

Get the most out of your EECBG

Energy Efficiency and Conservation
Block Grants

May 24, 2023



WHAT THE HECK IS AN EECBGG???

- Department of Energy program
- Originally created in 2009
- \$2 billion allocated in the American Recovery and Reinvestment Act



WHAT THE HECK IS AN EECBG???

- Department of Energy program
- \$550 million allocated in the Infrastructure Investment and Jobs Act
- Vouchers options added
- Mandates completion of Energy Efficiency and Conservation Strategies



Who is eligible to receive EECBG—and how much?

CITIES AND TOWNSHIPS

- Over 200,000 in population

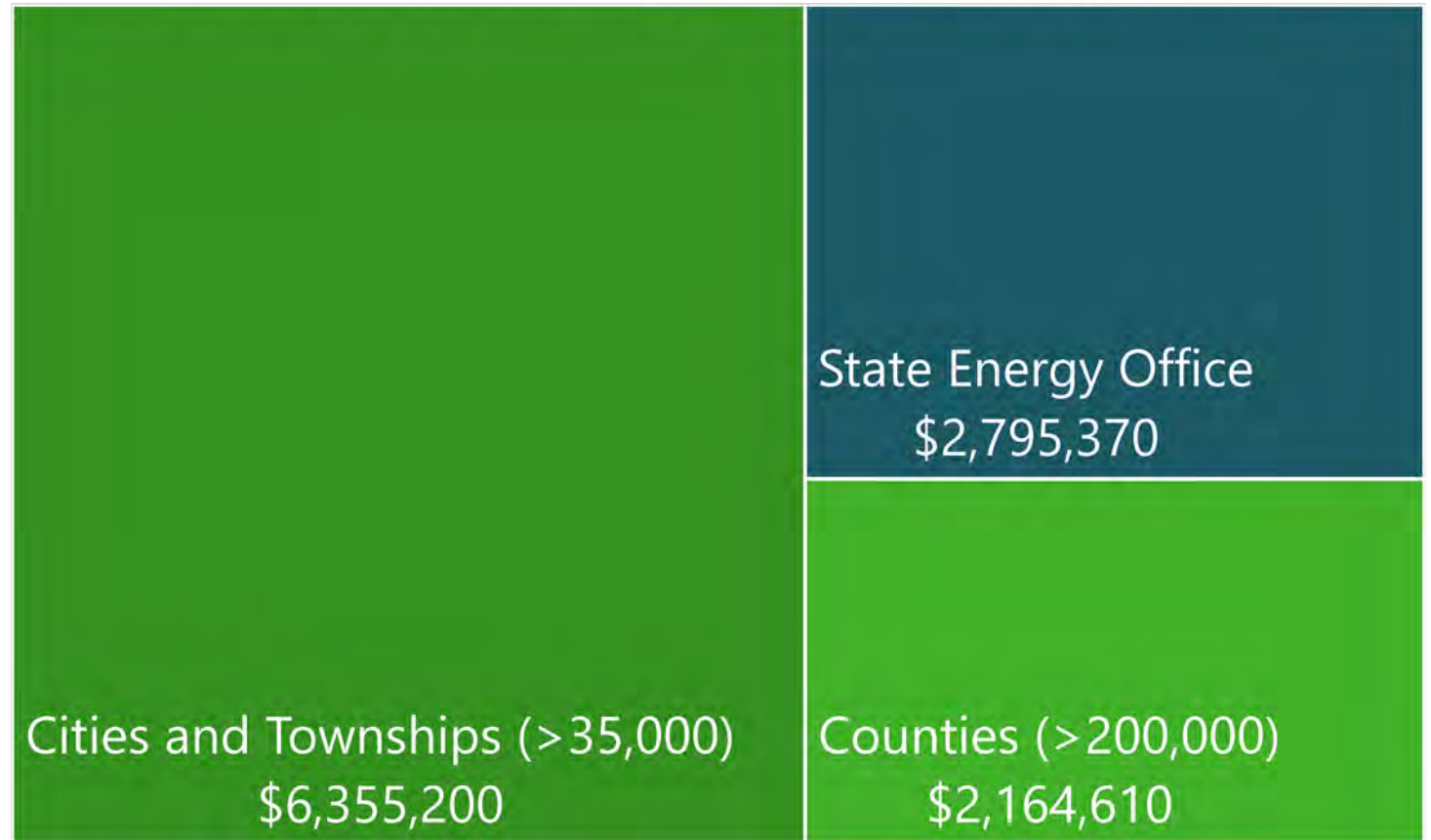
COUNTIES

- Over 35,000 in population

STATE ENERGY OFFICE

- Will sub-allocate funding to non-formula communities
 - Cities, Villages, Townships
 - Counties

EECBG in Michigan - \$11.3 Million



AVERAGE GRANTS

CITIES AND TOWNSHIPS

\$127,000

COUNTIES

\$216,000

ELIGIBLE USES

1. Energy efficiency and conservation strategy (EECS)
2. Technical consultant services
3. Residential/commercial building audits
4. Developing financial incentive programs for energy efficiency
5. Grants to non-profits or governmental agencies
6. Energy efficiency and conservation programs for buildings and facilities
7. Energy efficiency and conservation programs for transportation
8. Development and implementation of building codes and inspection
9. Energy distribution technologies
10. Recycling, refuse reduction programs
11. GHG reduction and/or capture
12. Replacement of traffic signals or street lighting with LED or equivalent
13. Energy efficiency and conservation programs for buildings and facilities
14. Programs for financing energy efficiency, renewable energy, and zero-emission transportation (and associated infrastructure), capital investments, projects, and programs, which may include loan programs and performance contracting programs, for leveraging of additional public and private sector funds, and programs that allow rebates, grants, or other incentives for the purchase and installation of energy efficiency, renewable energy, and zero-emission transportation (and associated infrastructure) measures
- 15. Any other appropriate activity**

Pathways



Easy Button



Build on Existing Strategies



Audits and Evaluations



Position for Funding

How far will your grant go?



