



December 21, 2022

Mr. Tim Asplund
Water Quality Monitoring Section Chief
Wisconsin Department of Natural Resources
101 South Webster Street, WT/3
Madison, WI 53707-7921

RE: 2023 CARPC Water Quality Management Planning Work Program

Dear Mr. Asplund:

As requested, enclosed is a water quality planning work program proposal (an excerpt of our Agency-wide 2023 work program) for the period of January 1st through December 31st, 2023, for your use in developing our 2023 contract. The work program reflects a continuing water quality planning program for sewer service area plan amendments, 208 conformance reviews, environmentally sensitive area delineation, support to local communities, data sharing, and continued process streamlining and coordination with the Department. In addition, our 2023 work program includes continuing collaborative work on chloride management plan implementation for the Starkweather Creek Watershed and the Environmental Corridors Report update. The anticipated contract amount of \$90,000 for 2023 would represent about 27% of the estimated overall water quality work program cost of \$332,600.

As we discussed, our Agency 2023 work program also includes Regional Climate Resilience Planning work totaling \$102,100. If a comparable level of funding of 27% is available from DNR for this work too, it would add approximately an additional \$28,000 to our 2023 contract.

We appreciate your consideration of our proposed 2023 work program and thank you for your continued assistance and support. We look forward to our continuing collaboration with the Wisconsin Department of Natural Resources. Please contact me if you need additional information or have any questions.

Sincerely,

Mike Rupiper, PE, ENV SP
Deputy Agency Director

cc: Ruth Person, NR Program Specialist, WDNR (*via email*)
BetsyJo Howe, Water Resource & Wastewater Management Specialist, WDNR (*via email*)
Ryan Raab, Budget Coordinator, WDNR (*via email*)



CAPITAL AREA REGIONAL PLANNING COMMISSION

2023 Work Program

Adopted December 8, 2022

**Prepared by the Staff of the
Capital Area Regional Planning Commission**

100 State Street, Suite 400
Madison, WI 53703-2573



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Introduction to the 2023 Work Program

The Capital Area Regional Planning Commission (hereafter referred to as “Regional Planning Commission,” “CARPC,” or “Agency”) prepares and adopts an Annual Work Program to guide and monitor staff activities, and for budgeting purposes. The Work Program reflects the primary functions of the Regional Planning Commission as a regional land use and water quality management planning agency.

THE CAPITAL AREA REGIONAL PLANNING COMMISSION

The Regional Planning Commission is an independent unit of government established by Executive Order of Governor Jim Doyle in 2007 at the request of units of local government in Dane County. The first regional planning commission in the area, the Dane County Regional Planning Commission, was established in 1969 and dissolved in 2004.

The Regional Planning Commission assists local communities with planning services and conducts regional planning to advance community and regional goals.

Regional Planning

The Regional Planning Commission serves as the regional planning and the area-wide water quality management planning entity for the Dane County region, consistent with Wis. Stat. § 66.0309 and State Administrative Code NR 121. For more information about the Regional Planning Commission, go to www.capitalarearpc.org.

Regional land use planning carries out “the function and duty of making and adopting a master plan for the physical development of the region” (§66.0309(10)). Under these statutes, the Regional Planning Commission also “makes plans for the physical, social, and economic development of the region, consistent with the elements specified in §66.1001 [Wisconsin Comprehensive Planning statutes].”

Water quality management planning is driven by the requirements of the federal Clean Water Act and various Wisconsin Administrative Code Chapters. State statutes outline the duties and responsibilities of area-wide water quality management planning agencies in areas of the state designated by the Governor as having “substantial water quality control problems,” as defined by the Clean Water Act. The Regional Planning Commission conducts water quality management planning, including the administration of water quality management plan amendments, in Dane County under a contractual agreement with the Wisconsin Department of Natural Resources (DNR).

Community Assistance

The Regional Planning Commission provides planning services to assist local communities with a range of planning, data, and mapping needs.

OVERVIEW OF THE 2023 CARPC WORK PROGRAM

The 2023 CARPC Work Program is organized by major programs and their component projects and elements. Major programs are:

1. Regional Water Quality Planning
2. Regional Climate Resilience Planning
3. WI Salt Wise Program
4. USGS Cooperative Water Resources Monitoring
5. Regional Land Use Planning
6. Regional Transportation-Land Use Planning Integration
7. Community Assistance Planning
8. Education and Information
9. Accounting and Administrative Support

The Work Program describes each program and the projects and elements within them. For each project and grouping of elements, the Work Program explains:

- Objectives
- Previous and current work
- Relationship to other activities
- Work description, products, and schedule
- Estimated hours
- Funding sources

Regional Plan Commission Vision and Mission

In February 2020, the Commission amended its vision and mission statements as part of its strategic planning process:

Vision: A region where communities create exceptional quality of life for all by working together to solve regional challenges.

