



Financial Services Audit Committee Communication

Date: December 16, 2022

To: Great Lakes Water Authority Audit Committee

From: Dana Bierer, CPA, Manager - Special Projects

Re: Grants, Gifts, and Other Resources Report through October 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.

- ✓ DR-4607, Michigan Severe Storms, Flooding, and Tornadoes - FEMA allows 18 months after a disaster declaration for the completion of all flood repair work. If the projects require more time, the State of Michigan is allowed to approve an extension of up to an additional 30 months. This disaster was declared on July 15, 2021. Work is either required to be completed by January 15, 2023, or the project requires an extension.
 - There are five locations with long term repair work resulting from the flood. Therefore, GLWA is requesting extensions for these five projects from the State of Michigan.
- ✓ Department of Energy (DOE) application under review - GLWA applied for a \$1.9 million Renewable Energy Research and Development Grant focused on converting organic wet waste to transportation fuels. Of this total, \$1.5 million would be funded by the DOE, \$295 thousand will be matched by GLWA, and \$80 thousand will be matched by a sub-recipient. Discussions continue with the DOE to further refine the project scope and budget.

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

Table 1 - Grant Submissions reflects open FY 2020, FY 2021, FY 2022 submissions, and FY 2023 submissions to date. The summarized activity provided identifies four programs with eight reimbursement requests and one new application.

Table 2 - Participation in Other Federal, State, Local or Intergovernmental Programs reflects open FY 2020, FY 2021, FY 2022 projects, and FY 2023 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 12 programs with 15 reimbursement requests and receipts in FY 2021, FY 2022, and FY 2023 through October 31, 2022.

Proposed Action: Receive and file this report.



Financial Services Audit Committee Communication

Table 1 - Grant Submissions reflects open FY 2020, FY 2021, FY 2022, and FY 2023 submissions to date. The summarized activity provided identifies four programs with eight 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)	\$19,348	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
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

Reference Number	Request Date	Program Description	Type of Activity	Amount Requested	Compliance and/or Performance Requirements	Status	Team Member Contact
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 11 projects under development 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; \$4,414 received Ongoing	Patricia Butler
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 FY 2020, FY 2021, FY 2022 projects, and FY 2023 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 FY 2022) \$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 FY 2022) \$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 FY 2022) \$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 FY 2022) \$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 FY 2022) \$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 FY 2022) 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 FY 2022) \$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 FY 2022) \$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 FY 2022) \$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 FY 2022) \$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 12 programs with 15 reimbursement requests and receipts in FY 2021, FY 2022, and FY 2023 through October 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/ 2022-007	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
2021-003	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; \$18,190 received 09/16/2022; \$17,759 received 10/17/2022	Dan Gold

Reference Number	Request Date	Program Description	Type of Activity	Amount	Compliance and/or Performance Requirements	Status	Team Member Contact
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
2021-007	06/23/2021	United States Environmental Protection Agency - EGGLE Surface Water Intake Protection Program (SWIPP)	Federal Grant (Reimbursement Basis)	\$50,000	Quarterly Progress Reports Match \$50,000	\$7,106 received 08/09/2022; \$920 received 10/13/2022	Mary Lynn Semegen and Terry Daniel
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
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

Reference Number	Request Date	Program Description	Type of Activity	Amount	Compliance and/or Performance Requirements	Status	Team Member Contact
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