EGLE Energy Services Meeting Communities Where They Are



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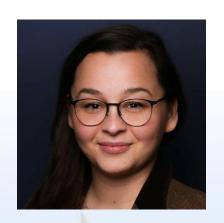
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A Family of Programs



MGC Challenge Accelerator Cohort Michigan Municipal League





Catalyst Leadership Circle (CLC) CLC Fellowship Sustainable Towns



What is MGC?



A sustainability benchmarking, networking, & technical assistance program for municipalities & counties



Accelerate environmentally sustainable actions by communities to enhance Michigan's livability & economic competitiveness in the 21st century global green economy



Benefits to Participating

- Free technical assistance
- Access to a peer network
- Easily create a roadmap of sustainability actions that work for your community

MGC Challenge Certification

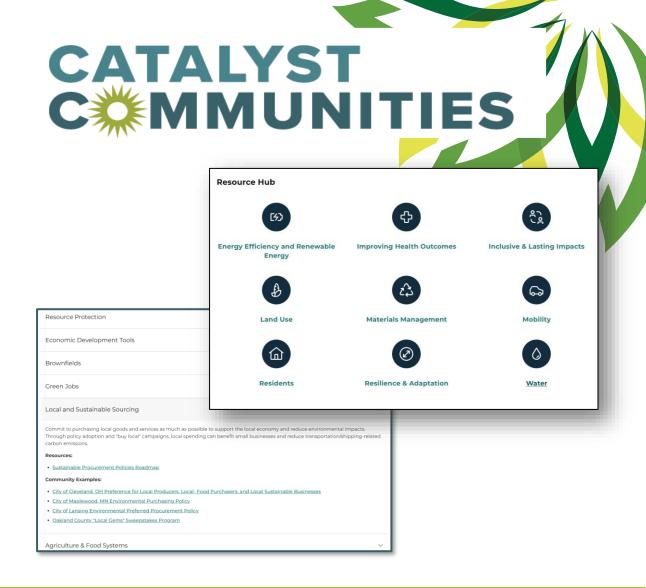




Bronze	20
Silver	60
Gold	100
Platinum	175 plus
New!	metrics

MGC Challenge Categories

- 1. Planning for Inclusive & Lasting Impacts
- 2. Climate Resilience & Adaptation
- 3. Energy Efficiency & Renewable Energy
- 4. Responsibly Managing Materials
- 5. Sustainable Land Use & Economic Development
- 6. Improving Health Outcomes
- 7. Protecting & Conserving Water Resources
- 8. Support Clean & Inclusive Mobility
- 9. Inspire & Mobilize Residents



Energy Efficiency & Renewable Energy

Sample Action Items:

- 1. Conduct energy audits on municipal/county facilities.
- 8. Adopt policies and/or ordinances that support renewable energy projects on private property.
- 10. Develop plan to upgrade/retrofit municipal/county buildings to improve energy efficiency.
- 21. Create and offer residents and/or businesses an opportunity to participate in a community renewable energy project (e.g. community solar park) if possible.



Template Sustainability Plan Resource Kit





migreencommunities.com/plan



Accelerator Cohort Bronze & Silver

- Focused modules, topics selected by participants
 - Green stormwater infrastructure, materials management, sustainable purchasing, energy auditing, resiliency planning
- Monthly workshops, 3-4 months at a time
- Subject matter experts, consultants, small group & one-on-one support



For Silver, Gold, & Platinum

Catalyst Leadership Circle (CLC)

- Meets every other month, usually virtually
- Biweekly resource email

CLC Fellowship

- Grad students from across the state help CLC
 Members complete advanced sustainability projects
- Project deliverables are shared on the Catalyst Communities resource hub and graham.umich.edu/clcf



Sustainable Towns



Connects local governments with U-M students to expand office capacity and elevate community sustainability efforts using MGC as a framework

Sustainable Towns

Semester 1:

- Students establish your community's sustainability baseline
- Help you identify sustainability goals
- Develop short-term work plans

Semester 2:

- Students further scope & implement these priority projects
- Position you for easy MGC Challenge submission & continued technical assistance

graham.umich.edu/project/sustainable-towns





Right Now: Energy Navigators Technical Assistance

- Rural & remote communities
- 10 40 hours TA from GPI
- Energy planning, funding strategy, and more
- Complete intake by July 15
- See handout