Mission: The Capital Area Regional Planning Commission strengthens the region by engaging communities through planning, collaboration, and assistance.

Remaining from the agency's 2016 strategic planning work are key stakeholders and strategies.

Key Stakeholders

- Locals are CARPC's primary stakeholders – local officials, their constituents, and local staff.
- CARPC's success depends upon the agency's relevance to local officials and their constituents.
- Regional planning is about offering resources and options and inspiration to locals to support them in making informed choices – early in the process when they are gathering information.

Strategies

- Tell the story of what CARPC and regional planning bring to the party for municipalities –communicate the value and “what is” of regional planning; highlight successful communities.
- Strengthen CARPC's relevance for local officials and their constituents by focusing on regional planning and building bridges to locals.
- Leverage CARPC's region-wide activities, including supporting A Greater Madison Vision, the development framework, and the water quality plan.

2022 Work Activity Highlights

1. Regional Development Framework – adopted the Framework; established a Proactive Planning Committee to explore options and make recommendations for implementing the Framework; conducted community outreach on Framework implementation; established data tracking and online dashboard for performance indicators.
2. Integrating regional land use, transportation, and environmental planning – coordinated with the Greater Madison MPO (MPO) on regional land use and transportation planning and agency branding, education, and communications.
3. Collaborated with regional municipalities, agencies, and organizations to advance solutions to water resource management issues

4. Regional green infrastructure planning for flood resilience and water quality in the Black Earth Creek Watershed
5. Chloride management plan implementation in the Starkweather Creek Watershed
6. Provided planning services to the Village of Marshall (in partnership with MDRoffers Consulting), Rock County, the Towns of Sun Prairie, Dunkirk, Springfield, and Vienna, and on-going maintenance of zoning maps for five towns
7. Expanded our online data portal of interactive maps, GIS data, and regional trends analysis
8. Completed the 2020 Dane County Land Use Inventory for urban portions of the region
9. Continued supporting the Wisconsin Department of Natural Resource's Dane County Water Quality Plan through plan amendments and consistency reviews
10. Hosted webinar series in partnership with the Greater Madison MPO

2023 Work Program Summary

A summary of planned 2023 Work Program activities is below.

REGIONAL WATER QUALITY PLANNING PROGRAM

The Wisconsin Department of Natural Resource's Dane County Water Quality Management Plan is "a plan for managing, protecting and enhancing groundwater and surface water quality which considers the interrelationship of water quality and land and water resources on an areawide basis." The plan is part of a continuing areawide water quality management planning program under state administrative code NR 121 and the federal Clean Water Act. A key component of the plan is to establish areas suitable for cost-effective and environmentally sound development on sanitary sewer, as well as environmentally sensitive areas where development should not occur because it would have an adverse impact upon water quality. These plans also identify the best management practices needed to protect groundwater and surface water from the potential adverse impacts of urbanization, including nonpoint source pollution. The Regional Planning Commission works with communities to assist in the development and implementation of their local plans in a way that is consistent with the regional water quality plan, as the local agent of the Wisconsin Department of Natural Resources.

A major new initiative in 2020 was chloride management planning for Starkweather Creek in collaboration with the City of Madison, Friends of Starkweather Creek, and other key stakeholders. The plan quantifies chloride sources in the Starkweather Creek Watershed, developed a framework for focused implementation of chloride best management practices in the watershed, and developed a methodology for monitoring and quantifying resulting chloride reductions. In 2022 work on this project included continuation of chloride monitoring and collaboration with WI Salt Wise and other partners to begin implementing some of the outreach and education efforts identified in the plan. In 2023 through 2024 work will continue to focus on education and implementation of the best management practices identified in the plan and chloride monitoring to measure progress.

WI SALT WISE PROGRAM

This program provides the information, education, best practices, and training to support the reduction of salt pollution in our lakes, streams and drinking water.

REGIONAL CLIMATE RESILIENCE PLANNING PROGRAM

In response to the historic flooding in the fall of 2018, the Regional Planning Commission began exploring options for a coordinated, inter-municipal, approach to address flooding. In 2020, the Commission began working with the communities in the Black Earth Creek watershed, and other key stakeholders on an initiative for regional planning for flood resilience using green infrastructure. Development of the plan was completed in 2022. In 2023 work will continue to assist communities and other stakeholders with plan implementation.

