

Commissioner Chris Trubac
Barbara Andersen
Nichole Biber
Fred Cowles
Sarah Mullkoff
Claire Nowicki
Matthew Lincoln
Brenda Gray

THE ENVIRONMENTAL AFFAIRS COMMISSION WILL MEET ON NOVEMBER 15, 2023 AT 5:30 PM IN CONFERENCE ROOM D AND E OF THE HUMAN SERVICES BUILDING, 5303 S. CEDAR, LANSING.

Agenda

Call to Order

Approval of Draft Minutes

Additions to the Agenda

Limited Public Comment

1. Michigan Clean Cities EMPOWER Workplace Charging Program (*Discussion*)
 - a. Presentation – Maggie Striz Calnin, Director, Michigan Clean Cities
2. Materials Management Plan (*Update*)
3. Sustainability Action Plan (*Update*)

Announcements

Public Comment

Adjournment

ENVIRONMENTAL AFFAIRS COMMISSION

September 27, 2023

Draft Minutes

Members Present:, Andersen, Cowles, Mulkoff, Trubac, Nowicki,

Members Absent:, Biber, Lincoln, Gray

Others Present: Morgan Feldpausch, Elaine Fischhoff, Alyssa Johl, Rachel Prettenhofer, Iyla Shornstein

The meeting was called to order by Commissioner Trubac at 5:30 p.m. in Conference Room A of the Human Services Building, 5303 S. Cedar Street, Lansing Michigan.

Approval of Draft Minutes

The minutes were approved.

Additions to the Agenda

None.

Limited Public Comment

None.

1. Center for Climate Integrity (Presentation)

Alyssa Johl and Iyla Shornstein from the nonprofit *The Center for Climate Integrity (CCI)* gave a presentation on the organization's work regarding the climate crisis. CCI has documentation showing oil companies knew climate change was an issue in the 60s and funded a disinformation effort to conceal it or spread doubt of its certainty. They discussed ongoing court cases around the country that are aimed at making climate polluters pay and/or ceasing disinformation. Some cases are also aimed at consumer fraud and cost recovery.

Rulings/resolutions on these cases will likely take years.

The commission discussed the possibility of Ingham County joining this type of litigation, although there is uncertainty about what that would look like.

2. Sustainability Action Plan Request for Proposals (Update)

Morgan Feldpausch developed a Sustainability Action Plan using Milwaukee's plan as a template. Morgan discussed several aspects of the plan including Community emissions reduction goals, Scope of services, Social Equity and Justice, Stakeholder and Community Engagement, health in All polices, Alignment and Consistency. The commission discussed the plan and determined it was consistent with its goals and priorities.

Anderson left the meeting at 6:30pm.

3. Commission Bylaws

MOVED BY COWELS, SUPPORTED BY NOWICKI TO ADOPT THE BYLAWS AS PRESENTED.

THE MOTION CARRIED UNANIMOUSLY

Announcements

None.

Public Comment

None.

Adjournment

The meeting was adjourned by Chairperson Trubac at 6:36 pm.



EV Charging for Facilities

The destination becomes the fueling station.

September 21, 2023



What we'll cover

1. Your Facility as a Fueling Site: EV Charging Basics
2. Benefits of Destination Fueling/Charging
3. Help from Clean Cities and Communities coalitions
 1. The EMPOWER project
4. Key Considerations
5. Wrap up



EMPOWER
WORKPLACE CHARGING

Why Destination Charging? Value.

