

Michigan Local Energy Survey (MiLES)

Fall 2019

Q1. What type of jurisdiction do you represent?

- County
- Township
- City
- Village

What is your jurisdiction's name? _____

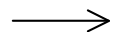
(If not a county) In what county is it located? _____

What position do you hold in the jurisdiction? _____

Q2. Thinking overall about topics related to energy, how relevant would you say the following issues have been or currently are for your jurisdiction's government?

	Not at all relevant	Not very relevant	Somewhat relevant	Very relevant	Don't know
Regulating placement of energy infrastructure (e.g., solar panels, wind turbines) on <u>private property</u> in your community	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Siting energy infrastructure on <u>public property</u> in your jurisdiction	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Planning for electric vehicle (EV) infrastructure (e.g., charging stations)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Improving energy efficiency for local businesses (including agriculture) or residents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Reducing your jurisdiction government's use of fossil fuels (e.g., in its electricity use, vehicle fleet, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

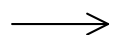
If you answered "not at all relevant" or "don't know" in all five topics, please skip to Q24 on page 5



Q3. (If you answered any "relevant" response in Q2) Again, thinking overall about topics related to energy, to what extent would you say your jurisdiction has considered or enacted any plans and/or policies regarding energy issues?

	Not at all	Very little	A moderate amount	Extensively	Don't know
<u>Considered</u> various plans / policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Developed</u> specific plans / policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Implemented</u> those plans / policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If you answered "not at all" or "don't know" for the first item above ("considered"), please skip to Q24 on page 5



PLEASE NOTE: THE FOLLOWING SECTION IS FOR RESPONDENTS WHO INDICATED THEY HAVE AT LEAST CONSIDERED ENERGY POLICIES IN Q3 ABOVE... ALL OTHERS SHOULD NOW SKIP TO QUESTION 24 OF THE QUESTIONNAIRE

Q4. Does your jurisdiction's government have a person or persons who are specifically responsible for addressing energy issues? (check all that apply)

- No, no one in the jurisdiction is specifically responsible for energy issues
- Yes, we have jurisdiction staff whose sole job responsibility is energy issues
- Yes, we have jurisdiction staff who have other job responsibilities in addition to handling energy issues
- Yes, we have elected official(s) who have taken ownership of energy issues

- We use external organizations or consultants on energy issues

- Don't know

Q5. How often would you say your jurisdiction engages with its residents on energy issues (i.e., through public events, mailers, email newsletters, on social media, etc.)?

- Rarely or never
- A few times each year
- Once a month or more

- Don't know

Q6. (If you selected "a few times each year" or "once a month or more" in Q5) Please briefly describe some of the ways your jurisdiction interacts with residents on energy issues, and how effective you think they have been.

Q7. Regardless of how frequently your jurisdiction engages with its residents on energy issues, which of the following resources, if any, do you think would be valuable to assist with your engagement? (check all that apply)

- None, we do not need any assistance with engaging residents on energy issues
- Newsletter article templates
- Sample neighborhood meeting materials/agendas
- Examples of social media posts (e.g., a schedule and content with links)
- Funds or grants for community engagement efforts
- Training for staff
- Other (please specify) _____

- Don't know

Next we are interested in local jurisdictions' planning and/or zoning on energy issues.

Q8a. (Please only answer if you are a township, city, or village official) Some jurisdictions engage in land use planning and/or zoning. Others rely on the county, or they don't plan and zone at all. Is your jurisdiction responsible for its own land use planning and/or zoning?

- Yes, our jurisdiction plans and/or zones for itself
- No, our jurisdiction neither plans nor zones for itself (skip to Q14) —————>
- Don't know (skip to Q14) —————>

Q8b. (Please only answer if you are a county official) Some counties engage in land use planning and/or have county-zoned townships. Other counties don't plan or zone at all. Does your county have a Master Plan and/or any county-zoned townships?

- Yes, our county plans and/or zones
- No, our county neither plans nor zones (skip to Q14) —————>
- Don't know (skip to Q14) —————>

Q9. (If your jurisdiction plans or zones) Now, thinking about your jurisdiction's current planning and/or zoning on energy issues, as far as you know, how do your plans and/or ordinances treat ...