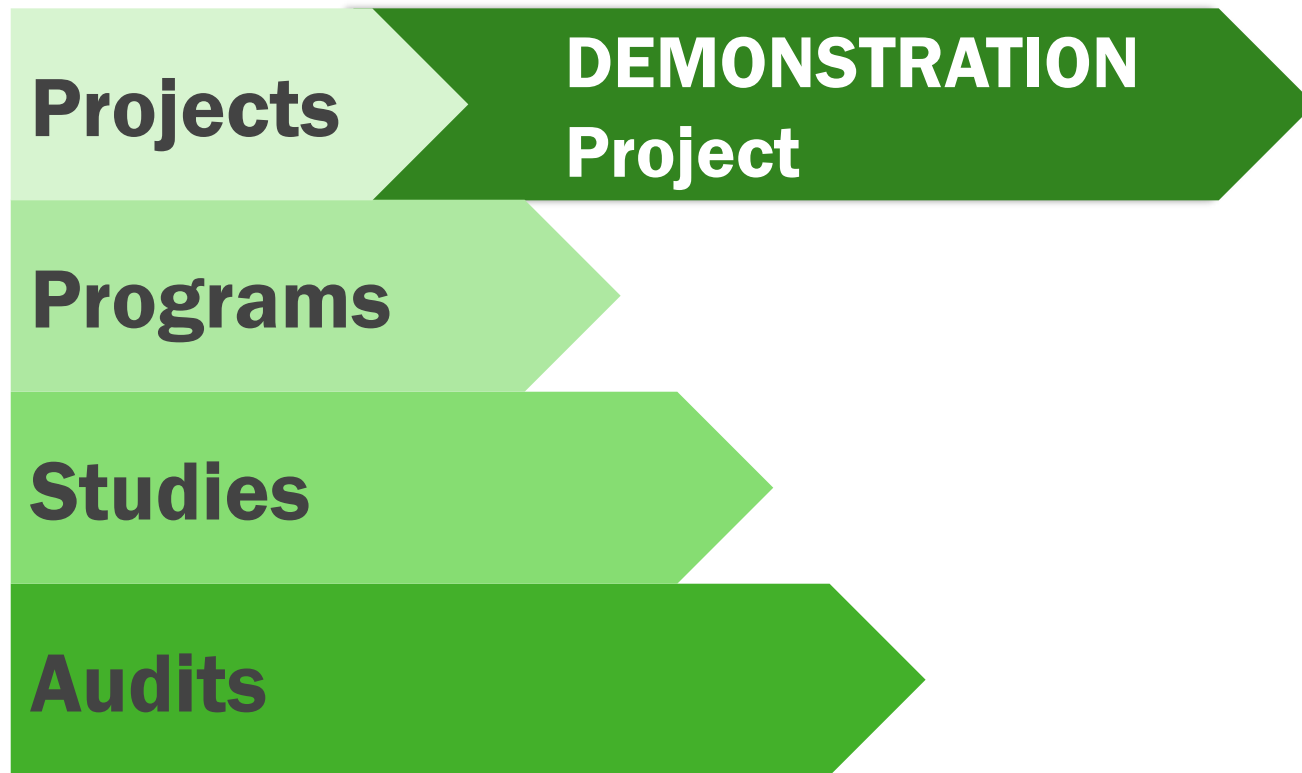
Projects

Programs

Studies

Audits

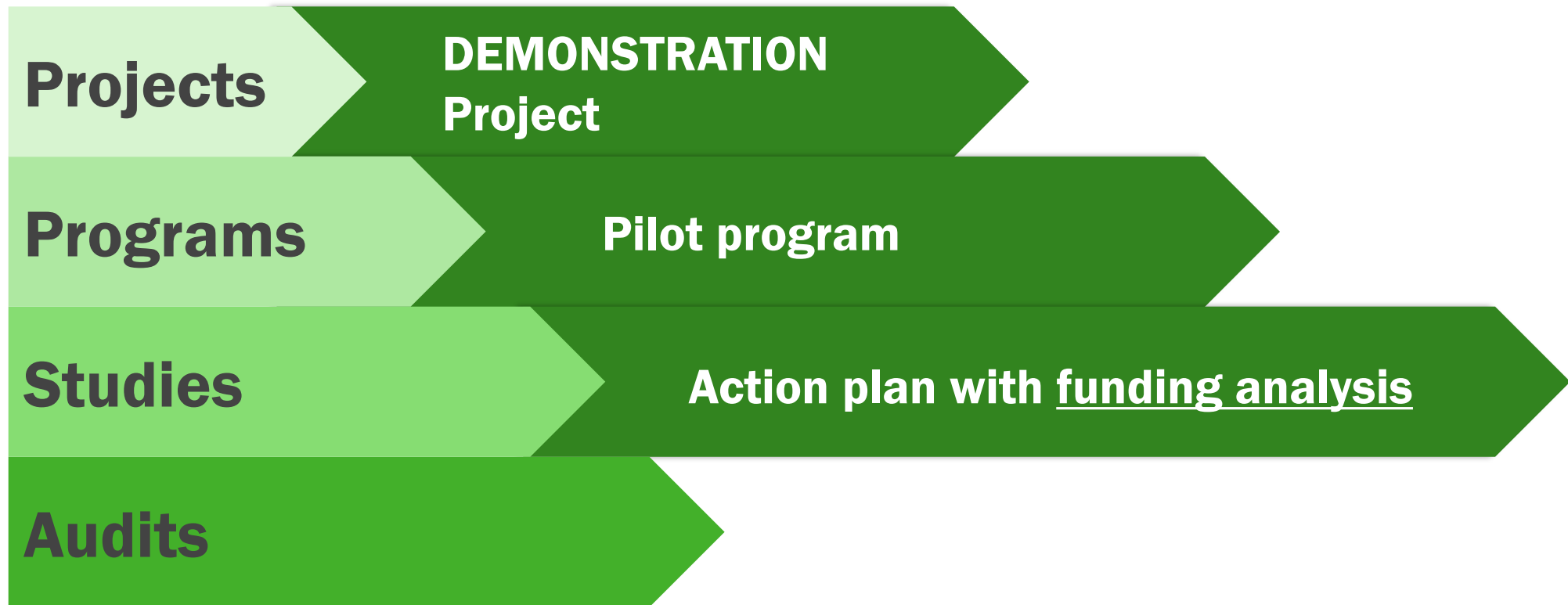
How far will your grant go?



