

16 years of
sustainable
service

City of Madison Heights: Energy Future Grant Project Management & Technical Services Proposal

September 20, 2024

Prepared For:

Melissa Marsh
City Manager
City of Madison Heights
300 W 13 Mile Rd
Madison Heights, MI 48071
melissamarsh@madison-heights.org

Submitted By:

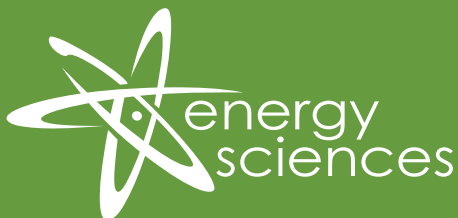
Energy Sciences Resource Partners, LLC
3500 W. 11 Mile Rd., Suite B
Berkley, Michigan, 48072

Contact:

Michelle Peters | michelle.peters@esciences.us | Mobile: (734) 365-1155

Table of Contents

Executive Summary	3
Project Summary	4
Proposed Scope of Work	6
Deliverables	9
Assumptions	10
Exclusions	11
Fees & Schedule	12
Key Resources	14
Exhibit A	16
Exhibit B	17
Exhibit C	18



16 years of
sustainable
service

Dear Ms. Marsh,

Energy Sciences works collaboratively with clients to identify project needs and requirements, pursue customized solutions, and design targeted approaches to meet and exceed expectations. Our comprehensive understanding of local challenges and opportunities enables us to develop effective, actionable strategies, and our industry experts are committed to providing you with the support, knowledge, and tools your community needs to generate lasting positive change.

Small footprint, big impact; it is more than a statement for us at Energy Sciences; it defines who we are and what we do. Our work with municipalities is firmly based on the belief that sustainability isn't just a dream for a select few, but a future every community deserves. We are proud to continue providing services that build on our longstanding relationship with the City of Madison Heights, working together to create a vibrant, diverse, and sustainable future for the communities we serve.

The project selected by the US Department of Energy (DOE) for the inaugural round of Energy Future Grants (EFG), "Evolve: A Regional Decarbonization Plan for Southeast Oakland County," is an ambitious plan we crafted together that relies on the collaboration of four local government jurisdictions, each on the same path to a more sustainable future but with unique needs for tailored energy solutions, resource management strategies, and community engagement approaches, reflecting their individual priorities and challenges. Energy Sciences is enthusiastic about being part of this team and looks forward to providing our expertise to the City and subrecipients in project management, strategy development, communications and outreach, and technical services.

We look forward to the opportunity to help you. If you have any questions regarding this proposal, please do not hesitate to call us.

Sincerely,



Shelley Sullivan, CEM CLEP, CEA

President

Energy Sciences

Project Summary



16 years of
sustainable
service

Project Summary

In the fall of 2023, Energy Sciences supported the City of Madison Heights, in coalition with the City of Ferndale, the City of Oak Park, and the Lamphere School District, with defining a project, completing an application, and creating a Community Benefits Plan (CBP) for the Energy Future Grant (EFG) offered by the US Department of Energy (DOE). Since April 2024, when the DOE selected the project "Evolve: A Regional Decarbonization Plan for Southeast Oakland County," Energy Sciences has continued to support the ongoing award negotiation process by drafting the necessary documents and ensuring that all requirements are met.

The project consists of developing the Plan with three primary goals:

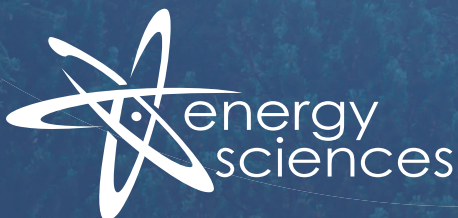
1. Establishing a unified method for quantifying the GHG missions
2. Understanding the impact of current operational and community-based GHG emissions
3. Developing strategies to enhance energy efficiency, building envelopes, and vehicle electrification while expanding mobility and alternative transportation options for the community

Working together to develop a Regional Decarbonization Plan (Plan) will allow all of the team members, currently at different stages in their journey, to decarbonize their operations and communities and to share and leverage information, experiences, and knowledge. This Plan will create the path to fleet and mobility transformation and building energy performance improvement, with a strong focus on community engagement and education, influencing regional decreases in GHG emissions and spurring economic activity and job growth in the area.

As the primary contractor and overall project manager, Energy Sciences will provide seamless coordination for the City and jurisdictional team members, ensuring stakeholder engagement throughout the project. Leveraging its expertise in communications and outreach, Energy Sciences will maintain consistent messaging while recognizing each jurisdiction's unique needs and developing strategies to engage its communities effectively. In addition, Energy Sciences will offer technical and engineering support, particularly in facility operations and fleet analysis, to drive project success.

Michigan Clean Cities (MICC) and Midwest Energy Efficiency Alliance (MEEA) are the project's technical expertise subcontractors for building performance, GHG emissions calculations, and fleet energy intensity. MICC is a member of the DOE Clean Cities Coalition and will contribute its expertise in alternative fuels and advanced vehicle technologies in transportation. MEEA is well-versed in energy efficiency policy and solutions throughout the Midwest and is uniquely qualified to host an energy code modernization workshop that will provide insight into strategies that have been successful in similar communities.

Proposed Scope of Work



16 years of
sustainable
service

Proposed Scope of Work

Energy Sciences will work through the development of the Plan collaboratively with the City, jurisdictional team members, and subcontractors. The four primary tasks associated with the Plan's development include creating 1) Community Engagement Plans, 2) Operating Performance Assessments & Inventories, 3) Fleet and Mobility Assessments & Inventories, and 4) a Regional Decarbonization Plan.

The following is a high-level breakdown of specific actions required for the completion of each primary task:

1. Community Engagement Plans

- a. Assist the City and jurisdictional team members in determining community communication methods for sharing updates and receiving feedback. Identify Disadvantaged Community (DAC) census tracts and note areas of burden.
- b. Assist with identifying, engaging, and securing the partnership of 3-4 potential partners connected to the region or serving the DACs.
- c. Assist with the creation of meeting schedules to engage the community, receive feedback, and provide updates.

2. Operating Performance Assessment & Inventory

- a. Conduct building performance assessments for the City of Madison Heights, City of Oak Park, and Lamphere School District. Review the results of building performance audits for the City of Ferndale. Select a single uniform method for the team to adopt as the standard for calculating operating and community-based GHG emissions.
- b. Assess, quantify, and document all operating and community-based GHG emissions for the City and jurisdictional team members.
- c. Assist the City and jurisdictional team members with setting a uniform baseline and consolidating the individual inventories into a unified regional GHG emissions inventory.

3. Fleet and Mobility Assessment & Inventory

- a. Assist the City and jurisdictional team members in conducting a Community Mobility Assessment.
- b. Assist with inventorying and auditing the energy intensity for jurisdictionally owned and operated vehicles.
- c. Assist in identifying barriers to implementing community mobility solutions and fleet electrification.