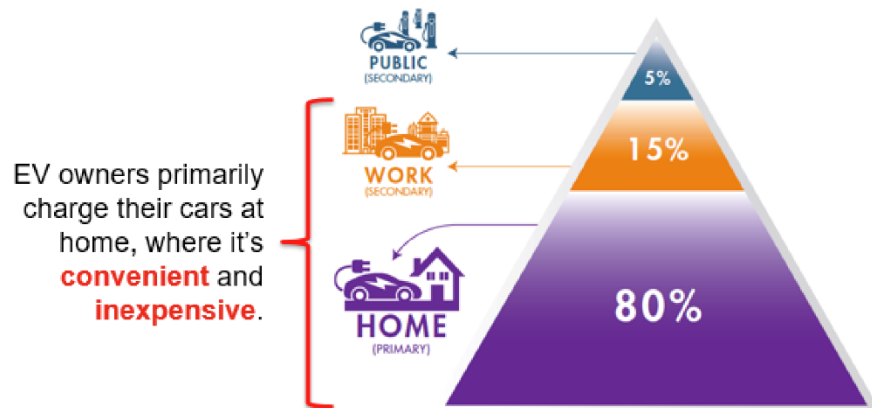
- It's a new site amenity that people want – stay attractive.
- Attract & retain top talent
 - Improve employee satisfaction
- Demonstrates climate leadership
 - Earn certification points for local and national programs (e.g., LEED).
 - Document quantifiable metrics for your ESG and Sustainability reports.



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WORKPLACE CHARGING

3

Where do EV users ACTUALLY need chargers?



Source: www.energy.gov



EMPOWER
WORKPLACE CHARGING



Support for Your Journey toward Destination Charging



EMPOWER providers are your one-stop-shop for resources, tools, coaching, and connections related to EV charging



Objective: Increase facility commitments for EV charging, especially in underserved areas



Objective: Support an increase career pathways in the EV charging industry, especially with underrepresented populations.



Recognize publicly facilities with EVchargers



EMPOWER
WORKPLACE CHARGING

ADA Compliance

- Resources exist to help you not only meet, but exceed expectations related to the Americans with Disabilities Act.
 - Spaces
 - Signage and surface marking
 - Ease of use
 - Site design
 - Equipment choice



Figure 4.3 - Example of charging station next to ADA parking spot



EMPOWER
WORKPLACE CHARGING

ADA Compliance

- Resources exist to help you not only meet, but exceed expectations related to the Americans with Disabilities Act.
 - Spaces
 - Signage and surface marking
 - Ease of use
 - Site design
 - Equipment choice



EMPOWER
WORKPLACE CHARGING

Considerations (partial)

- What time of day and day of the week will employees most want access to charging?
- How many charging stations are needed to meet anticipated demand?
- Should employees pay a fee for workplace EV charging?
- Should charging stations be accessible to the public?
- Will the number of chargers installed be enough to satisfy employee demand?
- What will this cost?
- How long will a project take?
- What equipment should I consider purchasing?
- How can I meet ADA?



EMPOWER
WORKPLACE CHARGING

Next Steps

1. Connect with your personal Workplace Charging Coach (WCC) (Us!)
2. Your coach can work with your facility to survey your stakeholders (co-workers/employees) to gauge demand, etc.
3. You and your coach will create a plan of action

Types of technical assistance your WCC can provide:

- Educate decision makers and stakeholders on the basics of EV and charging
- Connect decision makers with local experts such as the proper utility rep, EVSE equipment providers, and installers (and more!)
- Host workshops and events to get stakeholders excited about EVs and destination charging
- Work with HR departments to develop charging policies and procedures
- Provide recognition for participating facilities as an “EV Friendly Workplace” and through joint press releases



EMPOWER
WORKPLACE CHARGING

Workplace Charging Resources

WorkplaceCharging.com

- Sample Workplace Charging survey
- Strategy guidance

AFDC.energy.gov

- Emissions Reduction Workplace Charging benefits
- Greed Building Certification guidance
- Workplace Charging Case studies by industry
- Employer Workplace Charging toolkit

Clean Cities & Communities Coalitions

- EV 101 resources
- Engaged practitioners who can help guide your program design

CHECKLIST

- Contact you local Clean Cities**
Connect with all the latest in electrifying news. Useful planning and easy to use EV tools and find great ways to tour the state, regionally, and nationally.
- Connect with your Work Place**
Begin the conversation with your valued team at your workplace. Ask if they would use workplace charging if your workplace offered the option.
- Connect with Power Providers**
Find your utility provider and ask for a site analysis. Remember! Plan to expand your charging options and consider now the opportunity to do business with electric fleets.
- Make A Work Electric Plan**
Let us help! Our expert staff is here to direct to all our resources to ensure you are on the road to success!