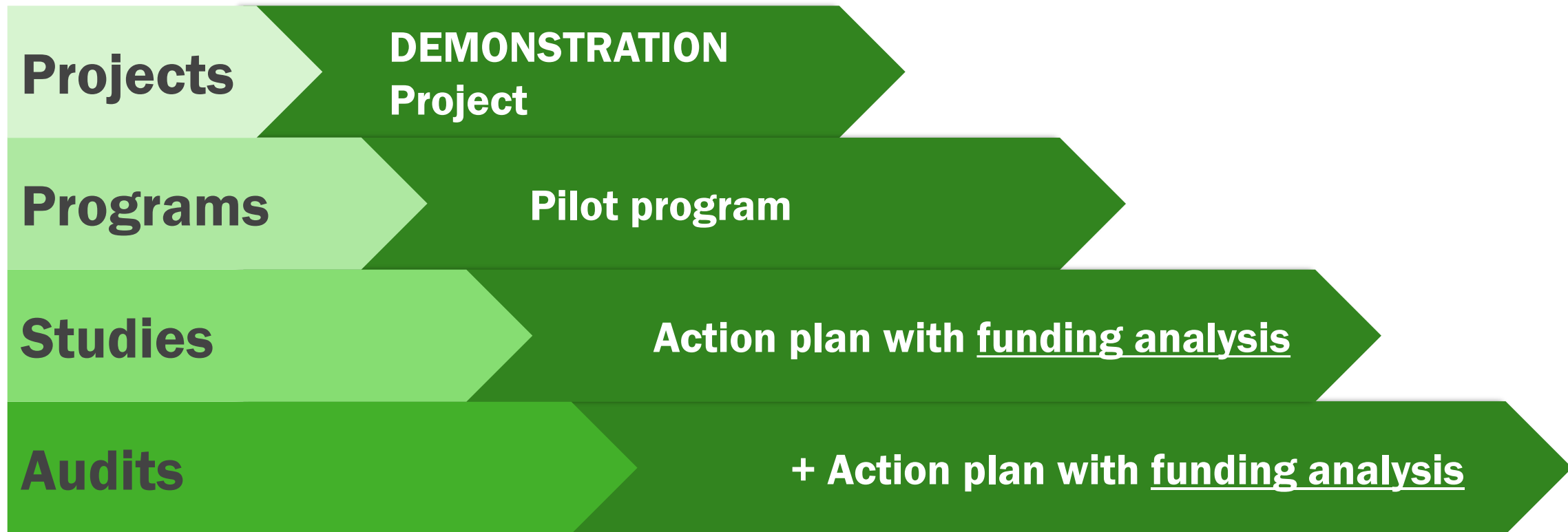
How far will your grant go?



How far will your grant go?



How far will your grant go?



How can you leverage your grant?

Greenhouse Gas Reduction Fund– \$14 billion

- Funding to be distributed to national non-profits
- Suballocated to clean energy projects in grants and/or loans

Solar for All Program - \$7 billion

- Will be sub-allocated at the state level in 2024

Neighborhood Access and Equity Grants - \$3.2 billion

- Transportation grant program
- Focus on economically disadvantaged, underserved communities

How can you leverage your grant?

Clean Heavy Duty Vehicles Program - \$1 billion

- Class 6 and 7 vehicles

USDOT Charging and Fueling Infrastructure – \$2.5 billion

- \$1.25 billion for place-based infrastructure
- \$1.25 billion for corridors

PROPOSED Michigan EV Charging Program – \$40 million

- Public, commercial, and at-home programs
- Department of Labor and Economic Opportunity

How can you leverage your grant?

Earmarks

- THUD Highway Improvement Program

DOE Energy Vehicle Technologies Office - \$1.4 billion

- Funding rounds each summer

CMAQ/Carbon Reduction Act programs

- Typically, formulas to MPOs and Rural Task Forces

Project Examples

The image features a decorative graphic consisting of a large green trapezoidal shape on the left, a grey trapezoidal shape below it, and several thin green lines extending from the top and bottom edges of the shapes.

Washtenaw County Climate Action Plan

- County Goals

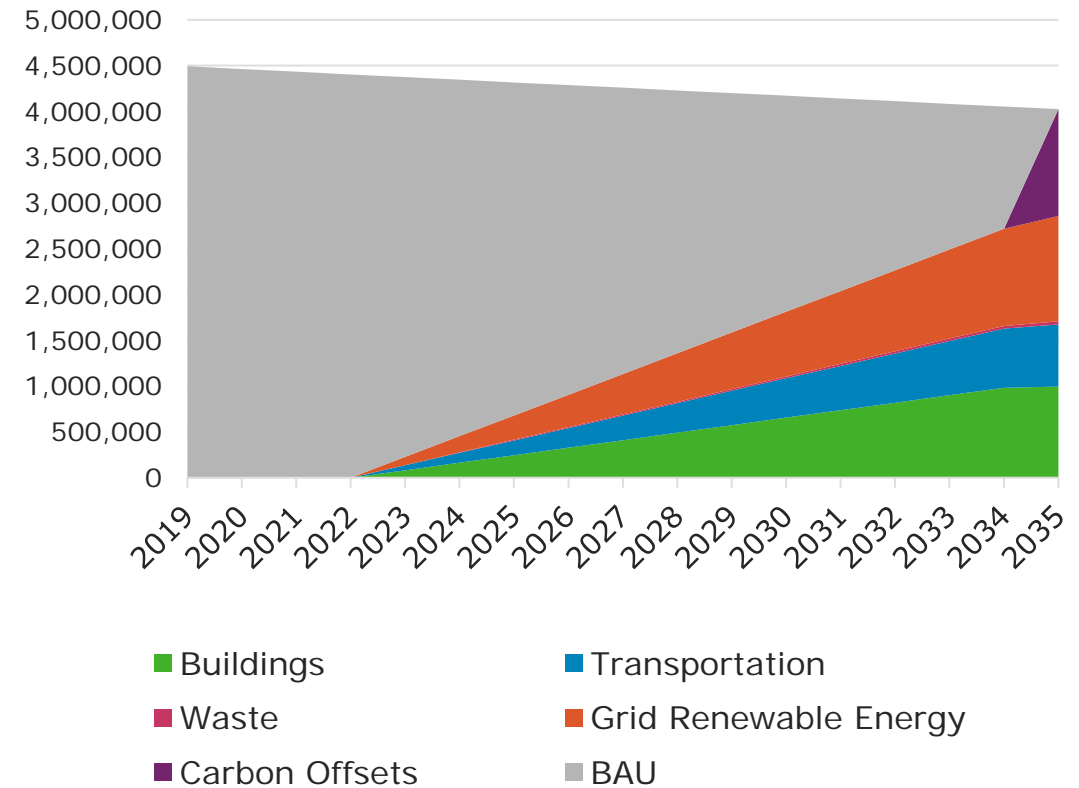
- Carbon neutrality for county operations by 2030
- Reduce county emissions
- Set strategies and establish actions
- Center actions on equity