4. Regional Decarbonization Plan

- a. Assist the City and jurisdictional team members in developing Mobility Transformation Plans.
- b. Assist the City and jurisdictional team members in developing Operating Improvement Plans.
- c. Assist with using the results from the Mobility Transformation Plans and Operating Improvement Plans to create the Regional Decarbonization Plan.

Deliverables



16 years of
sustainable
service

Deliverables

Deliverables to the City and subrecipients include the following:

- Preliminary Community Meeting Schedules for each jurisdiction team member.
- Assessment reports for the facilities operated by The City of Madison Heights, Oak Park, and Lamphere School District and a report using the results of the previously completed assessments for the City of Ferndale.
- GHG Emissions reports for each jurisdiction team member.
- Regional GHG Emissions Report, which includes the collective results of the jurisdictional team members.
- Community Mobility Assessment reports for each jurisdiction team member.
- Fleet inventory and energy intensity reports for each jurisdiction team member.
- Report from the Energy Modernization Workshop.
- Mobility Transformation Plans for each jurisdiction team member.
- Operating Improvement Plans for each jurisdiction team member.
- Regional Decarbonization Plan encompassing the collective jurisdictional team members.

Energy Sciences will provide an overall progress report update to Madison Heights monthly. After completing each relevant task, a findings report with the results of that task will be provided to the team member which is the subject of that task.

Assumptions

This proposal is based on Energy Sciences' assumption that the City of Madison Heights, City of Ferndale, City of Oak Park, and Lamphere School District will provide the following:

- A Team Lead who will act as the primary point of contact and coordinate with the Energy Sciences project manager, subcontractors, community, and stakeholders. They will also collaborate and coordinate with the Energy Sciences program manager on the community engagement and outreach activities outlined in the SOPO and CBP, including appointing a staff member to represent the City during these activities.

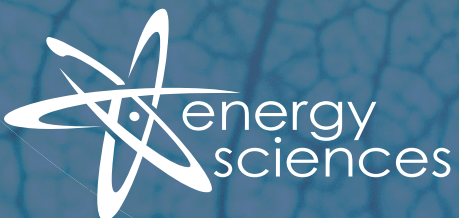
Deliverables

- Timely access to monthly historical utility billing (gas and electric), facility assessment reports, facility staff availability for interviews and access to buildings and their systems for assessments, future capital plans for building upgrades, and other relevant information to support the development of the Operating Performance Assessment & Inventory.
- Access to and a list of operated vehicles in the fleet, vehicle age, miles driven, future planning for upgrades and replacement, and other relevant information needed to develop the Fleet and Mobility Assessment & Inventory.

Exclusions

This proposal does not include City residential & commercial community water & waste management practices. Services may be added by request for an addendum to this proposal for additional costs.

Fees & Schedule



16 years of sustainable service

Fees & Schedule

The total lump sum fee for developing the Energy Efficiency Strategy is \$500,000.00, with a breakdown of the four main tasks. A further detailed schedule is attached in Exhibit C.

Task	Estimated Timeline	Fee
Task 1: Community Engagement Plan	Month 1 - Month 4	\$47,040
Subtask 1.1: Community engagement and feedback strategy	Month 1 - Month 2	\$23,200
Subtask 1.2: Identify and engage potential partners	Month 1 - 3	\$16,000
Subtask 1.3: Create a Preliminary Community Meeting Schedule	Month 2 - 4	\$7,840
Task 2: Operating Performance Assessment & Inventory	Month 1 - Month 7	\$225,320
Subtask 2.1: Perform energy and building performance audits on all jurisdiction-operated facilities	Month 1 - Month 6	\$154,540
Subtask 2.2: Calculate GHG operating and community-based GHG emissions	Month 3 - 7	\$64,900
Subtask 2.3: Set a regional benchmark standard	Month 6 - 7	\$5,880
Task 3: Fleet and Mobility Assessment & Inventory	Month 3 - Month 7	\$106,560
Subtask 3.1: Conduct a community mobility assessment	Month 3 - Month 6	\$19,400
Subtask 3.2: Conduct a fleet inventory and audit	Month 3 - Month 6	\$65,880
Subtask 3.3: Determine barriers to electrification	Month 5 - Month 7	\$21,280
Task 4: Regional Decarbonization Plan	Month 7 - Month 12	\$121,080
Subtask 4.1: Create a Mobility Transformation Plan	Month 7 - Month 10	\$31,200
Subtask 4.2: Create an Operating Improvement Plan	Month 7 - Month 10	\$66,460
Subtask 4.3: Develop the Regional Decarbonization Plan	Month 9 - Month 12	\$23,420

Invoicing for all tasks will be done on a progress basis after each subtask is completed by the subrecipients, contractor, and subcontractors, as noted in Exhibit C. Energy Sciences is prepared to begin this project after DOE awards the grant and within two weeks of receiving a signed contract.

Key Resources



16 years of
sustainable
service



Shelley Sullivan, CEM, CSDP

Ms. Sullivan has a diversified energy and environmental background with over 25 years of experience implementing sustainable solutions that reduce energy waste, minimize environmental impact, and reduce operating costs. She has a passion for the environment and a commitment to helping communities and facility owners improve building energy and operational performance while minimizing their environmental footprint. Shelley works collaboratively with customers to develop practical strategies customized to their individual goals and needs. In 2008, Ms. Sullivan co-founded Energy Sciences, a full-service energy consulting company that collaborates with businesses, governments, and utilities to optimize how they use energy and other resources. Shelley holds a BS in chemical engineering, an MS in hazardous waste management, and numerous professional certifications, including CEM, CEA, CLEP, and CSDP.



Laurie Catey

As the Director of Engineering & Consulting Services, Laurie manages a talented team of engineers and consultants that specialize in sustainability and building sciences. She has 40 years of construction industry experience, including specialization in building commissioning and retro-commissioning, building system assessments and studies, and designing and implementing energy efficiency programs for utilities. Laurie holds a BS in Mechanical Engineering and an MBA in International Business. She is a member of the Building Commissioning Association (BCA) and the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE) and serves on the Construction Code Commission for the State of Michigan.



Michelle Peters, PMP

Michelle is a multifaceted Program Manager with fifteen years of experience in the project management, consulting, energy efficiency, sustainability, and design industries. She is passionate about developing functional programs and sharing all the social, economic, and environmental benefits of sustainability and waste reduction. Michelle focuses on working with Municipal and Local Governments by assisting them with seeking and applying for grant funding and through the development, implementation, and management of the resulting plans, projects, and programs. She also leads the Energy Sciences Sustainability Committee while developing and delivering training programs for Energy Sciences and its clients related to topics in sustainability such as Environmental, Social, & Governance (ESG), Decarbonization, and Climate Action Planning, among others. Michelle holds a Bachelor of Interior Architecture from Lawrence Technological University and a PMP certification from Project Management International.



