

**Environment and Natural Resources Trust Fund FY 2021**  
**HF 1076 1E Article 2- as passed Env. Fin. (4-8-21)**

|    | Project  | Agency/Grantee                | HF 30 2E |              |              | HF 1076 1E Article 2 |              |              | change from<br>HF 30 2E |
|----|--|-------------------------------|----------|--------------|--------------|----------------------|--------------|--------------|-------------------------|
|    |  |                               | Year     |              |              | Year                 |              |              |                         |
|    |  |                               | FY2020   | FY 2021      | FY20-21      | FY2020               | FY 2021      | FY20-21      |                         |
| 1  | <b>Subdivision 3 Foundational Natural Resource Data and Information</b>          |                               |          |              |              |                      |              |              |                         |
| 2  | a Geologic Atlases for Water Resource Management                                 | U of MN                       | -        | 2,000        | 2,000        | -                    | 2,000        | 2,000        | -                       |
| 3  | b Expanding Minnesota Ecological Monitoring Network                              | DNR                           | -        | 800          | 800          | -                    | 800          | 800          | -                       |
| 4  | c County Groundwater Atlas   | DNR                           | -        | 1,125        | 1,125        | -                    | 1,125        | 1,125        | -                       |
| 5  | d Foundational Hydrology Data For Wetland Protection and Restoration             | DNR                           | -        | 400          | 400          | -                    | 400          | 400          | -                       |
| 6  | e Voyageurs Wolf Project - Phase II  | U of MN                       | -        | 575          | 575          | -                    | 575          | 575          | -                       |
| 7  | f Expanding Restoration and Promoting Awareness of Native Mussels                | MN Zoo                        | -        | 489          | 489          | -                    | 489          | 489          | -                       |
| 8  | g Improving Pollinator Conservation By Revealing Habitat Needs                   | U of MN                       | -        | 500          | 500          | -                    | 500          | 500          | -                       |
| 9  | h Bee Minnesota - Protect Our Native Bumblebees                                  | U of MN                       | -        | 650          | 650          | -                    | 650          | 650          | -                       |
| 10 | i Bobcat and Fisher Habitat Use and Interactions                                 | U of MN                       | -        | 400          | 400          | -                    | 400          | 400          | -                       |
| 11 | j Healthy Prairies III: Restoring Minnesota Prairie Plant Diversity              | U of MN                       | -        | 500          | 500          | -                    | 500          | 500          | -                       |
| 12 | k Freshwater Sponges and AIS: Engaging Citizen Scientists                        | U of MN                       | -        | 400          | 400          | -                    | 400          | 400          | -                       |
| 13 | l Do Beavers Buffer Against Droughts and Floods?                                 | DNR-Voyageurs National Park   | -        | 168          | 168          | -                    | 168          | 168          | -                       |
| 14 | m Enhancing Bat Recovery By Optimizing Artificial Roost Structures               | DNR                           | -        | 190          | 190          | -                    | 190          | 190          | -                       |
| 15 | n Tools For Supporting Healthy Ecosystems and Pollinators                        | DNR                           | -        | 198          | 198          | -                    | 198          | 198          | -                       |
| 16 | o Conserving Black Terns and Forster's Terns In Minnesota                        | U of MN- NRRI                 | -        | 198          | 198          | -                    | 198          | 198          | -                       |
| 17 |  | <b>Subtotal</b>               | -        | <b>8,593</b> | <b>8,593</b> | -                    | <b>8,593</b> | <b>8,593</b> | -                       |
| 18 | <b>Subdivision 4 Water Resources</b>   |                               |          |              |              |                      |              |              |                         |
| 19 | a Managing Highly Saline Waste From Municipal Water Treatment                    | U of MN                       | -        | 250          | 250          | -                    | 250          | 250          | -                       |
| 20 | b Technology for Energy-Generating On-Site Industrial Wastewater Treatment       | U of MN                       | -        | 450          | 450          | -                    | 450          | 450          | -                       |
| 21 | c Microplastics: Transporters of Contaminants in Minnesota Waters                | U of MN                       | -        | 425          | 425          | -                    | 425          | 425          | -                       |
| 22 | d Developing Strategies to Manage PFAS in Land Applied Biosolids                 | PCA                           | -        | 1,404        | 1,404        | -                    | 1,404        | 1,404        | -                       |