EMPOWER
WORKPLACE CHARGING

Thank you!



Michigan Clean Cities

Your Personal Workplace Charging Coach:

Mr. Jamie Leonard

jamesL@nextenergy.org

313-833-0100

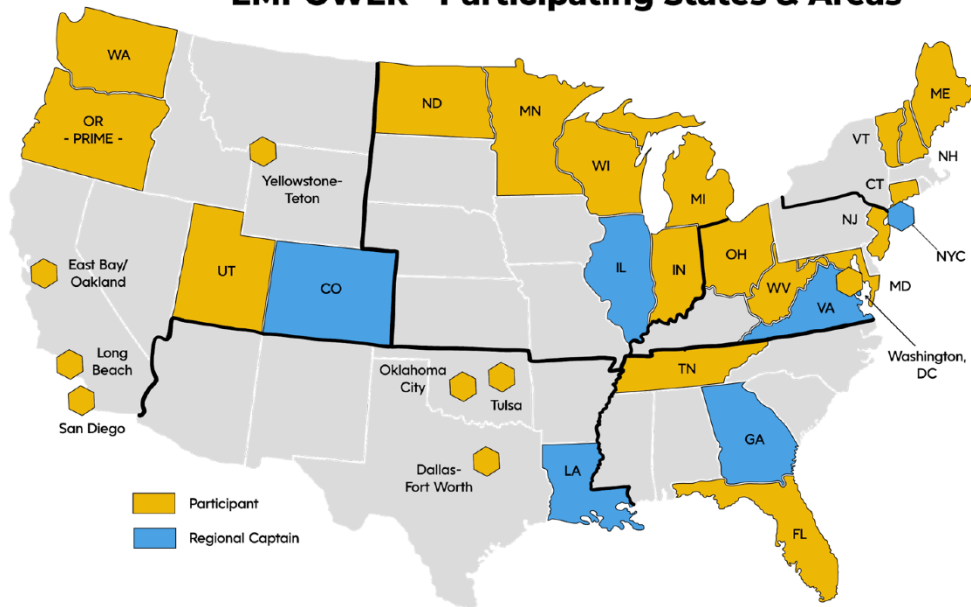
www.WorkplaceCharging.com

www.michigancleancities.org



EMPOWER
WORKPLACE CHARGING

EMPOWER - Participating States & Areas



EMPOWER
WORKPLACE CHARGING



EMPOWER
WORKPLACE CHARGING

Access to Charging Where
We Live, Where We Play,
and Most Importantly,
Where We Work!

EMPOWER:

Equitable **M**obility **P**owering **O**pportunities
for **W**orkplace **E**lectrification **R**eadiness



As federal, state, and regional investments continue to build toward an electric-fueled future, where to “plug in” is a topic most electric vehicle (EV) drivers are familiar with. Workplace charging (WPC) provides great convenience for EV owners and, in some cases, is essential for commuters that do not have access to charging at home.

As an employer, you have a unique opportunity to capitalize on Federal, State, and local utility support for WPC. Demonstrating your workplace’s corporate leadership and sustainability commitment while providing enhanced employee benefits.

PROJECT GOALS:

- **2,000 Workplaces Engaged**
- **Over 40% of Workplace Charger Install Commitments from Workplaces of Diverse Backgrounds or Settings**
- **3,500 EV Charger Ports Installed**

FIRST AND ONLY EQUITY-FOCUSED, NATIONWIDE WORKPLACE CHARGING PROJECT

The EMPOWER WPC project is catalyzing WPC adoption by connecting with workplaces nationwide, reducing barriers through education and technical assistance, and creating a one-stop shop for helpful workplace-focused resources.

