

Environmental Sustainability

OPTION 1

Pillar 1: Waste Minimization and Resource Efficiency

This pillar focuses on reducing waste, promoting recycling, and encouraging responsible resource use.

- Plastic Bag Ban/Incentives to Reduce
- REDUCE – Inventory consumables and look for ways to reduce waste.
- Food Waste Compost - especially restaurants & grocery stores
- Compost Pilot Program to reduce food and yard waste in landfill.
- Small Composting Initiative – sharing or giving away kits so households can do it
- Provide opportunities for residents to use wood chips from trees removed.
- Reduce fertilizer and biosolid (PFAS?) use.
- Build to last, avoid specific single-use buildings (IE Carvana)
- City CO2 offsets
- Turn Lawns into meadows and/or rain gardens.

Pillar 2: Clean Energy and Emission Reduction

This pillar emphasizes transitioning to clean energy, reducing greenhouse gases, and promoting energy efficiency.

- Greenhouse Gas Inventory
- Evaluate Current Electric Vehicle (EV) infrastructure and create a plan for additions.
- EV/Hybrid Fleet
- Schedule energy audits at buildings
- Set a goal for achieving net zero emissions by 2050/2040 and create a progress report.
- Community Solar
- New Construction rooftop solar ordinance/incentive
- eBike Charging stations.
- Community Heat Exchanges (?)

Pillar 3: Sustainable Infrastructure and Natural Environment Preservation

This pillar is centered on sustainable building practices, maintaining biodiversity, and protecting natural resources.

- Green Initiatives Program that provides incentives for sustainable buildings
- Rainwater Collection for irrigation
- Road Salt use reduction
- Minimize hard surface run-off.
- Woodland/wetland inventory updates
- Invasive Species elimination
- Deer population control
- Traffic flow, reduce idling.

Pillar 4: Community Engagement and Education

This pillar focuses on educating the community and fostering collaboration to promote sustainability.

- Podcast on Environmental Sustainability series.
- Lecture Series – Take advantage of MSU/UofM being neighbors to have public talks.
- Flyer education for residents about recycling
- Do a City Council volunteer water cleanup/related activity to promote sustainability.
- Host a Novi Earth Day event for residents.
- Connect in Nature – try to host meetings in green spaces.
- Create KPIs that measure progress in sustainability.

These pillars not only organize the goals effectively but also create distinct focuses for action and engagement.