



Financial Services Audit Committee Communication

Date: September 23, 2022

To: Great Lakes Water Authority Audit Committee

From: Dana Bierer, CPA, Manager - Special Projects

Re: Grants, Gifts, and Other Resources Report through July 31, 2022

Background: The Great Lakes Water Authority (GLWA) delegated authority to the Chief Executive Officer to oversee and report on activities identified in the GLWA Articles of Incorporation related to solicitation and receipt of grants, gifts, and other resources as stated in Article 4 – Powers, Section B (4):

(4) Solicit, receive, and accept gifts, grants, labor, loans, contributions of money, property, or other things of value, and other aid or payment from any federal, state, local, or intergovernmental government agency or from any other person or entity, public or private, upon terms and conditions acceptable to the Authority, or participate in any other way in a federal, state, local, or intergovernmental government program.

Other resources in this context refer to labor, contributions of money, property, or other things of value from any other person or entity, public or private with the exception for loans, subject to provisions of the GLWA Board Debt Management Policy, and Intergovernmental agreements and other activities that are addressed in the GLWA Board Procurement Policy.

Participation in any other way in a federal, state local, or intergovernmental government program includes participation in research projects at universities.

Refer to the Grants, Gifts, and Other Resources Delegation Policy at [Grants, Gifts, and Other Resources Delegation Policy - GLWA \(glwater.org\)](https://www.glwwater.org/Grants-Gifts-and-Other-Resources-Delegation-Policy).

Analysis: To ensure transparency and timely communication, this report is provided to the Board, no less than quarterly, documenting activities subject to the policy. The report will, at a minimum, include description, type of activity, dollar amount, compliance and/or performance requirements, if any, and status including, at a minimum, solicitation, acceptance, and close-out.

Bolded items in the attached tables reflect changes from the prior report.

Highlights of this quarter's report includes the following.

- ✓ FEMA increased the small project threshold under major disasters and emergencies to \$1 million. This change is intended to shorten the process for reimbursement requests through FEMA. This applies to both DR-4494-MI, Michigan Covid-19 Pandemic, and DR-4607-MI, Michigan Severe Storms, Flooding, and Tornadoes.
- ✓ FEMA DR-4494-MI, Michigan Covid-19 Pandemic, has a large project that was obligated for more than \$1.8 million for costs incurred from March-June 2020 for emergency protective measures. This \$1.8 million is included in \$3 million expected to be reimbursed in FY2023.
- ✓ DOE application under review - GLWA applied for a \$1.875 million Renewable Energy Research and Development Grant focused on converting organic wet waste to transportation fuels. \$1.5 million would be funded by the DOE, \$295k will be matched by GLWA and \$80k will be matched by a sub-recipient. The DOE review process is expected to be completed before December 2022.
- ✓ Collaborative project initiated in June 2022 with Wayne State University to create a workforce and laboratory center of the future for \$584k at Water Works Park.

This report presents the Grants, Gifts, and Other Resources across three tables.

Table 1 - Grant Submissions reflects open FY2020, FY2021, FY2022 submissions, and FY2023 submissions to date. The summarized activity provided identifies six programs with 11 reimbursement requests and one new application.

Table 2 - Participation in Other Federal, State, Local or Intergovernmental Programs reflects open FY2020, FY2021, FY2022 projects, and FY2023 project submissions to date. The summarized activity provided identifies 17 projects with GLWA as a contributor and/or participant with efforts being conducted by a university or government program.

Table 3 - Closed Programs reflects 10 programs with 10 reimbursement requests and receipts in FY2021, FY2022, and FY2023 through July 31, 2022.

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Table 1 - Grant Submissions reflects open FY2020, FY2021, FY2022, and FY2023 submissions to date. The summarized activity provided identifies six programs with 11 grant reimbursement request submissions and one new application, separately identified.