As the first and only equity-focused, nationwide WPC project in the United States, our project focuses assistance in workplaces located in or employing members of communities that have experienced historical disinvestment. Employees in these communities are more likely to face fundamental barriers to accessing at-home EV charging. And when

estimates show 80% of EV charging today happens at home, EMPOWER is reducing barriers to these employees accessing EVs and the economic benefits of driving electric.

Funded by the U.S. Department of Energy and managed by the Columbia-Willamette Clean Cities Coalition, in partnership with East Tennessee Clean Fuels, the project partners with over 30 Clean Cities Coalitions across the country to foster relationships with local workplaces and provide ongoing support for workplaces to take their WPC project from start to finish.

EMPLOYER BENEFITS



RESOURCES AND RECOGNITION

Workplaces partnering with EMPOWER have access to local and national EV specialists. Resources include best practices for installing WPC, developing internal employee programs, connections to local utilities and incentives, and access to answers.

A key component of EMPOWER is providing recognition for workplaces' installations through a wide variety of local and national channels. Success stories of partner workplaces will be shared to highlight sustainability leadership and encourage other employers to install EV charging at their workplaces successfully.

CONNECT WITH YOUR LOCAL CLEAN CITIES COALITION TODAY!

Employers can partner with EMPOWER by signing a nonbinding letter of interest to install WPC. Connect with your local Clean Cities Coalition, which will work with you at every step to provide tailored resources, tools, technical support, and recognition of your employee EV charging commitment.



EMPOWER
WORKPLACE CHARGING

www.workplacecharging.com

CONTACT EMPOWER TO GET STARTED

Contact us using the below QR code or emailing EMPOWER at

empower@cwcleancities.org



Scan the QR Code
to Learn More!



A Columbia-Willamette Clean Cities-led project in partnership with East Tennessee Clean Fuels



MICHIGAN CLEAN CITIES IS A PROUD PARTICIPANT IN THE
US DEPARTMENT OF ENERGY CLEAN CITIES INITIATIVE

CELEBRATING 20 YEARS OF IMPACT TOWARD
ENERGY, ECONOMIC, AND ENVIRONMENTAL SECURITY
THROUGH LOCAL CLEAN TRANSPORTATION PROJECTS

Your honest partner for clean fleet operations

Michigan Clean Cities (MICC) is your local, trusted resource to help you plan and act on modernizing your fleet. We provide answers and hands-on opportunities to use clean fleet solutions, then connect you with resources to cut out of pocket costs to adopt technologies and practices.

Get Ahead of the Curve

Our team can help you understand which equipment, vehicles, fuels, and more are available to meet your operational needs.

MICC members receive useful information, have access to answers from the national laboratory network, analysis support, and receive help to find and pursue grants and incentives.

Lori Welch, City of Lansing Sustainability Manager

"Membership in MICC has helped us to draw more funding for our clean fleet and public EV charging efforts than we could have managed alone."



Get your Clean Fleet Cheat Sheet

MICC will meet with your team to understand your operations and goals, analyze various fuel and vehicle options, and provide you recommendations and next steps to get to a carbon neutral fleet operation.



Network for Peer to Peer learning

MICC events (online and in-person) offer fun ways to share ideas and learn together with your peers.

Join our next Clean Cities Stakeholder Meeting. Register at www.michigancleancities.org

REACH OUT TODAY



313-833-0100



contact@michigancleancities.org



michigancleancities.org

Clean Cities coalitions act locally in **urban, suburban, and rural communities** to foster the nation's economic, environmental, and energy security and move our transportation systems into the clean energy future.



