

NAPECA

North American Partnership for **Environmental Community Action**

Community grant program



2013–2015



Environment
Canada

Environnement
Canada

SEMARNAT
SECRETARÍA DE
MEDIO AMBIENTE
Y RECURSOS NATURALES



cec.org/napeca

Commission for Environmental Cooperation



NAPECA PROJECTS

The CEC Council awarded US\$1.2 million in grants under the **North American Partnership for Environmental Community Action** (NAPECA) program for 17 new projects that will support communities across North America in addressing environmental problems at the local level.

CANADA

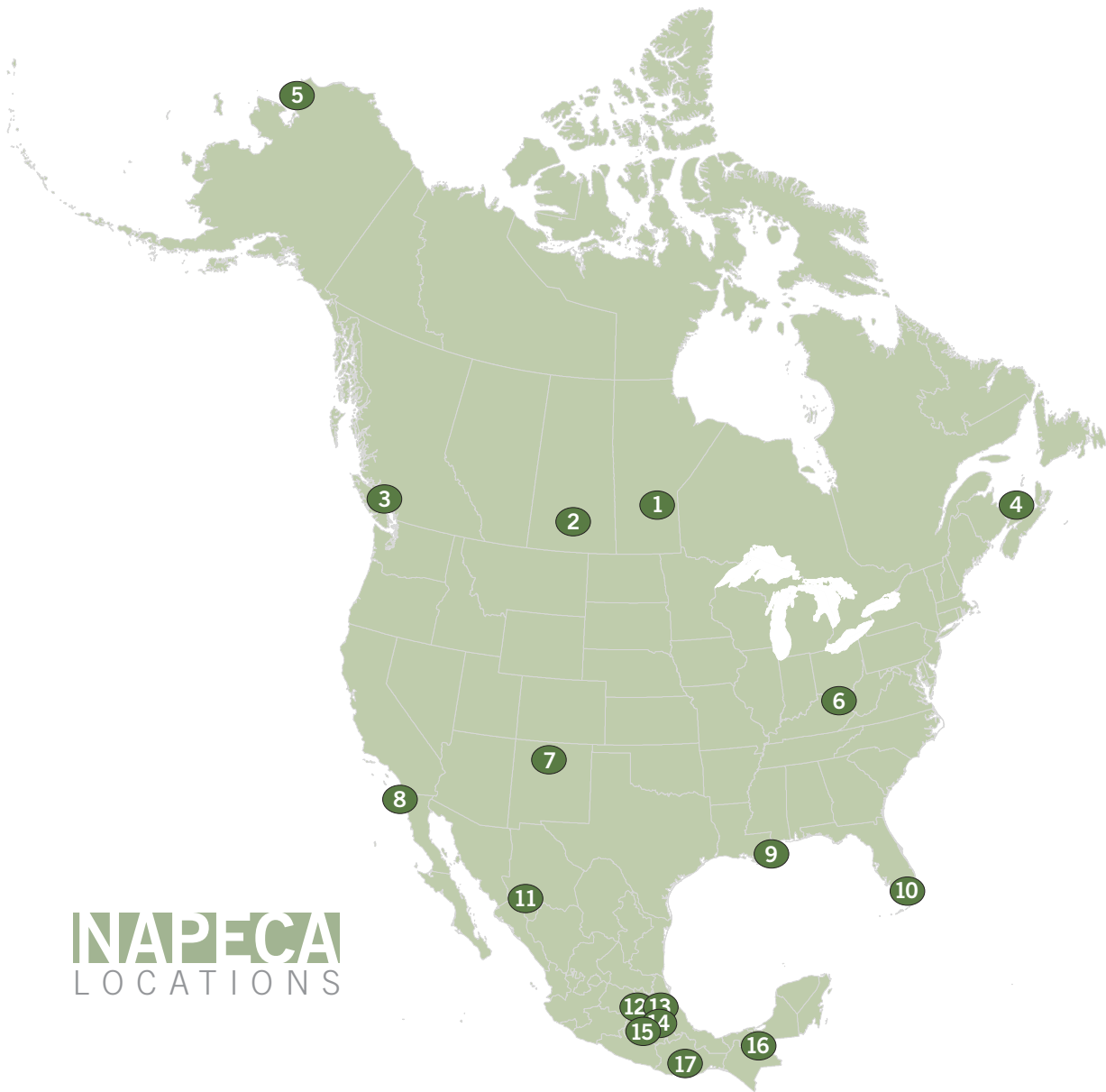
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NAPECA
LOCATIONS

NAPECA
PROJECTS

1

Indigenous Perspectives for Lake Winnipeg

Lake Winnipeg Foundation (LWF)
www.lakewinnipegfoundation.org

Grant Amount: \$74,000;

Location: Canada

Because of excess phosphorus loading from human activity across this vast transboundary watershed, Lake Winnipeg is one of the most eutrophic large lakes in the world. This project will facilitate the inclusion of indigenous perspectives in developing solutions for the lake. Opportunities will be created for the emergence of a consensus-based, First Nation-led initiative to protect Lake Winnipeg.



