

Climate Mitigation and Equity in Alexandria

ECCTF address equity in ECCAP (equity presentation in mtg package)

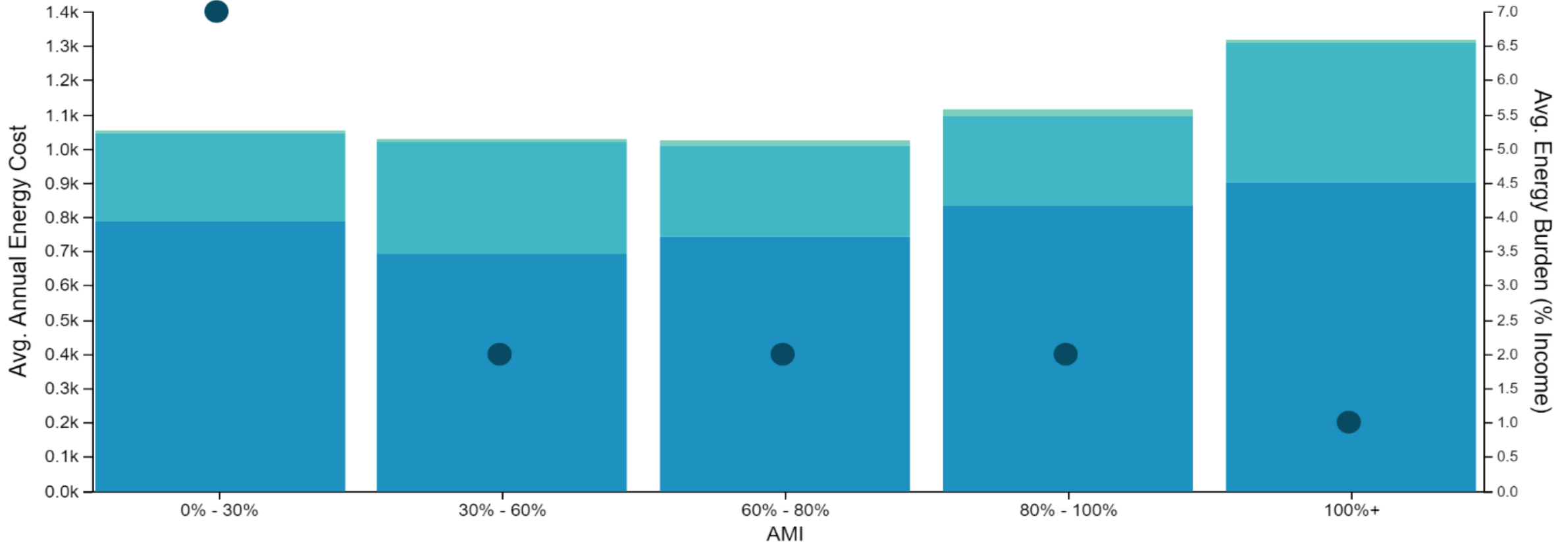
- **Challenge** - How to measure, track & improve equity in ECCAP
 - Low and moderate income households have a greater energy burden
 - Energy burden = Percent annual cost of energy in housing to household income
- **Policies and Programs** – How to reduce higher energy burden of low and moderate income households through efficiency and renewables

Energy Burden by Income

Energy Burden by % Area Median Income					
Jurisdiction	0-30% of median family income	31-60% of median family income	61-80% of median family income	81-100% of median family income	100%+of median family income
Alexandria	7%	2%	2%	2%	1%
Virginia	17%	7%	5%	4%	2%
Arlington Co	9%	3%	2%	2%	1%
Fairfax Co	10%	4%	3%	2%	1%
District of Columbia	14%	4%	3%	2%	1%
Montgomery Co	11%	4%	3%	3%	1%
Prince George's Co	12%	5%	3%	3%	2%

