



Final 2014-2015

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June 26, 2014

Ms. Lisa Helmuth
Bureau of Watershed Management
Wisconsin Department of Natural Resources
101 South Webster Street, WT/3
P.O. Box 7921
Madison, WI 53707-7921

RE: 2014-2015 Capital Area Water Quality Planning Work Program

Dear Ms. Helmuth:

Enclosed is a proposed Water Quality Planning Work Program for the period of 7/1/14 through 6/30/15 for your review and comment in developing our 2014-2015 contract. The work program reflects a continuing water quality planning program directed primarily at the essential sewer service area, environmental corridor and point source facility planning needs, and urban stormwater management assistance. The total cost of the proposed 2014-2015 work program activities is estimated to be \$169,725 as shown in the budget table. We would propose to undertake these activities with a combined GPR/604b grant and local match. We have shown a grant amount of \$85,000 which represents a funding level of nearly 50 percent. If federal and state funding constraints limit the availability of funds at this level, we will reduce activities, seek additional local match contributions, or complete distinct projects over two contract periods.

It is somewhat difficult for us to set priorities in the event that sufficient funding is not available to support all of the proposed activities. Work elements 3141, 3142, and 3143 are required continuing point source and service area water quality planning activities that we must perform as part of our continuing water quality planning work, and matching funding to support these activities is essential. Work element 3141 will include adoption of the update of Appendix C of the *Dane County Water Quality Plan* (Point Source Inventory and Analysis) last updated in 2004, and needing to be updated based on 2010 Census data and new 2040 population projections for all service areas. This work has been continuing through 2014, but due to delays in DOA release of population projections (which was finally done in February 2014), development of population projections for service areas has been delayed until the end of 2014. We expect to use the new projections to complete the update of Appendix C. Work element 3143 will include completing work on adopting an update of the Environmental Corridors Report (last updated in 1996) as an appendix of the *Dane County Water Quality Plan*. A draft report will be completed as part of the 2013-2014 contract. Work element 3155 will adopt an update of the technical appendix of the water quality plan that deals with groundwater protection. This effort was started in 2013 and a draft will be completed as part

of the 2013-2014 work. The plan update uses the Regional Hydrologic Model update by WGNHS and USGS, and uses the output of this new model to update the Groundwater Protection Plan. Finally, based on the adopted updates of the technical appendixes of the *Dane County Water Quality Plan* work in 2014-2015 will include an update of the Water Quality Plan Summary last updated in 2004. Funding for work element 3151 is essential to support our continuing strategic role in stormwater management and work with developers and municipalities to elevate their stormwater standards and implementation. This approach ensures the implementation of state of the art Best Management Practices that are responsive to the mitigation needs of affected resources, and incorporates these into new development based on site-specific requirements. We are also proposing to continue work on developing a new technical appendix of the *Dane County Water Quality Plan* dedicated to wetland protection planning under 3154.


We hope that sufficient funding can be found to support our request. Keep in mind that because of our request for only matching funds, every dollar in grant reduction requires elimination of two dollars in water quality planning activities. We would welcome suggestions from you regarding reductions in our proposed work program.

The proposed 2014-2015 work program does not request funding support for other CARPC water quality planning activities which supplement or complement the work program activities. These include administering the cooperative water quality monitoring program (as part of the USGS Monitoring Partnership), providing routine technical assistance to municipalities in watershed and nonpoint source control planning, urban erosion and stormwater management, wetland and groundwater protection, lake management, and staff assistance for the Capital Area Regional Planning Commission to become the lead areawide water quality management agency for this designated region.

We appreciate your consideration of our proposed 2014-2015 work program and thank you for your continued assistance and support.

Please contact me if you need additional information or have questions.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ramran Mesbah', is written over a horizontal line.

Ramran Mesbah, PE, AICP

Deputy Director/Director of Environmental Resources Planning

Enclosure

**Proposed 2014-2015 Work Program for the Grant Agreement Between the
Wisconsin Department of Natural Resources and
Capital Area Regional Planning Commission
(July 1, 2014 – June 30, 2015)**

Work Element 3141: Wastewater Systems Planning

Work activities during the contract period include adoption of the update of the point source technical appendix of the *Water Quality Plan*; continuing work providing general assistance, data and population and flow forecasts for MMSD and other management agencies engaged in facilities planning or special wastewater studies; reviewing facilities plans and studies for MMSD and other communities for consistency with plans; participating in interagency meetings and advisory committees on wastewater facilities planning; reviewing and analyzing CMAR reports for wastewater treatment facilities; reviewing and commenting on WPDES permits; reviewing and commenting on consistency of MMSD annexations with plans; and conducting public meetings and hearings on point source *Water Quality Plan* revisions. Work effort is by the Environmental Engineer (1.5 person-month).

Products: Adoption of the update of Appendix C of the *Water Quality Plan*, review comments on facilities plans, WPDES permits, and MMSD annexations; review of CMAR Reports; and special point source studies.

