

**2016 ANNUAL WORK PLAN, DANE COUNTY  
CONSERVATION PRACTICE SITE EVALUATION AND INSTALLATION**

Annual work plans (a) must be consistent with the goals and objectives described in the County's LWRM Plan, (b) are limited to no more than four pages in length including completion of the first page of required entries where goals and objectives are listed in bold, (c) must only include priority activities (and should describe activities beyond the required entries), (d) have benchmarks for each planned activity, and (e) identify performance measures related to sediment and nutrient (e.g. phosphorous) reductions if applicable. The planned activities described in an annual work plan must account for at least 50 percent of available county staff hours for the year.

GOAL/OBJECTIVE (Include LWRM plan references, i.e. goal number and objective number)	PLANNED ACTIVITIES WITH BENCHMARKS (identify focus areas, e.g. HUC 12 watershed code)	ESTIMATE OF STAFF COSTS (Hours if not accounted for)	ESTIMATE OF COST-SHARING	PERFORMANCE MEASUREMENTS
<b><i>Farm inspections to implement state performance standards and prohibitions</i></b>	<p><i>Conduct 300 landowner contacts and status reviews documenting compliance with state performance standards. FPP participants within the following townships will be prioritized: Cottage Grove*, Windsor*, Burke*, Rutland*, Mazomanie, Oregon*, York, Medina, Blue Mounds.</i></p> <p><i>* Located within the Yahara River/Badfish Creek watersheds.</i></p>	<p><i>\$120,000 (3,000 hrs)</i></p>	<p><i>n/a</i></p>	<p><i># of inspections performed</i></p> <p><i># of compliance certificates, compliance schedules or letters issued</i></p>
<b><i>Cropland conservation practices installed to implement state performance standards and prohibitions</i></b>	<p><i>Plan, design and/or install cropland conservation practices:</i></p> <ul style="list-style-type: none"> <li><i>• 20 waterways projects cost-shared</i></li> <li><i>• 5 diversions, grade stabilization or terrace projects cost-shared</i></li> <li><i>• 300 acres of cover crops, no-till, reduced tillage and similar projects cost-shared</i></li> </ul> <p><i>Provide nutrient management technical assistance including training, planning and review of 50 nutrient management plans.</i></p> <p><i>Conduct at least 2 nutrient management workshops for past or new farmer written nutrient management plans.</i></p> <p><i>Note: Efforts will be implemented county-wide but focused where appropriate in the Yahara River, Badfish Creek and Door Creek watersheds.</i></p>	<p><i>\$120,000 (3,000 hrs)</i></p>	<p><i>\$240,000</i></p> <p><i>using a combination of funding opportunities including: EQIP, SWRM (bond &amp; seg), DNR, Yahara WINS, County Funds, and others based on availability</i></p>	<p><i># of staff hours expended for training, design and installation</i></p> <p><i>Type and units of practice(s) installed</i></p> <p><i>Amount of cost-share dollars spent</i></p> <p><i># lbs of P reduced</i></p> <p><i># acres of cropland in compliance with a performance standard (e.g. soil erosion, tillage setback)</i></p>

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<p><b><i>Livestock facility conservation practices installed to implement state performance standards and prohibitions</i></b></p>	<p><i>Plan, design and/or install livestock facility conservation practices:</i></p> <ul style="list-style-type: none"> <li>• <i>4 barnyard systems cost-shared</i></li> <li>• <i>2 storage facility closures cost-shared</i></li> <li>• <i>4 pasture management, fencing or related practices cost-shared</i></li> </ul> <p><i>Provide conservation practice technical assistance to 10 landowners associated with livestock facility conservation practices.</i></p> <p><i>Note: Efforts will be implemented county-wide but focused when appropriate in the Yahara River, Badfish Creek and Door Creek watersheds.</i></p>	<p><i>\$60,000 (1,500 hrs)</i></p>	<p><i>\$620,000</i></p> <p><i>using a combination of funding opportunities including: EQIP, SWRM (bond), DNR, Yahara WINS, County Funds, and others based on availability</i></p>	<p><i># staff hours expended for design and installation</i></p> <p><i>Type and units of practice(s) installed</i></p> <p><i>Amount of cost-share dollars spent</i></p> <p><i># lbs of P reduced</i></p> <p><i># livestock facilities in compliance with a performance standard</i></p>
<p><b><i>Permits issued or obtained in connection with practices installed</i></b></p>	<p><i>Review and issue 5 manure storage permits and inspect 10 existing permitted storages.</i></p> <p><i>Develop, review, inspect and issue 50 winter spreading permits.</i></p> <p><i>Provide technical assistance to 10 landowners on obtaining applicable local, county, state and federal permits (i.e. chapter 30, wetlands, storm water, etc.)</i></p>	<p><i>\$40,000 (1,000 hrs)</i></p>	<p><i>n/a</i></p>	<p><i># staff hours</i></p> <p><i># type of permits issued or obtained</i></p> <p><i># inspections completed</i></p>