	Our planning/zoning does not address	Our planning/zoning generally encourages	Our planning/zoning generally discourages	Don't know
... utility-scale wind energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
... rooftop solar panels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
... utility-scale solar energy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
... compact residential development as an energy-saving strategy?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q10. (If your jurisdiction plans or zones) Does your planning and/or zoning include any incentives for exceeding state energy efficiency standards or for attaining "Green Building" certification (e.g., LEED, ENERGY STAR, etc.) in private buildings?

- Yes No Don't know

Q11. (If your jurisdiction plans or zones) Regardless of how your planning and/or zoning currently addresses energy issues, would your jurisdiction be likely to take advantage of any of the following? (check all that apply)

- No, we do not need any planning assistance on energy issues
- Templates/examples for addressing energy issues in our Master Plan
- Sample zoning ordinances for addressing energy issues
- Workshops or training sessions on energy planning or zoning
- A "help desk" to call for help with planning and zoning on energy issues
- Matching funding for hiring consultants or staff
- Other (please specify) _____
- Don't know

Q12. (If your jurisdiction plans or zones) Looking ahead, how likely or unlikely is it that your jurisdiction will alter its approach to planning and/or zoning regarding energy issues within the next 12 months?

- | | | | | | |
|--------------------------|--------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|
| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely | Don't know |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q13. (If you selected "very likely" or "somewhat likely" in Q12) Briefly, in what ways do you think your jurisdiction's approach to planning and/or zoning for energy will change in the next 12 months?

Now we have a few questions on electric vehicle (EV) policies.

Q14. Has your jurisdiction considered or adopted any policies to fund or incentivize the use of electric vehicles (EVs), either for your jurisdiction's own vehicles or for the public (for example, installing/planning for charging stations)?

- Have not considered EV policies
- Are currently considering EV policies
- Have considered, but will not enact
- Have considered, and plan to enact
- Have enacted EV policies
- Don't know

Q15. (If you selected "plan to enact" or "have enacted" in Q14) Which of the following types of electric vehicles do your jurisdiction's policies target? (check all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Residents' private cars or trucks | <input type="checkbox"/> Municipal light duty vehicles | <input type="checkbox"/> Other municipal vehicles |
| <input type="checkbox"/> Commercial vehicles (e.g., delivery trucks) | <input type="checkbox"/> Police vehicles | <input type="checkbox"/> Don't know |
| <input type="checkbox"/> Buses (e.g., public transit, school buses) | <input type="checkbox"/> Fire vehicles | |

Q16. To the best of your knowledge, are there any publicly-accessible electric vehicle (EV) charging stations in your jurisdiction?

- Yes No Don't know

Q17. Whether or not your jurisdiction currently has publicly-accessible EV charging stations, in your opinion, would you say your community has too many, too few, or about the right amount?

- Too many
- About the right amount
- Too few
- Don't know

Q18. Next, thinking about public lands in your community, as far as you know, has your jurisdiction considered the pros and cons of placing solar panels in the following locations in the jurisdiction?

	No, have not considered	Currently considering	Yes, and we <u>support</u>	Yes, and we <u>oppose</u>	Not applicable	Don't know
Rooftops of public buildings in your jurisdiction (including over wastewater facilities)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public brownfields	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public landfills	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Public airports	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other public lands in your jurisdiction (e.g., right-of-way, parkland)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q19. Does your jurisdiction currently have any renewable energy goals or requirements to offset...

	No goals or requirements	Currently considering	Yes, we have goal(s)	Yes, we have requirement(s)	Don't know
... energy use by your jurisdiction's government?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
... energy use by the entire community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q20. (If you selected "considering" or "yes" in Q19) Is your jurisdiction considering or already implementing any of the following strategies to meet its renewable energy goals or requirements? (check all that apply)

- Developing own renewables on public land
- Developing own renewables on private land
- Privately-owned renewables on public land
- Purchasing additional renewable energy through utility
- Other (please specify) _____
- Don't know

Q21. (If you selected "considering" or "yes" in Q19) Are there any resources or state-level policy changes that the State of Michigan could offer that would assist your jurisdiction in meeting its renewable energy goals or requirements?

Next, we have a few questions about energy use in public and private buildings in your community.

Q22. As far as you know, does your jurisdiction currently collect data about energy use...