In 2022 the Commission also began other efforts to increase climate resilience in the region beyond flood resilience planning by partnering with the Dane County Tree Canopy Working Group and the Midwest Climate Collaborative. The aim of the Tree Canopy Working Group is to collectively maintain, protect, and expand public and private tree canopy across Dane County with a particular focus on ensuring equitable access to trees and their associated benefits for all residents. The mission of the Midwest Climate Collaborative is to facilitate the development of a coherent Midwestern response to the climate crisis through acceleration of climate action, knowledge generation and leader development led by a cross-sector collaboration of key organizations throughout the Midwest.

REGIONAL LAND USE PLANNING PROGRAM

Regional Land Use Planning – This consists of the Regional Development Framework, which is a component of the regional comprehensive plan as described in Wisconsin Statutes § 66.0309(9), which uses the term master plan for the region, and specifies that it shall contain “at least the elements described in s. 66.1001 [Wisconsin comprehensive planning statute]”. CARPC launched a regional visioning initiative in 2016 called A Greater Madison Vision, which established regional priorities for growth. In 2019 CARPC began work on a Regional Development Framework. The Framework, adopted by CARPC in 2022, serves as a guide for local communities to achieve shared goals. In 2023 CARPC will work with communities to implement the Framework and track and report on key performance indicators.

Land Use Inventories and Mapping – The Dane County Regional Planning Commission, working with the Dane County Land Information Office (LIO) and Dane County Planning and Development (DCPD), conducted the first land use inventory in the region in 1970. It was updated every 10 years and starting in 2005 the frequency increased to every five years. The Regional Planning Commission maintains a geographic information system of digital maps and databases for planning purposes. The 2020 update of the inventory was completed in 2022. The next scheduled update will be for the year 2025.

The Regional Planning Commission maintains a geographic information system of digital maps and databases for planning purposes. New offerings in 2023 will include a future land use map and a current land use map.

Data Planning Systems – CARPC staff access current and historical demographic and economic data as well as trend projections from several sources. Collation and maintenance of these data has historically been done on an as-needed basis. Work in 2023 will consist of on-going tracking of Regional Development Framework indicators, broadening the scope of data collected to support analysis of the indicators, and publication of additional timeseries data that inform understanding of regional trends.

REGIONAL TRANSPORTATION-LAND USE PLANNING INTEGRATION PROGRAM

This is an ongoing program to increase integration between land use, transportation, and environmental planning in partnership with the Greater Madison MPO. In 2023, CARPC and MPO will coordinate implementation of the Regional Development Framework and the

Regional Transportation Plan, outreach and education, planning assistance, and data management.

COMMUNITY ASSISTANCE PLANNING PROGRAM

CARPC staff will continue to provide planning and data resources to meet the needs of local communities upon request.

INFORMATION AND EDUCATION

CARPC will work with the Greater Madison MPO to provide information and educational materials to communities and the public through educational webinars, organization and project websites, monthly newsletters, social media, emails, and meetings.

2023 WORK PROGRAM STAFFING

The Environmental Resources Planning Division staff include a Division Director (also the Deputy Agency Director), an Environmental Engineer, a GIS Specialist, and an Environmental Resources Planner. Their work focuses primarily on regional water quality and climate resilience planning.

The Community and Regional Development Planning Division staff include a Division Director (also the Agency Director), a Senior Community Planner, and a Community Planner. Their work focuses primarily on regional land use planning, community planning assistance, and education and information activities. The GIS Specialist also works on programs in this division. Interns support programs in each division.

The Agency Director and Deputy Agency Director lead Agency administration and commission support. The Accounting & Administrative Services Coordinator provides financial and human resource services, administration, and commission support.

Table 1 below shows the summary of staff hours for the projects and activities associated with agency strategies. Table 2 shows program hours for each staff person.

