

**DANE COUNTY 2017 ANNUAL WORK PLAN
LOCALLY-IDENTIFIED PRIORITIES**

Table 1: Planned activities and performance measures by category

CATEGORY	PLANNED ACTIVITIES WITH BENCHMARKS	PERFORMANCE MEASUREMENTS
<p>Cropland, soil health and/or nutrient management</p> <p>Maintain agricultural lands long-term production and manage crop nutrients in an economic and environmentally sound manner while protecting and improving the quality of groundwater and surface water in Dane County and providing education to targeted audiences. (1.1, 1.2, 2.1, 2.2, 2.3, 4.5, 6.1, 6.2)</p>	<p>Plan, design and/or install cropland conservation practices:</p> <ul style="list-style-type: none"> • 20 waterways projects cost-shared • 5 diversions, grade stabilization or terrace projects cost-shared • 300 acres of cover crops, no-till, reduced tillage and similar projects cost-shared • 2 low disturbance manure injection toolbars cost-shared <p>Provide nutrient management technical assistance including training, planning and review of 50 nutrient management plans.</p> <p>Conduct at least 2 nutrient management workshops for past or new farmer written nutrient management plans.</p> <p>Conduct a cover crop initiative in partnership with UWEX and NRCS focused on aerial seeding of silage ground including outreach meetings.</p> <p>Hold annual agronomist check-in meeting.</p> <p>Hold at least 1 cover crop/soil health demonstration.</p> <p>Conduct annual county-wide crops and tillage survey.</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>Nutrient Management = 172,123 acres Contour Farming = 13.6 acres Cover Crops = 2,276 acres Clean Water Diversion = 2,000 feet Terraces = 558 feet Grade Stabilization Structures = 3 Grassed Waterways = 12.7 acres Low Disturbance Manure Injection Toolbars = 2 Grassed Buffers & Filter Strips = 562.5 acres</p> <p>Amount of cost-share dollars allocated = \$747,035* *Combined for all practices (cropland, livestock, etc.)</p> <p>18,015 pounds of phosphorus reduced in the Yahara/Badfish Watersheds (combined for cropland, livestock, etc. practices)** **See Annual Dane County Yahara WINS Adaptive Management Report – 2017 and Dane County RCPP Report</p>

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<p>Livestock</p> <p>Maintain agricultural lands long-term production while protecting and improving the quality of groundwater and surface water in Dane County and providing education to targeted audiences. (1.2, 2.2, 2.3, 4.5, 6.1, 6.2)</p>	<p>Plan, design and/or install livestock facility conservation practices:</p> <ul style="list-style-type: none"> • 3 barnyard systems cost-shared • 2 storage facility closures cost-shared • 2 pasture management, fencing or related practices cost-shared • 1 small scale process wastewater system <p>Provide conservation practice technical assistance to 10 landowners associated with livestock facility conservation practices.</p> <p>Review and issue 5 manure storage permits and conduct 10 manure storage permit inspections.</p> <p>Review and issue 2 manure storage closure permits.</p> <p>Review and issue 5 winter spreading permits under Chapter 14 and conduct status reviews on 20% of the permits annually.</p> <p>Hold at least 1 manure storage permit educational meeting targeted for applicants and consultants.</p> <p>Establish a grazing network in partnership with UWEX and Glacierland RC&D including facilitated roundtable discussion with targeted grazing operators and 2 pasture walks.</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>Manure Storage Closure = 11 Fencing = 8,527 feet Roof Runoff Management System = 560 feet</p> <p>Amount of cost-share dollars allocated = \$747,035* *Combined for all practices (cropland, livestock, etc.)</p> <p>18,015 pounds of phosphorus reduced in the Yahara/Badfish Watersheds (combined for cropland, livestock, etc. practices)** **See Annual Dane County Yahara WINS Adaptive Management Report – 2017 and Dane County RCPP Report</p>