	Yes, we require it	Yes, on a voluntary basis	No, we do not collect data	Don't know
... in public buildings in the jurisdiction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
... in private buildings in the jurisdiction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q23. (If you selected "yes" in Q22) In which of the following ways, if any, does your jurisdiction use that data on energy use in public and private buildings? (check all that apply)

- We do not currently use the data that is collected
- To evaluate cost savings of energy improvements
- To prioritize upgrades/spending
- To create a standard for new construction
- As information to figure out what additional incentives to provide for current buildings
- Other (please specify) _____
- Don't know

PLEASE NOTE:
RESPONDENTS WHO COMPLETED THE PREVIOUS 3 PAGES SHOULD NOW SKIP TO QUESTION 31 OF THE QUESTIONNAIRE
THOSE RESPONDENTS WHO SKIPPED THE PREVIOUS 3 PAGES SHOULD CONTINUE WITH QUESTION 24

Q24. Which of the following factors, if any, would you say are barriers to your jurisdiction developing specific energy policies?

	A significant barrier	Somewhat of a barrier	Not much of a barrier	Not a barrier at all	Don't know
Lack of interest among residents	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of interest among local officials	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Costs associated with developing energy policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lack of expertise to develop energy policies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other priorities are more important at this time	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q25. Even if your jurisdiction is not considering local energy policies at this time, how likely or unlikely is it that you will begin looking at energy issues within the next 12 months?

- | | | | | | |
|--------------------------|--------------------------|-----------------------------|--------------------------|--------------------------|--------------------------|
| Very likely | Somewhat likely | Neither likely nor unlikely | Somewhat unlikely | Very unlikely | Don't know |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q26. (If you selected "very likely" or "somewhat likely" in Q25) Which of the following energy issues do you think your jurisdiction is likely to consider within the next 12 months? (check all that apply)

- Regulating placement of energy infrastructure (e.g., solar panels, wind turbines) on private property in your community
- Siting energy infrastructure on public property in your jurisdiction
- Planning for electric vehicle (EV) infrastructure (e.g., charging stations)
- Improving energy efficiency for local businesses (including agriculture) or residents
- Reducing your jurisdiction government's use of fossil fuels (e.g., in its electricity use, vehicle fleet, etc.)
- Other (please specify) _____
- Don't know

Q27. If more resources (e.g., funding, technical assistance, workshops, etc.) were readily available to your jurisdiction, do you think that would make a difference in your consideration or adoption of local policies regarding energy?

- No, it would not make a difference
- Yes, somewhat of a difference
- Yes, a significant difference
- Don't know

Q28. (If you selected "yes" in Q27) Please tell us what resources might make your jurisdiction more likely to consider local policies regarding energy.

Q29. Now thinking specifically about electric vehicles (EVs), to the best of your knowledge, are there any publicly-accessible EV charging stations in your jurisdiction?

- Yes No Don't know

Q30. Whether or not your jurisdiction currently has publicly-accessible EV charging stations, in your opinion, would you say your community has too many, too few, or about the right amount?

- Too many
- About the right amount
- Too few
- Don't know

PLEASE NOTE: ALL RESPONDENTS SHOULD PLEASE PROCEED WITH THESE FINAL 2 PAGES OF THE QUESTIONNAIRE

Q31. To the best of your knowledge, have any energy audits (i.e., measuring energy use and efficiency) been conducted for the following types of facilities in your community?

	Yes	No	Not applicable (we don't have this type of facility)	Don't know
Jurisdiction hall/county administration building	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fire station(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Police station(s)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Water treatment facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Wastewater treatment facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q32. (If no energy audits have been conducted on any public facilities) What are some of the reasons energy audits have not been conducted on local public facilities? (check all that apply)

- Insufficient funding to conduct energy audits
- Insufficient funding to act on the results of any audits
- Insufficient information about the energy audit process
- Not a priority for the jurisdiction
- Other (please specify) _____
- Don't know

Now we have a couple of questions about residential and commercial construction in your community. The Michigan Uniform Energy Code, initially adopted in 2003, requires that all new residential and commercial buildings meet minimum energy efficiencies.

Q33. To the best of your knowledge, do you agree or disagree that building inspectors who operate in your jurisdiction struggle to enforce the current energy codes set by the State of Michigan?

- | | | | | | |
|--------------------------|--------------------------|-------------------------------|--------------------------|--------------------------|--------------------------|
| Strongly
agree | Somewhat
agree | Neither agree
nor disagree | Somewhat
disagree | Strongly
disagree | Don't
know |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q34. (If you selected "strongly agree" or "somewhat agree" in Q33) Please briefly describe why local building inspectors struggle to enforce the current Energy Codes. Are there any resources that would help assist in enforcement?

Q35. To what extent do you think the State of Michigan's Energy Codes should be strengthened or eased?

