

(amounts in thousands)

Subd.	Title	Organization	Region*	LCCMR Rec			Subd.	SF 550, 2E				Diff
				FY2017	FY2018	FY17-18		FY2017	FY2018	FY2019	FY17-19	
03a	County Geologic Atlases - Continuation	U of MN - Geological Survey	Statewide	4,729	-	4,729	03a	4,729	-	-	4,729	-
03b	Assessment of Public Benefits of Protecting Source Water	U of MN	Statewide	-	320	320	03b	-	320	-	320	-
03c	Preserving Minnesota Prairie Plant Diversity – Phase II	U of MN	Central, SE, SW, NW	-	900	900	03c	-	900	-	900	-
03d	Minnesota Biological Survey - Continuation	MN DNR	Statewide	-	2,900	2,900	03d	-	2,900	-	2,900	-
03e	Minnesota Wildflowers Online Botanical Reference – Phase II	MN Wildflowers Information	Statewide	-	270	270	03e	-	270	-	270	-
03f	Assessment of Microbes for Improving Wild Rice Restoration	U of MN - Duluth NRRRI	NE	-	334	334	03f	-	334	-	334	-
03g	Drainage Records Modernization Cost Share - Phase II	BWSR	Statewide	-	540	540	03g	-	540	-	540	-
03h	Groundwater Contamination Mapping	MPCA	Statewide	-	400	400	03h	-	400	-	400	-
03i	Landslide Susceptibility, Mapping, and Management Tools	U of MN	Statewide	-	500	500	03i	-	500	-	500	-
03j	Moose Calf Surveys and Monitoring	U of MN	NE	-	348	348	03j	-	348	-	348	-
03k	Cedar Creek Natural Area Wolf Recolonization Assessment	U of MN	Metro	-	398	398	03k	-	398	-	398	-
03l	Effects of Wolf Predation on Beaver, Moose, and Deer	Voyageurs National Park	NE	-	293	293	03l	-	293	-	293	-
03m	Mapping Taxonomy & Environmental Toxicology of MN Sponges	U of MN	Statewide	-	258	258	03m	-	258	-	258	-
03n	Analyzing Climate Data to Aid Local Planning Implementation Efforts	U of MN	Statewide	-	411	411		-	-	-	-	(411)
	Pollinator Research & Outreach	U of MN	Statewide				03n	-	411	89	500	500
<b>Foundational Natural Resource Data and Information Subtotal =</b>				<b>4,729</b>	<b>7,872</b>	<b>12,601</b>		<b>4,729</b>	<b>7,872</b>	<b>89</b>	<b>12,690</b>	<b>89</b>
04a	Assessment of Household Chemicals & Herbicides in Rivers and Lakes	U of MN	Statewide	-	236	236	04a	-	236	-	236	-
04b	Wastewater Nitrogen Removal Technology to Protect Water Quality	U of MN	Statewide	-	450	450	04b	-	450	-	450	-
04c	Rearing Native Mussels & Expanding Water Quality Awareness	Minnesota Zoo	Statewide	-	591	591	04c	-	591	-	591	-
04d	Water Quality Monitoring in Southeastern Minnesota Trout Streams	Winona State University	SE	-	500	500	04d	-	500	-	500	-
04e	Toxicity of Petrochemical Spills on Ground & Surface Waters	University of St. Thomas	NW	-	300	300	04e	-	300	-	300	-
04f	Assessment of Water Quality for Reuse	U of MN	Statewide	-	148	148	04f	-	148	-	148	-
04g	Identification of Chemicals of Emerging Concern in Minnesota Fish	Grand Portage Band of Lake Superior Chippewa	NE	-	400	400	04g	-	400	-	400	-
04h	Techniques for Water Storage Estimates in Central Minnesota	U of MN	Statewide	-	250	250	04h	-	250	-	250	-
04i	Assessing Release of Mercury and Sulfur on Aquatic Communities	U of MN	Statewide	-	300	300	04i	-	300	-	300	-
<b>Water Resources Subtotal =</b>				<b>-</b>	<b>3,175</b>	<b>3,175</b>		<b>-</b>	<b>3,175</b>	<b>-</b>	<b>3,175</b>	<b>-</b>
05a	Connecting Youth to MN Waterways through Outdoor Classrooms	Wilderness Inquiry	Statewide	-	1,200	1,200	05a	-	1,200	-	1,200	-
05b	Youth Convening Minnesota –Phase II	Climate Generation: Will Steger	Statewide	-	300	300	05b	-	300	-	300	-
05c	Increasing Diversity in Environmental Careers	MN DNR	Statewide	-	1,487	1,487	05c	-	1,487	-	1,487	-
05d	Interactive Water Resource Programs for Planetariums in Minnesota	U of MN - Bell Museum	Statewide	-	500	500	05d	-	500	-	500	-
05e	Expanding Raptor Center Online Education	U of MN	Statewide	-	270	270	05e	-	270	-	270	-
05f	Local Planning and Implementation Efforts for Bird Habitat	Audubon Minnesota	Statewide	-	280	280	05f	-	280	-	280	-