Table 1: Work Program 2023 Summary Table: Staff Hours

AGENCY PROGRAMS	STAFF HOURS	PERCENT
Water Quality Planning	5,327	30%
Climate Resilience Planning	1,710	10%
WI Salt Wise Program	1,800	10%
Land Use Planning	4,030	23%
Transportation-Land Use Planning Integration	183	1%
Community Assistance	855	5%
Education and Information	910	5%
Accounting, Administration and Commission Support	3,018	17%
TOTAL	17,832	

Table 2: Staff Hours by Program

	Agency Director	Deputy Agency Director	Senior Planner	Environ. Engineer	GIS Specialist	Environ. Resources Planner	Community Planner	WI Salt Wise Program Manager	Accounting & Administrative Services Coordinator	Interns
Water Quality Planning		1,135		15,00	735	1,735				200
Climate Resilience Planning	40	360	40	20	840		80			330
WI Salt Wise Program								1,800		
Land Use Planning	902	40	1,121		120		852			875
Transportation-Land Use Planning Integration	70						100			
Community Assistance	60		345	40	60	40	190			120
Information and Education	130		225				520			35
Accounting, Administration and Commission Support	550	217	40	56	77	57	50	32	1,832	

FUNDING SOURCES AND COST ALLOCATION

Program information below includes the sources of funding allocated to each program. Funding is allocated based on staff hours for each program. Staff hours are multiplied by their hourly salary and fringe benefit rate to show their direct costs. Direct costs are multiplied by an indirect rate to account for overhead costs.

Calculation of an indirect rate is documented in the CARPC 2022 Cost Allocation Plan (available upon request). The Cost Allocation Plan charges allowable direct costs to programs, calculates allowable fringe benefits, allowable indirect expenses, and calculates an indirect cost rate. Allowable costs are determined by Title 2 U.S. Code of Federal Regulations Part 200, Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards (Uniform Guidance).

2023 Work Program

The Regional Planning Commission conducts and supports planning and collaborations that supports its mission to “strengthen the region by engaging communities through planning, collaboration and assistance.” The agency carries out activities through programs focusing on water quality, climate resilience, land use, community assistance, and information and education. The sections below discuss the programs and program elements: their objectives, previous and current work, relationships to other activities, work descriptions and methodologies, schedules, products, hours, and funding sources.

REGIONAL WATER QUALITY PLANNING PROGRAM

The Wisconsin Department of Natural Resources is required to have a continuing water quality management planning process, under Wis. Stat. 283.83. These Areawide Water Quality Management Plans are defined in NR 121 as “a plan for managing, protecting and enhancing groundwater and surface water quality which considers the interrelationship of water quality and land and water resources on an areawide basis.”

CARPC conducts a variety of water quality planning activities in collaboration with the DNR, local municipalities, and other agencies and organizations in the region working to sustain our surface and groundwater resources. Much of this work is conducted as part of CARPC’s annual agreement with the DNR for water quality planning services. The regional water quality planning program includes the following major program elements:

- Water Quality Planning and Plan Coordination
- Water Quality Plan Amendment
- Water Quality Plan Consistency

Water Quality Planning and Plan Coordination

Objectives

Communicate and coordinate the policies and recommendations contained within the adopted regional water quality management plan with local and State organizations and agencies. Assist local and State-designated management agencies and local watershed groups in conducting planning studies as needed to implement the point source and nonpoint source pollution abatement measures recommended in the adopted regional water quality management plan. Coordinate and facilitate the interagency cooperation need for effective plan implementation.

Previous and Current Work

Since the Commission's creation in 2007, staff has worked with a variety of designated management (plan implementation) agencies and other related organizations to implement the regional water quality management plan.

Commission staff continue to serve on and provide support to several organizations that pursue implementation of the recommendations of the regional water quality management plan for Dane County. In 2022 Commission collaborations included:

- Collaboration with the Clean Lakes Alliance on developing and updating the "Renew the Blue" Plan as a member of the Yahara CLEAN Compact and Community Board.
- Efforts to reduce chloride pollution in our lakes, streams, and drinking water with the WI Salt Wise Partnership
- Stormwater management and erosion control in the region with the Madison Area Municipal Stormwater Partnership and the Green Tier Clear Waters Initiative

Other major water quality planning and plan coordination work in 2022 included:

- The current Environmental Corridors Report was adopted in 1996 and outlines the rationale for and process of delineating environmental corridors—environmentally sensitive lands, natural resources requiring protection from disturbance and development, and lands needed for open space and recreational use as part of the sewer service area planning process. While this core information remains unchanged, the addition of the concept of Stewardship Areas—those locations recommended for consideration as an enhancement to the required environmental corridors including potentially restorable wetlands and the 0.2% annual chance floodplain—as part of the Regional Development Framework, necessitated an update to this report. In 2022, work included monthly meetings with a Steering Committee to discuss the science supporting the main topic areas of the report and begin drafting the report update.
- Continuing to expand data sharing via web services on our open data portal. The portal includes a variety of interactive web maps and downloadable GIS datasets relevant to regional natural resource and land use planning. New additions in 2022 included mature forest areas and potential karst and bedrock depths.