Coalition projects have resulted in a cumulative impact in energy use equal to nearly **12 billion** gasoline gallon equivalents resulting from reduced fuel use and increased fuel diversity.¹



Enough to drive the distance to the sun and back **1,540** times



Enough fuel to fill nearly **1.49 million** tanker trucks



Clean Cities coalitions have forged partnerships with more than **20,000 stakeholders** nationwide. Through their collective efforts, they are transforming local and regional transportation markets and offering consumers additional transportation choices.²

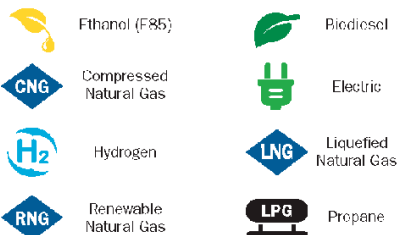


DOE VTO transportation projects are competitively awarded and cost-shared. Coalition-supported projects have historically leveraged almost **2:1** in matching funds and in-kind contributions from private and public sector partners.³

Coalition projects have helped to put more than **1 million alternative fuel vehicles** on the road.²



Coalitions contribute to the expansion of alternative fueling station infrastructure. More than **51,000 fueling stations** nationwide now provide at least one of these fuel types:



Find alternative fueling stations near you at: afdc.energy.gov/stations

88 million gasoline gallon equivalents

of energy were saved through fuel economy improvement projects like telematics, driver training, and outfitting fleets with idle reduction equipment.²



Vehicle miles traveled reduction projects avoided over **26 million hours** of driving.⁴



EMPOWER WORKPLACE CHARGING PLEDGE



The EMPOWER project seeks to accelerate the interest and support for Workplace Charging nationwide and to ensure the benefits of electrification are distributed equitably. EMPOWER is a U.S. Department of Energy-funded project which aims to achieve greater electric vehicle (EV) sales nationally, increase energy resiliency, reduce greenhouse gases, and lower barriers to electric vehicle adoption by increasing the number of employers currently offering workplace charging to their employees. Employers can pledge to join as EMPOWER Workplaces, signaling a commitment to provide EV charging access for employees. Employers who participate in EMPOWER range from organizations that are just assessing employee need for charging to those who have successfully launched workplace charging programs. No matter what size your organization is or where your organization is in the workplace charging evaluation and implementation process, EMPOWER can offer benefits along the way.

	Workplace Responsibilities	Clean Cities Responsibilities
Commit	Sign Workplace Charging Pledge document: <ul style="list-style-type: none"> ● Identify one primary contact, if applicable ● Identify one public relations contact ● Ensure senior-level commitment to workplace charging 	Provide informational resources and technical assistance to support the EMPOWER Workplace in their pledge to install workplace charging and add them to the EMPOWER database.
Assess	Assess charging demand at worksite.	If charging stations have not yet been installed, Clean Cities can provide technical assistance to aid with EMPOWER Workplace's efforts to assess employee demand for charging.
Collaborate	Work with local Clean Cities to minimize barriers and smooth the way forward towards managing a successful workplace charging program.	Clean Cities will communicate upcoming funding possibilities and work to cultivate a relationship between the local power company and the EMPOWER Workplace.
Communicate	Publicly announce support of workplace charging within six months of completing a Site & Feasibility Assessment.	As the EMPOWER Workplace establishes a successful workplace charging program, Clean Cities will report these accomplishments for promotion at events, in press releases, and digital outreach on the local, regional, and national levels.
Share	Report workplace charging progress and plans to Clean Cities on a periodic basis.	Throughout the life of EMPOWER, Clean Cities will establish a network of EMPOWER Workplaces to foster information exchange and bolster the development of workplace charging.
Install	Provide evidence of workplace installation to Clean Cities.	Collect evidence of workplace charger installation and report this back to the EMPOWER project.

Workplace Charging Pledge: My organization is committed to the growth of plug-in hybrid and electric vehicle charging in America’s workplaces and hereby pledges to complete, when feasible, the requirements listed above.