Sign up for June 4 webinar



https://bit.ly/3GI4mtP

Takeaways





Create MGC account/find your login credentials



Download templates at migreencommunities.com/plan



Visit Catalyst Communities



June 4 Energy Planning Webinar

Contact Information



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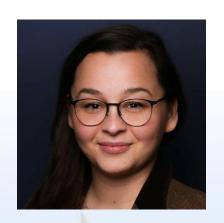
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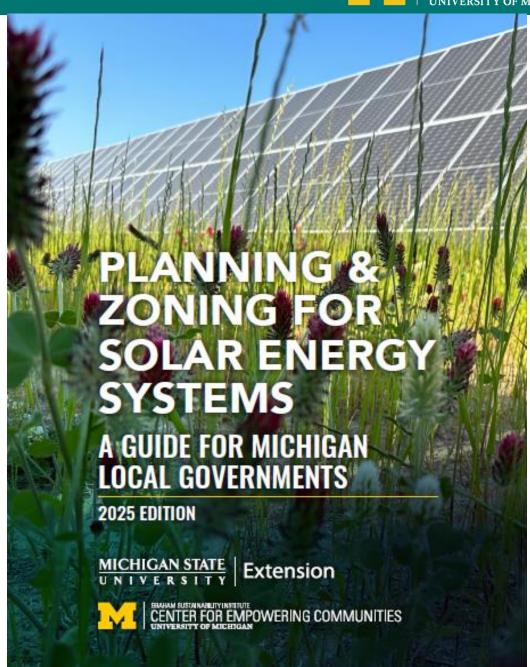
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Drum Roll Please....

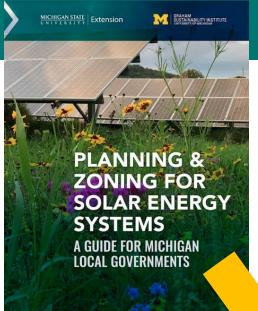


Updated Resource!

extension.msu.edu/solarzoning

Authors

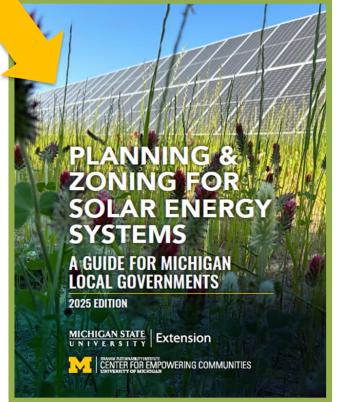
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2022

2025





What's changed? Legislation!

- PA 235 of 2023- 50% energy from renewables by 2030, 60% by 2035
 - Increases distributed energy generation cap to 10%
- PA 233 of 2023- MPSC certification option for permitting utility scale projects (CREO, Workable Ordinance)
- PA 108 of 2023- Payment in Lieu of Taxes (PILT) option for utility scale solar projects (may opt for standard depreciation)
- PA 230 of 2023- Solar panels permitted on land enrolled in PA 116, when conditions are met
- PA 68 of 2024: Homeowners Associations (HOA) cannot completely ban solar panels

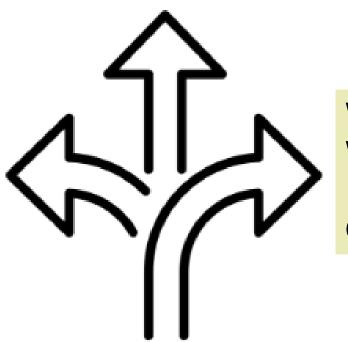




More on PA 233

- 50 MW+ for solar (200+ acres)
- New decision paths for zoning
- All other scales are still local!