Energy Cost by Income

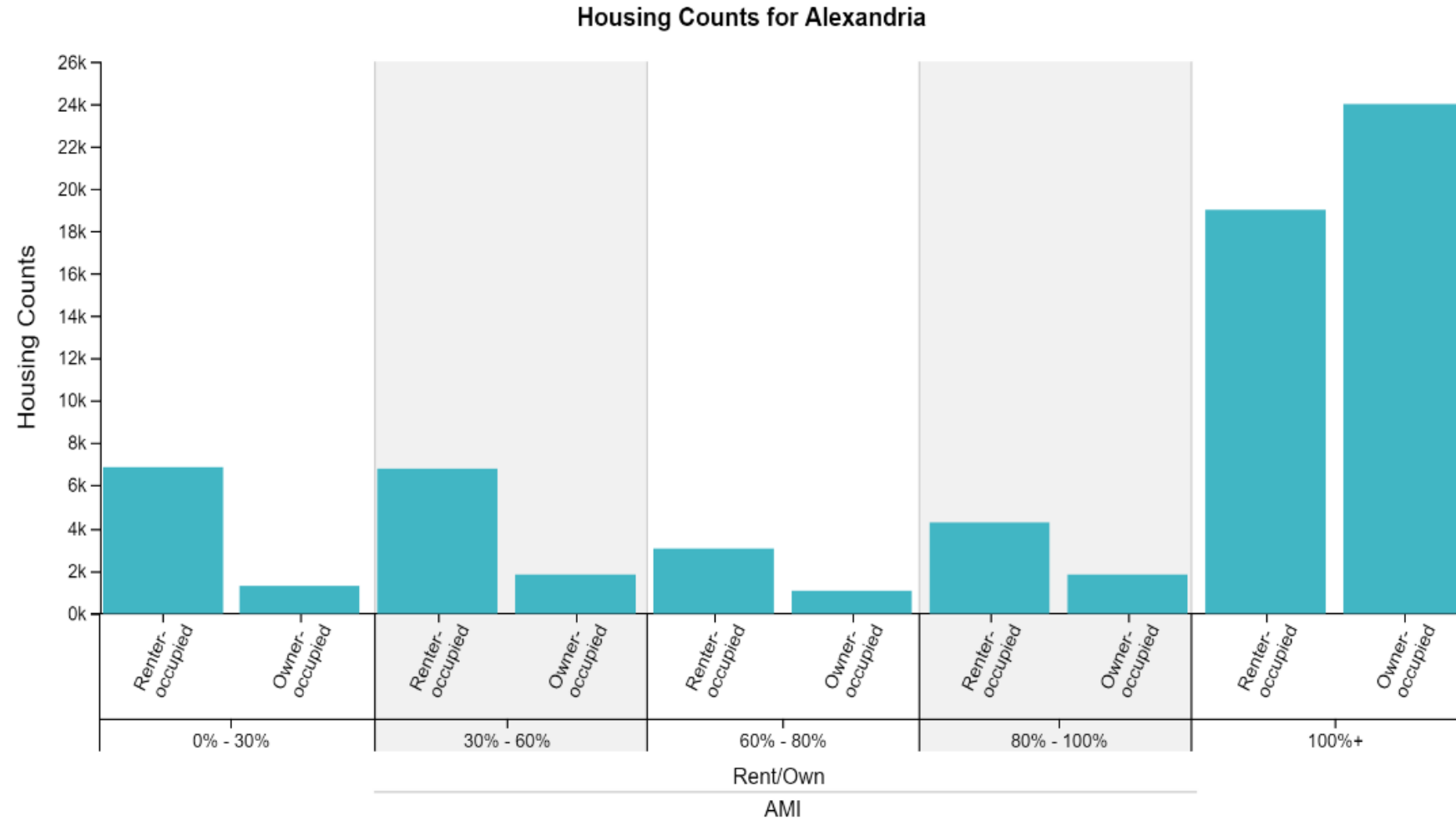
Avg. Annual Energy Cost for Alexandria



Alexandria

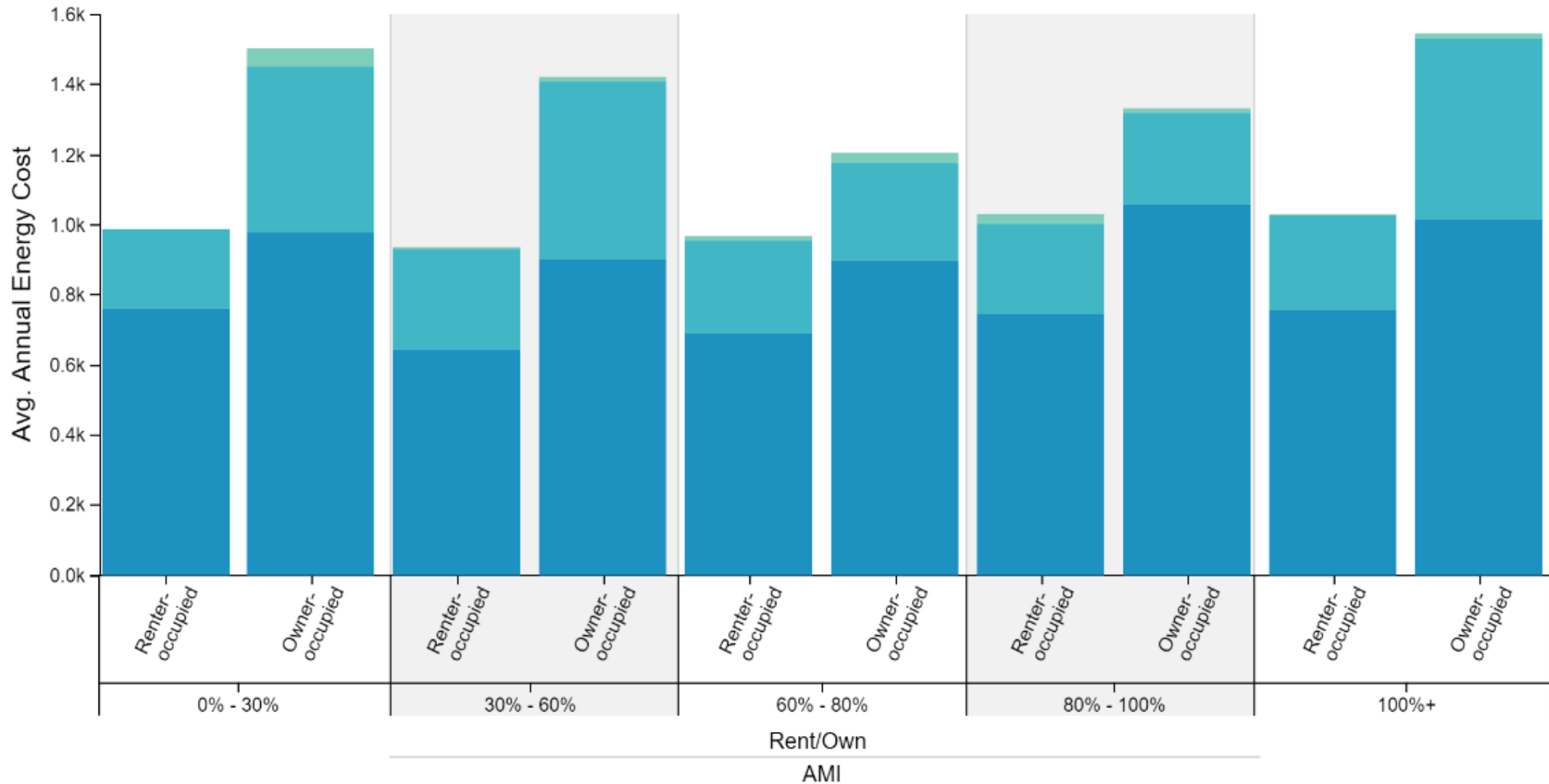
- Electricity
- Gas
- Other
- Avg. Energy Burden (% Income)

Renters & Homeowners



Alexandria
● Housing Counts

Avg. Annual Energy Cost for Alexandria



- Alexandria**
- Electricity
 - Gas
 - Other

Policy and Target

- Policy - Eliminate the higher energy burden of low and moderate income Alexandria households through efficiency and renewables
- Target - No Alexandria household should pay more than 1% of annual income on housing energy costs

Data Sources

- Energy Burden and Cost: United States Department of Energy's Low-Income Energy Affordability Data (LEAD) Tool (<https://www.energy.gov/eere/slsc/maps/lead-tool>)
 - 2018 energy burden and annual energy costs by State, City/County, and census tract
 - Data to be assessed based on ranges of household income (% of area medium income or % federal poverty level), fuel type, ownership or rental status, and other factors
- Median household income: Data USA (<https://datausa.io/profile/geo/washington-arlington-alexandria-dc-va-md-wv>)
 - Alexandria 2018 medium household income = \$96,733
 - DC-VA-MD-WV MSA 2018 medium household income = \$100,732