Relationship to Other Activities

While the primary purpose of this program is water quality, many of the projects implemented as result of planning efforts conducted under this program will also have

stormwater runoff volume reduction (water quantity) benefits which are the objective of the Regional Climate Resilience Planning Program. The water quality planning and plan coordination program work is also integral to the Regional Development Framework goal of conserving important natural resources and the objectives of increasing the tree canopy and directing growth away from important natural areas.

Work Description, Products and Schedule

This program generally involves collaborating with various implementation partners on planning and information and education efforts that will lead to improved water quality in the region.

CARPC staff will continue to serve on, and provide support to, several organizations that pursue implementation of the recommendations of the regional water quality management plan for Dane County.

CARPC staff continue to produce newsletter articles and other information and educational materials related to implementation of the recommendations of the regional water quality management plan for Dane County.

Specific projects currently expected to continue or be initiated in 2023 include:

Environmental Corridors Report Update

Plan development work to update the Environmental Corridors Report, with Steering Committee input, is expected to continue through the first quarter of 2023. This will be followed by plan implementation work.

Starkweather Creek Watershed Chloride Management Plan

A major new initiative in 2020 was chloride management planning for Starkweather Creek in collaboration with the City of Madison, Friends of Starkweather Creek, and other key stakeholders. The plan quantifies chloride sources in the Starkweather Creek Watershed, developed a framework for focused implementation of chloride best management practices in the watershed, and developed a methodology for monitoring and quantifying resulting chloride reductions. In 2022 work on this project included continuation of chloride monitoring and collaboration with WI Salt Wise and other partners to begin implementing some of the outreach and education efforts best management practices identified in the plan. In 2023 through 2024 work will continue to focus on education and implementation of the best

management practices identified in the plan and chloride monitoring to measure progress. A plan assessment is scheduled for 2025.

Other Watershed Management Planning

Building upon the success of recent watershed planning efforts like the Starkweather Creek Watershed Chloride Management Plan and the Black Earth Creek Green Infrastructure Plan, it is anticipated that some staff time should be allocated to assist other watershed groups with planning efforts. The Lake Waubesa Conservation Association has expressed interest in collaborating with the Agency on a Lake Management Plan, for example. The scope and schedule will be determined based on interest and needs of local watershed groups.

Estimated Annual Hours

STAFF	HOURS
Deputy Agency Director/ Director of Environmental Resources Planning	720
Environmental Engineer	610
Environmental Resources Planner	1,220
GIS Specialist	620
Intern	200
Total	3,370

Funding Source

Tax Levy	Review Fees	DNR Agreement	Total
59%	0%	41%	100%
\$120,600	\$0	\$82,800	\$203,400

Water Quality Plan Amendment

Objectives

To review, comment on, and help prepare proposals to amend the sanitary sewer service area boundaries and environmental corridors in the adopted regional water quality management plan. Staff provides comments and assistance in response to requests and applications submitted by local units of government. Staff reports and Commission recommendations are forwarded to the Wisconsin Departments of Natural Resources (DNR) for final administrative decision in accordance with State Statutes.

Previous and Current Work

This is an ongoing program element. CARPC has conducted sewer service amendment services for the DNR since its formation. A total of 36 individual sewer service areas (22 urban service areas and 14 limited service areas) are currently identified in the Dane County Water Quality Management Plan. During 2021, the Commission held public hearings and staff provided comprehensive staff analysis reports for five proposed sewer service area amendments. Through August 2022 there have been nine proposed sewer service area amendments and no proposed major change amendment to environmental corridors.

Relationship to Other Activities

The sanitary sewer area boundaries, environmental corridors, and associated conditions of approval established in plan amendments are checked when detailed development plans are submitted and reviewed under the Water Quality Plan Consistency program element. Sewer service areas where a full complement of urban services is provided are referred to as Urban Service Areas (USAs), which are incorporated into comprehensive and regional plans which often include goals to direct most growth to USAs.

Work Description, Products and Schedule

Amendments to the *Dane County Water Quality Plan* primarily result from applications to revise sewer service area boundaries (in Urban Service Areas and Limited Service Areas) and environmental corridor boundaries. Sewer Service Area planning is one component of areawide water quality management planning. One purpose of this planning process is to help communities develop cost-effective and environmentally sound wastewater collection and treatment systems. Sewer Service Area planning identifies areas most suitable for sewered development as well as Environmental Corridors for the protection of environmentally sensitive areas. These plans also identify the best management practices needed to protect groundwater and surface water from the adverse impacts of urbanization, including nonpoint source pollution.