| 23 | e Quantifying New Urban Precipitation and Water Reality                          | U of MN                       | -        | 500          | 500          | -                    | 500          | 500          | -                       |
| 24 | f Innovative Solution for Protecting Minnesota from PFAS Contamination           | DNR-Dem-Con                   | -        | 250          | 250          | -                    | 250          | 250          | -                       |
| 25 | g Expanding Protection of Minnesota Water Through Industrial Conservation        | U of MN                       | -        | 178          | 178          | -                    | 178          | 178          | -                       |
| 26 |  | <b>Subtotal</b>               | -        | <b>3,457</b> | <b>3,457</b> | -                    | <b>3,457</b> | <b>3,457</b> | -                       |
| 27 | <b>Subdivision 5 Technical Assistance, Outreach, and Environmental Education</b> |                               |          |              |              |                      |              |              |                         |
| 28 | a Statewide Environmental Education Via Public Television Outdoor Series         | DNR-Pioneer Public Television | -        | 300          | 300          | -                    | 300          | 300          | -                       |
| 29 | b Minnesota Freshwater Quest: Environmental Education on State Waterways         | DNR-Wilderness Inquiry        | -        | 500          | 500          | -                    | 500          | 500          | -                       |
| 30 | c Teach Science: Schools as STEM Living Laboratories                             | DNR-Climate Generation        | -        | 368          | 368          | -                    | 368          | 368          | -                       |
| 31 | d Mentoring Next Generation of Conservation Professionals                        | DNR-MVNWRT                    | -        | 500          | 500          | -                    | 500          | 500          | -                       |
| 32 | e Jay C. Hormel Nature Center Supplemental Teaching Staff                        | DNR-Austin                    | -        | 225          | 225          | -                    | 225          | 225          | -                       |
| 33 | f 375 Underserved Youth Learn Minnesota Ecosystems by Canoe                      | DNR-YMCA                      | -        | 375          | 375          | -                    | 375          | 375          | -                       |
| 34 | g YES! Students Take on Water Quality Challenge - Phase II                       | DNR-Prairie Woods ELC         | -        | 199          | 199          | -                    | 199          | 199          | -                       |
| 35 | h Engaging Minnesotans With Phenology: Radio, Podcasts, Citizen Science          | DNR-Northern Community Radio  | -        | 198          | 198          | -                    | 198          | 198          | -                       |
| 36 | i Driving Conservation Behavior For Native Mussels and Water Quality             | MN Zoo                        | -        | 191          | 191          | -                    | 191          | 191          | -                       |
| 37 | j Workshops and Outreach to Protect Raptors from Lead Poisoning                  | U of MN Raptor Center         | -        | 133          | 133          | -                    | 133          | 133          | -                       |
| 38 |  | <b>Subtotal</b>               | -        | <b>2,989</b> | <b>2,989</b> | -                    | <b>2,989</b> | <b>2,989</b> | -                       |
| 39 | <b>Subdivision 6 Aquatic and Terrestrial Invasive Species</b>                    |                               |          |              |              |                      |              |              |                         |
| 40 | a Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC)-Phase V        | U of MN                       | -        | 5,000        | 5,000        | -                    | 5,000        | 5,000        | -                       |

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|----|---|---|--|---|---------------|---------------|---|---------------|---------------|---|
| 41 | b | Protect Community Forests by Managing Ash for Emerald Ash Borer             | DNR  | - | 3,500         | 3,500         | - | 3,500         | 3,500         | - |
| 42 | c | Biological Control of White-Nose Syndrome in Bats-Phase III                 | U of MN                                      | - | 440           | 440           | - | 440           | 440           | - |
| 43 | d | Applying New Tools and Techniques Against Invasive Carp                     | DNR  | - | 478           | 478           | - | 478           | 478           | - |
| 44 | e | Emerald Ash Borer and Black Ash: Maintaining Forests and Benefits           | U of MN                                      | - | 700           | 700           | - | 700           | 700           | - |
| 45 | f | Testing Effectiveness of Aquatic Invasive Species Removal Methods           | U of MN-NRRI                                 | - | 110           | 110           | - | 110           | 110           | - |
| 46 | g | Invasive <i>Didymosphenia</i> Threatens North Shore Streams                 | Science Museum                               | - | 197           | 197           | - | 197           | 197           | - |
| 47 |   |   |  |   |               |               |   |               |               |   |
|    |   |   | <b>Subtotal</b>                              | - | <b>10,425</b> | <b>10,425</b> | - | <b>10,425</b> | <b>10,425</b> | - |
