

EERE in Michigan Agriculture & Rural Communities

NASEO Annual Mtg
September 24, 2018



MI Agriculture & Rural Communities

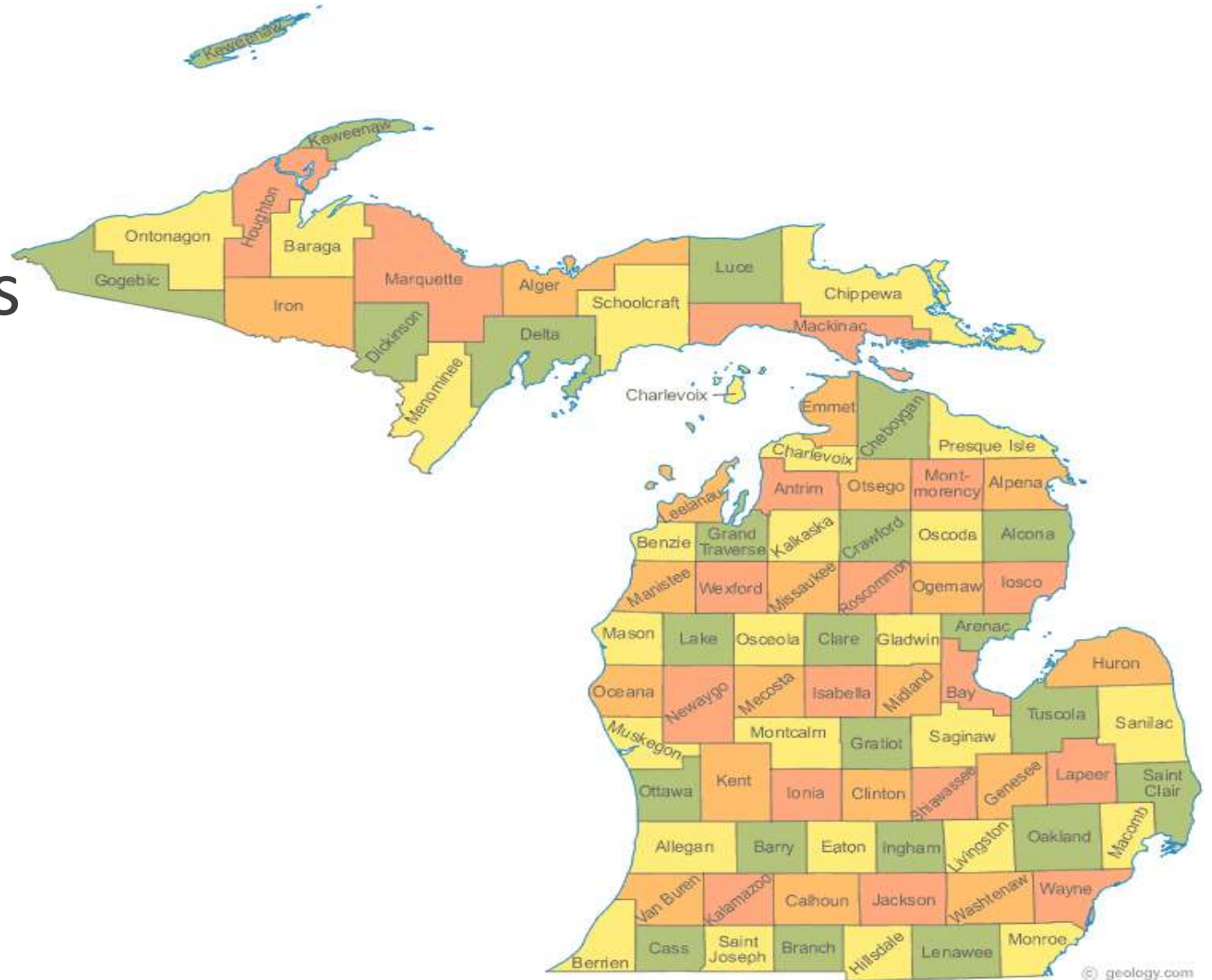