MPSC: Michigan Public Service Commission CREO: Compatible Renewable Energy Ordinance CREO



WIO: Workable Incompatible Ordinance



Comparison of Zoning Pathways

- Pros and cons for each option
- Detailed table comparing:
 - Permitting Process
 - Location Control
 - Setbacks
 - Height
 - Sound
 - Screening
 - Groundcover
 - Decommissioning

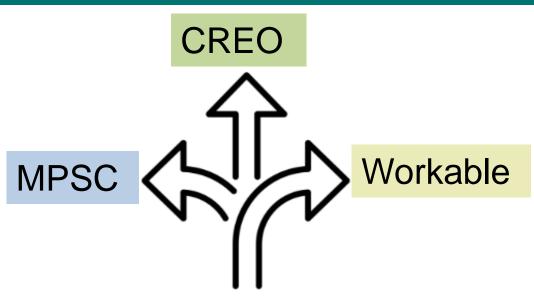


Table 3. Comparison of Zoning Items Between Zoning Pathways for Large SES

	Compatible Renewable Energy Ordinance (CREO)	MPSC	Workable Incompatible Ordinance (WIO)
Process	Use by right with site plan review by Zoning Administrator or Planning Commission [A]	Michigan Public Service Commission (MPSC) contested case [B]	Use by right with site plan review or special land use (SLU)
Location Control	All districts (General Provisions) [A]	Sec. 226(7)(f), Sec. 225(1)(n) All districts + Evaluation Criteria: 1) Will not unreasonably diminish prime farmland/ farmland devoted to specialty crops. 2) Shall consider feasible alternative development locations. 3) Shall consider the impact on local land use, including the % of land dedicated to energy generation.	Locally designated zoning districts or overlay as long as it provides ample and suitable land for development [C, D]



2025: New size classifications, suggested thresholds

Accessory: roof, ground mounted

Small: up to 5 MW

Medium: 5-50 MW

Large: over 50 MW

Example Zoning District	Resource Production / Agricultural	Low-Density Residential	Commercial / Office	Industrial	Medium- Density Residential	Mixed Use
Roof Mounted	Р	Р	Р	Р	Р	Р
Accessory Ground Mounted	Р	Р	Р	Р	Р	Р
Principal Use (Small) (e.g., up to 5 MW)	SPR	SPR/SLU	SPR	SPR	SPR/SLU	SPR
Principal Use (Medium) (e.g., 5-50 MW)	SLU	SLU	SLU	SPR/SLU	х	х
Principal Use (Large) (e.g., over 50 MW)	See Page XX for discussion of options in light of PA 233					

P = Permitted (zoning standards apply); SPR = Site Plan Review; SLU = Special Land Use; X = Not Permitted



Solar is Scalable: Urban to Natural Landscapes

Solar Energy System Type	Natural	Rural	Urban	General Urban
Accessory Roof Mounted				ip w w
Accessory Ground Mounted				444
Principal Use (Small)				1
Principal Use (Large)				

Figure 1. Examples of Solar Energy System Types Across Different Geographies



Figure 1 shows the type and scale of SES that exhibit predominant factors for compatibility in a given setting.



New Issues or Deeper Dives

- Zoning pathways-utility scale
- Dual siting with BESS, wind, solar
- Stormwater
- Ecovoltaics and agrivoltaics
- Residential scale (HOA, wall, roof, building integrated systems)
- Utilizing some definitions and options under PA 233





Sample Zoning Ordinance Language

ZONING

- All scales (small to large SES)
- General Provisions to SLU
- Fill in the blank options
 - Key local decision points
 - Suggestions
 - Local customization required
 - Commentary

SITE PLAN REVIEW (SPR)

- Sample ordinance language
- New (2025)
 - Stormwater Plan
 - Grading Plan
 - Complaint Resolution Plan



Planning and Zoning Resources: Battery Energy Storage Systems (BESS), Wind Energy (update 2026), Solar





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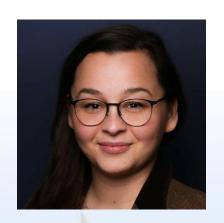
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Renewable Energy Academy Planning & Zoning Resources for Renewables

Madeleine Krol May 20, 2025

MAP 2025 Spring Institute: Renewable Energy Summit

What is the Renewable Energy Academy?

