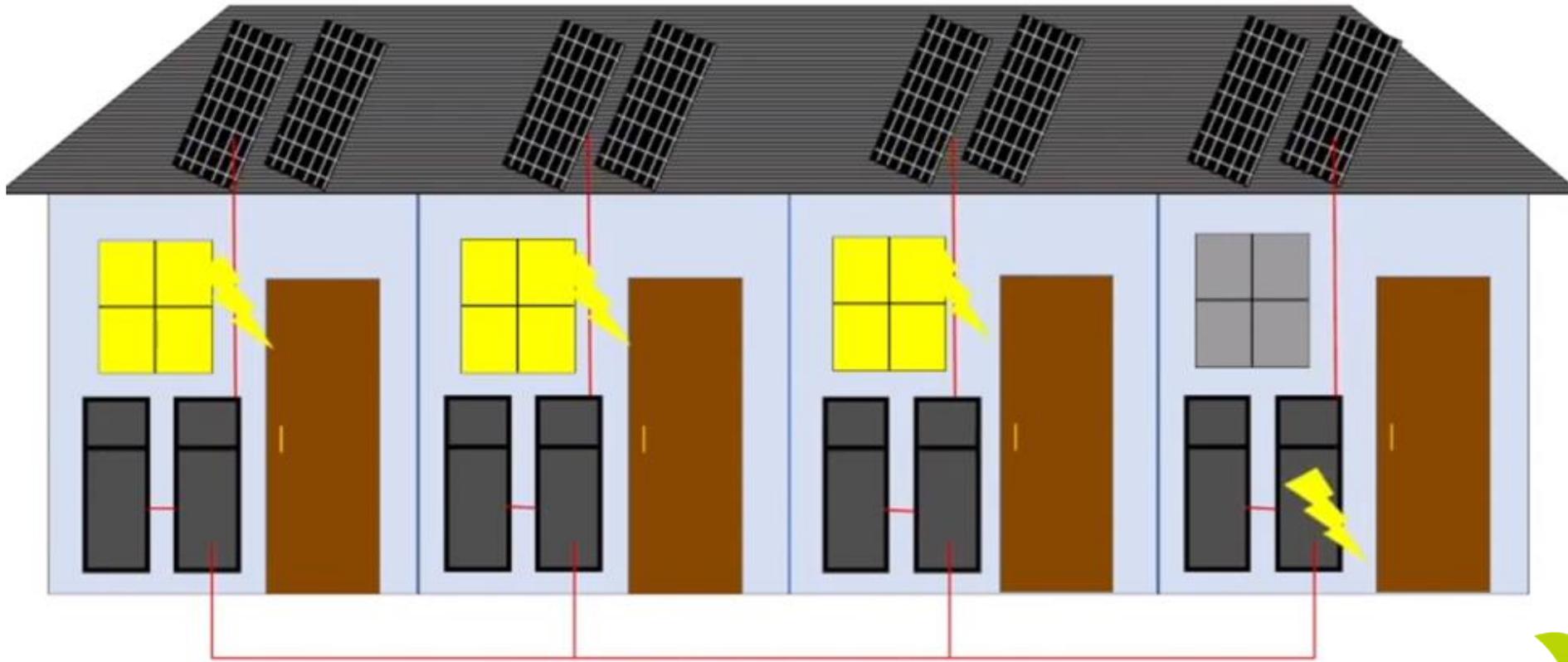


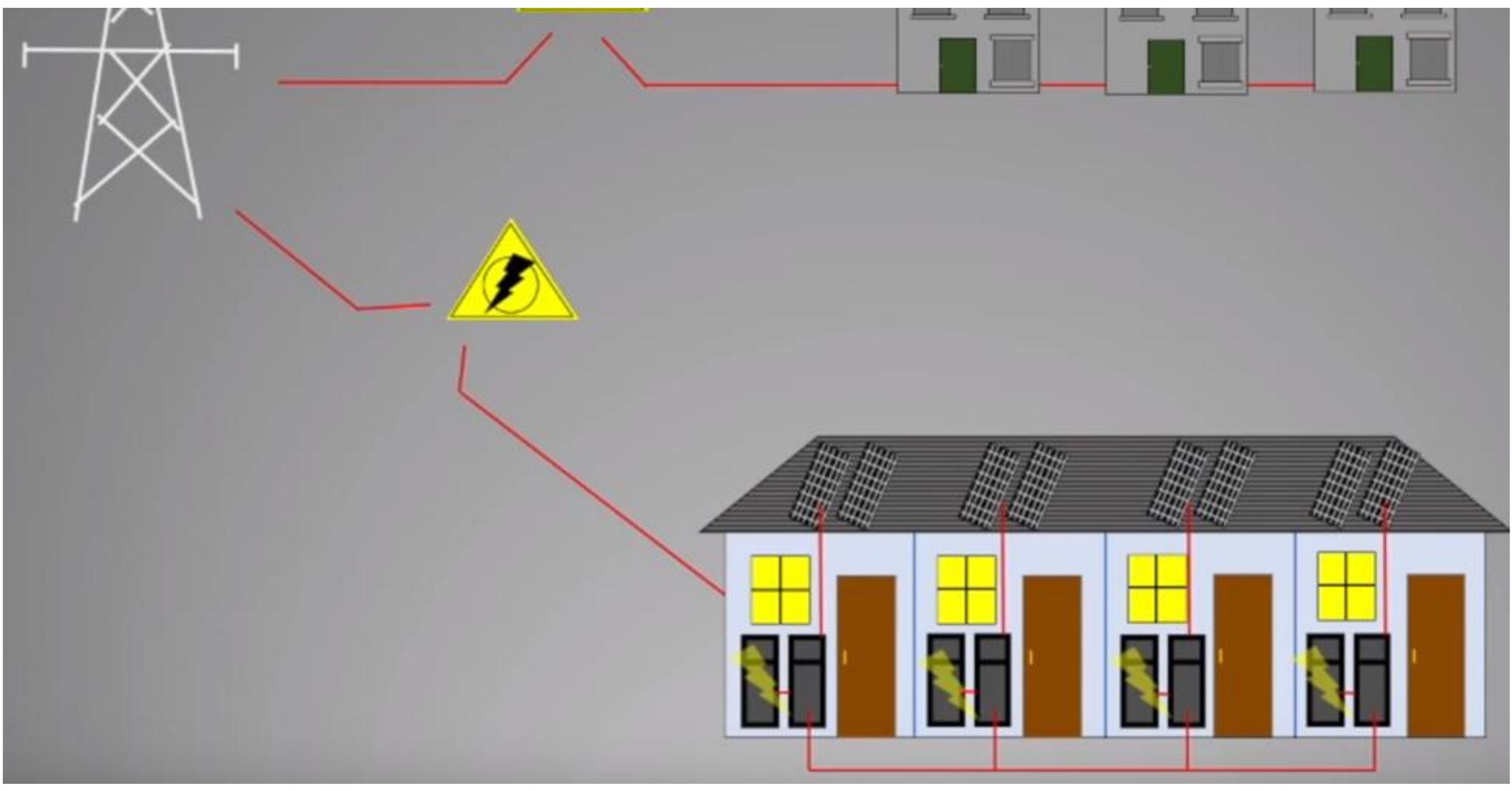
323
CHILDREN

Kahauiki Micro-grid



New Developments leveraging GEM\$ and Innovative PV + Storage Technologies





Mahalo! (Thank You!)

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Hawaii Green Infrastructure
Authority

