

**Information to be included in all Legislation authorizing
Entering into Contracts:**

The names of all companies bidding, or submitting an RFP or RFSQ

Go Sustainable Energy
AEP Energy
Telamon Energy
Mercer & Company

The location by City and State of all companies bidding, or submitting an RFP or RFSQ

Go Sustainable – Columbus, OH
AEP Energy – Chicago, IL
Telamon Energy – Carmel, IN
Mercer & Company – San Diego, CA

**The status, Majority, MBE or FBE, of all companies bidding, or submitting an RFP or
RFSQ**

Go Sustainable Energy - MAJ
AEP Energy - MAJ
Telamon Energy - unknown
Mercer & Company - unknown

**A full description of all work to be performed including a full description of work to be
performed during any known phasing of the contract.**

Two major task areas in RFQ022065, "Task 1: Renewable Energy Procurement Support" and "Task 2: Energy Efficiency Support", each with a variety of subtasks. Based on discussions with DPU staff and our understanding of DPU priorities, we have added "Task 3: Utility Programing" as an organizational category to document subtasks that involve developing or influencing utility programs such as peak load management, building electrification, transit electrification, or related matters. This proposal addresses Tasks 1 and 3.

Task 1: Renewable Energy Procurement Support

These are the subtasks that we have currently estimated for inclusion in our 2023 budget, in order of our current understanding of priority.

- Ongoing technical evaluation of DOP's Procurement Plan Strategies to support DOP's path to 100% renewable energy by 2030 (with subcontractor Scioto).
- Consider and compare renewable energy and decarbonization methods that will likely influence the procurement strategies considered by DOP such as additionality, REC types, REC source, and REC locations. • Update and supplement the 100% renewable energy roadmap document. • Collaborate with DOP and its legal team at McNees on procurement strategies and options. • Advise DOP on potential rate / tariff modifications that may be necessary as part of this transition to 2030. • Note: Finalizing new tariffs and rates for public release may require additional work in subsequent years or reprioritization of tasks in 2023.
- Quarterly updates of DOP's economic model (previously developed by Go) as an input to DOP's Pro Forma

• DOP Distribution circuit capacity analysis and mapping (with subcontractor Patrick Engineering) - Discovery and Roadmapping -

- First, perform a high-level circuit capacity analysis by creating a spreadsheet to summarize the known or estimated minimum load, maximum load, and theoretical circuit capacity for each circuit. This will enable a first-order estimate (best case and worst case) of how much solar, EVs, and microgrids could be deployed on each circuit. Note: DOP's electrical engineers would be necessary to help obtain inputs and other needs during this step.
 - Second, analyze the Climate Action Plan (CAP) to estimate the potential impacts to DOP's system based on goal achievement (i.e. if rooftop solar, EVs, and microgrids are deployed to meet the CAP, what modifications may be needed to DOP's system or processes). Use the high-level circuit spreadsheet to flag if any of the goals would be beyond DOP's system capacity.
 - Third, generate a roadmap documenting the necessary or ideal steps for DOP to succeed in supporting the CAP. This would inform DOP's next steps on Capacity Mapping (i.e. number of circuits, locations, and level of detail), adjusting climate action plans, determining other ways to meet the climate action plan, or planning DOP system upgrades. This should also inform DOP's potential need for connectivity between the electrical engineering system model and DOP's GIS system. Additionally, this scope could compare and identify technologies and / or systems that DOP may consider.
 - Fourth, if needed and if budget allows, create more detailed capacity analysis/map for a select number of circuits that would likely be needed to meet EMP goals such as community solar, microgrids, and DPU fleet EV.
- Perform a high-level feasibility study of floating solar for DPU sites.
- Research available technology and associated cost of floating solar.
 - Preliminary research into co-benefits of floating solar (i.e. evaporation reduction).
 - Analyze energy production potential of DPU reservoir or other water housing sites.

Task 2: Energy Efficiency Support

2023 Subtasks

These are the subtasks that we have currently estimated for inclusion in our 2023 budget. Within multiple of these subtasks, we identify the most likely steps that might be taken in order to optimize impact & budget while allowing for feedback and course-correction.

- Review ASHRAE Level II energy audit reports and recommendations for the Jackson Pike Wastewater Treatment Plant and Hap Creman Water Plant to assist with subsequent audits at other City-owned wastewater and water treatment plants. Activities could include:
 - o Review audit reports for quality and actionability of recommendations. Provide the City questions and comments if appropriate.
- Discuss one or both audit reports with facility contacts to learn about barriers to implementation or next step plans.
- Visit one or both sites to understand the feasibility of the audit recommendations.
- Collaborate with Finance and Management and Sustainable Columbus staff on plans for implementation of net-zero or other applicable design standards at newly constructed facilities.

Activities could include: o Reviewing current or future RFPs and proposals for the new water plant and / or other DOP facilities and documenting feasibility of what net-zero might look like.

- Advise stakeholders on lessons learned, critical features, and available paths to net-zero new facilities and major renovations.
- Assist stakeholders with the development of net-zero standards, tools, and supporting documents.
- Serve as an owner's advocate during the construction and commissioning of projects to help ensure energy efficiency and renewable energy features are properly understood and installed.

Task 3: Utility Programing

These are the subtasks that we have currently estimated for inclusion in our 2023 budget. Within multiple of these subtasks, we identify the most likely steps that might be taken in order to optimize impact & budget while allowing for feedback and course-correction.

Both of these subtasks can help DOP promote electrification within its service territory, gain new customers, and increase the opportunity to sell electricity and serve customers.

- Assist with DOP with understanding its Municipal EV Fleet goal across the spectrum of converting DPU-owned vehicles to electric equivalents, installing electric vehicle charging at DPU, DOP, or related sites, and how DOP would assess the costs of charging.
- Meet with DOP and other appropriate stakeholders to understand the current municipal EV fleet "EMP" that requires converting 100% of municipal light duty passenger vehicles owned by Department of Public Utilities by 2030. The current fleet identified includes the following vehicles: • 156 for the Department of Sewers and Drains • 168 for Division of Water • 21 for Division of Power
- Analyze the impact of fleet electrification to each major site and / or meter that houses fleet vehicles including potential high-level impacts on facility energy use and electrical site infrastructure.
 - Analyze DOP and "customer" economics and document preliminary tariff options for DOP's consideration (for example, DOP and its fleet customers might mutually benefit from a tariff that avoids charging during specific grid peaks.)
 - If needed, identify electric vehicle infrastructure "ownership options"

A narrative timeline for the contract including a beginning date, beginning and ending dates for known phases of the contract and a projected ending date.

The initial contract will be for a one-year period, from date of execution through December 31, 2023. The City may authorize up to two (2) one-year contract renewals depending on the City's needs and performance of the Consultant.

An estimate of the full estimated cost of the Contract including a separate estimate of any and all phases or proposed future contract modifications.

Original Contract: \$380,000.00

Year 2: \$150,000.00

Year 3: \$150,000.00