- REA is a one-stop-shop hub for large-scale renewable energy
- Offers a suite of resources to aid in the process of planning and zoning for renewable energy
 - Tailored training, webinars, workshops, connecting to experts & peers
 - Resources, guides, tools
 - Individual technical assistance for local officials and planners





Renewable Energy Academy Partners



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY











REA Workshop Series on PA 233

- 9 (of 14) regions; 320+ participants from local government representing 110+ jurisdictions;
 - Two additional workshops for planning consultants with MAP!
 - Recorded version of the workshop
- Basics of planning and zoning for large-scale solar, wind, battery storage
- Overview of the Act and zoning options for local govs
- Guided activities, peer-to-peer sharing







Join us after the keynote luncheon: Playing Your Cards Right – Navigating Permitting for Large Renewables





Resources on PA 233

- Overview of PA 233 slide deck & FAQs
- Checklists for local governments navigating:
 - the MPSC permitting process
 - the Compatible Renewable Energy Ordinance (CREO) Process
- Zoning resources:
 - Data on "Workable" Ordinances
 - Sample solar, battery storage language, annotated wind template (MSUE)
 - Sample CREO
- More resources on MPSC's page!









Individual training

6-part series with NEMCOG

- Introduction to Planning and Zoning for Renewables
- Advanced Training
- Four Zoning Nuts-and-Bolts
 Mini Workshops



Washtenaw County Resiliency Office

 Upcoming workshop on battery storage and solar, developing sample ordinance for the county

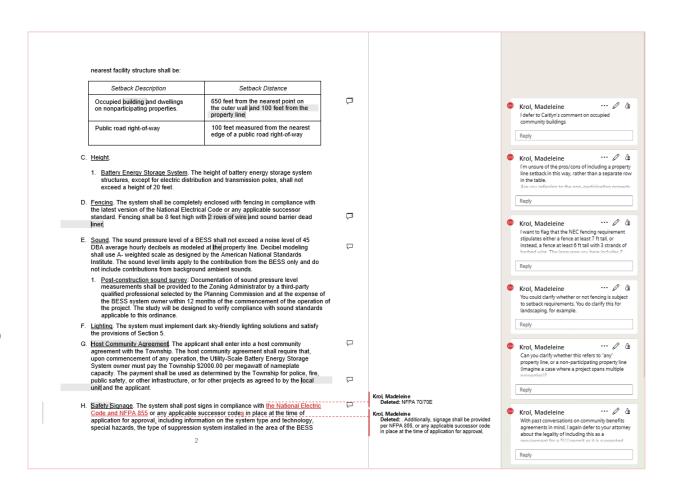
Training for local officials:

- Battery storage, solar, wind?
- PA 233, zoning, planning?
- Who else is collaborating?



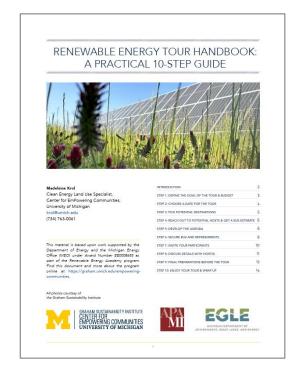
Review of zoning ordinances

- Comparing it to sample ordinance, PA 233
- How does this fit with planned goals?
- What's your intent? What message is this sending to developers?



Renewable energy site tours

- Bus tours with MAP since 2022
 - Lansing Tour with Ingham and Eaton Counties
 - Northern Michigan Tour with NEMOG
- Plan your own with 10-step handbook
- Next tour planned for August!

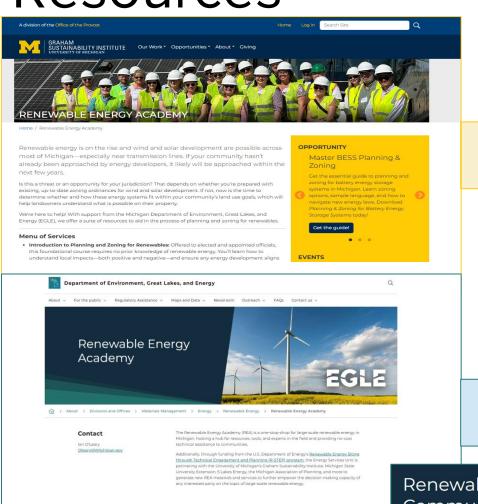








Resources



Planning & Zoning Funding Opportunities Clean Energy Information Bureau Our Team

Renewable Energy Academy Workshop



graham.umich.edu/rea



michigan.gov/egle/about/organization/ materials-management/energy

Renewables Ready Communities Award



Questions?

Reach out to me!

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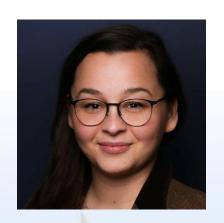
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