Table 1 - Grant Submissions

| Reference Number | Request Date | Program Description | Type of Activity | Amount Requested | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|--------------|---|-------------------------------------|------------------|--|--------------------|---------------------|
| 2020-002a | 09/15/2020 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 144208 | Federal Grant (Reimbursement Basis) | \$1,858,713 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |
| 2022-005 | 03/25/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 553713 | Federal Grant (Reimbursement Basis) | \$573,325 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |
| 2022-006 | 03/03/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 149797-Amended | Federal Grant (Reimbursement Basis) | \$103,592 | Federal Audit Requirements (add to existing audit program) | FEMA is reviewing | Dana Bierer |
| 2022-007 | 05/27/2021 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 149800 | Federal Grant (Reimbursement Basis) | \$16,123 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |
| 2022-008 | 06/23/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 676268 | Federal Grant (Reimbursement Basis) | \$470,475 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |

| Reference Number | Request Date | Program Description | Type of Activity | Amount Requested | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|--------------|--|-------------------------------------|------------------|--|--|---------------------------------------|
| 2022-009 | 06/26/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 676489 | Federal Grant (Reimbursement Basis) | \$79,557 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |
| 2022-010 | 07/01/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 677321 | Federal Grant (Reimbursement Basis) | \$70,039 | Federal Audit Requirements (add to existing audit program) | State is reviewing | Dana Bierer |
| 2022-002 | 01/06/2022 | Federal Emergency Management Agency (FEMA), June 25-26 Flood, DR-4607 Multiple projects including two mitigation projects | Federal Grant (Reimbursement Basis) | \$1,070,000 | Federal Audit Requirements (add to existing audit program) | Pending application completion | Dana Bierer |
| 2022-004 | 02/23/2022 | Water Technician Registered Apprenticeship Program- \$2,225 per apprentice, 25 apprentices | Macomb Community College Tuition | \$55,625 | None | \$4,208 received; Ongoing | Patricia Butler |
| 2021-003 | 02/18/2021 | The Michigan Department of Environment, Great Lakes, and Energy (EGLE) Watershed Council Support Program | State Grant (Reimbursement Basis) | \$40,000 | Quarterly Progress Reports | \$4,050 received 06/27/2022; Ongoing | Dan Gold |
| 2021-007 | 06/23/2021 | United States Environmental Protection Agency - EGLE Surface Water Intake Protection Program (SWIPP) | Federal Grant (Reimbursement Basis) | \$50,000 | Quarterly Progress Reports Match \$50,000 | \$7,106 received 08/09/2022; Ongoing | Mary Lynn Semegen and Terry Daniel |
| 2022-014 | 06/06/2022 | Department of Energy Renewable Energy Research and Development | Federal Grant (Reimbursement Basis) | \$1,500,000 | Quarterly Progress Reports Match \$275,000 | Applied | John Norton |

Table 2 Participation in Other Federal, State, Local or Intergovernmental Programs reflects all open FY2020, FY2021, FY2022 projects, and FY2023 projects to date. The summarized activity provided identifies 17 projects with GLWA as a contributor and/or participant in research being conducted by a university or government program.

Table 2 - Participation in Other Federal, State, Local, or Intergovernmental Programs

| Reference Number | Start Date | Program Description | Type of Activity | Amount to be Provided | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|-------------|---|---|--|--|---------|---------------------|
| 2020-004 | Pre-FY 2019 | Phosphorus & Oxygen Control; Collection System Optimization Contract 1900169 | Multiple Projects with University of Michigan | \$210,259 (Life to date through FY2022) \$246,823 (Contract amount) | None | Ongoing | John Norton |
| 2020-005 | FY2020 | PFAS Health & Ecological Impacts Contract 1902151 | Wayne State University Project | \$140,491 (Life to date through FY2022) \$192,153 (Contract amount) | None | Ongoing | John Norton |
| 2020-007 | FY2020 | Transport/Fate of Nutrients in Biosolids Contract 1902059 | Michigan State University Project | \$246,802 (Life to date through FY2022) \$277,470 (Amended contract amount) | None | Ongoing | John Norton |
| 2020-009 | 07/22/2020 | Implementation of LTCP modeling Contract 2001434 | University of Michigan Project | \$528,676 (Life to date through FY2022) \$636,702 (Contract amount) | None | Ongoing | John Norton |
| 2020-010 | 08/01/2020 | Microplastics and Human Health Contract 1904710, 2103303 | Wayne State University Project | \$137,177 (Life to date through FY2022) \$195,000 (Contract amount) | | Ongoing | John Norton |