This program element is ongoing with sewer service area plan and/or environmental corridor amendments being conducted over the course of the year as requests are submitted by municipalities. During 2023, it is expected that about seven proposed sewer service area amendments or proposed major change amendments to environmental corridors will be reviewed. This work activity requires meetings, phone calls, and/or electronic mail messages with representatives of local units of government, developers, and their consultants who propose expansions of sanitary sewer service areas or major changes to environmental corridors. Public hearings are held for each proposed amendment. The work involves the

review of applications for consistency with the adopted policies and criteria for sewer service areas and environmental corridors. Environmental impact assessment data as well as an analysis of potential environmental impacts are summarized in a staff analysis report. The staff reports and water quality management letters approved by the Commission are forwarded to the Wisconsin Department of Natural Resources (WDNR) for administrative decision. Procedures for plan amendments will continue to be refined in conjunction with the WDNR staff, as necessary to meet the requirements of Chapter NR 121 of the Wisconsin Administrative Code. Sewer service area and environmental corridor GIS data is maintained in an open data portal on the CARPC website.

Estimated Annual Hours

STAFF	HOURS
Deputy Agency Director/ Director of Environmental Resources Planning	275
Senior Community Planner	21
Environmental Engineer	330
Environmental Resources Planner	275
GIS Specialist	75
Total	936

Funding Source

TAX LEVY	REVIEW FEES	DNR AGREEMENT	TOTAL
0%	91%	9%	100%
\$0	\$60,000	\$5,700	\$65,700

Water Quality Plan Consistency

Objectives

Review, comment on, and aid in the preparation of proposals to construct public and private sanitary sewer extensions and stormwater management systems, relating such reviews to consistency with the adopted regional water quality management plan. Comments and assistance are provided in response to submittals by local units of government, consulting engineers, architects, plumbers, and others, and the resulting review letters are forwarded to the Wisconsin Departments of Natural Resources (DNR) and Safety and Professional Services (DSPS).

Previous and Current Work

This is an ongoing program element. In 2021, Commission staff provided review comments on 123 sanitary sewer extensions (86 proposed public sanitary sewer extensions and 37 proposed commercial building sanitary sewer extensions), as required under Sections NR 110.08(4) and SPS 382.20(4) of the Wisconsin Administrative Code. Commission staff also provided review comments on 39 related stormwater management plans and conducted 15 associated environmental corridor reviews.

Through August 2022 there have been 78 sanitary sewer extension review requests. Staff also review proposed annexations to the Madison Metropolitan Sewerage District service area for consistency with the adopted plans of the Regional Planning Commission in accordance with the provisions of § 200.05(4)(b), 200.11(1)(b), and 200.15, Wis. Stats. In 2021, Commission staff provided reviews for four annexation requests. Through August 2022 there have been three MMSD annexation reviews.

Relationship to Other Activities

This program element is directly related to the Water Quality Plan Amendment program element, which establishes the boundaries of the planned sanitary sewer service areas, initial environmental corridors, and associated conditions of approval.

Work Description, Products and Schedule

Most of this work is reviewing urban development plans (sanitary sewer extension requests) for consistency with the Dane County Water Quality Plan and its conditions of approval. Review includes consistency with the adopted policies and criteria for environmental corridors (environmentally sensitive areas), the conditions of approval regarding stormwater management, and the approved sanitary sewer service areas in the adopted regional water quality management plan. This category also includes some work associated with reviewing wastewater facility plans, WPDES permits, and Madison Metropolitan Sewerage District annexations for consistency with the Dane County Water Quality Plan, as well as, reviewing plats and development plans for consistency with the environmental corridors adopted in the Dane County Water Quality Plan.

This program element is ongoing with reviews being conducted over the course of the year as requests are submitted. During 2023, it is expected that about 120 sanitary sewer extension requests will be reviewed. This includes an estimated 90 proposals for public sanitary sewer extensions, about 30 proposals for private commercial building sanitary sewers, 40 stormwater management plans, and 20 environmental corridor delineations. This work

activity requires meetings, phone calls, and/or electronic mail messages with representatives of local units of government, developers, and their consultants who prepare plans for development receiving sanitary sewer service. The work involves the review of proposed plats, construction plans, and stormwater management plans for consistency with the approved sewer service areas, environmental corridor policies and criteria, and associated conditions of approval established by the adopted regional water quality management plan.

