



April 30, 2024

Mr. Ryan Raab, Budget Coordinator  
Wisconsin Department of Natural Resources  
Bureau of Water Quality - WY/3  
P.O. Box 7921  
Madison, WI 53707-7921

RE: 1<sup>st</sup> Quarter Report and Invoice: January 1, 2024 – March 31, 2024  
CARPC Water Quality Management Planning Work Program

Dear Mr. Raab:

Enclosed is a quarterly report summarizing the status and progress on the work completed during the first quarter of our 2024 water quality planning work program. The completed work under this program during this quarter includes approximately 1,423 staff hours at a total cost of about \$132,576. Of this quarter total, \$28,000 or about 21 percent, of our work is proposed to be funded by our 2024 agreement with DNR having a total anticipated value of \$95,000. As discussed, this report also includes Climate Resilience Planning Services.

We appreciate our continuing collaboration with the Wisconsin Department of Natural Resources on water quality management planning. We look forward to receipt of a contract to continue this important work in 2024 and beyond.

If you have any questions or need additional information, please contact me at 608-474-6019 or [nickb@capitalarearpc.org](mailto:nickb@capitalarearpc.org).

Sincerely,

A handwritten signature in black ink that reads "Nicholas Bower".

Nicholas Bower, PE  
Senior Environmental Engineer

cc: Tim Asplund, Wisconsin DNR (*via email*)  
Pamela Toshner, Wisconsin DNR (*via email*)  
Ruth Person, Wisconsin DNR (*via email*)

INVOICE DETAIL

MARCH 31, 2024

Description

WDNR Purchase Orders: TBD (Not Received)  
WATER QUALITY MANAGEMENT PLANNING  
CAPITAL AREA REGIONAL PLANNING COMMISSION  
1<sup>ST</sup> Quarter (January - March 2024)

<u>Work Plan Element</u>	<u>Grant Request</u>
Plan Coordination	\$3,000
Planning Services	\$8,000
Water Quality Plan Amendment	\$0
Water Quality Plan Consistency	\$0
Data Studies and Services	\$3,000
Other Water Quality Planning Activities	\$14,000
<b>Total January - March 2024</b>	<b>\$28,000</b>
State FY 2024 <sup>1</sup>	TBD
Federal 604b	TBD
<b>Anticipated Contract Total<sup>1</sup></b>	<b>\$95,000</b>
Previous Outstanding Billing	\$0
Received	\$0
Billed for Current Quarter	\$28,000
<b>Total Due</b>	<b>\$28,000</b>

---

<sup>1</sup> Anticipated contract value based on correspondence with DNR staff.

---

**Capital Area Regional Planning Commission**  
***Water Quality Management & Climate Resiliency Planning***  
**1<sup>st</sup> Quarter Reporting**  
***January 1 – March 31, 2024***

---

## **Water Quality Management Planning**

Significant work activities within the past quarter for each major program element enumerated below:

### ***Plan Coordination***

- Continued collaboration with the Madison Area Municipal Stormwater Partnership (MAMSWaP), Green Tier Clear Waters Initiative, MMSD, and other agencies/partners in the region to further and support the *Dane County Water Quality Plan*.
- Continued periodic outreach activities related to water quality planning including presentations, monthly newsletters, website content, webinars, and social media.
- Continued integration with DNR (e.g., data entry in SWIMS, general coordination).
- Coordination with local municipalities on various development activities and upcoming urban service area amendments.
- Coordinate with other RPCs and DNR regarding BIL funding.
- Ongoing maintenance of website to make key information from the Dane County Water Quality Plan available online at [carpcwaterqualityplan.org](http://carpcwaterqualityplan.org).

### ***Planning Services***

#### Environmental Corridors Report Update

- Continued work on updating report. Provided a draft of updated report to Steering Committee for review in Q1 2024. Targeting final completion within 2024.

#### Starkweather Creek Watershed Chloride Management Plan

- Monitoring update and coordination, including management of data logger.
- Installation of new water quality meter.

#### Lake Waubesa Lake Management Plan

- Continued preparation of report and coordination with stakeholder group.
- Stormwater modeling

#### Other Watershed Management Planning

- Participated in a Badger Mill Creek stakeholder group related to the discontinuation and diversion of MMSD effluent from Badger Mill Creek.

### **Water Quality Plan Amendment**

- Worked with the Village of DeForest (Northern USA), City of Madison (Central USA), Town of Middleton (Central USA), Village of Brooklyn (Brooklyn USA), Village of Marshall (Marshall USA), and City of Verona (Verona USA) on sewer service area amendments.
- Periodic consultation with local municipalities and consultants on environmental corridor policies and potential major changes. No formal amendments this quarter.