Sue Josifoski, CEM

A senior manager, Sue has over nine years of experience in the energy consulting field for commercial and industrial facilities, including energy assessments and retro-commissioning projects, developing strategic energy plans and programs for clients, and managing utility programs. She works in the energy efficiency industry because it is meaningful and allows her to be part of the solution to the challenges we face in today's world. She holds a BS in Chemical Engineering and an MS in Renewable Energy, and she is a certified energy auditor and certified energy manager.

Exhibit A: Statement of Project Objectives (SOPO)

Statement of Project Objectives

DE-SE0001147

Mod Number: 000

City of Madison Heights

Evolve: A Regional Mobility Transformation and Decarbonization Plan for
Southeast Oakland County

A. Project Objectives

This is a Regional Decarbonization Plan. This Regional Decarbonization Plan is supported by three key goals: establishing a unified method for quantifying the GHG missions, understanding the impact of current operational and community-based GHG emissions, and developing strategies to enhance energy efficiency, building envelopes, and vehicle electrification while expanding mobility and alternative transportation options for the community. The Regional Decarbonization Plan encompasses multiple jurisdictions at different stages of progress to decarbonize their operations and communities, and working together to develop a Regional Decarbonization Plan which will allow for sharing and leveraging of information, experiences, and expertise while also tailoring individual plans that align with their communities needs.

The goals will be evaluated based on the City's success in meeting the following measurable objectives:

- **Strategy to Reduce Energy Burden:** which will be assessed by tracking the projected financial and energy savings associated with energy conservation and efficiency measures identified for future implementation in these communities.
- **Improve Environmental Impact:** this will be evaluated by establishing baselines and utilizing a uniform reporting standard to monitor and measure the decrease in environmental exposure and burdens resulting from GHG emissions reductions from future fleet electrification and building retrofits.
- **Community Participation and Engagement:** this will be measured by event numbers, participation levels, and financial resources allocated to events and engagement strategies, with transparent communication on how their input benefits the overall Regional Decarbonization Plan.

B. Technical Scope Summary

The scope of work includes the deliverables of developing Community Engagement Plans, Operating Improvement Plans, Mobility Transformation Plans for four (4) jurisdictions, and one (1) overall Regional Decarbonization Plan. The tasks and subtasks, outlined in Section C, will revolve primarily around data collection, analysis, and planning. Community engagement and feedback will feed into iterations of the development of the resulting Operating Improvement Plan and Mobility Transformation Plans for the City of Madison Heights (the City) and the three (3) additional jurisdictions.

The approach for developing the Community Engagement Plans will include determining a communication strategy for the City of Madison Heights and the three (3) additional jurisdictions and within these communities. This includes, but is not limited to, partner identification, feedback collection methods, meeting schedules, and community and regional update strategies.

The approach to developing the Operating Improvement Plans will feature a series of subtasks and milestones that focus primarily on the facilities that the City of Madison Heights and the three (3) additional jurisdictions operate. This includes quantifying the GHG emissions and using them to create a baseline that the City can use to measure progress and quantify the benefits of decarbonization. The data collected will be used to help prioritize upgrades and seek out funding opportunities to leverage for those upgrades.

Mobility Transformation Plans will be developed using the results of the fleet energy intensity audits conducted by the City and the three (3) additional jurisdictions, along with feedback from the communities about their transportation and mobility needs. This approach will allow The City to leverage the collective power as a purchasing unit with potential suppliers.

The main contractor will be able to ensure consistency in project management for the City and the three (3) additional jurisdictions and that all stakeholders remain engaged. The expertise needed to complete more technical tasks related to building performance, GHG emissions calculations, and fleet energy intensity, among others, will be supported by the contractors that have existing partnerships with each other and with the City and the three (3) additional jurisdictions. The main contractor will provide overall project management support and technical support related to facility operations and fleet analysis. One of the secondary contractors is a member of the DOE Clean Cities Coalition and will contribute its expertise in alternative fuels and advanced vehicle technologies in transportation. The other secondary contractor is well versed in energy efficiency policy and solutions throughout the Midwest and is best positioned to host an energy code modernization workshop that will provide insight into strategies that have been successful in similar communities.

C. Tasks To Be Performed

Task 1.0: Community Engagement Plan (M1-M4, Q1-Q2)

The City and the three (3) additional jurisdictions will develop a schedule of community meetings, events, and engagements. This plan will involve the community, agencies and organizations, and potential local partners, providing them the opportunity to contribute feedback and receive updates throughout the project and development of the Regional Decarbonization Plan. Each jurisdiction will utilize its existing environmental commissions as Community Advisory Boards, which include members of the community and members of the jurisdiction's staff. These boards will lead this project and make decisions about the content of the overall Regional Decarbonization Plan, including integrating the feedback received. (CBP task 1)

Subtask 1.1: Community engagement and feedback strategy. (M1-M2, Q1)

The City and the three (3) additional jurisdictions will determine the methods they will use to engage the community. DACs will be identified using the Climate and Economic Justice Screening Tool by census tract for the four (4) jurisdictions, and the areas of burden they face will also be noted. There will be a focus on reaching these communities through partnerships with organizations that also have a presence in the community. (CBP Subtask 1.1)

Milestone 1.1.1 The City and the three (3) additional jurisdictions will each develop a list of methods, which include in-person, print, and web-based at a minimum, that the City will use for engagement, feedback, and to share updates with the relevant communities. Updates will be delivered to the community quarterly at a minimum. (CBP Milestone 1.1.1)

Subtask 1.2: Identify and engage potential partners. (M1-M3, Q1)

The City and the three (3) additional jurisdictions will identify potential partners, and they will be included in the development of four (4) Preliminary Community Meeting Schedules with at least one (1) initial meeting and 1-2 follow-up meetings with each partner through the course of the project. Additional meetings can be held as needed based on the involvement of the potential partners. (CBP Subtask 1.2)

Milestone 1.2.1 The City and the three (3) additional jurisdictions will identify a minimum of 3-4 regional, state, and federal agencies and organizations that can become partners and also provide assistance with Milestones 3.3.1, 4.1.1, and 4.1.2. (CBP Milestone 1.2.1)

Subtask 1.3: Create a Preliminary Community Meeting Schedule. (M2-M4, Q1-Q2)

The City and the three (3) additional jurisdictions will plan four (4) meeting schedules to engage the community, receive feedback, and provide updates; additional meetings may be added as needed throughout the project. (CBP Milestone 1.3.1)

Task 2.0: Operating Performance Assessment & Inventory (M1-M7, Q1-Q3)

The City and the three (3) additional jurisdictions will determine one (1) uniform method of assessing and tracking GHG emissions and establish one (1) common baseline to benchmark against. The City and the collaborating jurisdictions will each complete an inventory of each operating and community-based GHG emissions.

Subtask 2.1: Perform energy and building performance audits on all jurisdiction-operated facilities. (M1-M6, Q1-Q2)

The City and the three (3) additional jurisdictions will use the results of the audits to baseline the current performance levels.

Milestone 2.1.1 The City and the three (3) additional jurisdictions will identify and document one (1) single uniform method to adopt as the standard for calculating operating and community-based GHG emissions.

