



July 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: 2<sup>nd</sup> Quarter Report and Invoice: April 1, 2024 – June 30, 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 second quarter of our 2024 water quality planning work program. The completed work under this program during this quarter includes approximately 1,085 staff hours at a total cost of about \$104,658. Of this quarter's total, \$26,000, or about 25 percent of our work, is proposed to be funded by our 2024 agreement with DNR having a total value of \$95,000. As discussed, this report also includes updates on our Climate Resilience Planning Services work (note: the above figures do not factor in this work).

We appreciate our continuing collaboration with the Wisconsin Department of Natural Resources on water quality management planning.

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 "N. D. Bower".

Nicholas Bower, PE  
Senior Environmental Engineer

cc: Tim Asplund, Wisconsin DNR (*via email*)  
Allen Darkow, Wisconsin DNR (*via email*)  
Ruth Person, Wisconsin DNR (*via email*)

INVOICE DETAIL

JULY 30, 2024

Description

WDNR Purchase Orders: 37000-0000027867  
Water Quality Management Planning  
Capital Area Regional Planning Commission  
2<sup>nd</sup> Quarter (April - June 2024)

<u>Current Invoice Detail</u>	
<u>Work Plan Element</u>	<u>Grant Request</u>
Plan Coordination	\$7,000
Planning Services	\$5,000
Water Quality Plan Amendment	\$0
Water Quality Plan Consistency	\$0
Data Studies and Services	\$4,000
Other Water Quality Planning Activities	\$10,000
<b>Total April - June 2024</b>	<b>\$26,000</b>
<u>Contract Overview<sup>1</sup></u>	
State FY 2024	\$33,400
Federal 604b <sup>2</sup>	\$61,600
<b>Contract Total</b>	<b>\$95,000</b>
<u>Current Balance</u>	
Previous Outstanding Billing (none)	\$0
Received	\$28,000
Billed for Current Quarter	\$26,000
<b>Total Due</b>	<b>\$26,000</b>

<sup>1</sup> Based on Agreement between WDNR and CARPC, executed Jun 14, 2024

<sup>2</sup> To be earned by Sept 30, 2024 (pending federal grant extension through Dec 31, 2024)

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**Capital Area Regional Planning Commission**  
***Water Quality Management & Climate Resiliency Planning***  
**2<sup>nd</sup> Quarter Reporting**  
***April 1 – June 30, 2024***

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## **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 (DCWQP)*.
- 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.
- Ongoing maintenance of website to make key information from the *Dane County Water Quality Plan* available online, including recent upgrades to improve functionality. Link to website: [carpcwaterqualityplan.org](http://carpcwaterqualityplan.org)

### ***Planning Services***

#### Environmental Corridors Report Update

- Working on incorporating comments from Steering Committee into final report. Targeting final completion within 2024. Other work priorities and response times have slowed this effort.

#### Starkweather Creek Watershed Chloride Management Plan

- Monitoring updates and coordination, including management of data logger.
- Coordinate with local partners on Community-Based Research Project grant to expand continuous monitoring of chlorides in the creek.

#### Lake Waubesa Lake Management Plan

- Continued preparation of reports and coordination with stakeholder group, including reporting writing and modeling.

#### Other Watershed Management Planning

- Participating in a Badger Mill Creek Stakeholder Group to further health and resiliency (related to the proposed amendment for the discontinuation of MMSD effluent to 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), and Village of Marshall (Marshall USA) on sewer service area amendments.
- Worked with DNR and Madison Metropolitan Sewerage District on amendment to *DCWQP*.
- 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 27 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 *DCWQP*; maintain digital data of environmental corridors.
- Responded to requests for information and issues related to environmental corridors (e.g., wetland resources, water quality, stormwater, etc.) 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 historical environmental corridor records, as new data becomes available.

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

- Miscellaneous coordination and inquiry responses regarding regional stormwater and water quality issues and initiatives.
- General administration and training of water quality planning staff.
- Attending DNR Workshop virtual webinar re: Climate & Equity (follow-up to in-person workshop in Stevens Point); prepared and delivered presentation for webinar.
- Continued coordination with United States Geological Survey (USGS) and local partners to continue long-term water quality/quantity monitoring program water in the region.
- Data management (e.g., archiving files, performance metrics tracking of old stormwater plans).

## Climate Resiliency Planning

*This work program is being reported for informational purposes.*

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

### 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](#)).

### Tree Canopy Partnerships and Initiatives

- Continued working with the Dane County Tree Canopy Collaborative ([website link](#)), including applying for Bock Foundation Grant to develop model tree ordinance; serving on the Tree Board.
- Growing Shade: Prepared and released new updates on tree canopy equity tool ([website link](#)).
- 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.
- Apply for DNR IRA Grant for GIS Workforce Development for Disadvantaged Youth.

### Midwest Climate Collaborative

- Continued working with the Midwest Climate Collaborative as a founding member ([link to website](#)); preparing to host event in Madison in 2025.

### Regional Stream Crossing Inventory and Assessment

- Prepare application for BIL funding to fund this project.
- Coordinate with stakeholders; field work to collect data in townships; begin report writing and mapping of data/crossings.

**Capital Area Regional Planning Commission**  
**2024 Water Quality Management & Climate Resiliency Planning**  
**Quarterly Report**  
**April 1, 2024 – June 30, 2024**

Work Program Element	Work Program		This Quarter		Funding Allocation	
	Total Hours	Total Cost	Total Hours	Total Cost	DNR Grant	Local Share
<b>Water Quality Management Planning</b>						
Plan Coordination	330	\$ 35,000	131	\$ 14,230	\$ 7,000	\$ 7,230
Planning Services	740	\$ 68,500	100	\$ 9,617	\$ 5,000	\$ 4,617
Water Quality Plan Amendment <sup>(1)</sup>	777	\$ 79,000	284	\$ 30,544	\$ -	\$ 30,544
Water Quality Plan Consistency <sup>(1)</sup>	830	\$ 71,800	280	\$ 24,308	\$ -	\$ 24,308
Data Studies and Services	520	\$ 50,800	91	\$ 7,417	\$ 4,000	\$ 3,417
Other Water Quality Planning Activities	670	\$ 70,700	200	\$ 18,542	\$ 10,000	\$ 8,542
<b>WQP Program Element Totals</b>	<b>3,867</b>	<b>\$375,800</b>	<b>1,085</b>	<b>\$ 104,658</b>	<b>\$ 26,000</b>	<b>\$ 78,658</b>
<b>Regional Climate Resilience Planning <sup>(2)</sup></b>	<b>3,829</b>	<b>\$354,700</b>	<b>479</b>	<b>\$ 46,717</b>	<b>\$ -</b>	<b>\$ 46,717</b>
<b>CRP Program Element Totals</b>	<b>3,829</b>	<b>\$354,700</b>	<b>479</b>	<b>\$ 46,717</b>	<b>\$ -</b>	<b>\$ 46,717</b>

Notes:

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

<sup>(2)</sup> Program Element reported for informational purposes