Estimated Annual Hours

STAFF	HOURS
Deputy Agency Director/ Director of Environmental Resources Planning	140
Environmental Engineer	560
Environmental Resources Planner	240
GIS Specialist	40
Total	980

Funding Source

TAX LEVY	REVIEW FEES	DNR AGREEMENT	TOTAL
0%	90%	10%	100%
\$0	\$57,000	\$6,500	\$63,500

REGIONAL CLIMATE RESILIENCE PLANNING PROGRAM

Objectives

Facilitate the development and implementation of regional climate resilience plans with our communities. Support communities in making decisions that strengthen the climate resilience of our region.

Previous and Current Work

In response to the historic flooding in the fall of 2018, the Regional Planning Commission began exploring options for a coordinated, inter-municipal, approach to address flooding. In 2020, the Commission began working with the communities in the Black Earth Creek watershed, and other key stakeholders on an initiative for regional planning for flood resilience using green infrastructure. Development of the plan was completed in 2022. In 2023 work will continue to assist communities and other stakeholders with plan implementation.

In 2022 the Commission also began other efforts to increase climate resilience in the region beyond flood resilience planning by partnering with the Dane County Tree Canopy Working Group and the Midwest Climate Collaborative. The aim of the Tree Canopy Working Group is to collectively maintain, protect, and expand public and private tree canopy across Dane County with a particular focus is on ensuring equitable access to trees and their associated benefits for all residents. The mission of the Midwest Climate Collaborative is to facilitate the development of a coherent Midwestern response to the climate crisis through acceleration of climate action, knowledge generation and leader development led by a cross-sector collaboration of key organizations throughout the Midwest.

Relationship to Other Activities

While the primary purpose of this program is climate resilience, many of the projects implemented as result of planning efforts conducted under this program will also have water quality benefits which are the objective of the Water Quality Planning Program. The regional climate resilience planning program is also integral to the Regional Development Framework goal of reducing climate change and increases climate/flood resilience.

Work Description, Products and Schedule

This program generally involves collaborating with various implementation partners on planning efforts that will lead to greater climate resilience in the region, with an emphasis on the implementation of various forms of green infrastructure.

Specific projects currently expected to be undertaken or continue in 2023 include:

Green Infrastructure Plan for the Black Earth Creek Watershed

In 2023, work on this project will be to continue to assist communities and other stakeholders with plan implementation. Working with Distillery to develop an educational video on green infrastructure for the Black Earth Creek Watershed is one likely project in 2023.

Dane County Tree Canopy Working Group

In 2023, work on this project will include continued collaborations with other organizations in the region to support the maintenance, protection, and expansion of public and private tree canopy across the region. One specific project planned for 2023 is working with the Urban Tree Alliance to conduct a forest inventory and historic analysis for the Northern Lake Mendota Watershed.

Midwest Climate Collaborative

In 2023, work on this project will include continued collaboration with the MCC to accelerate climate action, knowledge generation and leader development. Specific projects include partnering on an NSF CIVIC grant to address urban heat island effect through community tree canopy and partnering on a Midwest Big Data Hub grant for a climate asset map.

Regional Stream Crossing Inventory and Assessment

In 2023, work on this project will include a pilot to test the feasibility of developing a regional GIS dataset to evaluate stream crossings for fish passage and flood resiliency using the Great Lakes Stream Crossing Inventory criteria. Stormwater and streams flow across municipal boundaries and many smaller communities don't have GIS capabilities to be able to map their own culverts, detention basins, and other stormwater infrastructure. Having a complete dataset will provide a better understanding of stormwater and stream flow across municipal jurisdictions.

SolSmart Regional Organization Designation

Staff will work on activities to obtain a Regional Organization Designation from SolSmart. SolSmart is a national program led by the Interstate Renewable Energy Council (IREC) and the International City/County Management Association (ICMA) and funded by U.S. Department of Energy. It "recognizes cities, counties, and regional organizations for making it faster, easier, and more affordable to go solar." The goal of the regional organization designation is to help make the SolSmart program accessible to more localities in their jurisdiction. Activities include providing education and facilitating conversations to increase solar energy installations.

Estimated Annual Hours

STAFF	HOURS
Deputy Agency Director/Director of Environmental Resources Planning	360
Environmental Engineer	20
GIS Specialist	840
Agency Director/Director of Community & Regional Development Planning	40
Senior Community Planner	40
Community Planner	80
Interns	330
Total	1,710

Funding Source

TAX LEVY	GRANT	TOTAL
95%	5%	100%
\$97,100	\$5,000	\$102,100

WI SALT WISE PROGRAM

Objectives

To provide the information, education, best practices, and training to support the reduction of salt pollution in our lakes, streams and drinking water. Support communities in making water quality decisions that strengthen our region.