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<p><b>Conservation practices installed to implement LWRM priorities</b></p>	<p><i>Plan, design and install conservation practices:</i></p> <ul style="list-style-type: none"> <li>• <i>5 stream bank/stream habitat restoration practices</i></li> <li>• <i>1 wetland restoration</i></li> </ul> <p><i>Acquire 1-5 miles of permanent streambank easements based on funding availability.</i></p> <p><i>Provide technical assistance to 5 landowners associated with similar conservation practices.</i></p>	<p align="center">\$60,000 (1,500 hrs)</p>	<p align="center">\$200,000</p> <p align="center"><i>Using a combination of funding opportunities including: EQIP, SWRM (bond), DNR, Yahara WINS, County Funds, and others based on availability</i></p>	<p align="center"><i># staff hours expended for design and installation</i></p> <p align="center"><i>Type and units of practice(s) installed</i></p> <p align="center"><i>Amount Cost-share dollars spent</i></p> <p align="center"><i># lbs of P reduced</i></p>

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LOCALLY-IDENTIFIED PRIORITIES**

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<p>Work with landowners to implement CRP and CREP Programs for maintaining, restoring and enhancing habitat on marginal lands. (1.1, 3.2 and 3.3)</p>	<p>Provide planning and technical assistance to landowners for new and re-enrollment to CRP and CREP:</p> <ul style="list-style-type: none"> <li>• 50 re-enrollment contracts</li> <li>• 25 new enrollment contracts</li> </ul> <p>Assist FSA and NRCS with contracting new and re-enrollment contracts.</p>	<p>\$60,000 (1,500 hrs)</p>	<p>Funds from FSA and DATCP</p>	<p># staff hours # site visits # enrollments (new &amp; re-enrollments)</p>
<p>Implement conservation practices for alternative point source phosphorus compliance options and TMDL implementation in accordance with applicable plans and service agreements. (1.2 and 2.3)</p>	<p>Provide technical services to implement conservation practices and track phosphorus load reductions for Madison Metropolitan Sewerage District Adaptive Management Project (Yahara WINs) focused in the Yahara River and Badfish Creek Watersheds.</p> <p>Evaluate options for potential partnerships with point sources to implement conservation practices including:</p> <ul style="list-style-type: none"> <li>• Lodi Wastewater (Lake Wisconsin Watershed)</li> <li>• Dane/Iowa Wastewater (Black Earth Creek Watershed)</li> <li>• Brooklyn Wastewater (Allen Creek Watershed)</li> <li>• Multi-discharger Variance</li> </ul> <p>Note: Practice implementation is accounted for under cropland and livestock implementation goals identified above. Program management and reporting is accounted for under this activity.</p>	<p>\$40,000 (1,000 hrs)</p>	<p>n/a</p>	<p># meetings attended # reports completed</p>

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Minimize manure runoff from cropped fields utilizing alternative management options. (2.3 and 4.5)	<p>Explore alternative manure management options including:</p> <ul style="list-style-type: none"> <li>• Low disturbance manure injection (LDMI)</li> <li>• Digesters</li> <li>• Nutrient concentration systems</li> <li>• Community manure storage</li> </ul> <p>Conduct pilot study programs to evaluate effectiveness and producer interest in alternative manure management options.</p> <p>Note: Activities are primarily focused in the upper reaches of the Yahara River Watershed.</p>	\$20,000 (500 hrs)	\$2,570,000  Using a combination of funding options including: County, Yahara WINS, NGOs and others based on availability.	# LDMI applications received  # meetings attended
Develop and implement an invasive species program for aquatic and terrestrial invasive species. (3.5, 4.6, and 6.3)	Clean Boats Clean Waters – Inspect watercraft at select landings for AIS on both Mendota and Monona lakes.	\$10,000 (600 hrs)	\$8,000  Using a combination of funding options including: County, State and others based on availability.	# hours logged at (2) specified landings