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05g	Developing Youth Watershed Stewardship in Northwest Minnesota	Headwaters Science Center	NW	-	121	121	05g	-	121	-	121	-
05h	Increasing Residential Environmental Learning Center Opportunities	Audubon Center; North Woods	NE	-	130	130	05h	-	130	-	130	-
05i	Workshops and Outreach to Protect Raptors from Lead Poisoning	U of MN	Statewide	-	133	133	05i	-	133	-	133	-
<b>Environmental Education Subtotal =</b>				-	<b>4,421</b>	<b>4,421</b>		-	<b>4,421</b>	-	<b>4,421</b>	-
06a	Aquatic Invasive Species Research Center - Phase II	U of MN	Statewide	2,700	-	2,700	06a	2,700	-	-	2,700	-
06b	Emerald Ash Borer Biocontrol - Phase III	MN Dept of Agriculture	Statewide	-	729	729	06b	-	729	-	729	-
06c	Invasive Bighead and Silver Carp and Native Fish Evaluation – Phase II	MN DNR	Central, Metro, SW, SE	-	500	500	06c	-	500	-	500	-
06d	Adapting Stream Barriers to Remove Common Carp	U of MN	Statewide	-	301	301	06d	-	301	-	301	-
06e	Tactical Invasive Plant Management Plan Development	MN Dept of Agriculture	Statewide	-	296	296	06e	-	296	-	296	-
06f	Maximize Value of Water Impoundments to Wildlife	Audubon Minnesota	NW	-	195	195	06f	-	195	-	195	-
<b>Aquatic and Terrestrial Invasive Species Subtotal =</b>				<b>2,700</b>	<b>2,021</b>	<b>4,721</b>		<b>2,700</b>	<b>2,021</b>	-	<b>4,721</b>	-
07a	Solar Cells Manufacturing Research	U of MN	Statewide	-	388	388	07a	-	388	-	388	-
07b	Community-Scale Energy Storage Guide for Renewable Energy	U of MN	Statewide	-	500	500	07b	-	500	-	500	-
07c	Extraction of Solar Thermal Energy in Minnesota	U of MN	Statewide	-	250	250	07c	-	250	-	250	-
07d	Assessment of Urban Air Quality	MPCA	Metro	-	700	700	07d	-	700	-	700	-
07e	Generation and Storage of Solar Energy	U of MN - West Central, Morris	Statewide	-	500	500	07e	-	500	-	500	-
07f	District Heating with Renewable Biomass at Camp Ripley	Department of Military Affairs	Central	-	1,000	1,000	07f	-	1,000	-	1,000	-
07g	Geotargeted Distributed Clean Energy Initiative	Center for Energy & Environment	Statewide	-	800	800	07g	-	800	-	800	-
07h	Develop Solar-Powered Robots for Weed Control in Agricultural Fields	U of MN	Statewide	-	600	600	07h	-	600	-	600	-
<b>Air Quality, Climate Change, and Renewable Energy Subtotal =</b>				-	<b>4,738</b>	<b>4,738</b>		-	<b>4,738</b>	-	<b>4,738</b>	-
08a	Optimizing the Nutrition of Roadside Plants for Pollinators	U of MN	Central, Metro, NW, SW, SF	-	815	815	08a	-	815	-	815	-
08b	Promoting Conservation Biocontrol of Beneficial Insects	U of MN	Statewide	-	400	400	08b	-	400	-	400	-
08c	Evaluating the Use of Bison to Restore and Preserve Savanna Habitat	U of MN - Cedar Creek Ecosystem	Central	-	388	388	08c	-	388	-	388	-
08d	State Park Pollinator Habitat Restoration	MN DNR	Central, Metro, NW, SW, SF	-	672	672	08d	-	672	-	672	-
08e	Enhancing Spawning Habitat Restoration in Minnesota Lakes	U of MN - St. Anthony Falls Lab	Statewide	-	294	294	08e	-	294	-	294	-
08f	Prescribed-Fire Management for Roadside Prairies	MN Dept of Transportation	Central, Metro, NW, SE	-	345	345	08f	-	345	-	345	-
08g	Minnesota Bee and Beneficial Species Habitat Restoration	Pheasants Forever Inc.	Statewide	-	732	732	08g	-	732	-	732	-
08h	Mississippi and Vermillion Rivers Restoration - Phase X	Friends of the Mississippi River	Metro	-	213	213	08h	-	213	-	213	-
08i	Community Stewardship to Restore Urban Natural Resources - Phase X	Great River Greening	Metro	-	524	524	08i	-	524	-	524	-
08j	Economic Assessment of Precision Conservation and Agriculture	Pheasants Forever Inc.	Central, NW, SW, SE	-	400	400	08j	-	400	-	400	-
08k	Mississippi River Habitat Restoration Planning at Halls Island	Minneapolis Park & Rec Board	Metro	-	25	25	08k	-	25	-	25	-
08l	CREP Outreach & Implementation	BWSR	Statewide	-	6,000	6,000	08l	-	1,000	5,000	6,000	-