| Reference Number | Start Date | Program Description | Type of Activity | Amount to be Provided | Compliance and/or Performance Requirements | Status | Team Member Contact |
|-----------------------|------------|---|--|--|--|---------|---------------------|
| 2020-008, 2020-013 | 08/01/2020 | Surveillance of Covid-19 in Southeast MI Wastewater- Expanded project scope- Phase 1, Phase 2, Phase 3, Phase 4 Contract 2001402 | State of Michigan/ CDM Smith and Michigan State University | \$232,560 (Life to date through FY2022) GLWA receiving samples and analytics. \$267,458 (Contract amount) (Project worth \$3,200,000) | None | Ongoing | John Norton |
| 2020-014 | 12/29/2020 | Assessing biosolid treatment processes on pollutant environmental fate on plant uptake Contract 2103714 | US Environmental Protection Agency (EPA)/ Michigan State, Colorado State, and University of Georgia | \$100,000 and in-kind labor for program participation (Contract amount) (Project worth \$1,498,000) | None | Ongoing | John Norton |
| 2021-004 | 03/17/2021 | Project GREEN-Accumulation of Per- and Polyfluoroalkyl Substances in Historically Archived Corn and Wheat Grains Contract 2103224 | Michigan State University Project | \$20,000 (Contract amount) (Project worth \$69,999) | None | Ongoing | John Norton |

| Reference Number | Start Date | Program Description | Type of Activity | Amount to be Provided | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|------------|---|--|---|--|---------|---------------------|
| 2021-005 | 05/04/2021 | Converting Biosolids into Diesel | Department of Energy (DOE)/ Pacific Northwest National Labs (PNNL) | In-kind labor and facility for research and analysis with PNNL (Project worth \$740,750) | None | Ongoing | John Norton |
| 2021-008 | 07/12/2021 | Method Development for Detection of Human Sources of Fecal Contamination in the Watershed Contract 2100771 | Wayne State University Project | \$50,198 (Life to date through FY2022) \$297,560 (Contract amount) | None | Ongoing | John Norton |
| 2021-009 | 03/30/2021 | Life cycle assessment Contract 2001595 | University of Michigan Project | \$65,464 (Life to date through FY2022) \$234,726 (Contract amount) | None | Ongoing | John Norton |
| 2021-010 | 02/11/2021 | Prestressed concrete cylinder pipe (PCCP) Study on Loss of Preload Contract 2101210 | Tarrant Regional Water District | \$20,000 (Contract amount) (Project worth \$100,000) | None | Ongoing | John Norton |
| 2021-011 | 04/29/2021 | Integrated biochemical electrochemical technologies (IBET) | University of Michigan Project | \$312,500 and in-kind labor and facility for program participation (Contract amount; Project worth \$6,790,983) | None | Ongoing | John Norton |

| Reference Number | Start Date | Program Description | Type of Activity | Amount to be Provided | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|------------|--|--------------------------------|---|--|---------|---------------------|
| 2021-012 | 11/19/2021 | Michigan Industry Cluster Approach 3.0 (MICA 3.0) Employer Partnership | Focus: Hope | GLWA leading employer collaboration (Project worth \$250,000) | None | Ongoing | Patricia Butler |
| 2022-011 | 10/05/2021 | Volatile Fatty Acid Analysis Contract 2102174 | Wayne State University Project | \$28,499 (Life to date through FY2022) \$62,600 (Contract amount) | None | Ongoing | John Norton |
| 2022-012 | 01/26/2022 | Data Driven Decision Making Framework Contract 2102864 | University of Michigan Project | \$89,408 (Life to date through FY2022) \$590,179 (Contract amount) | None | Ongoing | John Norton |
| 2022-013 | 06/10/2022 | Create Workforce and Laboratory of the Future at Water Works Park Contract 2104064 | Wayne State University Project | \$584,114 (Contract amount) | None | Ongoing | John Norton |

Table 3 Closed Programs reflects 10 programs with 10 reimbursement requests and receipts in FY2021, FY2022, and FY2023 through July 31, 2022.

