2009 Phase 2 Environment and Natural Resource Trust Fund Proposals

In response to the 2009 Request for Proposal (RFP) PHASE 2, due October 1, 2008, 88 proposals requesting a total of $53.6 million were received. The LCCMR will be reviewing 2009 PHASE 2 proposals in November and December 2008. Proposals to be recommended to the legislature for funding will be selected in December 2008, alongside Phase 1 proposals. The proposals are listed by RFP funding priority.

To find specific proposals within the scoring sheet you can use Excel's "Find" function to search for a project based on Project Manager 'Last Name', 'Project Title', or 'Organization'. Excel's "Find" function can be accessed by pressing "Control" and then "F" on your keyboard.

LCCMR ID	Project Title	$ Requested	Summary	Last Name	First Name	Org.
A1. Critical Lands Analysis - *(3 proposals / subtotal - $458,157)*						
022-A1	Statewide Ecological Ranking CRP and other Critical Lands	$275,464	This project will identify and rank the ecological value of CRP and other critical lands throughout Minnesota using a multiple parameter approach including soil productivity, landscape, water and wildlife factors.	Klocker	Julie	Board of Water and Soil Resources (BWSR)
023-A1	Olmsted County's Decorah Edge	$103,380	Olmsted County's "Decorah Edge" is an ecologically sensitive area. The project will map transportation corridors to minimize impact on these areas as development occurs, thereby protecting sensitive habitats and groundwater.	Wheeler	Philip	Olmsted County
024-A1	Targeting Agricultural Management Practices to Improve Water Quality	$79,313	We will identify agricultural areas in the Minnesota River basin with high environmental improvement potential. Results include a list of priority areas and cost-effective strategies for achieving water quality targets.	Maxted	Jeffrey	The Cadmus Group, Inc.
A2. Conservation Reserve Program (CRP) Lands - *(1 proposal / subtotal - $3,000,000)*						
025-A2	Rim Match – Partnership To Protect Critical Grasslands	$3,000,000	Private donations will be matched through the RIM Matching Program to purchase critical grasslands in CRP adjacent to existing WMAs or designated wildlife lakes in southern and western Minnesota.	Hennings	Kim	DNR
A3. Technical Assistance for Conserving Land - *(7 proposals / subtotal - $7,582,280)*						
026-A3	Roadsides for Wildlife Accelerated Prairie Seeding	$1,514,600	Accelerate roadside prairie seeding to 2,000-acres in 3 years. 1,000-acres of cost share, 600-acres interseeding, 200-acres aerial seeding, 200-acres demonstration roadside.	Nelson	Carmelita	DNR

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027-A3	Minnesota Conservation Mentor Program and Academy	$730,000	An apprentice program that provides for developing conservationists and increasing the number of projects while transferring practical know-how to the next generation of conservation professionals.	Woods	Steve	Board of Water and Soil Resources (BWSR)
028-A3	Protection of Granite Rock Outcrop Ecosystem	$2,844,750	One thousand acres of rare and unique Granite Rock Outcrop Ecosystem, located in the Upper Minnesota River Valley, will be preserved and enhanced through perpetual conservation easements.	Kalahar	Thomas	Renville Soil and Water Conservation District
029-A3	MN Farm Bill Assistance Project	$1,575,000	The MN Farm Bill Assistance Program provides funding for technical staff critical for insuring conservation programs, such as CRP, remain in place or are replaced with approrpriate conservation programs.	Hoek	Tabor	Board of Water and Soil Resources (BWSR)
030-A3	Conserving Priority Land and Shorelands in Cass County	$511,500	Incentives and technical assistance for private landowners to permanently protect priority shorelands and vulnerable forest lands in Cass County with donated conservation easements.	Sumption	John	Cass County Environmental Services
031-A3	Technical Guidance to Perennial Establishment for Bioenergy Uses	$281,430	Building from our previous work with perennial 3rd crops, we will accelerate establishment of perennial plantings by identifying constraints; develop technical guidance; and demonstrate techniques for establishment, growth and management.	Meschke	Linda	Rural Advantage
032-A3	Gateway Trail Planning/Design for Recreation & Land Protection	$125,000	The Gateway Trail's planned/designed alignments and amenities create national, state, and local strategies and citizen/government partnerships for preserving, enhancing, and celebrating the Saint Croix Valley's many environmental and cultural assets.	Vogel	Mary	U of M
A4. Other - Acquisition - *(3 proposals / subtotal - $10,700,000)*						
033-A4	Bertram Chain of Lakes Phase 2 Acquisition	$6,800,000	Acquire 1,200 acres in Wright County currently owned by the YMCA of Minneapolis. The acquisition will allow for protection of three undeveloped lakes, shoreline vegetation and undisturbed natural habitats.	O'Neill	Jeff	City of Monticello
034-A4	Minnesota Landscape Arboretum Land Acquisition 2009	$2,000,000	The Minnesota Landscape Arboretum proposes to purchase 78 acres of land adjacent to the Arboretum's Horticultural Research Center. This property would be used for research, education and outreach programs.	Meyer	Mary	Minnesota Landscape Arboretum