Milestone 2.1.2 The City and the three (3) additional jurisdictions will quantify and document the results in four (4) jurisdiction-specific audit reports for each of the 6-10 facilities operated by The City and collaborating jurisdictions.

Subtask 2.2: Calculate GHG operating and community-based GHG emissions. (M3-M7, Q1-Q3)

The City and the three (3) additional jurisdictions will assess and catalog operating and GHG emissions.

Milestone 2.2.1 The City and the three (3) additional jurisdictions will quantify and document all operating and community-based GHG emissions, including the results from milestones 2.1.2 and 3.2.1 in four (4) reports.

Subtask 2.3: Set a regional benchmark standard. (M6-M7, Q2-Q3)

The City and the three (3) additional jurisdictions will determine a uniform baseline year, which can be used as a benchmark to compare performance. When the four (4) Operating Improvement Plans are implemented after phase 1 is completed by the City and the collaborating jurisdictions, this will help quantify the health benefits of reducing GHG emissions.

Milestone 2.3.1 The City and the three (3) additional jurisdictions will identify and set one (1) uniform timeframe as the baseline

Milestone 2.3.2 The City and the three (3) additional jurisdictions will consolidate the collective jurisdiction-specific inventories to produce one (1) regional inventory and deliver it in one (1) report.

Task 3.0: Fleet and Mobility Assessment & Inventory (M3-M7, Q1-Q3)

The City and the three (3) additional jurisdictions will engage the participating communities to determine their mobility needs and assess the condition of their fleet; the initial framework for this engagement will be planned in Subtask 1.3, and further developed during Subtask 3.1. The City and collaborating jurisdictions will identify barriers faced to implement mobility solutions for the community and electrify these fleets. (CBP Task 3)

Subtask 3.1: Conduct a community mobility assessment. (M3-M6, Q1-Q2)

The City and the three (3) additional jurisdictions will use surveys to engage the relevant communities to determine the mobility needs and EV adoption rate. These surveys will focus on ensuring that a proportional percentage of the DACs are engaged, as noted in the CBP Milestone 1.1.1. This will be accomplished by leveraging the partnerships developed in Milestone 1.2.1 to reach members of the DACs where they may receive support services and at locations like public libraries. The meetings, engagement sessions, and additional strategies will be added to the Community Meeting Schedule developed in Subtask 1.3. (CBP Milestone 2.1.1)

Subtask 3.2: Conduct a fleet inventory and audit. (M3-M6, Q1-Q2)

The City and the three (3) additional jurisdictions will inventory and audit the energy intensity of existing fleets, including all of the vehicles that are operated across all of the jurisdiction's facilities and in their operations.

Milestone 3.2.1 Four (4) reports will be produced that quantify energy intensity and document the GHG emissions of each vehicle in the City's and the three (3) additional jurisdictions' fleets.

Subtask 3.3: Determine barriers to electrification. (M5-M7, Q2-Q3)

The City and the three (3) additional jurisdictions will identify barriers to implementing community mobility solutions and fleet electrification.

Milestone 3.3.1 The City and the three (3) additional jurisdictions will quantify and document the barriers to implementing mobility solutions and fleet electrification based on community feedback gathered through methods determined in Milestone 1.1.1. This information will be compiled into four (4) reports, which will be integrated with the results of Subtask 3.1 and Milestone 3.2.1 to form the Fleet and Mobility Assessment & Inventories.

Task 4.0: Regional Decarbonization Plan (*M7-M12, Q3-Q4*)

The City and the three (3) additional jurisdictions will use the results of the completed Operating Performance Assessment & Inventories and Fleet and Mobility Assessment & Inventories to develop Mobility Transformation Plans and Operating Improvement Plans. The collective team will use the goals and targets in these plans to develop one (1) Regional Decarbonization Plan. (CBP Tasks 3, 4, 5)

Subtask 4.1: Create a Mobility Transformation Plan. (*M7-M10, Q3-Q4*)

The City and the three (3) additional jurisdictions will each create plans to implement mobility solutions for the community and electrify the jurisdiction's fleets. The City will collaborate with the main and supporting contractors on the development of the plans. These plans are a framework for a strategy that will provide additional transportation options for the communities, make EV adoption more accessible for DACs, and reduce GHG emissions. (CBP Subtasks 4.1, 5.1; CBP Milestones 4.1.1, 5.1.1)

Milestone 4.1.1 The City and the three (3) additional jurisdictions will collaborate with the main and supporting contractors to identify and engage at least 2-3 partners. This will be done through networking events and conferences regularly held in Michigan, as well as through the contractors' existing relationships. These contractors and partners will be able to provide potential solutions to the barriers identified in Milestone 3.3.1

Milestone 4.1.2 The City and the three (3) additional jurisdictions will quantify the jurisdiction's goals in GHG emissions reduced and the incremental targets to reach the goal. This, along with the integration of Milestones 3.2.1, 3.3.1, and 4.1.1, will result in four (4) Mobility Transformation Plans, which will be tailored to the communities of the individual jurisdictions and delivered in four (4) reports.

Subtask 4.2: Create an Operating Improvement Plan. (*M7-M10, Q3-Q4*)

The City and the three (3) additional jurisdictions will develop plans to modernize and improve the performance of the jurisdictions operated facilities, which will support the Mobility Transformation Plans. These plans set a path for implementing infrastructure upgrades, which will provide job opportunities, and reduce GHG emissions from the jurisdiction's facility operations. (CBP Subtasks 3.1, 4.2; CBP Milestone 4.2.1.)

Milestone 4.2.1 The City and the three (3) additional jurisdictions will host 1 energy code modernization workshop with assistance from a contractor selected to provide technical support to learn about potential strategies that can be adopted that are currently being used by similar local governments in the Midwest. (CBP Milestone 3.1.1)

Milestone 4.2.2 The City and the three (3) additional jurisdictions will identify and document facility improvement opportunities in four (4) reports using the results of Milestone 2.1.2.

Milestone 4.2.3 The City and the three (3) additional jurisdictions will quantify an overall operational goal in GHG emissions reduced and incremental targets to reach the goal. Additionally, an overall goal in GHG emissions reduced and incremental targets to reach for community-based GHG emissions calculated in Milestone 2.2.1 will be determined. This, along with the integration of Milestone 4.2.1, will result in four (4) Operating Improvement Plans, which will be tailored to the communities of the individual jurisdictions and delivered in four (4) reports.

Subtask 4.3: Develop the Regional Decarbonization Plan. (M9-M12, Q3-Q4)

The City and the three (3) additional jurisdictions will develop one (1) regional plan that incorporates the individual jurisdiction's Mobility Transformation Plans and Operational Improvement Plans. It will document the GHG emissions reduced and benefits of decarbonization for the communities which are outlined in the Community Benefits Plan.

Milestone 4.3.1 The City and the three (3) additional jurisdictions will quantify an overall goal for the region in GHG emissions reduced and the incremental targets to reach the goal. It will document the benefits of reaching each target and overall goal in one (1) integrated report with the results of Milestones 4.1.2 and 4.2.2, which will become the Regional Decarbonization Plan.