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<p>Water quality/quantity</p> <p>Protect and enhance in-stream, riparian, wetland and upland habitat. (3.1)</p>	<p>Implement Year 1 of the Dane County Legacy Sediment Removal Project.</p> <p>Complete Phase 2 of a 2,985 ft. stretch of streambank protection on the Sugar River at the Sugar River Basco Unit Wildlife Area in the Town of Montrose.</p> <p>Work with willing sellers on acquiring streambank easements along cold water trout streams.</p>	<p>Streambank Protection & Restoration = 215 feet Wetland Restoration = 50.5 acres Wildlife Habitat Restoration = 1,966 acres</p> <p>Streambank Easements = 1 mile stream thread, 2 easements</p>
<p>Invasive species</p> <p>Develop and implement an invasive species program for aquatic and terrestrial invasive species. (3.5, 4.6, and 6.3)</p>	<p>Review and update Aquatic Plant Management Plan for the Yahara Chain of Lakes and River.</p> <p>Inspect watercraft (CBCWW) at select landings for AIS on both Mendota and Monona lakes.</p> <p>Update Dane County Emerald Ash Borer Management Plan.</p> <p>Evaluate and continue EAB wood recycling options and programs.</p> <p>Remove common carp from Dane County waters targeting Indian Lake, Cherokee Marsh, Lake Kegonsa, and Mud Lake.</p> <p>Conduct near-shore fish surveys for Mendota and Monona Lakes.</p> <p>Work with volunteers to control invasive species along streambank easement corridors and Dane County Parks properties.</p> <p>Install EAB and Wood Recycling educational displays at parks affected by EAB</p> <p>Install Invasive Pests and Wood Recycling Exhibit at Henry Vilas Zoo.</p>	<p>446 hours logged for CBCWW</p> <p>110,000 lbs carp removed from Lake Kegonsa</p> <p>2 near-shore fish surveys completed</p>

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<p>Wildlife-Wetlands-Habitat</p> <p>Provide assistance to Dane County Parks to improve and enhance habitat. (3.1, 3.2, 3.3, 4.4, and 6.1)</p> <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>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>Provide planning and technical assistance to landowners for new and re-enrollment to CRP and CREP:</p> <ul style="list-style-type: none"> • 50 re-enrollment contracts • 25 new enrollment contracts <p>Assist FSA and NRCS with contracting new and re-enrollment contracts.</p>	<p>214 acres acquired 84.5 acres placed in easements</p> <p>CRP/CREP/SAFE Totals Federal Fiscal 2017 Total New: 63 Total Re-enroll: 91</p> <p>Broken Down by program: Continuous CRP: New: 2 Re-enroll: 4</p> <p>CREP: New: 13 Re-enroll: 53</p> <p>HELI: Re-enroll: 7</p> <p>SAFE Grasslands: New: 3 Re-enroll: 34</p> <p>SAFE Monarch: New: 45</p>
<p>Urban issues</p> <p>Implement erosion control and storm water management programs (5.3)</p>	<p>Review and issue erosion control and storm water management plans and permits.</p>	<p>1,026 plans reviewed</p>

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	<p>Conduct erosion control and storm water management compliance inspections and enforcement.</p> <p>Implement Urban Water Quality Grant program.</p>	<p>474 permits issued</p> <p>4,184 inspections completed</p> <p>7 grants awarded for \$1,526,574</p>
<p>Watershed strategies</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 Yahara WINS Adaptive Management Project 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"> • Lodi Wastewater (Lake Wisconsin Watershed) • Dane/Iowa Wastewater (Black Earth Creek Watershed) • Multi-discharger Variance <p><i>Note: Practice implementation is accounted for under cropland and livestock implementation goals identified above. Program management and reporting is accounted for under this activity.</i></p>	<p>26 meetings attended/presentations given</p>
CATEGORY	PLANNED ACTIVITIES WITH BENCHMARKS	PERFORMANCE MEASUREMENTS
<p>Outreach & Education</p> <p>Implement educational programs aimed at reducing quantity and improving quality of urban storm water 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 targeting residents.</p> <p>Host permeable surface workshop targeting municipal staff and consultants.</p> <p>Develop and distribute 3 campaign/communication toolkits for partners to promote various best management practices within their communities.</p> <p>Host 2 Effective Winter Maintenance Workshop for</p>	<p>269 Plant Dane participants</p> <p>12,600 Plant Dane plants distributed</p> <p>26 Rain Garden Workshop participants and workshop evaluations</p> <p>30 Permeable Surface Workshop participants and workshop evaluations</p> <p>46 Effective Winter Maintenance Workshop participants and workshop evaluations</p> <p>7 Newsletters distributed</p>