Michigan: 83 Counties

27 Urban

44 Mostly Rural

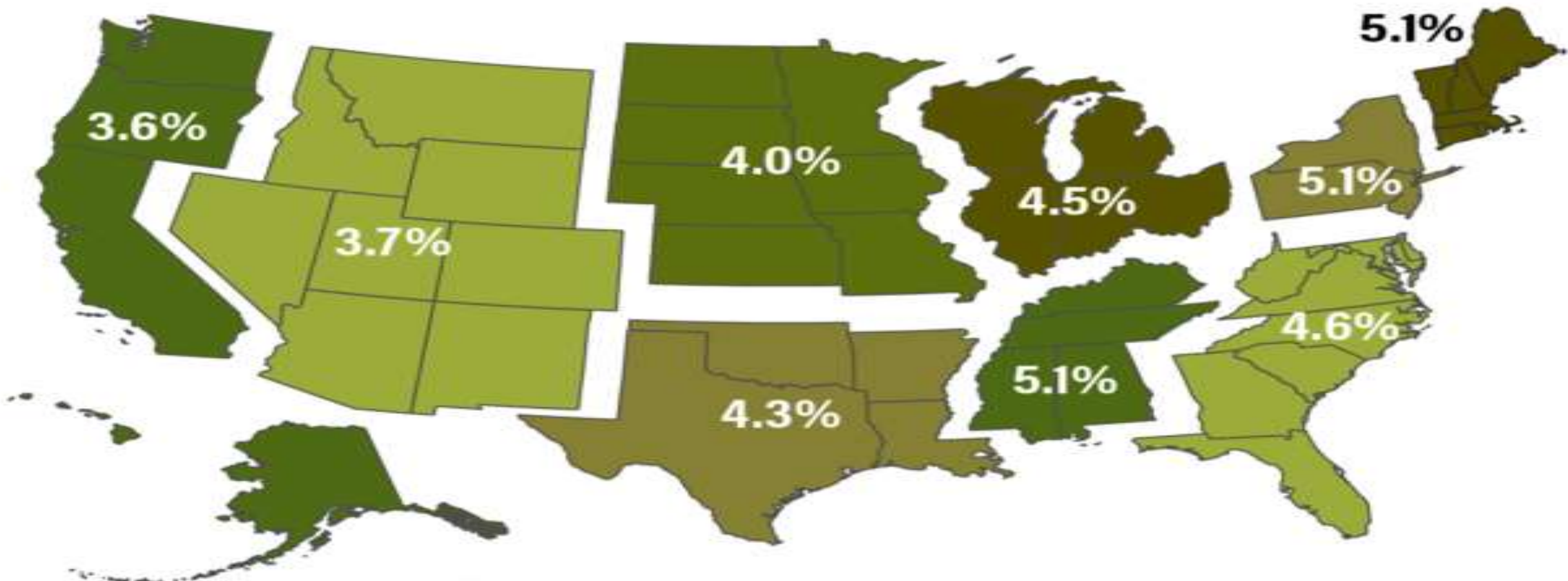
12 Rural

67% Rural



(US Census Data, 2015)