End of Project Goal: One (1) final report that incorporates the Mobility Transformation Plan and the Operating Improvement Plan. This will become the official Regional Decarbonization Plan for the City and the three (3) additional jurisdictions. This plan will aim to serve as a resource and guide for other jurisdictions as well.

D. Project Management and Reporting

Reports and other deliverables will be provided in accordance with the Federal Assistance Reporting Checklist following the instructions included therein.

Additional deliverables, as indicated in the task/subtask descriptions, include the following:

1. Milestone 1.1.1 – Four (4) lists of methods, which will be used for engagement, feedback, and to share updates with the communities.
2. Subtask 1.3 - Four (4) Preliminary Community Meeting Schedules.
3. Milestone 2.1.2 – Four (4) audit reports that include the 6-10 facilities that are operated.
4. Milestone 2.2.1 – Four (4) operating and community-based GHG emissions reports.
5. Milestone 2.3.2 – One (1) Regional GHG Emissions Report.
6. Milestone 3.2.1 – Four (4) fleet energy intensity and GHG emissions reports.
7. Milestone 3.3.1 – Four (4) Fleet and Mobility Assessment & Inventories.
8. Milestone 4.1.2 – Four (4) Mobility Transformation Plans.
9. Milestone 4.2.1 – Four (4) Facility Improvement Reports.
10. Milestone 4.2.2 – One (1) Report from the Energy Modernization Workshop.
11. Milestone 4.2.3 – Four (4) Operating Improvement Plans
12. Milestone 4.3.1 – One (1) Regional Decarbonization Plan.

Attachment 1 – Milestone Summary Table

Milestone Summary Table							
Recipient Name:		City of Madison					
Project Title:		Evolve: A Regional Mobility Transformation and Decarbonization Plan for Southeast Oakland County					
Task Number	Task or Subtask	Milestone Type	Milestone Number*	Milestone Description (Go/No-Go Decision Criteria)	Milestone Verification Process (What, How, Who, Where)	Anticipated Date (Months from Start of the Project)	Anticipated Quarter (Quarters from Start of the Project)
1.0	Community Engagement Plan						
1.1	Community engagement and feedback strategy	Milestone	1.1.1, CBP 1.1.1	Develop strategy with engagement methods	Four (4) PDF lists for The City and the three (3) additional jurisdictions will be delivered to DOE at the end of this milestone, and they will be updated quarterly. They will also be shared with the public.	2	1
1.2	Identify and engage potential partners	Milestone	1.2.1, CBP 1.2.1	Identify potential partners	One (1) PDF list of the partners will be delivered to the DOE at the end of this milestone.	3	1
2.0	Operating Performance Assessment & Inventory						
2.1	Perform energy and building performance audits on all jurisdiction-operated facilities	Milestone	2.1.1	Determine a common method of measuring and logging GHG emissions	One (1) PDF report outlining the single uniform method to calculate operating and community-based GHG emissions will be delivered to DOE at the end of this milestone.	1	1
2.1	Perform energy and building performance audits on all jurisdiction-operated facilities	Milestone	2.1.2	Complete operating facility assessments	Four (4) PDF reports with the results of the audits of the facilities operated by the City and three (3) additional jurisdictions will be delivered to the DOE at the end of this milestone.	6	2
2.2	Calculate GHG operating and	Milestone	2.2.1	Inventory all GHG emissions	Four (4) PDF reports that inventory the operating and community based GHG	7	3

	community based GHG emissions				emissions will be delivered to the DOE at the end of this milestone.		
2.3	Set a regional benchmark standard	Milestone	2.3.1	Set baseline for benchmark	One (1) PDF report identifying a uniform baseline timeframe will be delivered to the DOE at the end of this milestone.	6	2
2.3	Set a regional benchmark standard	Milestone	2.3.2	Create a Regional GHG Inventory	One (1) PDF report containing the regional GHG inventory will be delivered to the DOE at the end of this milestone.	7	3
3.0	Fleet and Mobility Assessment & Inventory						
3.2	Conduct a fleet inventory and audit	Milestone	3.2.1	Complete fleet inventory and audit	Four (4) PDF reports with the results of the audits of the fleets operated by the City and three (3) additional jurisdictions will be delivered to the DOE at the end of this milestone.	6	2
3.3	Determine barriers to electrification	Milestone	3.3.1	Identify barriers to implement mobility solutions & fleet electrification	Four (4) PDF reports from the City and the three (3) additional jurisdictions outlining the barriers to implement mobility solutions & fleet electrification will be delivered to the DOE at the end of this milestone.	7	3
4.0	Regional Decarbonization Plan						
4.1	Create a Mobility Transformation Plan	Milestone	4.1.1	Identify solutions to barriers in the Fleet and Mobility Assessment & Inventory	One (1) PDF report with potential solutions for the items identified in Milestone 3.3.1 will be delivered to the DOE at the end of this milestone.	7	3
4.1	Create a Mobility Transformation Plan	Milestone	4.1.2	Determine the goal and targets for the Mobility	Four (4) PDF reports from the City and the three (3) additional jurisdictions which set goals and targets for the Mobility	8	3

				Transformation Plan	Transformation Plan will be delivered to the DOE at the end of this milestone.		
4.2	Create an Operating Improvement Plan	Milestone	4.2.1, CBP 3.1.1	Host an Energy Code Modernization Workshop	One (1) PDF report from the City and the three (3) additional jurisdictions which outlines and summarizes the results of the Energy Code Modernization Workshop.	8	3
4.2	Create an Operating Improvement Plan	Milestone	4.2.2	Identify opportunities to improve performance of the facilities in the Operating Performance Assessment & Inventory	Four (4) PDF reports from the City and the three (3) additional jurisdictions which identify and document facility improvement opportunities will be delivered to the DOE at the end of this milestone.	9	3
4.2	Create an Operating Improvement Plan	Milestone	4.2.3	Determine the goal and targets for the Operating Improvement Plan	Four (4) PDF reports from the City and the three (3) additional jurisdictions which set a GHG reduction goal for the Operating Improvement Plan and incremental targets to reach it will be delivered to the DOE at the end of this milestone.	10	4
4.3	Develop the Regional Decarbonization Plan	End of Project Goal	4.3.1	Determine goal and targets for the Regional Decarbonization Plan	One (1) PDF report which sets an overall goal the Regional Decarbonization Plan and the incremental targets to reach it will be delivered to the DOE as the end of project goal.	12	4

Exhibit B: Community Benefits Plan & Community Benefits, Outcomes, and Objectives (CBP & CBOO)

Community Benefits Plan (CBP)
DE-SE0001147
The City of Madison Heights
Evolve: A Regional Mobility Transformation and Decarbonization Plan for
Southeast Oakland County

General Project Information:

The City of Madison Heights (the City) will create a Regional Decarbonization Plan along with the three (3) neighboring jurisdictions. This Regional Decarbonization Plan has three (3) goals: establishing a unified method for quantifying the GHG missions, understanding the impact of current operational and community-based GHG emissions, and developing strategies to enhance energy efficiency, building envelopes, and vehicle electrification while expanding mobility and alternative transportation options for the community. The community of Madison Heights, along with the communities of the three (3) additional jurisdictions, supports the concept of decarbonization because they understand the social, environmental, and economic benefits. This understanding has been fostered through community participation in environmental commissions engaged by the City and the three (3) other jurisdictions.