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				FY2017	FY2018	FY17-18		FY2017	FY2018	FY2019	FY17-19	
	Riparian Protection Aid	Revenue	Statewide				08m		5,000	-	5,000	5,000
<b>Methods to Protect or Restore Land, Water, and Habitat Subtotal =</b>				<b>-</b>	<b>10,808</b>	<b>10,808</b>		<b>-</b>	<b>10,808</b>	<b>5,000</b>	<b>15,808</b>	<b>5,000</b>
09a	Metropolitan Regional Parks System Land Acquisition	Metropolitan Council	Metro	-	1,500	1,500	09a	-	1,500	-	1,500	-
09b	Scientific & Natural Areas Acquisition and Restoration	MN DNR	Statewide	-	4,500	4,500	09b	-	4,500	-	4,500	-
09c	Minnesota State Parks and State Trails Land Acquisition	MN DNR	Statewide	-	1,500	1,500	09c	-	1,500	-	1,500	-
09d	Minnesota State Trails Acquisition, Development, and Enhancement	MN DNR	TBD	999	39	1,038	09d	999	39	-	1,038	-
09e	Native Prairie Stewardship and Prairie Bank Easement Acquisition	MN DNR	Central, NW, SW, SE	-	3,500	3,500	09e	-	3,500	-	3,500	-
09f	Leech Lake Acquisition	Leech Lake Resource Mgmt	Central	-	1,500	1,500	09f	-	1,500	-	1,500	-
09g	Mesabi Trail Development	St Louis & Lake Co. Reg. RR Auth	NE	-	2,269	2,269	09g	-	2,269	-	2,269	-
09h	Tower Trailhead Boat Landing and Habitat Improvement – Phase II	City of Tower	NE	-	600	600	09h	-	600	-	600	-
09i	Voyageurs National Park Crane Lake Visitors Center	Town of Crane Lake	NE	-	950	950	09i	-	950	-	950	-
<b>Land Acquisition, Habitat and Recreation Subtotal =</b>				<b>999</b>	<b>16,358</b>	<b>17,357</b>		<b>999</b>	<b>16,358</b>	<b>-</b>	<b>17,357</b>	<b>-</b>
10a	Contract Agreement Reimbursement	MN DNR	Statewide	-	135	135	10a	-	135	-	135	-
10b	LCCMR Administration	LCCMR	Statewide	-	1,200	1,200	10b	-	1,200	-	1,200	-
10c	LCC Website	LCC	Statewide	-	5	5	10c	-	5	-	5	-
<b>Administration and Contract Agreement Reimbursement Subtotal =</b>				<b>-</b>	<b>1,340</b>	<b>1,340</b>		<b>-</b>	<b>1,340</b>	<b>-</b>	<b>1,340</b>	<b>-</b>
<b>Total \$ Recommending =</b>				<b>\$8,428</b>	<b>\$50,733</b>	<b>\$59,161</b>		<b>\$8,428</b>	<b>\$50,733</b>	<b>\$5,089</b>	<b>\$64,250</b>	<b>\$5,089</b>

\* Region of Impact designated in the State include Statewide, Central, Metro, NE, NW, SE, SW. Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.