Washtenaw County Climate Action Plan

- Essential Strategies
 - Reduce overall CO₂ emissions
 - Transition to renewables and energy efficiency
 - Decarbonize housing
 - Improve mobility and access
 - Reduce VMT
 - Enhance non-motorized and transit
 - Improve resiliency and hazard mitigation
 - **Identify Funding Opportunities**

COMMUNITYWIDE EMISSIONS WEDGE
REDUCTIONS TO ACHIEVE CARBON
NEUTRALITY BY 2035 (MTCO₂E)



Washtenaw County Climate Action Plan

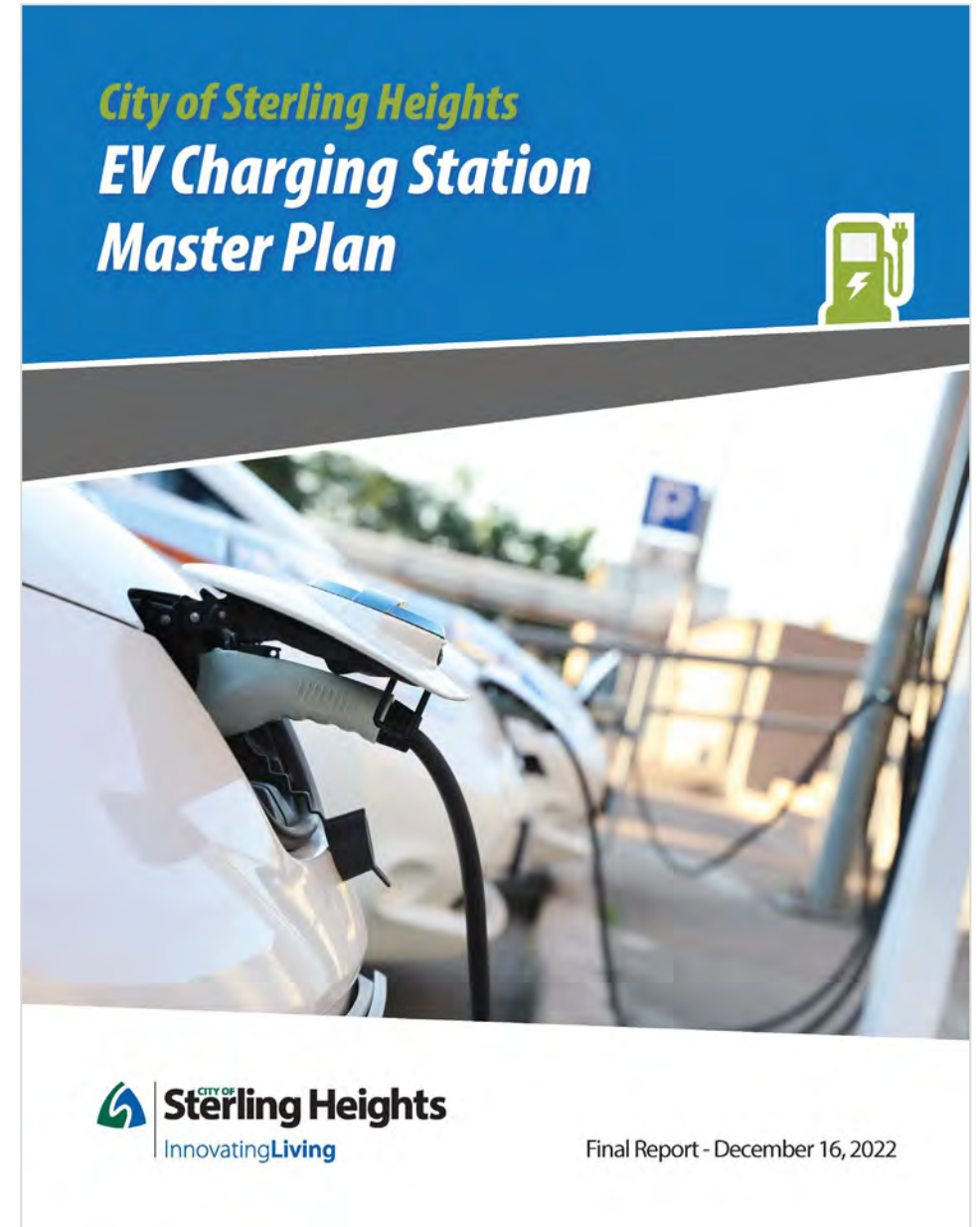
- Identified practical actions in key focus areas
 - Infrastructure
 - Stormwater/disaster resiliency
 - Transportation system
 - Fleets