This project will take place in the operated facilities and among communities of the four (4) jurisdictions, which include eight (8) disadvantaged community (DAC) census tracts within the Cities of Madison Heights, Oak Park, and the Lamphere School District. The effects of this effort will extend to the neighboring Cities of Detroit, Royal Oak, Troy, Hazel Park, Warren, Royal Oak Township, Berkley, Huntington Woods, and Pleasant Ridge. The cities of Troy, Hazel Park, Warren, Royal Oak Township, and Detroit also include disadvantaged community census tracts. This Phase 1 planning project is 12-months or 1 budget period.

A. COMMUNITY AND LABOR ENGAGEMENT

- a. The City and the additional three (3) jurisdictions currently engage the communities through existing commissions, boards, and groups that have an interest in environmental issues. This engagement will continue with the development of four (4) Community Engagement Plans, which will provide opportunities for the communities to share input, contribute to the targets and goals of the plans, and update the communities on the project's progress. The Community Engagement Plan will enable the City and its partner jurisdictions to actively interface with the community and ensure that the voices of the DACs are heard and included in the feedback that will shape the Regional Decarbonization Plan. This will be aided through the partnership of organizations that are imbedded within it. Community engagement is crucial for the Mobility Transformation Plan, especially for completing a Community Mobility Assessment. The community engagement helps create an inventory of

community mobility needs, identify current barriers to electric vehicle adoption, and project future adoption rates.

b. Quarters 1-4

- Task 1 (SOPO Task 1): Community Engagement Plan
 - Subtask 1.1 (SOPO Subtask 1.1): Community engagement and feedback strategy.
 - **Month 2: CBP Milestone 1.1.1 (SOPO Milestone 1.1.1):** The City and the three (3) additional jurisdictions will each develop a list of methods (which include in-person, print, and web-based at a minimum) that they will be using to engage and receive feedback from the community. The team will ensure when receiving feedback or surveying the community that a proportionate percentage of the DACs are included in the feedback by identifying the members of the DAC using ZIP code and census tracts to confirm it. Updates will be delivered to the community quarterly (4 times throughout the budget period) at a minimum.

c. Quarters 1-2

- Task 1 (SOPO Task 1): Community Engagement Plan
 - Subtask 1.2 (SOPO Subtask 1.2): Identify and engage potential partners.
 - **Month 3: CBP Milestone 1.2.1 (SOPO Milestone 1.2.1):** The City and the three (3) additional jurisdictions will continue to build on partnerships that currently exist with 3 local commissions, 1 academic institution, and the engaged non-profit contractor partners. At a minimum, commitment and partnership of at least 3-4 organizations that have a connection to the region or serve the DACs is secured.
 - Subtask 1.3 (SOPO Subtask 1.3): Create a Preliminary Meeting Schedule
 - **Month 4: CBP Milestone 1.3.1 (SOPO Subtask 1.3):** A preliminary meeting schedule will be shared through the methods listed in Milestone 1.1.1. To maximize participation and feedback, alternative engagement methods will be considered, such as virtual meetings, community events, and libraries.
- Task 2 (SOPO Task 3): Fleet and Mobility Assessment
 - **Month 6: CBP Milestone 2.1.1 (SOPO Subtask 3.1):** The City and the three (3) additional jurisdictions will conduct community mobility assessments that determine the mobility needs, methods used and Electric Vehicle (EV) adoption rate of the community at large. The City and jurisdictions will ensure that a proportionate percentage of the DACs are included by using the methods referenced in milestone 1.1.1 and leveraging partnerships from Milestone 1.2.1 to meet them where they may receive services and have the trust of the partners.

B. INVESTING IN JOB QUALITY AND WORKFORCE CONTINUITY

- a. Although not realized by the City and additional three (3) jurisdictions in Phase 1, the following four milestones within this Community Benefits Plan will lay a strong foundation to support Investment in Job Quality and Workforce Continuity in Phase 2 and beyond: 1.2.1., 4.1.1, 4.2.1, 5.1.1.
- b. In Milestone 1.2.1, The City and the three (3) additional jurisdictions will build on their relationships with the two (2) non-profit contractors, one (1) of which currently has several training programs, including commercial building operator training, which can benefit the DACs. The other non-profit contractor advocates for and develops programs which include an Affordable Mobility Platform (AMP) for low-cost EV sharing that has been successfully implemented in three (3) jurisdictions in Michigan. This can be investigated as a potential solution in Phase 1 for potential future implementation in Phase 2 and will benefit the DACs with a potential option that makes training programs accessible by providing a reliable and low cost transportation method that is currently lacking in the community at large. Other partners will be evaluated with a factor for consideration that includes their track record of providing workforce development programs that could be supported by the team and relationships with the DACs which could benefit.

Milestones 4.1.1 and 4.2.1 will set in place a framework for selecting contractors that will be realized after the completion of Phase 1. The City and additional three (3) jurisdictions will commit to considering contractors to implement the resulting projects which have a track record of being responsible employers by providing a safe and healthy workplace, respecting the right of their employees to join or form a union, and hires locally/ engages the DACs when possible.

The completion of Milestone 5.1.1 will allow the City and additional three (3) jurisdictions to set criteria which can be used to evaluate potential suppliers for future purchases after the completion of Phase 1 based on the benefits they provide their employees, risk minimization practices in procurement and with regards to labor, career advancement, and access to the support services which may be needed for productivity and to be effective employees.

C. ADVANCING DIVERSITY, EQUITY, INCLUSION, AND ACCESSIBILITY (DEIA)

- a. The City and the three (3) additional jurisdictions have committed to working with Disadvantaged Business Entities (DBE) and Non-profit organizations to fulfill technical support and project management contractor needs. The team also recognize that these entities can provide valuable insights into strategies that have been successfully implemented and are beneficial for DACs.
- b. Quarter 3

- Task 3 (SOPO Task 4): Regional Decarbonization Plan
 - Subtask 3.1 (SOPO Subtask 4.2): Create an Operating Improvement Plan.
 - **Month 8: CBP Milestone 3.1.1 (SOPO Milestone 4.2.1):** The City and three (3) additional jurisdictions will host an Energy Code Modernization workshop with a non-profit contractor partner. The workshop can consider strategies that have been effective in similar jurisdictions with DACs facing similar burdens.