Senior Executive Signature

Date

Print Name

Title

Primary Point of Contact Information

Company: _____

Address: _____

Name: _____

Title: _____

Phone Number: _____

E-mail: _____

Public Relations Point of Contact Information

Name: _____

Title: _____

Phone Number: _____

E-mail: _____

Ingham County
Environmental Affairs Commission
Materials Management Planning (MMP)
Overview and Initial Development Options Outline

Summary

A Materials Management Plan (MMP) is required for each county in Michigan, once indicated by the Department of Environmental, Great Lakes, and Energy (EGLE). Each county will be required to have an MMP to achieve goals and identify or create capacity per the new law. The new County MMP will replace the County's solid waste management plan. The goals of MMP's are:

- Protecting the environment and public health;
- Ensure that managed materials (recyclables, organic materials, and solid waste) are sustainably managed to achieve benefits for the economy, communities, and the environment; and
- Ensure that all managed materials generated in the planning area are collected and recovered, processed, or disposed at materials management facilities that comply with the law.

This entire process is initiated by the EGLE director through a letter, the timeline in regards to when this process will begin is unclear at this time. The County is required to reply to this letter by submitting a Notice of Intent (NOI), which should outline the County's chosen course of action from the following options: **declining to prepare an MMP, preparing an individual MMP, or preparing a multi-county MMP.**

Funding

Funding will be available to develop an MMP under MMP Grants. Grants will be available to those counties that file a notice of intent to prepare a new MMP (both individual and multi-county). Grant funding is intended to provide a base amount of funding to supplement the costs for preparing, implementing, and maintaining MMPs.

- Base amount of \$60,000 for each county.
- An additional \$10,000/county for multi-county plans.
- \$0.50 per capita, up to \$300,000 will be available in the first three years to cover the higher upfront costs of initiating the new planning process (in addition to the base amount).

Funds can be used for preparing, implementing, and maintaining an MMP. The MMP development costs takes precedence.

Synopsis

1. Identify all materials management facilities and available capacity.
2. Focus on utilization capacity.
3. Determine a Municipal Solid Waste (MSW) recycling rate.
4. Develop materials management goals for utilization and recycling.
 - a. Organics, Recyclables, and other diversion activities
 - b. Benchmark Recycling Standards
5. Contains an enforceable mechanism and responsible parties for implementing the MMP.
6. Ensures materials management facilities that are needed can be developed and provides avenue for siting of NEW facilities (Material Utilization Facilities (MUFs); Waste Diversion Centers; etc.).
 - a. Includes local regulations used in the siting process.
7. Includes an overview of the transportation infrastructure for all managed materials.
8. Documents an implementation strategy.
9. Annual MMP Grants and regional funding incentives

Core Required Elements

<p>Measurable Goals</p> <ul style="list-style-type: none"> • Municipal solid waste recycling rate • Benchmark recycling standards • Material utilization and reduction activities
<p>Implementation Strategy</p> <ul style="list-style-type: none"> • Identify resources needed, how those resources will be obtained, and promotional activities <ul style="list-style-type: none"> ○ How the benchmark recycling standards will/are being met ○ Timetable <p>Public Involvement</p>
<p>Baseline Data: Collection, identification and calculation</p> <ul style="list-style-type: none"> • Recycling rate • Population – current/projected, demographics, etc. • Identification of managed materials generated (types, tonnage, etc.) • Capacity <p>Infrastructure Evaluation and Capacity Calculations</p> <p>Inventory and Descriptions of Existing Facilities</p> <ul style="list-style-type: none"> • Facility Acknowledgments
<p>Facility Requirements and Siting Process/Requirements:</p> <p>Enforceable Mechanism</p> <p>Stakeholder Identification and Responsibilities</p> <p>Education and Outreach (ongoing)</p>

Initial Process

EGLE Director initiates Materials Management Plans

Within 180 days

Determine who will be responsible as the CAA

CAA corresponds with adjacent counties

Develop Interlocal or other agreements (if applicable)

CAA files Notice of Intent (NOI)

36 month clock to complete plan begins

Within 30 days of filing NOI

Send copy of NOI to all County Municipalities

Publish NOI in newspaper, media, etc.