### **Water Quality Plan Consistency**

- Reviewed 45 sewer extensions for consistency with the *Dane County Water Quality Plan* and applicable conditions of approval. This includes the review of stormwater management plans where required as a condition of approval.
- Reviewed 2 MMSD annexation requests this quarter.
- Reviewed plats, and development plans for consistency with the environmental corridors policies and criteria adopted in the *Dane County Water Quality Plan* and maintain digital mapping of environmental corridors.
- Responded to requests for information and issues related to wetland resources, water quality conditions, groundwater management, stormwater management, environmental corridors, and sewer extension review process.

### **Data Studies and Services**

- Maintained datasets to provide mapping and data via web-based CARPC [Open Data Portal](#).
- Maintained an interactive map showcasing urban green infrastructure practices used for stormwater management throughout the region (Urban Green Infrastructure Viewer) ([link to viewer](#)). This database will be updated periodically with new projects as time allows.
- Reviewed environmental corridor records and updated corresponding GIS data, as appropriate, based on new data available.

### **Other Water Quality Planning Activities**

- Miscellaneous coordination and inquiry responses regarding regional stormwater and water quality issues and initiatives.
- Staff training to support implementation of water quality management plan.
- Attending DNR Workshop in Steven's Point; prepare presentation for Workshop.
- Continued coordination with United States Geological Survey (USGS) and local partners to continue long-term water quality/quantity monitoring program water in the region.
- General administration of water quality planning staff.
- Data management (e.g., archiving files, performance metrics tracking of old stormwater plans).

### **Climate Resiliency Planning**

#### Green Infrastructure Plan for the Black Earth Creek Watershed

- Continued leading steering committee meetings and working with stakeholder group on implementation initiatives for the GI Plan ([link to project website](#)).

- Coordinate agreements and execute DNR Surface Water Grant for USGS Monitoring activities.
- Prep for attendance at Cross Plains Trout Days.

#### Tree Canopy Partnerships and Initiatives

- Continued working with the Dane County Tree Canopy Collaborative to maintain, protect, and expand public and private tree canopy across Dane County ([link to website](#)) as well as serving on the Tree Board.
- Growing Shade: Continued updates and maintenance on new tree canopy equity tool ([link to website](#)).
- Southside Canopy Project: Partnership with eco-Latinos, Project Fresh Start, Urban Tree Alliance to involve residents in planting and maintaining 100-125 trees per year in south Madison.
- Initiative to grow trees at local schools and an education tool.

#### Midwest Climate Collaborative

- Continued working with the Midwest Climate Collaborative as a founding member to respond to the climate crisis ([link to website](#)).

#### Regional Stream Crossing Inventory and Assessment

- Preparations for project execution, including scoping, grant research, coordination with stakeholders, and equipment procurement.
- Mapping of data and crossings.

**Capital Area Regional Planning Commission**  
**2024 Water Quality Management & Climate Resiliency Planning**  
**Quarterly Report**  
**January 1, 2024 – March 31, 2024**

Work Program Element	Work Program		This Quarter		Funding Allocation	
	Total Hours	Total Cost	Total Hours	Total Cost	DNR Grant	Local Share
<b><u>Water Quality Management Planning</u></b>						
Plan Coordination	330	\$ 35,000	53	\$ 6,290	\$ 3,000	\$ 3,290
Planning Services	740	\$ 68,500	191	\$ 17,276	\$ 8,000	\$ 9,276
Water Quality Plan Amendment <sup>(1)</sup>	777	\$ 79,000	182	\$ 18,918	\$ -	\$ 18,918
Water Quality Plan Consistency <sup>(1)</sup>	830	\$ 71,800	461	\$ 39,822	\$ -	\$ 39,822
Data Studies and Services	520	\$ 50,800	75	\$ 5,725	\$ 3,000	\$ 2,725
Other Water Quality Planning Activities	670	\$ 70,700	461	\$ 44,544	\$ 14,000	\$ 30,544
<b>Total Program Element</b>	<b>3,867</b>	<b>\$ 375,800</b>	<b>1,423</b>	<b>\$ 132,576</b>	<b>\$ 28,000</b>	<b>\$ 104,576</b>
<b><u>Regional Climate Resilience Planning</u></b>	3,829	\$354,700	448	\$ 44,773	\$ -	\$ 44,773
<b>Total Program Element</b>	<b>3,829</b>	<b>\$ 354,700</b>	<b>448</b>	<b>\$ 44,773</b>	<b>\$ -</b>	<b>\$ 44,773</b>

Notes:

<sup>(1)</sup> Program Element funded by fees charged to applicant