| 48 |   | <b>Subdivision 7 Air Quality and Renewable Energy</b>                       |  |   |               |               |   |               |               |   |
| 49 | a | Storing Renewable Energy in Flow Batter For Grid Use                        | U of MN-Morris                               | - | 250           | 250           | - | 250           | 250           | - |
| 50 | b | Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin                         | U of MN                                      | - | 193           | 193           | - | 193           | 193           | - |
| 51 | c | Diverting Unsold Food From Landfills and Reducing Greenhouse Gases          | DNR-Second Harvest Heartland                 | - | 130           | 130           | - | 130           | 130           | - |
| 52 |   |   |  |   |               |               |   |               |               |   |
|    |   |   | <b>Subtotal</b>                              | - | <b>573</b>    | <b>573</b>    | - | <b>573</b>    | <b>573</b>    | - |
| 53 |   | <b>Subdivision 8 Methods to Protect or Restore Land, Water, and Habitat</b> |  |   |               |               |   |               |               |   |
| 54 | a | Pollinator Central: Habitat Improvement With Citizen Monitoring             | DNR-Great River Greening                     | - | 750           | 750           | - | 750           | 750           | - |
| 55 | b | Pollinator and Beneficial Insect Strategic Habitat Program                  | BWSR   | - | 750           | 750           | - | 750           | 750           | - |
| 56 | c | Lignin-Coated Fertilizers For Phosphate Control                             | U of MN-NRRI                                 | - | 250           | 250           | - | 250           | 250           | - |
| 57 | d | Implementing Hemp Crop Rotation to Improve Water Quality                    | MNSCU-Central Lakes College                  | - | 700           | 700           | - | 700           | 700           | - |
| 58 | e | Developing Cover-Crop Systems for Sugar Beet Production                     | U of MN                                      | - | 300           | 300           | - | 300           | 300           | - |
| 59 | f | Native Eastern Larch Beetle Decimating Minnesota's Tamarack Forests         | U of MN                                      | - | 398           | 398           | - | 398           | 398           | - |
| 60 | g | Habitat Associations of Mississippi Bottomland Forest March Birds           | DNR-Audubon                                  | - | 275           | 275           | - | 275           | 275           | - |
| 61 | h | Peatland Restoration in the Lost River State Forest                         | DNR-Roseau River WD                          | - | 135           | 135           | - | 135           | 135           | - |
| 62 | i | Prescribed Burning for Brushland-Dependent Species-Phase II                 | U of MN                                      | - | 147           | 147           | - | 147           | 147           | - |
| 63 | j | Pollinator Habitat Creation Along Urban Mississippi River                   | DNR-Friends of the Mississippi River         | - | 129           | 129           | - | 129           | 129           | - |
| 64 | k | Increase Golden Shiner Production to Protect Aquatic Communities            | U of MN-Sea Grant                            | - | 188           | 188           | - | 188           | 188           | - |
| 65 | l | Restoring Turf to Native Pollinator Gardens Across Metro                    | DNR-Wilderness in the City                   | - | 197           | 197           | - | 197           | 197           | - |
| 66 |   |   |  |   |               |               |   |               |               |   |
|    |   |   | <b>Subtotal</b>                              | - | <b>4,219</b>  | <b>4,219</b>  | - | <b>4,219</b>  | <b>4,219</b>  | - |
| 67 |   | <b>Subdivision 9 Land Acquisition, Habitat, and Recreation</b>              |  |   |               |               |   |               |               |   |
| 68 | a | DNR Scientific and Natural Areas  | DNR  | - | 3,000         | 3,000         | - | 3,000         | 3,000         | - |
| 69 | b | Private Native Prairie Conservation Through Native Prairie Bank             | DNR  | - | 2,000         | 2,000         | - | 2,000         | 2,000         | - |
| 70 | c | Minnesota State Parks and Trails Inholdings                                 | DNR  | - | 3,500         | 3,500         | - | 3,500         | 3,500         | - |
| 71 | d | Grants for Local Parks, Trails, and Natural Areas                           | DNR  | - | 2,400         | 2,400         | - | 2,400         | 2,400         | - |
| 72 | e | Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction     | DNR-Minneapolis Parks                        | - | 1,800         | 1,800         | - | 1,800         | 1,800         | - |
| 73 | f | Minnesota Hunter Walking Trails: Public Land Recreation                     | DNR-Ruffed Grouse Society                    | - | 300           | 300           | - | 300           | 300           | - |
| 74 | g | Turning Back to Rivers: Environmental and Recreational Protection           | DNR-TPL                                      | - | 1,000         | 1,000         | - | 1,000         | 1,000         | - |
| 75 | h | Metropolitan Regional Parks System Land Acquisition-Phase VI                | Metropolitan Council                         | - | 1,000         | 1,000         | - | 1,000         | 1,000         | - |
| 76 | i | Minnesota State Trails Development  | DNR  | - | 994           | 994           | - | 994           | 994           | - |