D. CONTRIBUTING TO THE JUSTICE40 INITIATIVE

- a. In phase 1, the City's project will develop a strategy to support at least five (5) of the eight (8) objectives of the Justice 40 Initiatives. This will create a blueprint for the future that will decrease the burdens of environmental exposure associated with GHG emissions. It will also put into place a framework that will increase energy resilience through a plan to improve energy efficiency, which will also result in a reduction of overhead energy costs for the jurisdictions.
 - The DACs that will benefit include but are not limited to the following census tracts: 26125181600, 26125181300, 26125181000, 26125171300, 26125171500, 26125171600.

One benefit that will be realized during and upon completion of phase 1 will be an increase in access to low-cost capital after the development of the Operating Improvement Plans and Mobility Transformation Plans, which will identify potential opportunities. These opportunities have the potential to be funded through various programs that are already in place and may be announced during phase 1 through the federal, state, and other organizations that share similar overall goals of decarbonization.

The creation of the four (4) Mobility Transformation Plans will increase parity in clean energy technology access. These plans will establish clear and actionable goals to meet their targets. After the Mobility Transformation Plan is completed, it will allow the jurisdictions to leverage their collective power to negotiate with suppliers and take advantage of existing and potential funding opportunities. This sets up the jurisdictions to be early adopters with a model for neighboring communities and school districts, encouraging them to develop their own electrification plans and leverage similar opportunities. Regional communities can also benefit from the education and outreach programs available to businesses. Additionally, the four (4) jurisdictions will share resources and insights from the Energy Future Grant Program application and phase 1 of this project.

- b. Quarters 3-4
 - Task 4 (SOPO Task 4): Regional Decarbonization Plan

- Subtask 4.1 (SOPO Subtask 4.1): Create a Mobility Transformation Plan.
 - **Month 10: CBP Milestone 4.1.1 (SOPO Subtask 4.1):** The City and additional three (3) jurisdictions will align solutions (projects) identified in the Mobility Transformation Plan with existing sources of funding from the Federal, State, or local governments and through potential partners.
- Subtask 4.2 (SOPO Subtask 4.2): Create an Operating Improvement Plan.
 - **Month 10: CBP Milestone 4.1.2 (SOPO Subtask 4.2):** The City and additional three (3) jurisdictions will align solutions (projects) identified in the Operating Improvement Plan with existing sources of funding from the Federal, State, or local governments and through potential partners.
- Task 5 (SOPO Task 4): Regional Decarbonization Plan
 - Subtask 5.1 (SOPO Subtask 4.1): Create a Mobility Transformation Plan.
 - **Month 10: CBP Milestone 5.1.1 (SOPO Subtask 4.1):** The completion of the Mobility Transformation Plan will increase access to clean energy technology for the city and three (3) additional jurisdictions. This will give the communities the ability to leverage existing and potential programs and greater power to negotiate as a collective unit, making them equal to a unit they cannot match individually.
 -

End of Project Goal: The City, along with three (3) additional jurisdictions, will develop one (1) Regional Decarbonization Plan by the end of this project. This Regional Decarbonization Plan will incorporate community and labor engagement by using feedback from local communities and ensuring proportional representation of Disadvantaged Communities (DACs). It will promote diversity, equity, inclusion, and accessibility by utilizing contractors who are Disadvantaged Business Enterprises (DBEs) and non-profit organizations. Furthermore, the Regional Decarbonization Plan will support the Justice 40 Initiative by including specific measures to enhance the jurisdictions' operations, provide mobility solutions for the community, and implement a greenhouse gas (GHG) reduction strategy upon the completion of Phase 1.

Summary Table: Community Benefits Outcomes and Objectives (CBOO)

Category and Commitment	Existing or Planned	Budget Period 1 milestone
Community and Labor Engagement		
<i>Community Benefits Agreement</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not at this time This is not applicable.	

<i>Collective bargaining agreement (operating jobs)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not at this time This is not applicable.	
<i>Project Labor Agreement (construction jobs)</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> Not at this time This is not applicable.	
<i>Other community and labor engagement commitments</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Partnerships with a minimum of 3-4 organizations that can assist with engaging DACs (SOPO Milestone 1.2.1) 4 meeting schedules, 1 each from the City and the three (3) additional jurisdictions, with at least 1 meeting per quarter (SOPO Subtask 1.3)
<i>Community feedback and data incorporated into the project</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not at this time (If “Not at this time”, please provide an explanation in this cell).	4 lists, 1 each from the City and the three (3) additional jurisdictions, with at least 3 different engagement and feedback methods (SOPO Milestone 1.1.1) 4 mobility assessment reports, 1 each from the City and the three (3) additional jurisdictions, ensuring that the DACs are proportionately represented in the feedback that is incorporated in the reports through leveraging partnerships and locations they frequent (SOPO Subtask 3.1)
Investing in Quality Jobs		
<i>Total Number of Permanent Operations Jobs:</i>	This is not applicable.	
<i>Number of Construction phase jobs:</i>	This is not applicable.	
<i>Minimum starting wage for permanent hourly jobs:</i>	This is not applicable.	
<i>Pay upper quartile wages for industry and occupation</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Fringe Benefits</i>	<input type="checkbox"/> Employer-sponsored health insurance <input type="checkbox"/> Contributions to retirement <input type="checkbox"/> Transportation assistance <input type="checkbox"/> Childcare assistance This is not applicable.	

<p><i>Training</i></p>	<p><input type="checkbox"/> Contributions to labor-management training partnership</p> <p><input type="checkbox"/> Utilization of registered apprentices for at least 15% of construction jobs</p> <p><input type="checkbox"/> Paid training</p> <p><input type="checkbox"/> Tuition support or reimbursement</p> <p>This is not applicable.</p>	
<p><i>Health and Safety Committee with Hourly Worker Representation</i></p>	<p><input type="checkbox"/> Yes</p> <p><input checked="" type="checkbox"/> Not at this time</p> <p>This is not applicable.</p>	
<p><i>Support for Worker Organizing/Collective Bargaining</i></p>	<p><input type="checkbox"/> Pledge to make public any commitment made in the CBP to remain neutral during any union organizing campaigns</p> <p><input type="checkbox"/> Pledge to permit union recognition through card check</p> <p><input type="checkbox"/> Intention to enter into binding arbitration to settle first contracts</p> <p><input type="checkbox"/> Pledge to make public any commitment made in the CBP to allow union organizers access to appropriate onsite nonwork spaces (e.g. lunchrooms)</p> <p><input type="checkbox"/> Pledge to make public any commitment made in the CBP to refrain from holding captive audience meetings</p> <p><input type="checkbox"/> [Applies to For-Profit-Entities] Certify, consistent with 2 CFR 910.352 (<i>Cost Principles</i>) and 48 CFR 31.205-21 (<i>Labor Relations Costs</i>), that they will not claim as cost share or submit any such costs as allowable costs, the "costs of any activities undertaken to persuade employees, of any entity, to exercise or not exercise, or concerning the</p>	

