



FY 18 - 19 Biennial Budget Request Hennepin County

Total Requested Biennial State Contribution:	\$444,384.00	BBR ID	BBR16-8757
Total Leveraged Funds	\$2,161,500.00	Submitted Date	4/11/2016
Total Resource Project and Activities Budget	\$2,605,884.00	Staff Contact	Randy Anhorn
Total BMPs	4	Board Conservationist	Steve Christopher
Total FTEs	54		

NRBG Program Grant Summary

Grant Source	Estimated Amount Available	Estimated Amount Budgeted
SWCD Conservation Delivery	\$51,860.00	\$51,860.00
RIM Easement Delivery	\$2,586.00	\$2,586.00
NRBG Water Plan	\$16,188.00	\$16,188.00
NRBG SSTS	\$37,200.00	\$37,200.00
NRBG WCA	\$114,266.00	\$114,266.00
SWCD State Cost-Share	\$26,784.00	\$26,784.00

Water Resources of Concern

Primary Water Resource of Concern	Water Resource Category	Watershed	Impairments	Trend
Organization Wide - Surface & Ground Water	Surface & Ground Water		Yes	N/A

Activity Summary

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Following the county assuming all duties and authorities of Hennepin Conservation District (HCD), Hennepin County Environment and Energy staff performs required inspections and management on County-owned conservation easements as well as RIM conservation easements.		
Activity Category	Non-Structural Management Practices	Capital Improvement Project?	No

Source of State Contribution	RIM Easement Delivery	Estimated # of FTEs	3
Total Requested Biennial State Contribution	\$2,586.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$24,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$26,586.00	Action or Objective (from plan)	<p>Surface Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020) - strategy 2.1.2 "Promote the establishment of conservation easements to protect valued natural areas."</p> <p>The County will have completed its updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	Due to the county assuming all duties and authorities of Hennepin Conservation District, Hennepin County Environment and Energy staff not only conducts inspections, manages, and prepares reports on the conservation easements the County holds, but also on RIM conservation easements in the county.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Following the county assuming all duties and authorities of Hennepin Conservation District, Hennepin County is now the LGU for WCA implementation housed in the Land and Water Unit of the Environment and Energy Department. Provide technical assistance to LGU's and citizens within Hennepin County and completes WCA site plan review for Elm Creek and Pioneer/Sarah WMO's and wetland delineations on behalf of Hennepin County Public Works.		
Activity Category	Regulations/Ordinances/Enforcement	Capital Improvement Project?	No
Source of State Contribution	NRBG WCA	Estimated # of FTEs	10

Total Requested Biennial State Contribution	\$114,266.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$250,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$364,266.00	Action or Objective (from plan)	<p>The Wetland Conservation Act (WCA) is controlled by State Statute and Rule administered locally (the County is responsible for enforcing WCA through the county). Surface Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. The Plan mentions that providing technical and financial assistance is one of the county's roles. Also, the Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020) objective 1.3 "Protect and restore wetlands".</p> <p>The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	<p>Following the county assuming all duties and authorities of Hennepin Conservation District, Hennepin County is now the LGU for WCA implementation housed in the Land and Water Unit of the Environment and Energy Department. Provide technical assistance to LGU's and citizens within Hennepin County and completes WCA site plan review for Elm Creek and Pioneer/Sarah WMO's and wetland delineations on behalf of Hennepin County Public Works. In addition, the County will be undertaking a wetland restoration project in order to create its own wetland mitigation bank.</p>		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Following the county assuming all duties and authorities of Hennepin Conservation District (HCD), Hennepin County Environment and Energy staff oversees the delivery of all soil and water conservation services previously undertaken by HCD including, but not limited to: Education and outreach, partnering with local natural resource management entities, and providing technical and financial support to residents, municipalities, watersheds, and NGOs.		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	SWCD Conservation Delivery	Estimated # of FTEs	12
Total Requested Biennial State Contribution	\$51,860.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$510,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$561,860.00	Action or Objective (from plan)	<p>Surface water management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020).</p> <p>The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	Hennepin County facilitates an ad hoc group of representatives from county watershed districts (WD), joint powers agreement water management organizations (WMO), cities, county departments, and state and regional natural resource agencies). Through this process the County will work with these "partners" to continue provide technical and financial assistance to residents, municipalities, watersheds and NGOs, and work to meet common natural resources management goals including those in the county's Natural Resources Strategic Plan (2015-2020).		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Following the county assuming all duties and authorities of Hennepin Conservation District (HCD), Hennepin County Environment and Energy staff provides the overall management of State cost-share projects including erosion control, shoreland stabilization, and buffer installation.		
Activity Category	Agricultural Practices	Capital Improvement Project?	Yes
Source of State Contribution	SWCD State Cost-Share	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$26,784.00	Estimated Number of Practices	4
Estimated Leveraged Funds	\$20,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$46,784.00	Action or Objective (from plan)	<p>Surface Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020).</p> <p>The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	Hennepin County Environment and Energy staff will assist county citizens with erosion problems and shoreline stabilization needs by researching potential BMP remediation alternatives, installing resulting BMP(s), and assist landowners in finding potential funding sources.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Compile annual activity report. Provides permitting and inspection program for 33 cities that have officially delegated their programs to the county. In those cities we permit both residential and commercial septic		