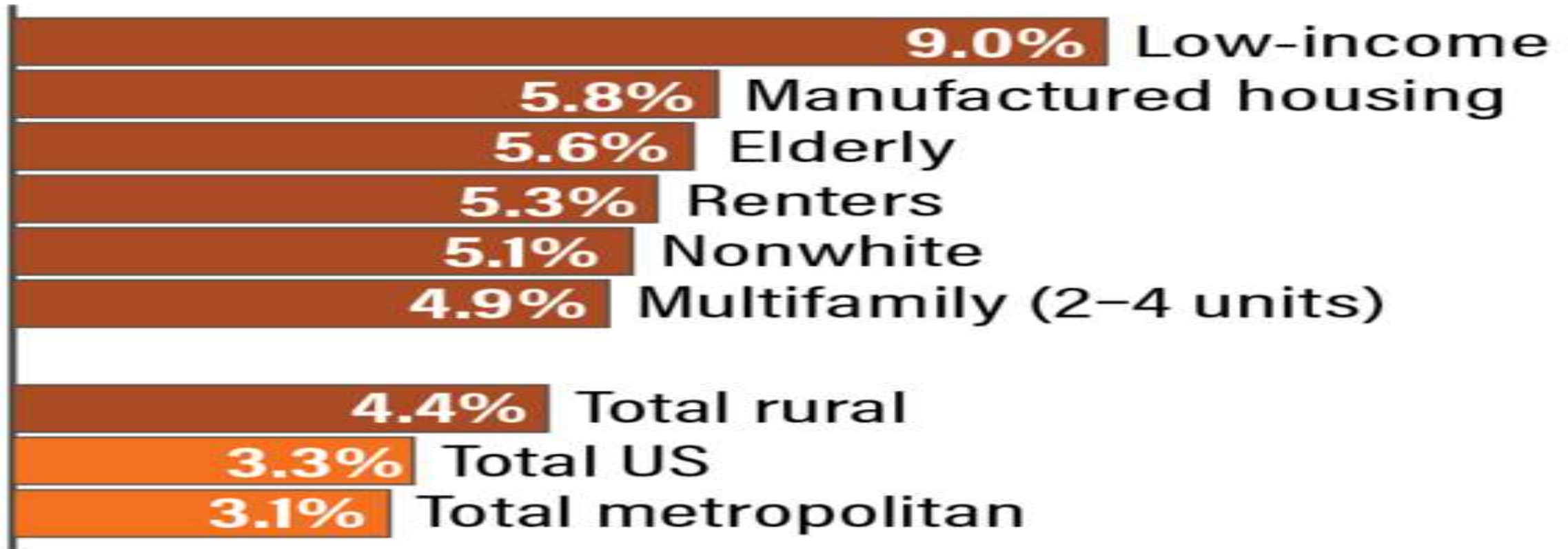
Rural energy burden by region



Energy burden: percent of income spent on energy bills

(ACEEE, 2018)

Rural energy burden by demographic*



*Based on national figures.

Energy burden: percent of income spent on energy bills

(ACEEE, 2018)

MEO
Ag/Rural
Related
Programs

Community Energy Management (CEM)

Clean Energy for Low Income Communities

Michigan Farm Energy Program

Ag & Rural Communities Energy Roadmap

Upper Peninsula EWR Plan

Energy Education/Outreach

Community Energy Management (CEM)

An approach to local planning prioritizing EERE in the community's broader vision for development.

CEM activities include:

- Benchmarking & Performance monitoring
- Metrics & targets
- EERE projects
- Project management & financing
- Planning/zoning/permitting
- Stakeholder engagement
- Public Outreach/Education
- Community & Business Development

Tools Available:

- *CEM Best Practices Guide*
- *CEM Strategy Guide*



Community Energy Management (CEM)

Helping communities accelerate the transition to, and use of, EWR/RE

Targeting Coal Plant closure/Rising Tide Communities/UP

Projects must benefit public sectors

- Rebates eligible to municipalities and school districts in low-income communities
- Benchmarking, audits, training staff, policy/planning updates, etc.
- Self-implemented or through third-party vendor

MI Clean Energy for Low Income Communities



MI Demonstrations:

- Cooperative
- Municipal
- Investor Owned

Pairs:

- Weatherization
- Income Eligibility
- EWR and Solar

Cherryland Cooperative Pilot Partners:

- US DOE,
- MEO, MPSC, DHHS
- NW Community Action Agency
- Cherryland Cooperative

MI CELICA - Cherryland Pilot Project

Project launched, Fall 2017

Serving 50 low income households

Eligibility criteria includes:

- Income at/below Federal poverty line
- Previously received weatherization services
- Own or rent their house, and designated as single-family
- Willingness to share energy data

Households enrolled on an annual basis

Solar generated through existing community solar array

UP EWR Plan



Upper Peninsula (U.P.) county commissioners expressed concern about the future of EWR programs, especially programs for low-income and small-business customers



Michigan Energy Office engaged PSC to build a business case for energy efficiency that considered:

- Historical success
- Savings potential
- Potential impact on energy affordability and economic development
- Opportunities for reducing cost and extending program reach



Upper Peninsula Commission for Area Progress is leading efforts to gather stakeholder input on a plan to develop recommendations and action plans based on feasibility and priorities of U.P. residents and businesses

Michigan Farm Energy Program



- Lack of auditors that understood agricultural operations and affordable and accessible auditors for rural businesses
- Created to train and certify farm & rural business energy auditors
- 2003-09: USDA REAP projects (MI ranked 46th)
- 2012-13: MI ranked 5th

Ag & Rural Communities Energy Roadmap



- Create research & stakeholder driven roadmap supporting EWR/RE development.
- Phases:
 - I - Inventory current policy/programs
 - II – Policy Assessment/Program Eval
 - III – Stakeholder Engagement/Roadmap dev.

Energy Education/Outreach

Financial and technical assistance for events that increase awareness of EWR/RE:

- Event Sponsorships
- Educational Technology Demonstrations
- Workshops
- Pilots
- Trainings

Thank you!

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