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035-A4	Lake County Forest Conservation Loan	$1,900,000	Former industrial timberlands, within the Manitou Collaborative Landscape, totalling 6,200+ acres, have been purchased by Lake County to conserve wildlife habitat, water quality, public access, and to prevent forest fragmentation.	Martinson	Tom	Lake County
B1. Reduce Soil Erosion - *(20 proposals / subtotal - $7,387,737)*						
036-B1	Real-time Water-quality Monitoring in the Minnesota River Basin	$300,000	This study will provide real-time, continuous estimates of sediment and nutrients in the Minnesota River basin. Data will be disseminated so changes in water quality are immediately available.	Mohring	Eric	Board of Water and Soil Resources (BWSR)
037-B1	Certified Crop Advisors as Environmental Assessors	$299,960	An On-Farm EZ Resource Assessment developed by the Minnesota Project will be used by certified crop advisors to conduct environmental assessments, evaluate BMP's improvements and to determine water quality payments.	Gieseke	Tim	The Minnesota Project
038-B1	Does Intensified Tile Drainage Create More Erosive Rivers?	$301,200	Comparative assessment of hydrologic changes in watersheds with and without intensive tile drainage will be conducted to determine the effects of climate and tile drainage in creating more erosive rivers.	Schottler	Shawn	Science Museum of Minnesota
039-B1	Root River Small Watershed Implementation and Evaluation Project	$394,500	This project will demonstrate innovative and cost-effective approaches for controlling agricultural non-point source pollution. Land use/management changes will be linked to water quality improvements at multiple watershed scales.	Kuehner	Kevin	MN Dept. of Ag
040-B1	Cooperative Fishing Pier and Shoreline Restoration Initiative	$700,000	The DNR will partner with local units of government and other organizations to provide 20 fishing piers/shore fishing sites statewide to improve fishing opportunities and restore shoreline vegetation.	Linnell	Stan	DNR
041-B1	Nitrogen Contributions To the Mississippi River Basin	$897,000	To review/determine the Minnesota sources and contributions of nitrogen to the Mississippi River Basin. To detail/analyze the impacts to Gulf Hypoxia and drinking water supplies in the Karst Region.	Hora	Marvin	MPCA
042-B1	Reducing Stream Bank Erosion Using Fluvial Geomorphic Principals	$378,400	Project will address the factors causing stream bank erosion through a targeted strategy with landowners, to stabilize existing problem areas and establish native buffers/filters to improve resistance to erosion.	Nelson	Paul	Scott County Watershed Management Organization