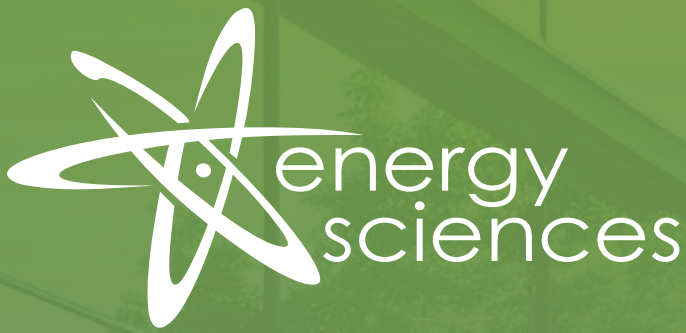
	<p>manner of exercising, the right to organize and bargain collectively through representatives of the employees' own choosing." (48 CFR 31.205-21)</p> <p>This is not applicable.</p>	
Other Job Quality & Workforce	This is not applicable.	
Diversity, Equity, Inclusion, and Accessibility		
<i>Local recruitment efforts</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Targeted recruitment efforts</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Partnering or contracting with Minority-Serving Institutions or businesses majority owned or controlled by underrepresented persons or groups of underrepresented persons.</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Partnership with a Women-Owned firm for the main contractor and 2 non-profits for technical support	
<i>Partner with quality pre-apprenticeship or apprenticeship readiness program.</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Other DEIA</i>		1 workshop with the City, three (3) additional jurisdictions, non-profit contractor partner to review, discuss, and consider options to implement energy code modernization strategies in each of the jurisdictions (SOPO Milestone 4.2.1)
Justice40 Initiative (disadvantaged communities)		
<i>Identifies benefits/impacts</i>	<input checked="" type="checkbox"/> Yes (26125181600, 26125181300, 26125181000, 26125171300, 26125171500, 26125171600).	

	<input type="checkbox"/> No	
<i>Reduction in energy costs</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No A framework to achieve this through future implementation will be developed, but not realized in this phase.	
<i>A decrease in environmental exposure and burdens</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No A framework to achieve this through future implementation will be developed, but not realized in this phase.	
<i>An increase in access to low-cost capital</i>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4 Mobility Transformation Plans, 1 each from the City and the three (3) additional jurisdictions, which can be used to align the solutions identified with existing or upcoming programs (SOPO Subtask 4.1) 4 Operating Improvement Plan, 1 each from the City and the three (3) additional jurisdictions, which can be used to align the solutions identified with existing or upcoming programs (SOPO Subtask 4.2)
<i>An increase in quality job creation, the clean energy job pipeline, and job training for individuals</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Increases in clean energy enterprise creation and contracting</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable..	
<i>Increases in energy democracy, including Tribal nation or community ownership of project assets</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This is not applicable.	
<i>Increased parity in clean energy technology access and adoption</i>	<input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	4 Mobility Transformation Plans, 1 each from the City and the three (3) additional jurisdictions, which can be used to negotiate pricing with suppliers as a collective unit (SOPO Subtask 4.1)
<i>An increase in energy and climate resilience</i>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

	A framework to achieve this through future implementation will be developed, but not realized in this phase.	
<i>Other Justice40</i>	This is not applicable.	

Exhibit C: Fees & Schedule Details

Task/ Subtask	Task & Subtask Description	Ferndale Budget (\$)	Oak Park Budget (\$)	Lamphere Budget (\$)	Energy Sciences Budget (\$)	MICC Budget (\$)	MEEA Budget (\$)	Total (\$)
1	Community Engagement Plan							
1.1	Community engagement and feedback strategy.	\$ 160.00	\$ 160.00	\$ 160.00	\$ 22,720.00	\$ -	\$ -	\$ 23,200.00
1.2	Identify and engage potential partners.	\$ 160.00	\$ 160.00	\$ 160.00	\$ 15,520.00	\$ -	\$ -	\$ 16,000.00
1.3	Create a Preliminary Community Meeting Schedule.	\$ 160.00	\$ 160.00	\$ 160.00	\$ 7,360.00	\$ -	\$ -	\$ 7,840.00
	Task 1 Totals	\$ 480.00	\$ 480.00	\$ 480.00	\$ 45,600.00	\$ -	\$ -	\$ 47,040.00
2	Operating Performance Assessment & Inventory							
2.1	Perform energy and building performance audits on all jurisdiction-operated facilities.	\$ -	\$ 28,800.00	\$ 67,840.00	\$ 57,900.00	\$ -	\$ -	\$ 154,540.00
2.2	Calculate GHG operating and community based GHG emissions.	\$ 8,000.00	\$ 16,000.00	\$ 15,000.00	\$ 25,900.00	\$ -	\$ -	\$ 64,900.00
2.3	Set a regional benchmark standard.	\$ 960.00	\$ 1,000.00	\$ 1,000.00	\$ 2,920.00	\$ -	\$ -	\$ 5,880.00
	Task 2 Totals	\$ 8,960.00	\$ 45,800.00	\$ 83,840.00	\$ 86,720.00	\$ -	\$ -	\$ 225,320.00
3	Fleet and Mobility Assessment & Inventory							
3.1	Conduct a community mobility assessment.	\$ 1,600.00	\$ 800.00	\$ 320.00	\$ 11,680.00	\$ 5,000.00	\$ -	\$ 19,400.00
3.2	Conduct a fleet inventory and audit.	\$ 14,400.00	\$ 15,000.00	\$ 2,500.00	\$ 23,480.00	\$ 10,500.00	\$ -	\$ 65,880.00
3.3	Determine barriers to electrification.	\$ 3,200.00	\$ 3,200.00	\$ 3,200.00	\$ 7,680.00	\$ 4,000.00	\$ -	\$ 21,280.00
	Task 3 Totals	\$ 19,200.00	\$ 19,000.00	\$ 6,020.00	\$ 42,840.00	\$ 19,500.00	\$ -	\$ 106,560.00
4	Regional Decarbonization Plan							
4.1	Create a Mobility Transformation Plan.	\$ 3,200.00	\$ 2,400.00	\$ 1,600.00	\$ 20,000.00	\$ 4,000.00	\$ -	\$ 31,200.00
4.2	Create an Operating Improvement Plan.	\$ 6,560.00	\$ 6,400.00	\$ 6,400.00	\$ 33,600.00	\$ 1,500.00	\$ 12,000.00	\$ 66,460.00
4.3	Develop the Regional Decarbonization Plan.	\$ 1,600.00	\$ 920.00	\$ 1,660.00	\$ 19,240.00	\$ -	\$ -	\$ 23,420.00
	Task 4 Totals	\$ 11,360.00	\$ 9,720.00	\$ 9,660.00	\$ 72,840.00	\$ 5,500.00	\$ 12,000.00	\$ 121,080.00
	Project Totals	\$ 40,000.00	\$ 75,000.00	\$ 100,000.00	\$ 248,000.00	\$ 25,000.00	\$ 12,000.00	\$ 500,000.00



16 years of
sustainable
service

Thank you!

**Please contact us if you have any questions!
To learn more about us, head to:**

www.energysciencesllc.com