	systems (Hennepin County Ordinance 19).		
Activity Category	Regulations/Ordinances/Enforcement	Capital Improvement Project?	No
Source of State Contribution	NRBG SSTS	Estimated # of FTEs	4
Total Requested Biennial State Contribution	\$37,200.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$200,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$237,200.00	Action or Objective (from plan)	<p>SSTS is controlled by State Statute and Rule administered through county ordinance. Hennepin County Ordinance 19 adopts the State of MN Rules Chapter 7080 for the administration of SSTS. Administration is conducted by the Human Services and Public Health Department (HSPHD) to review applications, issue permits, conduct inspections, investigate complaints, perform compliance inspections, issue Stop Work Orders, and take complaints to the Municipal or County Attorney. Hennepin County Department of Environmental Services 2013-2020 and Strategic Plan and Natural Resources Strategic Plan 2015-2020.</p> <p>The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the</p>

			Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.
Describe how this activity could be accomplished in the biennium	Hennepin County provides permitting and inspection of residential and commercial septic in cities that have delegated their programs to the county. Staff within the county's Human Services and Public Health Department administer the program and fees provide additional resources for implementation.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Well Sealing Program. Hennepin County oversees a well sealing cost share grant program that offers residents 75% of sealing costs (up to \$2,000) to seal old wells that are no longer in use		
Activity Category	Administration/Coordination	Capital Improvement Project?	No
Source of State Contribution	MN Dept. of Health	Estimated # of FTEs	1
Total Requested Biennial State Contribution	\$37,500.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$37,500.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$75,000.00	Action or Objective (from plan)	<p>Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020) - strategy 1.2.3 "Seal abandoned wells to reduce the potential for groundwater contamination."</p> <p>The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p>

			<p>Also in Watershed Management Plans of County WD/WMOs.</p> <p>In addition, goals addressing the county's groundwater and groundwater contamination are included in the County's groundwater plan; The County recently completed its portion of the partnered process of updating its geologic atlas; and in the review and comment of local wellhead protection plans we routinely mention our well sealing program.</p>
Describe how this activity could be accomplished in the biennium	Continue sponsoring and budgeting for the well sealing cost-share grant program		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Technical Assistance and Engineering: Provide erosion & sediment control, water quality, floodplain, stormwater management technical assistance and sustainable landscaping and forestry/tree canopy assistance to LGUs and general public. Administration of a grant program to restore critical habitat, reduce erosion, and protect and improve water quality. Examples include rain gardens, shoreland and wetland restoration, streambank stabilization, buffers, and native vegetation restoration. Sit on watershed management organization TACs. Provide environmental education and outreach support.		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	NRBG Water Plan	Estimated # of FTEs	11
Total Requested Biennial State Contribution	\$16,188.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$910,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$926,188.00	Action or Objective (from plan)	Water Plan activities are controlled by State Statute and administered locally. Surface Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-

			<p>design. The Plan mentions that providing technical and financial assistance is one of the county's roles. Also, the Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020) strategy 1.1.3 "Provide technical assistance and education to residents, municipalities, and watersheds."</p> <p>The County will have completed its updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	Continue providing technical and financial assistance and engineering to county LGUs and citizens. Continue to provide education and outreach support throughout the county.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Work with MNDNR and BWSR, watersheds to evaluate identified areas requiring buffers, identifying areas meeting or not meeting requirements, and provide technical and financial assistance to landowners identified as not meeting buffer requirements in order to establish and/or maintain required buffers.		
Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	Buffer Implementation Funds	Estimated # of FTEs	12
Total Requested Biennial State Contribution	\$20,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$10,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$30,000.00	Action or Objective (from plan)	Surface water management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-

			with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020). The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan. Also in Watershed Management Plans of County WD/WMOs.
Describe how this activity could be accomplished in the biennium	Work with MNDNR and BWSR, watersheds to evaluate identified areas requiring buffers, identifying areas meeting or not meeting requirements, and provide technical and financial assistance to landowners identified as not meeting buffer requirements in order to establish and/or maintain required buffers.		