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043-B1	Scientific and Commercial Discoveries from Soudan Iron Mine	$523,140	The bottom level of the Soudan Iron Mine is a unique environment in Minnesota. We will study the microbiology, geochemistry and mineralogy and identify potential commercial applications (bioremediation, bioenergy, drug-discovery).	Gralnick	Jeffrey	U of M
044-B1	Targeting Water Quality Solutions to High-Contributing Areas	$782,000	Integrates and pilots recently developed tools and findings to achieve seamless delivery of clean water restoration and protection in agricultural watersheds, targeting high-contributing areas of the landscape.	Patton	Robert	MN Dept. of Ag
045-B1	Coon Rapids Dam - Water Quality Improvement Project	$80,000	This project is necessary to reduce erosion and peak water flows in an effort to improve the quality of water flowing into the Mississippi River.	Blaska	Karen	Anoka County Parks and Recreation Department
046-B1	Quantifying Soil and Water Quality Benefits of CRP	$312,433	This project will quantify soil and water quality benefits of CRP at multiple scales and provide guidance to resource managers on the considerations and implications of CRP conversion to cropland.	Birr	Adam	MN Dept. of Ag
047-B1	Integrating Soil Erosion Prevention in Agricultural Watershed Management	$584,471	This project will measure the impact of BMP's on water quality and peak flows on a watershed to provide information on integrating a variety of BMP's for the greatest impact.	Brooks	Kenneth	U of M
048-B1	Reducing Stream Bluff Erosion through Hydrologic Management	$480,161	Relationships between slumping stream bluffs, river discharge, precipitation and drainage will be examined through modeling and field measurements. Outcomes facilitate better targeting of practices to control in-stream sources of sediment.	Sands	Gary	U of M
049-B1	Preventing Nonpoint Pollution in Cannon, Rum, Mississippi Rivers	$150,000	Some critical waters exist in county parks without staff experts in practices affecting water quality. Partners will demonstrate best practices for erosion, siltation, stormwater pollution along Rum, Cannon, Mississippi River.	Ostlie	Wayne	Great River Greening
050-B1	Protecting Our Water- Public Boat Launch Retrofits	$115,200	Minnesotans access our waters through public boat launches, which often impact these very resources. Partners will retrofit and demonstrate three high quality boat launches in St. Croix Basin.	Raines	Dana	Onanegozie Resource Conservation and Development

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051-B1	Homeowners Association Stream Bank Restoration and Stewardship Model	$150,800	Homeowners Associations often lack knowledge of proper streambank management. This project will identify and repair existing erosion issues and promote greater streambank stewardship through education and continued citizen monitoring.	McNamara	Stephanie	Vadnais Lake Area Water Management Organization
052-B1	Urban Waters: Urbanization and Metropolitan Lakes and Lakes	$645,210	Effects of urbanization on lakes and ponds will be studied in one hundred randomly selected sites. Work will especially focus on organic contaminants, macrophytes, and chemical analysis of muds.	Sterner	Robert	U of M
053-B1	Reducing Lawn Pollution through Targeted Homeowner Education	$185,672	We will develop approaches to target lawns vulnerable to high nutrient and sediment loading and tailor homeowner lawn management education, to make them more effective and predictable for TMDL load reductions.	Baker	Lawrence	U of M
054-B1	Sibley County Tile Inlet Alternatives	$49,000	Replace 250 tile intakes with tile inlet alternatives to reduce sediment and nutrient loads that are getting into our streams and rivers.	Otto	Ronald	Sibley SWCD
055-B1	Mustinka River Rehabilitation, Reconnection, and Water Quality Enhancement	$58,590	The Mustinka River (ditch 14) will be restored and water quality improved as part of a combined flood damage reduction and natural resource enhancement project in the Red River Basin.	VanOffelen	Henry	Minnesota Center for Environmental Advocacy
B2. Reduce Peak Water Flows - *(9 proposals / subtotal - $4,018,294)*						
056-B2	Minimal Impact Design Standards for Urban Stormwater Runoff	$500,000	Develop a quantitative methodology to support the implementation of the full range of stormwater management techniques, to be used for site design and review by LGUs and State agencies.	Wilson	Bruce	MPCA
057-B2	Side Inlet Controls Research and Demonstration Project	$435,000	Determine effects of side inlets on peak flows and water quality, research effectiveness and design optimization of 4 different methods of side inlet controls, and construct 12 demonstration projects statewide.	Peterson	Joel	Board of Water and Soil Resources (BWSR)
058-B2	Reducing Peak Water Flows with the Urban Forest	$140,700	This project will develop and implement a replicable process to reduce peak water flows using revitalized urban forests. This process can then be used throughout Minnesota.	Bucklin	David	Greater Blue Earth River Basin Alliance (GBERBA)