First Nation's gathering.

2

Adopt a Rancher

Saskatchewan Prairie Conservation
 Action Plan (PCAP)
www.pcap-sk.org

Grant Amount: \$8,000;

Location: Canada



Students at Adopt a Rancher field day.

Barry Putz, PCAP



Barry Putz, PCAP

This project will enable young Saskatchewan students to connect concepts and theories explored in the classroom to a real-life, practical, working ranch ecosystem. The project will: 1) create awareness among students, teachers and school communities about the valuable role that ranching can play in sustaining native prairie ecosystems; 2) provide students and teachers with skills necessary to explore and assess native prairie grasslands; and 3) develop positive, interactive relationships among students, teachers, schools, ranchers, and other partners.



3

The K'omoks and Squamish Estuaries — A Blue Carbon Pilot Project

Comox Valley Project Watershed Society

www.projectwatershed.ca

Squamish River Watershed Society

www.squamishwatershed.com

Grant Amount: \$230,000; Location: Canada

This project will provide a strategy for the identification, mapping, land protection, and establishment of a blue carbon strategy for the K'omoks and Squamish Estuaries. There are over 400 other estuaries in coastal British Columbia that would benefit from such a strategy.

4

Youth Water Education and Monitoring Project

Bedeque Bay Environmental Management
association (BBEMA)

www.bbema.ca

Grant Amount: \$86,322; Location: Canada

This project will enhance environmental educational opportunities among Prince Edward Island youth, landowners and community groups. The results will be a monitoring program based on a common water quality protocol, and the resource of an increased volunteer base to help protect Island aquatic ecosystems province wide.

*Students learn to identify and monitor fish, crustaceans,
and aquatic invasive species at the Bedeque Bay Estuary.*



5

Improving Community-Scale Feces Waste Treatment in Arctic North America

The Climate Foundation

www.climatefoundation.org

Grant Amount: \$85,000; Location: United States

This project will address key public sanitation issues in Arctic North America through a pilot project co-developed with the municipal and tribal councils in Kivalina, Alaska. The project will: 1) create a shovel-ready project to provide improved biochar sanitation to the Arctic village of Kivalina; and 2) develop a model for improved sanitation for Arctic villages across North America.



Open dump near Kivalina.



The Climate Foundation



Maria Dimingo, Community Grants Coalition



6

The Lake Erie Shoreline Project

**Community Grants Coalition;
Near West Intergenerational School**

Grant amount: \$6,400;

Location: United States

Just outside Cleveland, the beaches along Lake Erie have been affected by a silent invasion of zebra mussels. This project will train middle-school students, senior citizens and immigrant farmers on how to turn this waste into organic compost.

7

Sol Not Coal: Leveraging Solar Energy to Strengthen Community-based Nonprofit Organizations

New Energy Economy

www.newenergyeconomy.org

Grant amount: \$50,000;

Location: United States

Solar-powered community centers in historically underserved communities prove that solar is not just a solution for the wealthy and environmentally focused but a tangible and effective option for whole communities. The goal of this project is to implement two solar energy projects for two nonprofit organizations that serve young people, Native communities, and working families in northern New Mexico.

New Energy Economy. Positive Energy



8

Proyecto Playas Limpias de Tijuana y Rosarito/ Baja California Border Region Beach Water Quality

Wildcoast

www.wildcoast.net

Grant amount: \$80,000; Location: United States; Mexico

Border region pollution is a multi-dimensional problem affecting public health, the environment and the economy of Playas de Tijuana and Rosarito. This project aims at achieving a better understanding of the health impacts from sewage-contaminated ocean water in the region. Project goals include improving public notification of beach closures in Playas de Tijuana and Rosarito and building community capacity to monitor beach water quality.



Wildcoast

9

Developing a Carbon Reduction Methodology through Backyard Gardening

Green Light New Orleans

www.greenlightneworleans.org

Grant Amount: \$80,000; Location: United States

Many New Orleans residents live in neighborhoods that are swamped with highly processed convenience foods that are shipped thousands of miles. The goal of this project is to build backyard gardens to increase access to fresh food, reduce carbon dioxide (CO₂) emissions, and connect families to their food source. The project will also develop a methodology for calculating carbon offsets from residential gardening in New Orleans.



Green Light New Orleans



NAPECA grants are made possible by *the financial support of the government of Canada through the federal department of environment, the Government of Mexico through the Secretaría de Medio Ambiente y Recursos Naturales, and the Government of the United States through the Environmental Protection Agency.*

For complete project summaries, see: cec.org/napeca.



