



Limited Income Housing Decarbonization

A Comprehensive Approach to Green, Healthy, and Affordable homes

Maryland LI Housing Characteristics

✧

587,768 LI Households in MD

= 27% of all Maryland Households

Average Energy Usage

11,912 kWh

Average SF Home Size

1,800 sq. ft.

Percentage Rentals

60%

Homes built pre-1980

64%

Percentage Fossil Fuel Heat

61%

Limited Income homes have a higher energy consumption per square footage, are more likely to be rentals, are older, and more likely to have fossil fueled heating than the average MD home.

Comprehensive Energy Upgrades

Clean Energy Generation

Rehab

**Energy
Efficiency**

Electrify



➤ [Building Energy Transition Implementation Task Force](#)

Energy Efficiency Needs

* 10% of eligible households served

Scale up programs

Existing Programs:

- DHCD: EmPOWER, WAP, MEAP, Net Zero
- MEA: LMI Energy Efficiency Grant Program
- Utilities: EmPOWER
- Counties: LMI Energy efficiency programs in MoCo and PG County

Additional Funds

- \$45M IJJA supplemental funding for DOE WAP program - received
- \$355M EmPOWER program plan for 2024-2026 - request submitted

Future Programs:

- IRA HOMES - MEA
- Green and Resilient Retrofit program from HUD directly to MF properties

Rehab Needs



38% of LI families live in unhealthy homes

= 223,351 MD households

Water / Mold	34.1%
Combustion Gases	23.0%
Roof Leaks	15.2%
Electrical	5.9%
Clutter	5.6%
Asbestos	5.1%
Structural	2.5%
Sanitary	1.2%
Lead	0.7%



- DHCD Single-Family Rehab and Multifamily Rental Lending programs
- Community Development Block Grants
- HUD Healthy Homes Programs
- New Funding Opportunities
- Green and Healthy Task Force

Electrification Needs



61% of LI homes heated with fossil fuels

358,538 households to electrify

Barriers:

- Old building stock requires costly electrical upgrades
- Unfamiliarity with electric technologies

Opportunities:

- New MEEHA Greenhouse Gas Reduction Program
- Upcoming IRA High Efficiency Electric Home Rebate Program, administered by MEA
- Existing efficiency programs should enable and enhance electrification

Clean Energy Generation Needs



Estimated 10-20% of LI homes candidates for on-site solar

Community Solar as option for everybody else

Barriers:

- Financing and funding
- Community engagement
- Site suitability

Opportunities:

- MEA: Community Solar LMI-PPA Grant Program
- MD's Solar for All application, led by MCEC