CARPC Staff Effort and Costs: 1.5 person months \$16,972.50

Work Element 3142: Wastewater Systems Service

2014-2015 work activities include review of all public and private sewer extensions (estimate 80/yr) for consistency with plans, service areas, and conditions of approval; participation in public meetings, hearings and committees related to point source issues; review of point source related legislation and administrative rule changes. Work effort is by the Environmental Engineer (2.0 person-months).

Products: Sewer extension reviews (estimate 80), review comments and hearing testimony relative to point source issues.

CARPC Staff Effort and Costs: 1.5 person months \$16,972.50

Work Element 3143: Urban Service Area and Environmental Corridor Delineation

2014-2015 work activities include revising and updating urban service area and environmental corridor delineations to reflect revised and updated population forecasts for all urban service areas, new or revised resource information, approved site plans and plats, public open space purchases, revised official maps and plans; preparing analysis reports, including the evaluation of impacts and mitigation measures, and conducting public hearings on all service area plan amendments and major changes to environmental corridors (estimate 12); providing support data to DNR for service area and environmental corridor revisions and environmental

assessments. Work effort is by Environmental Engineer (2.0 person-months), web manager (1.0 person-month), and Division Director (1.0 person-month).

Work in 2013-2014 included completing a draft update of the Environmental Corridors Report (last updated in 1996). Completed work includes integration of habitat health considerations and connectivity methodologies based on wildlife movement into environmental corridors delineation; assessment of habitat quality in and around the Central, Northern, Sun Prairie, and Stoughton urban service areas. Work on adopting the updated report as a technical appendix of the *Dane County Water Quality Plan* will be completed in 2014-2015. This work effort is by Environmental Engineer (1.0 person-month).

Products: Revised urban service area boundary and environmental corridor delineations, plan revisions, and adoption of the updated Environmental Corridors Report.

CARPC Staff Effort and Costs: 5.0 person months

\$56,575

Work Element 3151: Urban Nonpoint Source Management

Work activities include reviewing stormwater management plans for new development for consistency with the conditions imposed by the *Dane County Water Quality Plan*. Additional activities include assisting urban units of government in developing and implementing detailed watershed plans and projects, assisting communities in implementing urban nonpoint source recommendations of the *Dane County Water Quality Plan*, incorporating urban nonpoint source recommendations into community land use and comprehensive plans, and holding technical stormwater webinars and forums on BMP design and implementation for municipal technical staff. Provide technical assistance to communities in reviewing site development stormwater plans for water quality impacts, and implementing WDNR and USEPA stormwater permit requirements. Work effort is by Environmental Engineer (2.0 person-months) and Division Director (1.0 person-month).

Products: Data and review comments on watershed plans, projects, ordinances, stormwater plans, and site development plans for water quality impacts and mitigation measures.

CARPC Staff Effort and Costs: 3.0 person-months

\$33,945

Work Element 3154: Wetland Protection Planning

CARPC completed and produced a report titled *Dane County Wetland Resource Management Guide* in 2008. This guidebook outlined strategies and approaches that can be used by property owners and municipalities to protect and improve wetland resources in the region. The intent was to use this guidebook as a first step in developing a wetlands protection plan as a technical appendix of the *Dane County Water Quality Plan*, and element that is currently included in the water quality plan only as a factor in the delineation of environmental corridors in urban areas. With the presence of a restoration ecologist on the CARPC staff between 2011 and 2014, an approach towards wetland protection and enhancement based on habitat qualities and opportunities was initiated. The 2013-2014 work furthered the evaluation of some of the important wetlands of the region to include habitat quality, connectivity, and restoration potential. The plan development will be continued in 2014-2015 from the raw work

conducted by the restoration ecologist (no longer working with CARPC since the end of the HUD Grant). Work effort is by environmental engineer and senior environmental planner.

Products: Methodology and assessment of wetland habitat quality and restoration potential to compliment the wetland classification work completed in 2008 as part of the *Dane County Wetlands Resource Management Guide*.

CARPC Staff Effort and Costs: 2.0 person-months

\$22,630

Work Element 3155: Groundwater Protection Planning

CARPC work activities in 2011-2012, 2012-2013, and 2013-2014 included updating the Regional Hydrologic Groundwater Model, a groundwater model which has helped the Commission to evaluate the impacts of development and groundwater withdrawal on stream baseflow volumes. The Wisconsin Geologic and Natural History Survey in cooperation with USGS is completing this update in August 2013 and the model was made available in February 2014. The new groundwater model provides updated and improved analysis of the regional groundwater system, allowing CARPC to draft an updated Appendix G (Groundwater Protection Plan) of the *Dane County Water quality Plan*. This technical appendix was last updated in 1999 based on the findings of the first generation Regional Hydrologic Groundwater Model. 2014-2015 work will involve adopting the updated Appendix G.