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<p>Conduct general education and outreach activities to a variety of audiences based on current priorities. (6.1, 6.2)</p>	<p>salt applicators and managers.</p> <p>Distribute monthly electronic newsletters to Madison Area Municipal Stormwater Partnership (MAMSWaP) with information and resources on how they can implement stormwater outreach programs in their communities.</p> <p>Meet with municipal staff in Door Creek Watershed to talk about P and TSS reductions and Urban Water Quality Grants.</p> <p>Develop a bike route in the Door Creek Watershed and host a fall bike tour to increase awareness of the Door Creek Watershed.</p> <p>Expand citizen monitoring (including nutrient sampling) in the Door Creek Watershed from four to eight sites (pending DNR River Protection Grant).</p> <p>Develop and/or update educational outreach materials focused on conservation practices and watershed projects.</p> <p>Conduct five Watershed Network Gatherings.</p> <p>Engage volunteers in projects to improve county water resources.</p> <p>Expand the Free Native Plants for School and Community Projects program started in 2016. Conduct one training workshop for volunteers.</p> <p>Work with the Dane County Office of Equity and Inclusion as well as other community organizations to expand the diversity of audiences reached through water-related events, activates, and educational opportunities.</p> <p>Install an interactive watershed model and educational information at the Henry Vilas Zoo.</p>	<p>34 Illicit Discharge Workshop participants</p> <p>30 Permeable Pavement Workshop participants</p> <p>73 Watershed Network Gathering participants</p> <p>2 education and outreach materials developed</p> <p>133 volunteer opportunities posted on www.takeastake.org</p> <p>2,000 volunteers engaged with Take A Stake</p> <p>3,000 volunteers engaged with Parks activities</p> <p>2,078 native plants donated to 12 schools and community projects</p>
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<p>Conduct educational activities to involve citizens on issues related to land and water resources and protection. (6.2)</p>	<p>Attend quarterly meetings and act as an advisor to Wisconsin Urban Wood.</p> <p>Host 11 training programs for Park volunteers and partners.</p> <p>Develop County wide volunteer tree planting program.</p> <p>Host 8 Arborfair events highlighting careers in forestry, invasive pests & diseases, proper tree care, and wood recycling.</p> <p>Train at risk teens in forestry job skills through Operation Fresh Start Program, and GROW academy</p> <p>Continue Career and College Pathways program(Forestry emphasis) at Madison Area Schools & other districts with similar program in 4-5th grade, Middle school, High school (appropriate disciplines).</p> <p>Continue Forestry related disciplines with Project Green Teen at Malcom Shabazz High School.</p> <p>Continue Dream night and Rising above barriers tree climbing program with terminally ill and disabled children.</p> <p><i>Note: Activities will be implemented county-wide but focused when appropriate in the Yahara River, Badfish Creek and Door Creek watersheds.</i></p>	
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Table 2: Planned activity related to permits and ordinances

Permits and Ordinances	Plans/application reviews anticipated	2017 Accomplishments	Permits anticipated to be issued	2017 Accomplishments
Feedlot permits	n/a	n/a	n/a	n/a
Manure storage construction and transfer systems	5	6	5	6
Manure storage closure	2	11	2	10
Livestock facility siting	n/a	n/a	n/a	n/a
Nonmetallic/frac sand mining	n/a	n/a	n/a	n/a
Stormwater and construction site erosion control	300	1,026	300	474
Shoreland zoning	n/a	n/a	n/a	n/a
Wetlands and waterways (Ch. 30)	n/a	n/a	n/a	n/a
Other Winter Spreading Permits (Ch. 14 DC ordinance)	5	58	5	37

Table 3: Planned inspections

Inspections	Number of inspections planned	2017 Accomplishments
Total Farm Inspections	225	277
For FPP	200	261
For NR 151	25	16
Animal waste ordinance	30	40
Livestock facility siting	n/a	n/a
Stormwater and construction site erosion control	100	4,184
Nonmetallic mining	n/a	n/a

Table 4: Planned outreach and education activities

Activity	Number	2017 Accomplishments
Tours	1	2
Field days	3	5
Trainings/workshops	11	12
School-age programs (camps, field days, classroom)	10	7
Newsletters	12	68
Social media posts	50	350
News release/story	2	17