Previous and Current Work

The WI Salt Wise Partnership began around 2015 as a collaboration of local agencies working together toward the common goal to provide information, education, and best practices to reduce salt pollution in our lakes, streams and drinking water. Prior to 2020 WI Salt Wise did not have any dedicated staff and its work was carried out as part of the overall work programs of the participating organizations. From 2020 through 2022, a staff position for the program was housed within the Madison Metropolitan Sewerage District with grant assistance from the Fund for Lake Michigan and funding from a group of key partners, including CARPC.

Relationship to Other Activities

The information, education, best practices, and training provided through this program is a key component of the chloride pollutant reduction strategies in the regional water quality planning program.

Work Description, Products and Schedule

This program generally involves collaborating with various implementation partners on training, information, and education efforts that will reduce salt pollution and lead to improved water quality in the region and beyond.

Specific activities currently expected to be undertaken or continue in 2023 include:

- Winter Maintenance Professionals Outreach and Training. This involves promoting improved practices by connecting practitioners to resources, experts, and peers via practitioner workshops with equipment open house events, webinars, and site visits. After focusing education and outreach on municipalities for the last two years, staff

plan to engage more with private businesses including property owners, property managers, and contractors.

- Public Education. Winter maintenance professionals repeatedly identify level of service expectations from residents and clients as the primary barrier to salt reduction. This activity aims to increase public understanding that salt is a pollutant, via WI Salt Awareness Week and other educational efforts, with the support of statewide partners.
- Refining communication around solutions: In 2023, staff will begin working with a UW-Extension Science Communication specialist to improve the utilization of virtual channels and grow the Salt Wise community.

Estimated Annual Hours

STAFF	HOURS
WI Salt Wise Program Manager	1,800
Total	1,800

Funding Source

TAX LEVY	GRANTS	SERVICE AGREEMENTS	TOTAL
7%	69%	24%	100%
\$7,900	\$75,000	\$26,000	\$108,900

USGS COOPERATIVE WATER RESOURCES MONITORING PROGRAM

Objectives

To provide long-term records of stream flow, water quality, and lake level data in support of local, State, and Federal water resources management decisions. Facilitate the implementation of the regional water quality management plan with our communities. Support communities in making water quality decisions that strengthen our region.

Previous and Current Work

This is an ongoing program. Continuous streamflow data and water quality samples are collected and published by the U.S. Geological Survey (USGS) for a network of four sites (Spring Harbor Storm Sewer in Madison, Pheasant Branch at USH 12 in Middleton, Yahara River at Windsor, and Yahara River at STH 113 in Westport). Continuous streamflow data is also collected with gages at four additional sites (Yahara River at Madison, McFarland, and Stoughton; Black Earth Creek at Black Earth). Baseflow and water quality sampling is also

conducted annually at four sites, which are rotated among 17 sites throughout the region (Black Earth Creek, W. Branch Sugar River, Mt. Vernon Creek, Yahara River, Token Creek, Sixmile Creek, Dorn Creek, Pheasant Branch, E. Branch Starkweather Creek, W. Branch Starkweather Creek, Nine Spring Creek, Door Creek, Badfish Creek, Koshkonong Creek, and the Maunasha River). Continuous lake level data is also collected with gages at Lakes Mendota, Monona, Kegonsa, and Waubesa.

Relationship to Other Activities

The streamflow, water quality, and lake level data collected through this program are essential monitoring component for the regional water quality planning and regional climate resilience planning programs.

Work Description, Products and Schedule

This project involves the preparation of annual contracts with the U.S. Geological Survey (USGS) and the local funding partners (Dane County, City of Madison, City of Middleton, and Town of Westport). This is an ongoing program carried out over the course of the year on an annual basis. The USGS performs the gage maintenance and sampling work and collects and published the data. Data from most gages is available electronically on a real time basis from the [USGS website](#). The data is also published in a report by the USGS. Much of the data is also used in the CARPC water quality plan website and associated agency reports.

Estimated Annual Hours

This is a pass-through project. No staff time is allocated to this project.

Funding Source

TAX LEVY	USGS	SERVICE AGREEMENTS	TOTAL
0%	39%	61%	100%
\$0	\$79,509	\$ 122,989	\$202,498

REGIONAL LAND USE PLANNING PROGRAM

The Regional Planning Commission is charged under state statutes with “the function and duty of making and adopting a master plan for the physical development of the region.” This involves facilitating processes that builds broad agreement on goals and objectives for how the region grows, preparing and updating a regional land use plan, and maintaining mapping and data systems.