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059-B2	Municipal Stormwater Management Assessment Tool (MSMAT)	$34,271	This project will develop the Municipal Stormwater Management Assessment Tool (MSMAT) to help cities maximize water quality through enhanced city development codes, stormwater management standards, housekeeping procedures and BMP requirements.	Russell	Trevor	Friends of the Mississippi River
060-B2	A Citizen-Based Approach to Stormwater Management	$492,023	The effectiveness of rain gardens to improve the quality of impaired waters will be evaluated for three citizen-organizing approaches and residential test areas around Powderhorn Lake in Minneapolis.	Rice	Becky	Metro Blooms
061-B2	Southport Terminal Stormwater Management Project	$240,000	The Project improves water quality, promotes erosion control, and enhances the banks of the Mississippi River while exceeding regulatory standards; and will serve as a pilot for river shipping terminals.	Warden	Kelly	Saint Paul Port Authority
062-B2	Lafayette Campus Stormwater Management Project	$865,000	The Lafayette Campus Project will improve stormwater quality from a 16-acre site that has approximately 90 percent impervious surfaces and contributes to the existing impairment of the Mississippi River.	Doneux	Mark	Capitol Region Watershed District
063-B2	Mapleton Area Agricultural/Urban Runoff Water Quality Treatment Analysis	$485,000	The project will improve water quality, enhance ecological value, and provide a model/tool for agricultural drainage improvements. The results will be beneficial to producers and the environment on future projects.	Brandel	Chuck	I&S Group, Inc.
064-B2	Springbrook Coulee Protection Project	$826,300	Construct dikes alongside 22,000 feet of natural channel; establish 188 acres riparian buffer/corridor to address water quality, erosion, overland flooding, and natural resources; enhance/protect 42 acres of wetland.	Money	Dan	Two Rivers Watershed District
B3. Minnesota Drainage Law Analysis and Evaluation - *(2 proposals / subtotal - $510,124)*						
065-B3	Minnesota Drainage Law Analysis and Evaluation	$423,054	This study will clarify operation of Minnesota's drainage authorities and interaction with other water law, bench mark Minnesota's drainage laws, examine implementation of Minnesota drainage law and develop change strategies.	Enzler	Sherry	U of M

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066-B3	Minnesota Drainage Law Analysis and Evaluation	$87,070	Build on experience with Minnesota's leading examples integrating 103E drainage solutions, wetland protection/restoration, and sound land use planning to evaluate suburban, lakeshore, and agricultural scenarios and identify reforms.	Smith	Louis	Smith Partners PLLP
B4. Deep Water Lakes - *(7 proposals / subtotal - $6,178,823)*						
067-B4	Cooperative Habitat Research in Deep Lakes	$1,600,000	Understanding, predicting, and responding to the consequences of large ecological drivers of change on water quality, habitats and fish populations in cold-water Minnesota lakes.	Pereira	Donald	DNR
068-B4	Vulnerability of Lakes to Endocrine Disruption	$297,000	Develop quantitative data on juvenile and adult fish vulnerability to endocrine-active emerging contaminants (EACs) found in Minnesota lakes using pond-scale enclosures (i.e., mesocosms).	Kiesling	Richard	USGS
069-B4	Evaluating Nitrogen Pollution from Septic Systems	$200,000	Nitrogen stable-isotopes will be used to assess human sewage based nutrient inputs into deepwater lakes. Findings of nitrogen pollution from septic systems may have broad applications in land use management.	Radomski	Paul	DNR
070-B4	Implementing Protection Strategies for Minnesota Deepwater Lakes	$3,422,704	This project will provide technical assistance through local units of government and deliver deep lake protection through the strategic implementation of established tools within watersheds and on sensitive lands.	Steward	Dan	Board of Water and Soil Resources (BWSR)
071-B4	St. Louis River Sediment Assessment and Restoration Strategies	$196,125	A strategy to obtain data in the St. Louis River to conduct comparative analysis on a larger geographic scale that will be used for prioritization of cleanup and restoration activities.	Hershfield	Marc	MPCA
072-B4	Improving Monitoring of Non-Agricultural Ground Water Contaminants	$413,000	This project will install 110 monitoring wells in key locations to address data gaps, eliminate biases and improve our understanding of urban/residential land use effects on ground-water quality.	Lotthammer	Shannon	MPCA
073-B4	Water Quality Monitoring and Education for Lake Protection	$49,994	To protect Cook County's outstanding lakes by collecting a complete dataset for total phosphorus, chlorophyll-a, Secchi, and dissolved oxygen while fostering lake association participation and education through workshops and newsletters.	Gentz	Cindy	Cook County Soil and Water Conservation District
C1. Aquatic and Terrestrial Invasive Species - *(16 proposals / subtotal - $4,277,106)*						