Work effort is by Senior Environmental Planner (2.0 person-month).

Products: Completed update of Appendix G of the *Dane County Water Quality Plan*, evaluation of public water systems based on updated Regional Hydrologic Groundwater Model.

CARPC Staff Effort and Costs: 2.0 person-months

\$22,630

| Capital Area Regional Planning Commission 2012-2013 Water Quality Planning Work Program Budget (July 1, 2014 – June 30, 2015) | | | |
|--|----------------------------------|-------------------|-------------------------------|
| Work Element | Total CARPC Person Months | Total Cost | GPR/604b Grant Request |
| 3141 | 1.5 | \$ 16,972.50 | \$ 8,500 |
| 3142 | 1.5 | 16,972.50 | 8,500 |
| 3143 | 5.0 | 56,575 | 28,300 |
| 3151 | 3.0 | 33,945 | 17,000 |
| 3154 | 2.0 | 22,630 | 11,350 |
| 3155 | 2.0 | 22,630 | 11,350 |
| Total | 15.0 | \$ 169,725 | \$ 85,000 |

Keally, Fran - DNR

From: Mesbah, Kamran <KamranM@capitalarearpc.org>
Sent: Thursday, June 26, 2014 2:56 PM
To: Keally, Fran - DNR
Cc: Helmuth, Lisa D - DNR; Asplund, Tim - DNR; Mugan, Tom J - DNR; Raab, Ryan J - DNR
Subject: RE: CARPC DNR_DRAFT_2014_15 Proposed Scope of Work for WQM Grant

Thank you Fran! I need to reduce about one person month, so I will look at 3141 and 3142 as you suggested. The Water Quality Plan Summary update is pass-due. It needed to be done in 2010 to meet the required 5-year update!! But population projections were not available and there was no point doing an update without first updating the technical appendixes. I would also hastate to postpone this work because we have been pushing for an update of the Land Use and Transportation Plan (the 2040 regional development framework), and I want the Summary to be feeding that update when it starts.

In your other suggestions, the corridors report is already getting too big, since we have added general discussion of habitats and connectivity to it. The wetland protection plan would provide information on the quality and restoration recommendations for specific wetland resources and is going to be voluminous on its own.

I will revise our 2014-2015 scope of work and send you a signed copy early next week.

Have a great weekend,

Kamran

From: Keally, Fran - DNR [<mailto:Fran.Keally@wisconsin.gov>]
Sent: Thursday, June 26, 2014 2:38 PM
To: Mesbah, Kamran
Cc: Helmuth, Lisa D - DNR; Asplund, Tim - DNR; Mugan, Tom J - DNR; Raab, Ryan J - DNR
Subject: RE: CARPC DNR_DRAFT_2014_15 Proposed Scope of Work for WQM Grant

Hello Kamran,

Lisa and I have both reviewed the draft proposal and have the following suggestions. Your grant amount will be \$85,000, so we realize you may need to cut back somewhere. Here are our thoughts:

- Work Element 3141 - Perhaps this is an area where you could reduce staff participation? *Reduced by -5 months \$15657*
- Work Element 3142 - Statewide we are approving around 500 sewer extensions a year. An estimate of 80 for Dane County seems a bit high. Do you know how many 208 letters were written in 2013 and how many have been written so far in 2014? Many of those would have been for City of Madison rehab projects which I assume would not require a very lengthy review. So, perhaps, this is a place to reduce your budget a bit. *Reduced by -5 months \$15657*
- We suggest you postpone the update of the Water Quality Plan Summary, if that would free up time/money for the next fiscal year.

Having suggested areas where you can perhaps reduce work hours, we do think the following activities are critical:

- Work Element 3143 – Urban Service Area and Environmental Corridor Delineation. Could the Environmental Corridors Report be expanded to include the Wetland Protection Planning as a subset of the report? Would combining these efforts be cost effective? We appreciate the goal of completing this report by July 2015.
- Work Element 3151 – Urban Nonpoint Source Management – Ongoing work which is important.
- Work Element 3155 – Groundwater Protection Planning – completion of Appendix G by July 2015 would be great.

Thanks for giving us the opportunity to comment.

Fran Keally

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Quality Customer Service is Important to Us. Tell Us How We Are Doing.

Water Division Customer Service Survey

<https://www.surveymonkey.com/s/WDNRWater>

From: Mesbah, Kamran [<mailto:KamranM@capitalarearpc.org>]

Sent: Tuesday, June 24, 2014 8:40 PM

To: Helmuth, Lisa D - DNR; Keally, Fran - DNR

Subject: DNR_DRAFT_2014_15proposal.doc

Lisa and Fran,

Please find attached the draft of the proposed scope of work for the 2014-2015 contract. Please review and advise. I will sign final proposal on letterhead once I hear back from you.

Thanks,

Kamran