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10

Pilot Project for a GHG Emissions Reduction Initiative via a Student Competition in South Miami, Florida

Citizens for a Better South Florida (CBSF)
www.abettersouthflorida.org

Grant Amount: \$12,000; Location: United States

By creating a competition amongst grade school students to reduce electricity consumption in their homes, this project will encourage students and their households to develop more energy-conscious and electricity-conserving habits to reduce greenhouse gas (GHG) emissions.

11

Integration of Edible Greens into the Production Chain to Ensure Food Security in the Sierra Tarahumara

Institute of Biology, Universidad Nacional Autónoma de México www.ib.unam.mx

Grant amount: \$100,000; Location: Mexico

The goals of this project are to: 1) foster the production of native vegetables by deploying bio-intensive management practices; 2) expand the consumption of edible greens throughout the year; 3) train the general population on the preparation and processing of edible greens byproducts for sale; and 4) maintain a semi-intensive edible greens production system to foster the efficient use of resources in the Sierra Tarahumara.



12

Community Improvement of Sanitation, Farm, Tourism and Ecological Services for Sustainable Development in the Hñahñü Indigenous Community of El Alberto, Ixmiquilpan (Hidalgo, Mexico)

Parque Ecoalberto

www.ecoalberto.com.mx

Grant amount: \$113,215; Location: Mexico

This project aims to improve the community's sanitation and sewer system for household and tourism activities. The quality of treated water before reuse or discharge into the Tula River will be ensured through the design and construction of biological wastewater treatment plants. A nursery of endemic tree species will also be created.



M. Rojas-Orozco, FC-UNAM

13

Strengthening Community Ties for Environmental Health and Sustainability

BioFutura, A.C.

Grant amount: \$25,000; Location: Mexico

In the municipality of Huehuetla in the state of Hidalgo, activities such as stockbreeding and the non-sustainable use of forests has led to growing marginalization, making it necessary to implement environmentally friendly ecotechniques in line with local customs and practices. Key activities for this project include creating six greenhouses to produce 100% organic food and creating six native plant reforestation teams.



BioFutura, A.C.

14

Rural Schools in the Texcoco Mountain Zone, Toward Sustainability

TEXCOTLI Productores y Artesanos del Estado de México, A.C.

Grant amount: \$63,500; Location: Mexico

This project is intended to awaken interest among Texcoco Mountain Zone school communities in the protection, conservation and rational use of natural resources, through the use of innovative ecotechnologies and practices in their management. Principal project activities include: 1) installing three photovoltaic systems to reduce the current economic impact of electric bills; 2) constructing a system of rainwater catchment and storage to counter shortages during the dry season; and 3) building school vegetable gardens.



15

Local Capacity Building to Apply Alternative Technologies and Training on Sustainable Water Management and Biological Conservation

Centro de Innovación en Tecnología Alternativa (CITA)

<http://esac.laneta.apc.org/citaesp.htm>

Grant amount: \$80,000; Location: Mexico

Santo Domingo Ocotitlán and Amatlán de Quetzalcóatl, in the state of Morelos, are two indigenous communities that lack potable water and sewer services. Project activities seek to ensure that these communities build, maintain and take over a series of self-sufficient technologies, enabling them to increase the availability of high-quality water, reduce contamination and create awareness of the biological wealth of their surroundings.



16

Reduction of Pollution from Waste Cooking Oil and Biodiesel Utilization in Communities of the Municipality of Emiliano Zapata, Tabasco

Centro del Cambio Global y la Sustentabilidad en el Sureste, A.C.
www.ccgss.org

Grant amount: \$38,700; Location: Mexico

This project is designed to enhance awareness among families and the general population of the municipality of Emiliano Zapata to avoid discharging waste oil into the river basin. Main activities include:

- 1) developing community workshops on environmental culture, primarily to advice against discharging waste into water basins;
- 2) preparing informational workshops on waste separation and recycling;
- 3) constructing an easily transported biodiesel processor; and 4) training volunteers and municipal workers on the operation of the biodiesel processor.



CCGSS

17

Reinforced Concrete Tanks for Rainwater Catchment in the Municipality of San Lucas Quiaviní in the State of Oaxaca

Transformando el Campo y Regiones de Oaxaca, A.C.

Grant amount: \$13,223;

Location: Mexico

In the municipality of San Lucas Quiaviní, water scarcity has led to crop loss, and plants are not planted for the families' own use. This project will train families on how to build water catchment tanks and install ecological gardens in various homes. It will also provide environmental education workshops to create public awareness on various issues, including water scarcity.



Elizabeth Reyna, Transformando el Campo y Regiones de Oaxaca, A.C.