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?

<table>
<thead>
<tr>
<th>Issue</th>
<th>Not at all relevant</th>
<th>Not very relevant</th>
<th>Somewhat relevant</th>
<th>Very relevant</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regulating placement of energy infrastructure (e.g., solar panels, wind turbines) on private property in your community</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Siting energy infrastructure on public property in your jurisdiction</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Planning for electric vehicle (EV) infrastructure (e.g., charging stations)</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Improving energy efficiency for local businesses (including agriculture) or residents</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Reducing your jurisdiction government’s use of fossil fuels (e.g., in its electricity use, vehicle fleet, etc.)</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th>Action</th>
<th>Not at all</th>
<th>Very little</th>
<th>A moderate amount</th>
<th>Extensively</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Considered various plans / policies</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Developed specific plans / policies</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td>Implemented those plans / policies</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
</tbody>
</table>

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

If you have any questions, please contact: closup@umich.edu / (734) 647-4091
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 …

<table>
<thead>
<tr>
<th>... utility-scale wind energy?</th>
<th>Our planning/zoning does not address</th>
<th>Our planning/zoning generally encourages</th>
<th>Our planning/zoning generally discourages</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>... rooftop solar panels?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... utility-scale solar energy?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... compact residential development as an energy-saving strategy?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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)

- [ ] Residents’ private cars or trucks
- [ ] Commercial vehicles (e.g., delivery trucks)
- [ ] Buses (e.g., public transit, school buses)
- [ ] Municipal light duty vehicles
- [ ] Police vehicles
- [ ] Fire vehicles
- [ ] Other municipal vehicles
- [ ] Don’t know

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?

<table>
<thead>
<tr>
<th>Location</th>
<th>No, have not considered</th>
<th>Currently considering</th>
<th>Yes, and we support</th>
<th>Yes, and we oppose</th>
<th>Not applicable</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rooftops of public buildings in your jurisdiction (including over wastewater facilities)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public brownfields</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public landfills</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Public airports</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other public lands in your jurisdiction (e.g., right-of-way, parkland)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Goal/Requirement</th>
<th>No goals or requirements</th>
<th>Currently considering</th>
<th>Yes, we have goal(s)</th>
<th>Yes, we have requirement(s)</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>... energy use by your jurisdiction’s government?</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... energy use by the entire community?</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

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...

<table>
<thead>
<tr>
<th>Energy Use</th>
<th>Yes, we require it</th>
<th>Yes, on a voluntary basis</th>
<th>No, we do not collect data</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>... in public buildings in the jurisdiction?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>... in private buildings in the jurisdiction?</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Factor</th>
<th>A significant barrier</th>
<th>Somewhat of a barrier</th>
<th>Not much of a barrier</th>
<th>Not a barrier at all</th>
<th>Don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lack of interest among residents</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack of interest among local officials</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Costs associated with developing energy policies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lack of expertise to develop energy policies</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other priorities are more important at this time</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (please specify)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th>Likelihood</th>
<th>Very likely</th>
<th>Somewhat likely</th>
<th>Neither likely nor unlikely</th>
<th>Somewhat unlikely</th>
<th>Very unlikely</th>
<th>Don't know</th>
</tr>
</thead>
</table>

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) ___________________________ ___________________________ __________________

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
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?

<table>
<thead>
<tr>
<th>Facility Type</th>
<th>Yes</th>
<th>No</th>
<th>Not applicable (we don't have this type of facility)</th>
<th>Don't know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jurisdiction hall/county administration building</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fire station(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Police station(s)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Water treatment facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Wastewater treatment facilities</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other (please specify)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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.

<table>
<thead>
<tr>
<th>Issue</th>
<th>No interest in intergovernmental collaboration</th>
<th>Don’t currently collaborate, but would be interested</th>
<th>Currently collaborate with other jurisdictions</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green purchasing programs for the jurisdiction (e.g., for light bulbs, cleaning supplies, vehicles, etc.)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Non-motorized or public transportation</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Recycling programs</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Shared staffing for energy issues (e.g., sustainability manager/coordinator)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Other (please specify)</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

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?

<table>
<thead>
<tr>
<th>Severity</th>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>Very serious problem</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Somewhat serious</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Not too serious</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Not a problem at all</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Don’t know</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Government</th>
<th>A great deal of responsibility</th>
<th>Some responsibility</th>
<th>No responsibility</th>
<th>Don’t know</th>
</tr>
</thead>
<tbody>
<tr>
<td>Federal government</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>State government</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Local governments</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

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)

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

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

- 12th grade or less/no diploma
- High school graduate or GED
- Some college, no degree
- Associate’s degree
- Bachelor’s degree
- Master’s degree
- Professional/Doctorate degree

Q46. What is your age? ______________________

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

- Very conservative
- Somewhat conservative
- Moderate
- Somewhat liberal
- Very liberal
- Don’t know