Request Municipalities to add NOI to websites

Within 180 days of filing NOI

CAA identifies DPA (**Within 120 days of filing NOI**)

CAA appoints MMPC

DPA develops Work Program w/MMPC

MMPC approves Work Program

EGLE approves Work Program

Eligible for MMP grant

Acronym Explanations:

CAA – County Approval Agency

The County Board of Commissioners or elected county executive, municipalities within the county, or the regional planning agency may assume responsibility for a planning area. This responsible entity becomes the CAA.

DPA – Designated Planning Agency

Appointed by the CAA. Serves as the primary government resource in the planning area for information about the MMP. Limited limitations/unclear guidance as to identity/membership of this agency.

MMPC – Material Management Planning Committee

Appointed by the CAA. General purpose is to identify planning area priorities and direct the DPA for MMP preparation. High limitations/clear guidance as to membership of this committee (specifically outlined in law).

Initial Development Options:

Option: Decline to Prepare an MMP

Summary: The County may choose not to develop a Materials Management Plan. This is also assumed by the State of Michigan if the County does not provide a response to the State of Michigan's letter of request.

If the County chooses not to prepare the MMP, the option for planning is then defaulted collectively to the local municipalities within the planning area or to the regional planning authority - whoever responds first is granted the authority to develop the County's Material Management Plan.

Alternatively, if the local municipalities or the regional planning authority choose not to develop the plan or do not respond to the State's letter of request, the State may either develop the plan themselves (as an individual county or a multi-county plan) or ask another county/group of counties to develop the County's plan as part of a multi-county plan.

Analysis:

Pros:

- Rescued local administrative burden
- Potential state expertise and compliance assurance
- Potential for avoidance of local costs for development
- Alternative leadership - Local municipalities and the regional planning agency are provided the opportunity to develop the plan

Cons:

- Uncertainty
- Loss of County control – limited/no input
- Potential for loss of local control
- Potential for misalignment with County goals, needs, and preferences
- Less tailored solutions and potential for lack of local expertise
- Potential for reduced community engagement/local involvement
- Implementation and operational challenges (the County will still be required to implement the plan)
- Grant ineligibility and missed funding opportunities for implementation (County)

Option: Develop an MMP - Individually

Summary:

The County may choose to prepare a Materials Management Plan independently. Prior to filing a notice of intent to prepare an MMP, counties will be required to consult with their neighboring counties to determine the potential for collaboration – regardless of their intent to prepare an MMP individually.

Analysis:

Pros:

- Highest level of certainty
- Administrative simplification and balance
 - Potential for shorter timeline
 - Potential for reduced costs
- Highest level of local/internal control and local autonomy
- Potential for alignment with County goals, needs, and preferences
- Leadership opportunity
- Local expertise
- Grant eligibility
 - Development
 - Potential implementation

Cons:

- Less holistic approach
- Potential opportunity loss for partnership/relationship building
- Loss of eligibility additional limited grant funding
- Increased administrative burden compared to declining to plan

Option: Develop an MMP – Multicounty

Summary:

The County may choose to develop a multi-county Materials Management Plan with neighboring/adjacent counties. Prior to filing a notice of intent to prepare an MMP, counties will be required to consult with their neighboring counties to determine the potential for collaboration.

If the Boards of Commissioners of multiple counties agree, they can jointly develop a Materials Management Plan for their planning area (creating a single MMP) – Multi-county MMPs are subject to the same approval procedures as single-county MMPs

Counties are required to consult with all adjacent counties but counties do not have to be contiguous to develop a multi-county plan.

Analysis:

Pros:

- Eligibility for additional limited grant funding
 - Development
 - Potential implementation
- More holistic approach
 - Potential for efficient resource allocation and coordination – potential cost savings
 - Comprehensive problem solving
 - Potential for broader regional impact
- Ease of and potential to leverage local expertise
- Potential for Increased Funding Opportunities
- Partnership/relationship building

Cons:

- Administrative complexity
 - Potential to require additional staff and resources
 - Prolonged timeline
- Coordination challenges and barriers
 - Conflicts of interest
 - Different priorities, considerations, and objectives
 - Equity and fairness concerns
 - Historical precedent
- Potential for loss of local autonomy