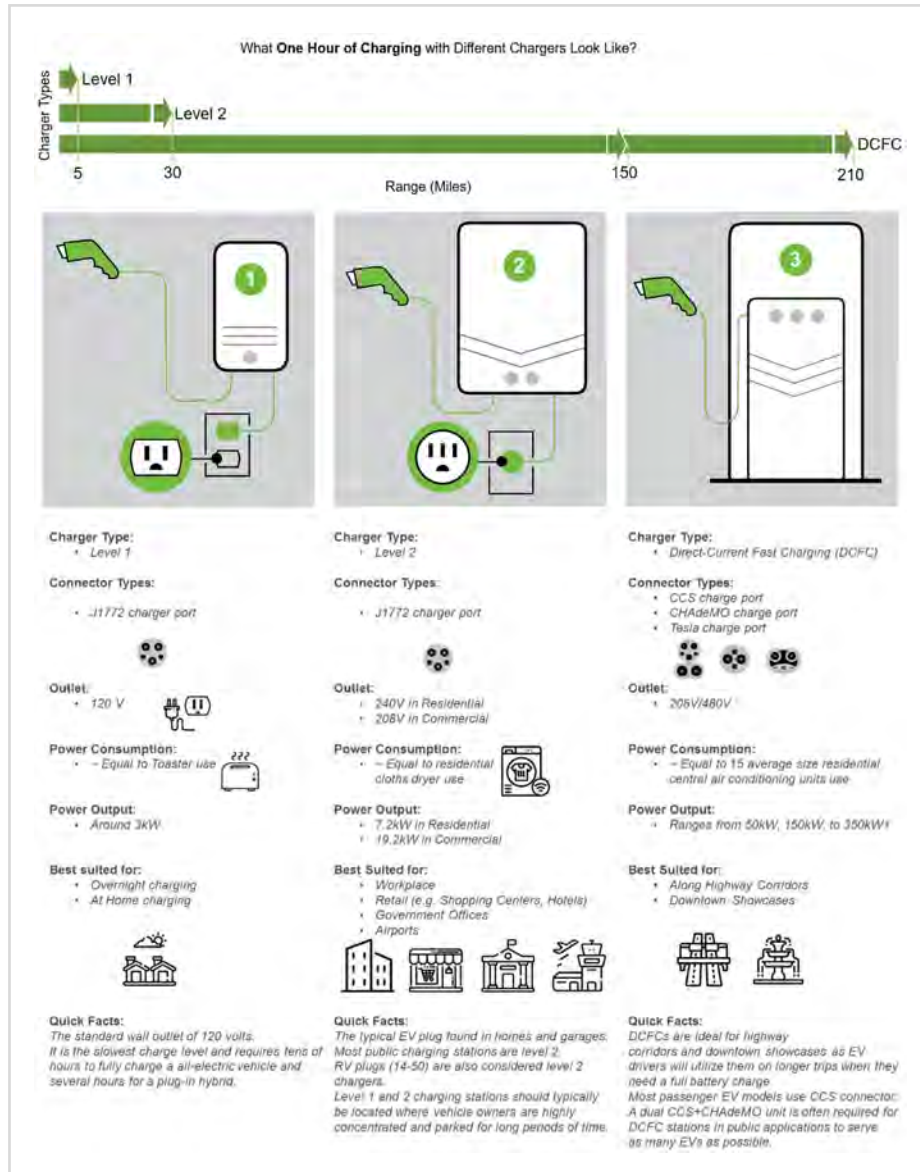
Sterling Heights EV Charging Station Master Plan

Main objectives of the project:

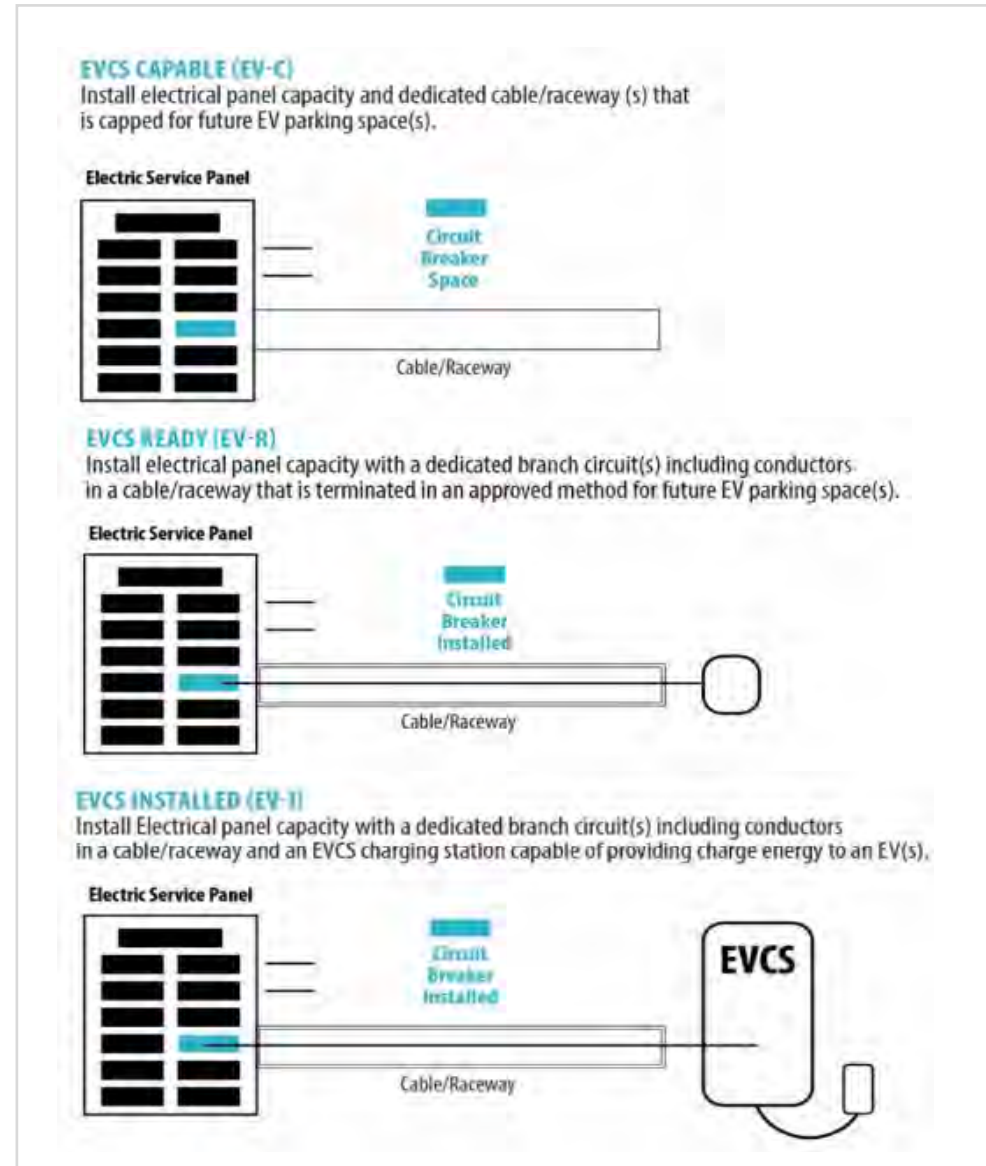
1. Provide overview of Charging Station engineering and technology
2. Assess demand/need and opportunity in Sterling Heights
3. Develop Recommendations for regulatory and operational changes