- | | | | | | |
|-------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Significantly
strengthened | Somewhat
strengthened | Remain
unchanged | Somewhat
eased | Significantly
eased | Don't
know |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q36. (If you selected "significantly strengthened" or "somewhat strengthened" in Q35) Currently, individual local governments do not have the authority to set energy codes that are more strict than the State of Michigan's. But how interested would you say your jurisdiction might be in setting local energy codes that are stronger than the State's if it had the authority to do so?

- | | | | |
|--------------------------|--------------------------|--------------------------|--------------------------|
| Not at all
interested | Somewhat
interested | Very
interested | Don't
know |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Q37. (If you selected "very" or "somewhat interested" in Q36) Are there any specific ways in which your jurisdiction would want to set stronger local energy codes?

Q38. Now we are interested in whether Michigan local governments collaborate with each other on energy and sustainability policy. Please identify which statement below best describes your jurisdiction's status on each issue.

	No interest in intergovernmental collaboration	Don't currently collaborate, but would be interested	Currently collaborate with other jurisdictions	Don't know
Green purchasing programs for the jurisdiction (e.g., for light bulbs, cleaning supplies, vehicles, etc.)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Non-motorized or public transportation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Recycling programs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shared staffing for energy issues (e.g., sustainability manager/coordinator)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (please specify) _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Finally, we would like to briefly get your views on climate issues.

Q39. In your view, is climate change a very serious problem, somewhat serious, not too serious, or not a problem at all?

Very serious problem	Somewhat serious	Not too serious	Not a problem at all	Don't know
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q40. For each level of government below, please indicate whether you think it should have a great deal of responsibility, some responsibility, or no responsibility for taking actions to address climate change.

	A great deal of responsibility	Some responsibility	No responsibility	Don't know
Federal government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State government	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Local governments	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Q41. All of your survey responses will be reported in aggregate form only so that your individual answers will remain confidential. However, if you are interested in being contacted (by U-M or by the State of Michigan) about resources to help your jurisdiction regarding any of the following topics, please check the topic(s), and then provide your contact information below. (check all that apply)

- | | |
|--|--|
| <input type="checkbox"/> Communication with local businesses (including agriculture) and residents about energy issues | <input type="checkbox"/> Local energy codes and/or flexibility on the state Energy Codes |
| <input type="checkbox"/> Planning/zoning for energy infrastructure (e.g., solar panels, wind turbines) | <input type="checkbox"/> Energy audits or benchmarking for public buildings |
| <input type="checkbox"/> Siting energy infrastructure on public property in your jurisdiction | <input type="checkbox"/> Electric vehicle (EV) policies and infrastructure |
| <input type="checkbox"/> Enacting or implementing renewable energy requirements/goals | <input type="checkbox"/> Energy-related funding opportunities |

Q42. In addition, the Department of Environment, Great Lakes, and Energy (EGLE) is developing a program to pay college students to work with local Michigan communities on energy issues/projects. Would you be interested in being contacted about participating in such a program?

Yes No

Q43. CLOSUP will protect your privacy and anonymity to the full extent provided by law. We need to confirm your personal information such as name, email address, and phone number for tracking and administrative purposes only, or if you indicated you would like to be contacted on a particular issue. As with all of the questions in this survey, these are optional.

Your name _____ Your email address _____
 Your phone number _____ Today's date ____ / ____ / 2019

We would like to ask some demographic questions. As with all of the questions in this survey, these are optional. Responses will be reported in aggregate form only so that your individual responses will remain confidential.

Q44. What is your gender? Male Female Self-describe _____

Q46. What is your age? _____

Q45. What is the highest degree or level of school you have completed?

- | | |
|--|--|
| <input type="checkbox"/> 12 th grade or less/no diploma | <input type="checkbox"/> Bachelor's degree |
| <input type="checkbox"/> High school graduate or GED | <input type="checkbox"/> Master's degree |
| <input type="checkbox"/> Some college, no degree | <input type="checkbox"/> Professional/Doctorate degree |
| <input type="checkbox"/> Associate's degree | |

Q47. Which of the following best describes your political beliefs?

- | | |
|--|---|
| <input type="checkbox"/> Very conservative | <input type="checkbox"/> Very liberal |
| <input type="checkbox"/> Somewhat conservative | <input type="checkbox"/> Somewhat liberal |
| <input type="checkbox"/> Moderate | <input type="checkbox"/> Don't know |