Table 3 - Closed Programs

| Reference Number | Request Date | Program Description | Type of Activity | Amount | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|---|---|--|--|--|--|---------------------|
| 2020-001 | 08/31/2020; 09/23/2020; 10/26/2020; 11/23/2020 | Wage Incentive used for qualified apprentices | MOU with DESC (Detroit Employment Solutions Corporation) and SER-Metro Detroit | \$12,000 (\$3,000 per month) | Minimum wage and monthly work hour requirements | \$12,000 received | Patricia Butler |
| 2020-002b | 11/11/2020 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 149797 | Federal Grant (Reimbursement Basis) | \$84,244 | Federal Audit Requirements (add to existing audit program) | \$84,244 received 10/14/2021 | Dana Bierer |
| 2020-002c | 02/09/2021 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 149800 | Federal Grant (Reimbursement Basis) | \$16,123 | Federal Audit Requirements (add to existing audit program) | \$16,123 received 10/14/2021 | Dana Bierer |
| 2020-003 | Pre-FY 2019 | Anaerobic Digestion Project CS-217 | Michigan State University Project | \$355,742 (Life to date through FY2022) \$355,800 (Contract amount) | None | Completed | John Norton |
| 2020-006 | FY2020 | Lake Huron to Lake Erie Monitoring Platform; Photocatalytic UV materials | Multiple Projects with Wayne State University | \$1,284,500 (Contract amount) | None | Program not initiated; no resources provided | John Norton |

| Reference Number | Request Date | Program Description | Type of Activity | Amount | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|--------------|--|---|--|--|--|---------------------|
| 2020-011 | Pre-FY2020 | Smart Pipes Contract 1900902 | University of Michigan Project | \$356,460 (Life to date through FY2022) \$356,610 (Contract amount) | None | Completed | John Norton |
| 2020-012 | Pre-FY2020 | Phosphorus and Oxygen Control; Collection System Optimization Contract 1900169 | Multiple Projects with University of Michigan | \$250,000 (Contract amount) | None | Program incorporated into similar 2020-004 program | John Norton |
| 2021-001 | 01/01/2021 | The Michigan Department of Environment, Great Lakes, and Energy (EGLE) Drinking Water Asset Management (DWAM) Grant CS-198 | State Grant (Reimbursement Basis) | \$998,047 | None | Not received | Jody Caldwell |
| 2021-002 | 02/01/2021 | Southeast Michigan Council of Governments (SEMCOG) Infrastructure Asset Management Program | Organization of Local Governments (Reimbursement Basis) | \$29,951 | None | \$29,951 received 02/18/2021 | Jody Caldwell |
| 2021-006 | 06/21/2021 | Improving Arrested Anaerobic Digestion Using Vacuum-Based IntensiCarb Reactors | DOE, Office of Energy Efficiency and Renewable Energy/ University of California Irvine | In-kind labor for program participation (Project worth \$3,875,000) | None | Program not initiated; no resources provided | John Norton |
| 2021-013 | 12/28/2021 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 552205 | Federal Grant (Reimbursement Basis) | \$36,014 | Federal Audit Requirements (add to existing audit program) | \$36,014 received 06/27/2022 | Dana Bierer |

| Reference Number | Request Date | Program Description | Type of Activity | Amount | Compliance and/or Performance Requirements | Status | Team Member Contact |
|------------------|--------------|--|--|--------------|--|---|---------------------|
| 2022-001a | 03/03/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 435200 | Federal Grant (Reimbursement Basis) | \$92,033 | Federal Audit Requirements (add to existing audit program) | \$92,033 received 06/27/2022 | Dana Bierer |
| 2022-001b | 03/03/2022 | Federal Emergency Management Agency (FEMA) activity related to COVID-19 Project 553382 | Federal Grant (Reimbursement Basis) | \$63,842 | Federal Audit Requirements (add to existing audit program) | \$63,842 received 06/27/2022 | Dana Bierer |
| 2022-003 | 01/20/2022 | Federal Emergency Management Agency (FEMA), Building Resilient Infrastructure and Communities (BRIC) Northwest Interceptor Diversion Tunnel | Federal Grant (Reimbursement Basis) | \$39,611,007 | Federal Audit Requirements (add to existing audit program) Match \$13,203,669 | Not received | Jody Caldwell |