Charging Station Design and Readiness Basics

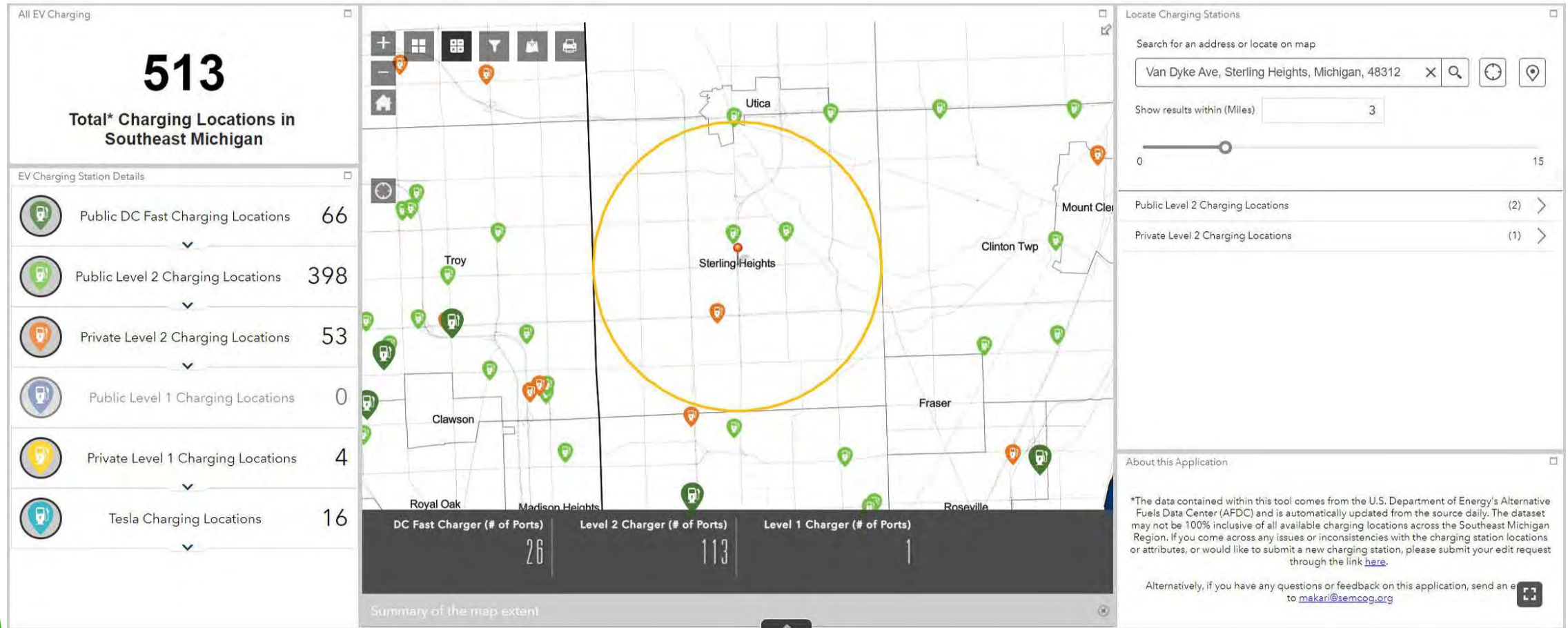


Source: SEMCOG



Source: City of Ann Arbor Zoning Ordinance

Regional Needs Analysis



Recommendations

Operations:

- Renewable energy generation and on-site storage at City properties
- Prepare for a fleet transition to EVs
- Develop standards/specifications for inclusion in capital projects

Regulatory:

- Allow charging stations as a by-right use in all commercial and non-residential districts
- Develop EV readiness requirements for new development
- Revise parking requirements for EVs and EV charging stations

Plan Limitations

Quantified outcomes were not part of the Scope of Work

- No future demand modeling
- No sites identified
- No evaluation of city-fleet
- No preliminary design, distribution assessment, or cost estimates
- No recommended ownership model (city-owned vs. private partnership)

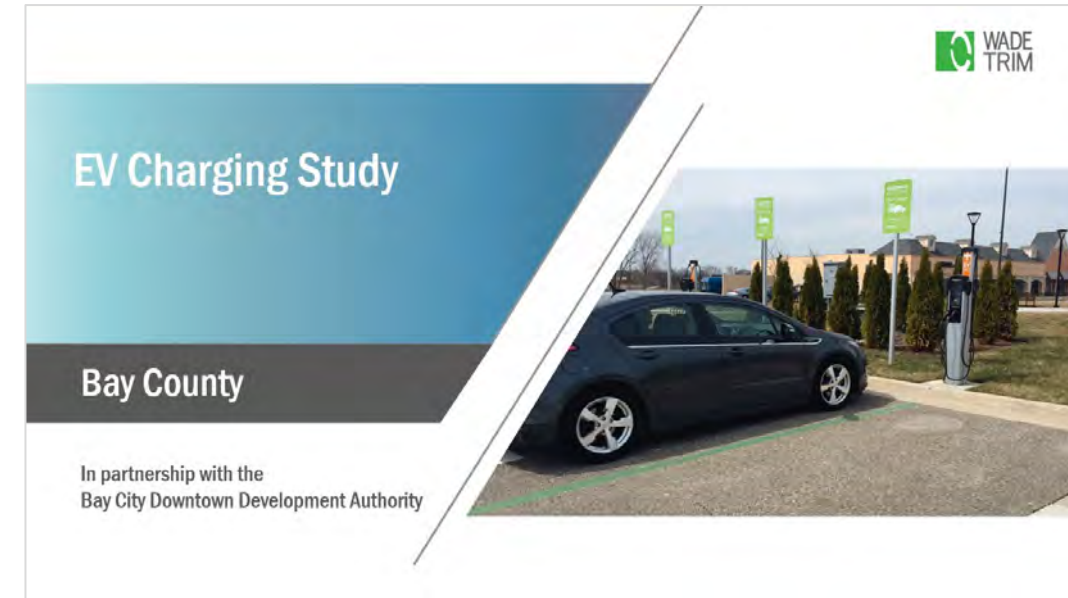
Bay County EV Charging Study

Main objectives of the project:

1. Position for Federal funding
2. Establish place-based EV infrastructure in and adjacent to downtown businesses

Scope includes:

- Demand modeling
- Review county-owned sites and fleet
- Site inventory and selection
- Funding map



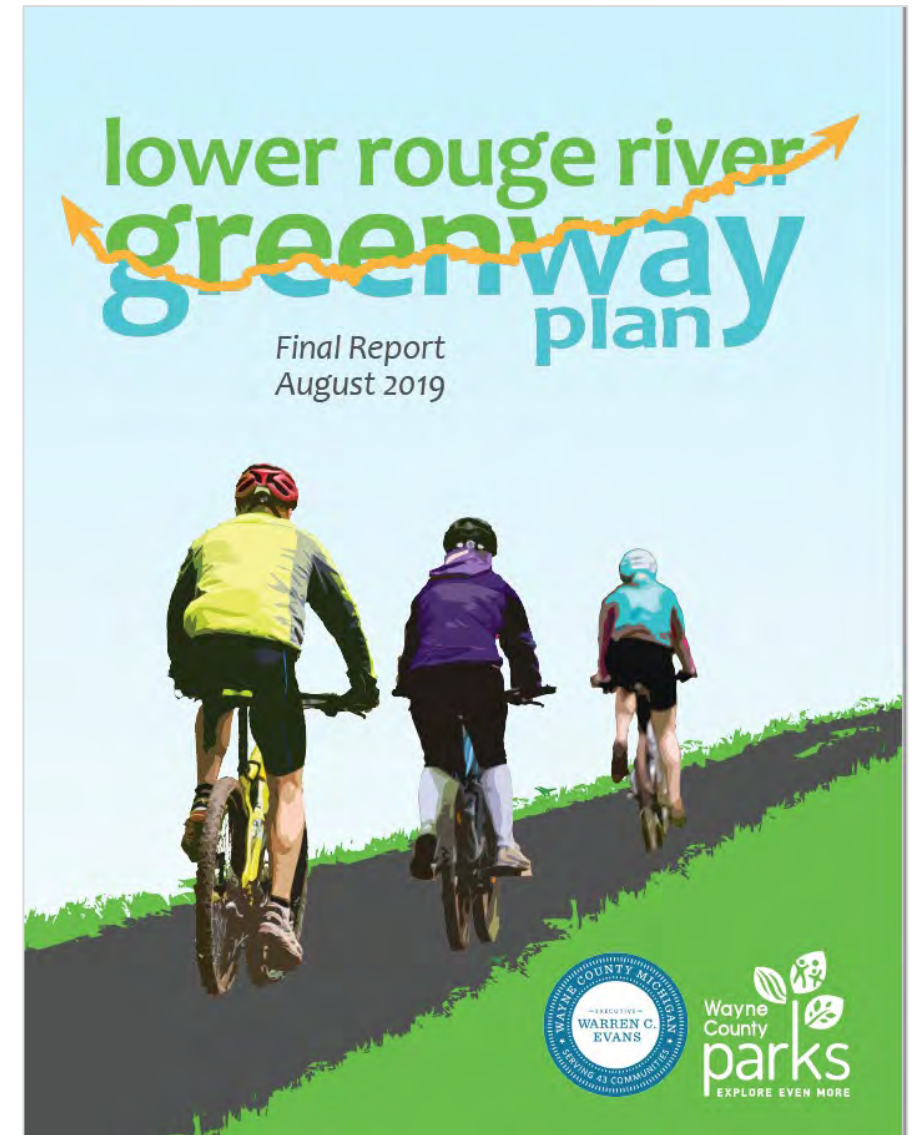
Funding Sources

- USDOT CFI Program
- THUD Earmark
- State EV Program
- ...and more!

Lower Rouge River Greenway Plan

Main objectives of the project:

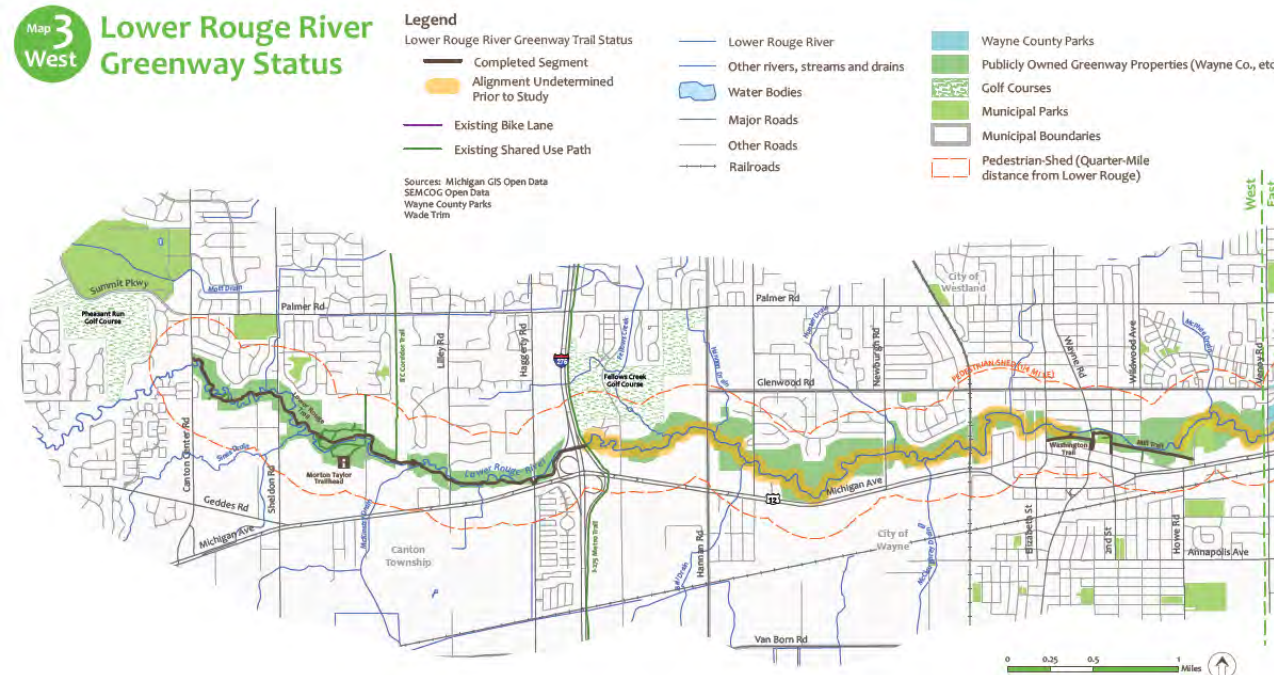
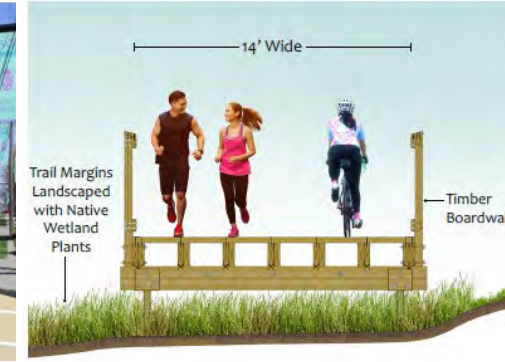
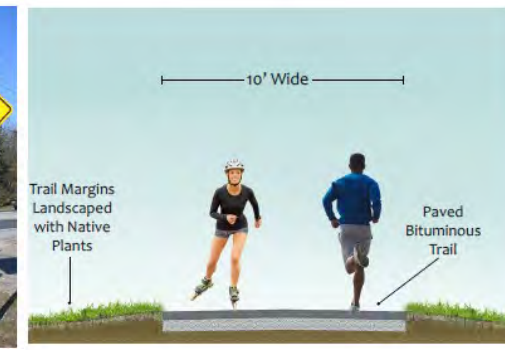
1. Evaluate feasibility of connecting communities via a Greenway corridor
2. Plan safe and functional non-motorized links along the greenway
3. **Identify Funding Opportunities**



Lower Rouge River Greenway Plan

Plan components:

1. Inventory existing conditions and assets
2. Evaluate on-road and off-road non-motorized opportunities
3. Evaluate road crossings
4. Establish design parameters
5. **Identify Funding Opportunities**



EECBG Process

Application process

INTERNAL DISCUSSION

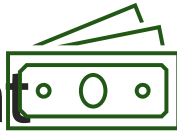
- Who is the decider?
 - Administration
 - Council
 - Sustainability Commission
- Who can best use the funding?
 - Existing initiatives
 - Past plans, audits
 - Capacity to administer
 - Which department leads?

APPLY FOR FUNDING

- Financial information was due **April 28, 2023**
- Pre-application due **July 31, 2023**
- Then,
 1. Complete grant application
 - or-
 2. Complete voucher application

VOUCHER VS. GRANT

Direct Grant



- Traditional Federal grant
 - Can be used for the 14+ program uses
 - Includes administration requirements
- Longer processing likely

Voucher



- Can only be used for:
 - Equipment rebates
 - Certain technical assistance
- Recommended for:
 - Grants <\$250,000
 - Recipients with limited staff capacity
- 30-60 day application processing

Both require:

- Energy Efficiency and Conservation Strategy
- Compliance with Build America Buy America, Davis Bacon, and NEPA

Voucher technical assistance types



Policy Planning & Program Design

- Energy vision, goals, metrics, or strategy development
- Best practice and policy analysis
- Equity mapping
- Building code or performance standard development
- Renewable resource planning
- Transportation planning, including fleet management or EV infrastructure
- Energy efficiency and conservation planning



Building Retrofit Planning and Design

- Project planning and modeling
- Building energy audits
- Energy savings calculations
- RFP/RFQ drafting and evaluation support
- Application and rebate assistance
- Utility coordination



Engineering and Modeling

- Pre-installation modeling
- Post-installation measurement and verification
- Electrification assessments
- Assessments of building codes or performance standards
- Fleet analysis or telematics



Community and Stakeholder Engagement

- Community outreach and communication strategies
- Educational program development
- Capacity building for community-based organizations
- Clean energy workforce development strategies

Limitations:

- You **cannot** select your own assistance provider
- You **cannot** use the voucher to pay for staff time

Pre-Application

Registrations

- SAM.gov
- FedConnect

APPLY FOR FUNDING (Again)

- Organization information
- Grant or voucher (non-binding)
- Payment/financial management information

Final Application and Energy Efficiency and Conservation Strategy

Application

- Standard Federal Forms
 - SF-424
 - Budget
 - Lobbying Assurances
- Budget Justification
- **Energy Efficiency and Conservation Strategy (EECS)**
- Assurances
 - Davis-Bacon
 - Audited Statement
 - NEPA Statement

EECS

- EEC Goals
 - Greenhouse gas reduction
 - Energy Use/Clean Energy Use
 - EV Adoption Goals
 - “Default” goals
- Strategies/Plans to Achieve Goals
 - or-
- DOE Blueprint
- “How will you” questions
- Submit Plans to State Energy Office
- **Get approved**

Conclusions

Direct Recipients

- Who is your internal champion?
- Know where your application stands
- Have a plan!
- Consider how you can leverage your EECBG

Indirect Recipients

- Have a plan!
- Get ready to compete for funding
- Follow developments with the State Energy Office
- Consider how you can leverage your EECBG

**Thank
You!**



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