

**COOPERATIVE AGREEMENT BETWEEN
CAPITAL AREA REGIONAL PLANNING COMMISSION AND
THE CITY OF MADISON FOR
WATER RESOURCE MONITORING ACTIVITIES**

CY2014 RENEWAL

THIS AGREEMENT is by and between the City of Madison, hereinafter the "City," and the Capital Area Regional Planning Commission, hereinafter the "CARPC."

WHEREAS, the parties have an ongoing relationship to cooperate in the monitoring of the water resources within Dane County and wish to continue this cooperation through 2014.

NOW, THEREFORE, LET IT BE RESOLVED that the parties do mutually agree as follows:

1. Purpose. State and local municipalities in Dane County, Wisconsin, have joined together to conduct the systematic monitoring of water resources within Dane County, formally known as the Dane County Cooperative Water Resources Monitoring Program. This program is conducted by the United States Geological Society, hereinafter the "USGS," and funded by the participants, matched by USGS.
2. Term and Renewal. The term of this agreement is January 1, 2014, through December 31, 2014. Upon mutual agreement of the parties, the agreement may be renewed for successive calendar years.
3. Scope of Services. The City's participation in the program is to fund activities conducted on the Spring Harbor storm sewer. The City will have access to data collected at any of the monitoring stations within the program. Collection sites and contributions by the various participants are set forth in Attachment A, which is hereby incorporated by reference.
4. Payment. The City shall contribute a share, not to exceed \$9,953 to the total cost of the water resources program as contracted between the CARPC and the USGS. This amount shall be paid upon the City's receipt of an invoice from the CARPC. Payment shall be made within thirty (30) days receipt of invoice.
5. Nondiscrimination. During the term of this Agreement, the City and the County, each for itself, agrees to abide by its own affirmative action plan and in doing so shall not discriminate in the employment, training, or education of any person by reason of race, religion, marital status, age, color, sex, handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, political beliefs, or student status.
6. Liability. City shall be responsible for injuries, claims and losses arising from or caused by the acts or omissions of its officers, employees, agencies, boards, commissions and representatives. The obligations of the parties under this paragraph shall survive the expiration or termination of this Agreement.

2014 Capital Area Cooperative Water Resources Monitoring Program

Data Collection Site	USGS	Dane County	DNR	Westport	Madison	Middleton	Total
1. Spring Harbor Storm Sewer							
- Streamflow (continuous)	2,665				3,514		6,179
- Suspended sediment sampling and loads based on 150 samples (USGS KY Lab)	5,053				6,439		11,492
Subtotal	\$7,718				\$9,953		\$17,671
2. Pheasant Branch at USH 12, Middleton							
- Streamflow (continuous)	4,585					5,796	10,381
- Suspended sediment sampling and loads based on 55 samples (USGS KY Lab)	5,368					6,663	12,031
- Total P, nitrate plus nitrite, ammonium, and total Kjeldahl nitrogen sampling and loads based on 55 samples; and dissolved ortho-P sampling based on 20 samples	2,175	2,729					4,904
- Phosphorus and nitrogen lab analyses (State Lab)			----				----
Subtotal	\$12,128	\$2,729				\$12,459	\$27,316
3. Yahara River at Windsor							
- Streamflow (continuous)	4,585	5,796					10,381
- Suspended sediment, total P, nitrate plus nitrite, ammonium, and total Kjeldahl nitrogen sampling and loads based on 55 samples; and dissolved ortho-P sampling based on 20 samples	5,629	7,118					12,747
- Phosphorus and nitrogen lab analyses (State Lab)			----				----
Subtotal	\$10,214	\$12,914					\$23,128
4. Yahara River at SH 113, Madison							
- Streamflow (AVM, continuous)	2,620	1,750	----	1,860			6,230
- Total P and suspended sediment (USGS KY Lab) sampling and loads based on 55 samples and dissolved ortho-P based on 20 samples	2,620	1,750	----	1,860			6,230
- Phosphorus lab analyses (State Lab)			----				----
Subtotal	\$5,240	\$3,500		\$3,720			\$12,460
5. Baseflow Sampling (4 Sites)							
- Dissolved oxygen, E. Coli, pH, specific conductance, and temperature. Analysis of suspended sediment, phosphorus, and nitrogen at USGS NWQL	4,266	6,399					10,665
Subtotal	\$4,266	\$6,399					\$10,665
6. Lake Level Gages							
- Lakes Mendota, Monona, Kegonsa, and Waubesa	8,000	11,000					19,000
Subtotal	\$8,000	\$11,000					\$19,000
7. Streamflow Gages							
- Yahara River at Madison, McFarland, and Stoughton; Black Earth Creek at Black Earth	21,300	33,400					54,700
Subtotal	\$21,300	\$33,400					\$54,700
Grand Total	\$68,866	\$69,942		\$3,720	\$9,953	\$12,459	\$164,940

¹ Phosphorus and nitrogen lab analyses service performed by the State Lab of Hygiene through separate agreement between SLOH and DNR for Pheasant Branch and Windsor gages (\$12,710) and Yahara River at SH 113 (\$1,631).

² Does not include funding for streamflow, sampling and loads (\$19,760) provided through separate agreement between USGS and DNR for DNR share of Yahara R. at SH113.