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074-C1	Ballast Water Sampling Method Development and Treatment Technology	$400,000	Provide foundation for the MPCA to conduct monitoring for aquatic invasive species in ballast water discharges to Minnesota waters of Lake Superior and test effectiveness of ballast water treatment systems.	Fenske	Mary Jean	MPCA
075-C1	Improving Emerging Fish Disease Surveillance in Minnesota	$80,101	Little is known about Heterosporosis, an emerging fish disease in Minnesota. Validating a molecular diagnostic test and performing a survey of high-risk waters will inform future management decisions and research.	Pelican	Katharine	U of M
076-C1	Controlling the Movement of Invasive Fish Species	$587,195	The ecological integrity of Minnesota's waterways is threatened by invasive fish. We will develop and test sonic barriers that will be effective in preventing and controlling the movement of carp.	Voller	Vaughan	U of M
077-C1	Lake Superior: Invasive Species and Ecosystem Change	$204,000	Shiptime is requested to study invasive aquatic species and ecosystem changes, related to multiple stresses, in Lake Superior. Results: establishment of systematic monitoring and assessment of changing lake conditions.	Colman	Steve	U of M, Duluth
078-C1	Improved Management of Eurasian Watermilfoil and Curly-leaf Pondweed	$200,000	The proposed project will produce a framework to guide investments of time and resources on lakes with the greatest potential to manage Eurasian watermilfoil and curly-leaf pondweed.	Welling	Chip	DNR
079-C1	Developing and Improving the Efficacy of Biological Control	$358,000	Biological control agents for spotted knapweed, tansy, and Japanese beetle developed as a cost-effective and sustainable management approach. Methods developed utilizing these agents can be applied to other invasives.	Ciborowski	Jeanne	MN Dept. of Ag
080-C1	Prevention and Early Detection of Invasive Earthworms	$182,135	Invasive earthworm impacts on hardwood forests will be curtailed through risk-assessment of the vectors of spread, testing of Management Recommendations, and identification of key areas for action in the state.	Hale	Cindy	U of M, NRRI
081-C1	Controlling Invasive Macrophytes and Phosphorus using Iron	$462,950	This project will determine the effectiveness of using sediment iron augmentation to control Curly-leaf pondweed and internal phosphorus loading in Minnesota lakes.	Huser	Brian	Barr Engineering