| 77 | j | Elm Creek Restoration-Phase IV  | DNR-Champlin                                 | - | 500           | 500           | - | 500           | 500           | - |
| 78 | k | Superior Hiking Trail as Environmental Showcase                             | DNR-Superior Hiking Trail Association        | - | 450           | 450           | - | 450           | 450           | - |
| 79 | l | Upper St. Anthony Falls Enhancements  | DNR-Friends of the Locke and Dam             | - | 2,800         | 2,800         | - | 2,800         | 2,800         | - |
| 80 | m | Whiskey Creek and Mississippi River Water Quality, Habitat, and Recreation  | DNR-Mississippi Headwaters Board             | - | 500           | 500           | - | 500           | 500           | - |
| 81 | n | Perham to Pelican Rapids Regional Trail (West Segment)                      | DNR-Otter Tail County                        | - | 2,600         | 2,600         | - | 2,600         | 2,600         | - |
| 82 | o | Crow Wing County Community Natural Area Acquisition                         | DNR-Crow Wing County                         | - | 400           | 400           | - | 400           | 400           | - |
| 83 | p | Rocori Trail-Phase III  | DNR-Rocori Trails Construction Board         | - | 1,200         | 1,200         | - | 1,200         | 1,200         | - |
| 84 | q | Mesabi Trail: New Trail and Additional Funding                              | DNR-St. Louis and Lake Counties RR Authority | - | 1,000         | 1,000         | - | 1,000         | 1,000         | - |

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|-----|---|---|---|---------|------------------|---------------|---------|---------------|---------------|--------|--------|
| 85  | r | Ranier Safe Harbor and Transient Dock on Rainy Lake   | DNR-Ranier                              | -       | 762              | 762           | -       | 762           | 762           | -      |        |
| 86  | s | Crane Lake Voyageurs National Park Campground and Visitor Center  | DNR-Crane Lake                          | -       | 3,100            | 3,100         | -       | 3,100         | 3,100         | -      |        |
| 87  | t | Chippewa County Acquisition, Recreation and Education   | DNR-Chippewa County                     | -       | 160              | 160           | -       | 160           | 160           | -      |        |
| 88  | u | Sportsmen's Training and Developmental Learning Center  | DNR-MN Forest Zone Trappers Association | -       | 85               | 85            | -       | 85            | 85            | -      |        |
| 89  | v | Birch Lake Recreation Area  | DNR-Babbitt                             | -       | 350              | 350           | -       | 350           | 350           | -      |        |
| 90  |   |   | <b>Subtotal</b>                         | -       | <b>29,901</b>    | <b>29,901</b> | -       | <b>29,901</b> | <b>29,901</b> | -      |        |
| 91  |   | <b>Subdivision 10 Emerging Issues Account</b>   |   |         |                  |               |         |               |               |        |        |
| 92  |   | Wastewater Renewable Energy Demonstration Grants  | PFA                                     | -       | 1,095            | 1,095         | -       | 1,095         | 1,095         | -      |        |
| 93  |   |   |   | -       | <b>1,095</b>     | <b>1,095</b>  | -       | <b>1,095</b>  | <b>1,095</b>  | -      |        |
| 94  |   | <b>Subdivision 11 Contract Agreement Reimbursement</b>  |   |         |                  |               |         |               |               |        |        |
| 95  | a | Contract Agreement Reimbursement  | DNR                                     | -       | 135              | 135           | -       | 135           | 135           | -      |        |
| 96  |   |   | <b>Subtotal</b>                         | -       | <b>135</b>       | <b>135</b>    | -       | <b>135</b>    | <b>135</b>    | -      |        |
| 97  |   |   | <b>TOTAL</b>                            | -       | <b>61,387</b>    | <b>61,387</b> | -       | <b>61,387</b> | <b>61,387</b> | -      |        |
| 98  |   | <b>Transfers</b>  |   |         |                  |               |         |               |               |        |        |
| 99  |   | Sauk River Dam Removal and Rock Rapids Replacement. ML 2019, 1st SS, Ch. 4, Art. 2, Sec. 2, Subd. 8 (c) |   | (2,768) |                  |               | (2,768) |               |               | -      |        |
| 100 | 1 | Unprecedented Change Threatens Minnesota's Pristine Lakes   | Science Museum                          | 849     | -                | 849           | 849     | -             | 849           | -      |        |
| 101 | 2 | COVID-19 Effects on Wastewater Treatment  | U of MN                                 | 699     | -                | 699           | 699     | -             | 699           | -      |        |
| 102 | 3 | Protect Community Forests by Managing Ash for Emerald Ash Borer   | DNR                                     | 320     |                  |               | 320     |               |               | -      |        |
| 103 | 4 | Lawns to Legumes  | BWSR                                    | 900     | -                | 900           | 900     | -             | 900           | -      |        |
| 104 |   | <i>*all values in thousands of \$</i>   |   |         |                  |               |         |               |               |        |        |
| 105 |   |   |   |         | AMOUNT AVAILABLE | -             | 61,387  | 61,387        | -             | 61,387 | 61,387 |
|     |   |   |   |         | Difference       | -             | -       | -             | -             | -      | -      |