Water Resource Name	Organization Wide - Surface & Ground Water		
Activity Description	Following the County assuming all duties and authorizes of Hennepin Conservation District (HCD), Hennepin County receives Engineering and Technical Assistance (ETA) as a member of Technical Service Area (TSA) 4		
Activity Category	Urban Stormwater Management Practices	Capital Improvement Project?	No
Source of State Contribution	TSA Enhanced Shared Technical Services 2 (25% match)	Estimated # of FTEs	
Total Requested Biennial State Contribution	\$38,000.00	Estimated Number of Practices	0
Estimated Leveraged Funds	\$100,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$138,000.00	Action or Objective (from plan)	Surface Water Management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design . Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020). The County

			<p>will have completed its updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
<p>Describe how this activity could be accomplished in the biennium</p>	<p>Funds will be used to assess the current conditions of county-owned stormwater conveyance systems (i.e., stormwater catch basins, culverts, grit chambers, road ditches and other current stormwater management facilities) and natural areas to identify potential maintenance and improvement projects to address non-point source pollution.</p> <p>Potential assessed issues could include vegetation overgrowth, invert/exvert flow problems, sediment accumulation, erosion or gulying around culverts. Through the assessment maintenance needs would be identified and well as specific projects needed to remediate specific erosion/gulying. Furthermore, through the assessment, areas where additional water quality and/or quantity treatments could be incorporated to “go beyond compliance” (i.e., iron enhanced sand filter bench or additional bioretention) to reduce downstream loadings will be identified.</p>		

<p>Water Resource Name</p>	<p>Organization Wide - Surface & Ground Water</p>
<p>Activity Description</p>	<p>The agricultural and hobby farm sector of Hennepin County is one of the main contributors to water impairments in rural areas of the county. Total Maximum Daily Load (TMDL) studies have confirmed that these sources are significant contributors of nutrients to our impaired waters. Soil, water and nutrient conservation practices, as well as feedlot and manure management practices have the highest potential for nutrient reductions in these areas and also have the greatest cost effectiveness.</p> <p>The traditional system of marketing and delivery of technical services to rural landowners in Hennepin County has not been in place for years. To effectively approach and work with the rural landowners, someone with the time and knowledge to market, meet and work with individuals and groups of landowners in our rural areas is essential to begin to achieve the reductions in nutrients necessary for correcting the impairment’s to our water resources.</p> <p>It is our belief, that hiring a rural conservationist to work full time to pursue the goal of reducing nutrient transport from private agricultural land to our water resources would expand our presence in the rural areas of the county and help fulfill the goals of our Natural Resources Strategic Plan (ensuring that our waters are clean and healthy, landscapes are diverse and natural areas preserved, foster effective partnerships and motivate environmental stewardship). In addition, working with willing landowners to identify and implement specific best management projects on their lands could greatly enhance our position to leverage future funding.</p>

Activity Category	Technical/Engineering Assistance	Capital Improvement Project?	No
Source of State Contribution	SWCD Local Capacity Funds	Estimated # of FTEs	1
Total Requested Biennial State Contribution	\$100,000.00	Estimated Number of Practices	
Estimated Leveraged Funds	\$100,000.00	Plan Type	County Comprehensive Plan, M.S.473 (seven-county metro only)
Projects & Activities Budget	\$200,000.00	Action or Objective (from plan)	<p>Surface water management is one of four elements identified in the Hennepin County 2030 Comprehensive Plan http://www.hennepin.us/business/work-with-henn-co/transportation-planning-design. Hennepin County Department of Environmental Services 2013-2020 Strategic Plan and Natural Resources Strategic Plan (2015-2020). The County will have completed it updated 10-year Comprehensive Plan update by 2019 and the Board adopted Natural Resources Strategic Plan will be included within the updated Comp Plan.</p> <p>Also in Watershed Management Plans of County WD/WMOs.</p>
Describe how this activity could be accomplished in the biennium	Funds will be used to hire a qualified person to work with landowners to identify and implement conservation BMP on their properties in Hennepin County.		