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082-C1	Pest Risk Assessment for New Invasive Species Threats	$216,060	This project will develop and implement risk assessment protocols to enable state agencies to optimize allocation of limited resources for prevention and early detection for the most threatening invasive species.	Koch	Robert	MN Dept. of Ag
083-C1	Simulating Predation of Invasive Earthworms for Woodland Restoration	$112,500	This cooperative research and educational outreach project with the University of Minnesota investigates the potential for woodland habitat recovery and restoration following an earthworm invasion using a (simulated) flatworm predator.	Brokke	Lonnie	Harriet Alexander Nature Center (Roseville)
084-C1	Cooperative Invasive Species Control and Native Plant Re-establishment	$230,000	This project focuses on large scale control of emerging invasive species through the strengthening of Cooperative Weed Management Areas (CWMA) and the collection and dissemination of information about effective strategies.	Shaw	Dan	Board of Water and Soil Resources (BWSR)
085-C1	Survey of Firewood Movement and Targeted Audience Outreach	$549,450	Prevent the introduction to and spread throughout Minnesota of emerald ash borer (EAB) by determining what groups pose greatest risk of spreading EAB and providing tailored outreach to those groups.	Abrahamson	Mark	MN Dept. of Ag
086-C1	Invasive Plant Management: Elimination of Invasiveness through Sterility	$242,015	This project will develop, test and implement methods for the production of sterile plants, which are seedless and have reduced invasiveness, yet retain desirable characteristics.	Smith	Alan	U of M
087-C1	Emergency Delivery System Development for Disinfecting Ballast Water	$125,000	This study will test the viability of treating ballast water through tank access ports or air vents to prevent the spread of invasive species.	Reynolds	Kevin	USGS
088-C1	Native Plant Biodiversity, Invasive Plant Species, and Invertebrates	$47,700	Biodiversity of native grasslands affects invasive species presence. Diverse grasslands hold more insects that both provide a food source for grassland bird and ecosystem services for surrounding agricultural lands.	Hoch	Greg	Concordia College
089-C1	Heating of Sediment to Eradicate Purple Loosestrife Seeds	$280,000	The purpose of this project is to evaluate the potential of a new management tool that would use electrical and microwave technologies to heat sediment and kill purple loosestrife seeds.	Zanko	Lawrence	U of M, NRRI
D1. Renewable Energy Life Cycle Costs and Impacts - *(11 proposals / subtotal - $3,858,949)*						

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090-D1	Options to De-carbonize Minnesota's Electrical Power System	$144,811	This project will analyze the Minnesota Climate Change Advisory Group's greenhouse gas reduction recommendations related to electrical power from a life-cycle analysis perspective and also from a socio-political perspective.	Pollak	Melisa	U of M
091-D1	Projecting Environmental Trajectories for Energy-Water-Habitat Planning	$194,000	Combine detailed climatic records of Minnesota with present and past ecosystem boundaries to forecast future fine-scale flow of climate across the state and help plan human and natural resources.	Reich	Peter	U of M
092-D1	'Climate-Grade' Observation System by Enhancing Existing Stations	$640,000	Existing networks of automatic observations managed to meet long term evaluation needs will be improved and operated to meet climate monitoring needs including associated policy/program evaluation and monitoring.	Zandlo	Jim	DNR, State Climatology Office
093-D1	An Analysis of Biofuel Alternatives for Minnesota	$180,000	Research and evaluation of the life-cycle costs, economic and environmental impacts, production practices, and climate change implications of biofuels and the various renewable energy options available in Minnesota.	Fernholz	Kathryn	Dovetail Partners, Inc.
094-D1	Mitigating Bee Pollinator Decline in Minnesota	$315,000	Honey bees and other bee pollinators are in serious decline in Minnesota. We will research the effects of neonicotinyl insecticides on bees and develop management plans to promote pollinators.	Krischik	Vera	U of M
095-D1	Forest Biomass LCA: Carbon, Economics, and Ecological Sustainability	$149,136	The proposed Life Cycle Analysis of forest biomass availability and carbon sequestration potential will demonstrate how bioenergy and biofuels markets can maximize forest based economic and environmental benefits in Minnesota.	Becker	Dennis	U of M
096-D1	Minnesota Wetlands: An Important CO2 Sink?	$261,805	Minnesota's lakes sequester CO2. What if we knew more about managing these systems to remove CO2? We will determine how fish and land use affect this process in lakes.	Cotner	James	U of M
097-D1	Habitat and Bioenergy Impacts of Harvesting Minnesota Grasslands	$1,661,478	Use an existing bioenergy facility and available agricultural technologies to explore life-cycle implications (ecological-economic) and industrial applications for using untapped grassland biomass from managed grasslands (WPAs, WMAs and CRP).	Cuomo	Greg	U of M

