

Climate Action Plan (CAP)

2025-26 Progress

Peter Wills, Government Relations and
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APOLLO 17



2026
ARTEMIS II



Climate Action Team

- LeighAnn Mikesell, Deputy City Manager
- Dan VanderHeide, Public Works Director
- Peter Wills, Government Relations and Strategic Operations Director



CAP Summary

- **Roadmap to achieve net-zero emissions by 2040!**
- Positions the city to **secure funding and adopt energy solutions** in sustainability.
- Plan is a **living document**, evolving to meet future challenges and opportunities.



Five Focus Areas

- | | |
|-------------------------------------|--------------------------|
| 1. Buildings and Facilities | 24 proposed Action Items |
| 2. Vehicles | 15 proposed Action Items |
| 3. Waste | 13 proposed Action Items |
| 4. Land Use & Resilience | 21 proposed Action Items |
| 5. Implementation | 23 proposed Action Items |

18 Objectives > 96 Recommended Actions



Buildings and Facilities – Focus Area

Energy Performance Contract (Johnson Controls)

- Identify and create savings for public projects, including water meter replacements

Building Energy Benchmarking – (Data Tracking)

- MI Green Building Collaborative (MiGBC) via ENERGY STAR Portfolio Manager

Potential Projects of Focus

- City Hall roof replacement
- Central Fire roof replacement
- City Hall chillers
- EV charging stations

Opportunities: energy improvement savings to DPW and other municipal assets; tracking of energy consumption trends



Waste – Focus Area

1. Printing Reduction -> Going Digital
2. Credit for paperless billing
3. City/County Partnership Grant for Recycling Compactor Location
 - County-wide recycling center at the Solid Waste facility
 - Grant funds would purchase two compactors for plastic and cardboard.
 - City would create a 24/7 recycling drop-off space with compactors for plastic and cardboard at the DPW facility.

Opportunities: composting, recycling, reduction of single use plastics and more



Land Use and Resilience – Focus Area

Urban Tree Canopy Inventory -> **14,140 Trees on City Land!**

- Total benefits over 20 yrs - \$3.2M in value
- 9.1M lbs of carbon dioxide captured
- Storm water mitigation – runoff avoided 67M gal
- Storm water mitigation – rainfall intercepted 372K lbs
- Air pollution removal – ozone 3.2M ounces

Tree City USA (Arbor Day Foundation)

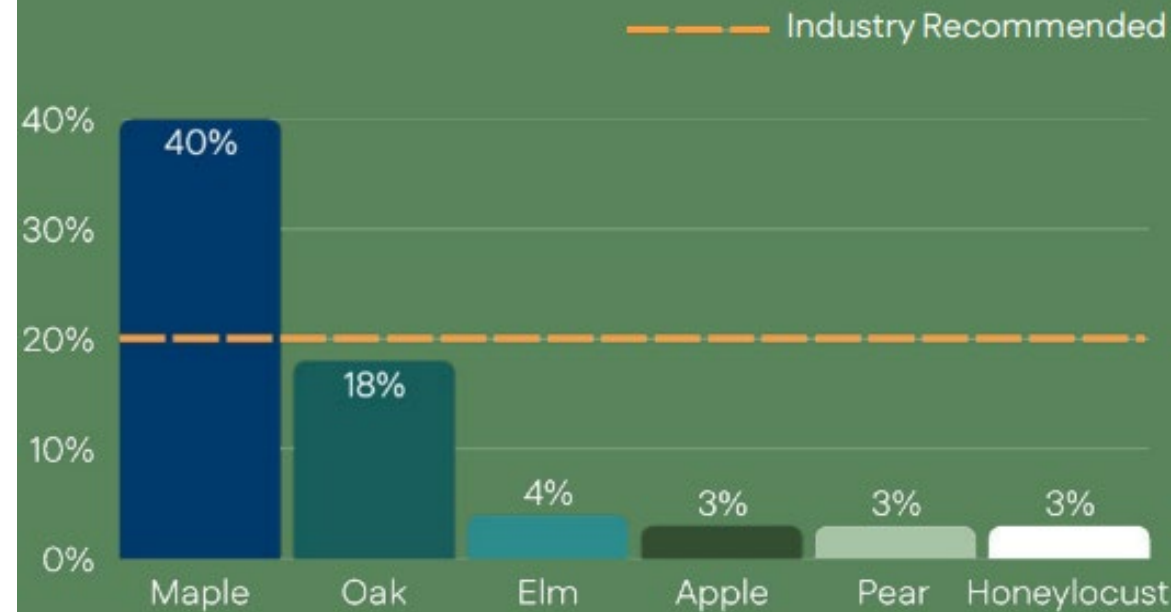
MSU Tree Nursey Research Grant

Kruse Dune Grass

Opportunities: tree removal policy for every tree removed that two trees are replaced; native tree plantings; mowing reduction; pollinator habitats

20% Rule: Tree Diversity by Genus

CITY OF MUSKEGON TREE INVENTORY



2025 Davey Resources Group City of Muskegon Tree Inventory

Implementation – Focus Area

- CAP Staff Team Meetings
- Wade Trim, Inc. - Leverage funding for CAP actions
- Monitor and evaluate progression of CAP actions
- Integrate CAP priorities into city operations, plans, policies, and decisions

Opportunities: funding opportunities, data collection and tracking



What's Next for Climate Action

- Interactive dashboard
- Strategic CAP priorities
- Identifying resources
- Stay engaged at: mkgcity.com/cap