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Provide assistance to Dane County Parks to improve and enhance habitat. (3.1, 3.2, 3.3, 4.4, and 6.1)	<p>Install 14 fish habitat structures on the northwest shore of Lake Waubesa.</p> <p>Work with volunteers to evaluate habitat conditions in the Black Earth Creek Watershed.</p> <p>Remove common carp from Dane County waters to improve water quality and fisheries habitat targeting Indian Lake, Cherokee Marsh and Mud Lake.</p> <p>Pursue land acquisitions to conserve natural resource properties in the Dane County Parks and Open Space Plan.</p> <p>Work with Southwest Trout Unlimited volunteers to evaluate and maintain improved stream corridors that are covered by perpetual Dane County Streambank Easements.</p> <p>Restore wildlife habitat at Dane County's Walking Iron Wildlife Area.</p> <p>Work with partners to plan and design an extensive stream improvement project at the Dane County Sugar River Wildlife Area.</p>	<p>\$25,000 (500 hrs)</p>	<p>\$7,500</p> <p>Using a combination of funding options including: County, State and others based on availability.</p>	<p># structures completed</p> <p># miles of habitat assessed</p> <p># lbs carp removed</p> <p># acres purchased/protected</p> <p># miles of stream evaluated and maintained</p> <p># acres restored</p> <p># feet of stream improved</p> <p># practices installed</p>
Implement erosion control and storm water management programs (5.3)	<p>Review and issue at least 300 erosion control and stormwater management plans and permits.</p> <p>Conduct at least 100 permit compliance inspections and enforcement.</p> <p>Implement Urban Water Quality Grant program.</p>	<p>\$180,000 (4,500 hrs)</p>	<p>\$1,400,000</p> <p>County funds for UWQGs</p>	<p># plans reviewed</p> <p># permits issued</p> <p># inspections completed</p> <p># grants awarded</p>

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<p>Implement educational programs aimed at reducing quantity and improving quality of urban stormwater runoff. (4.5, 6.2, 6.3)</p>	<p>Coordinate Plant Dane! Plant Cost Share Program and distribute 10,000 native plants.</p> <p>Host 1 Rain Garden Workshop.</p> <p>Develop 3 communication toolkits for partners to promote various best management practices within their communities.</p> <p>Collaborate with partners on leaf management studies and use results to refine leaf management campaign to keep leaves out of the streets.</p> <p>Host 1 Effective Winter Maintenance Workshop for salt applicators.</p> <p>Develop a web-based interactive map of MAMSWaP area watersheds for an Adopt a Storm Drain pilot.</p> <p>Note: Activities are focused in the urbanized portions of the county primarily in the Yahara River Watershed.</p>	<p>\$28,000 (700 hrs)</p>	<p>\$11,000</p> <p>Plant Dane Cost Share Contribution from Graham Martin Foundation</p>	<p># Plant Dane participants</p> <p># Plant Dane plants distributed</p> <p># Rain Garden Workshop participants and workshop evaluations</p> <p># Effective Winter Maintenance Workshop participants and workshop evaluations</p> <p>Map of storm drains</p>

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<p>Conduct general education and outreach activities to a variety of audiences based on current priorities. (6.1)</p>	<p>Conduct 1 landowner/producer meeting in the Door Creek Watershed.</p> <p>Develop a park informational kiosk for the Door Creek Watershed.</p> <p>Hold 1 watershed summit for local watershed groups and organizations.</p> <p>Develop and/or update educational outreach materials focused on conservation practices and watershed projects.</p> <p>Conduct 3 Watershed Network Gatherings.</p> <p>Engage volunteers in projects to improve county water resources.</p> <p>Note: Activities will be implemented county-wide but focused when appropriate in the Yahara River, Badfish Creek and Door Creek watersheds.</p>	<p>\$20,000 (500 hrs)</p>	<p>n/a</p>	<p># participants at meetings and workshops</p> <p># education and outreach materials developed</p> <p># volunteer opportunities posted on <a href="http://www.takeastate.org">www.takeastate.org</a></p> <p># volunteers engaged with projects</p>