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098-D1	On-Farm Pelletizing Of Prairie For Sustainable Bioenergy	$68,000	The team will assess the economics of farm profitability for this system, and wildlife impacts of converting marginal cropland to perennial prairie vegetation for biofuel production.	Terrill	Tim	Winona Soil and Water Conservation District
099-D1	Wind and Wildlife: Preventing Problems and Reaching Solutions	$199,719	Wind power is an emerging issue in northeastern MN. Our project will enable turbine siting that provides renewable energy for homes and industry and reduces impacts on the tourism industry.	Moen	Ron	U of M, NRRI
100-D1	Landfill to Energy, Catalyst to Riverfront Renaissance	$45,000	Project assesses the feasibility of utilizing plasma arc technology to remediate riverfront landfill(s) and generate clean, alternative energy to support the reclamation, redevelopment and transformation of Burnsville's riverfront.	Shardlow	John	Bonestroo
D2. Residential Energy Conservation - *(8 proposals / subtotal - $5,509,577)*						
101-D2	Energy Efficient Cities – Leading the Way	$2,383,756	Demonstration of innovative energy efficiency delivery and financing strategies, serving 6,000 homes with broad community-wide partnership approach including utilities and cities to enhance current and integrate into future utility programs.	Strom	Sheldon	Center for Energy and Environment
102-D2	Cutting New Home Energy Consumption in Half	$478,771	A comprehensive evaluation of EPAs Advanced New Home Construction program to demonstrate its technical feasibility, market potential, and policy implications to facilitate and accelerate adoption of low-energy houses in Minnesota.	Huelman	Patrick	U of M
103-D2	Toolkits and Methods for Energy Efficient Communities	$194,000	Cooperative Energy Futures will help neighborhood associations and community leaders coordinate bulk-buying and group contracting efficiency projects by designing, assessing, and refining a toolkit and researching financing and feedback support.	Manning	Christie	Cooperative Energy Futures
104-D2	Home Energy Made Easy	$424,340	Home Energy Made Easy creates thousands of energy-efficient Minnesota homes via a free, expertly staffed statewide hotline, website, and newsletter for homeowners energy questions, plus discounted home energy loans.	Duffrin	Chris	Neighborhood Energy Connection

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105-D2	Empowering Interactive Approaches for Future Visioning, Measured Savings	$574,000	Through mobile phones and other innovative social media technologies, a statewide web-based competition and alternate reality game will inspire Minnesota grade 4-12 students to achieve measured energy savings at home.	Shen	Lester	Center for Energy and Environment
106-D2	Demonstration of a Geo & Solar-thermal Powered Residential CHC Microgrid	$564,170	The demonstration of the significant residential energy conservation that can be realized by implementing an economical renewable geo- and solar-thermal energy based combined heating and cooling microgrid utility energy system.	Goldberg	Louise	U of M
107-D2	EnerActNow Energy Managers Help Conserve Energy	$795,000	EnerActNow is an Energy Manager advising in cost effective, short-payback approaches to energy efficiency for gas, electric, water and renewable energy opportunities.	Weed	Newell	National Initiative for Consumers of Energy (N.I.C.E.)
108-D2	Feasibility Study Solar Manufacturing, Distribution and Installation Center	$95,540	The feasibility study is to determine whether a solar panel manufacturing, distribution, and installation will create jobs and will be profitable in the metro region.	Chism	Lennie	Glenwood Enterprises, Inc DBA Diverse Minnesota
E. Contract Administration - *(1 proposal / subtotal - $158,000)*						
109-E1	Contract Management	$158,000	Manage appropriations to DNR to be passed through to third party recipients. Reimburse for allowable expenses only, review of expenditures against work program objectives, and audit of financial records.	Becker	William	DNR
	GRAND TOTAL	**$53,639,047**				