STATE OF ALASKA
ALASKA CLEAN/DRINKING WATER FUND
GREEN PROJECT ASSESSMENT FORM

As applicable under the EPA annual capitalization grants provided to the Alaska Clean Water Fund (ACWF) and Alaska Drinking Water Fund (ADWF) loan programs, a portion of funds appropriated shall be for projects to address green infrastructure, water or energy efficiency improvements or other environmentally innovative activities." To meet this condition under the federal grant for administering these funds, this assessment form is provided to document this eligibility or what is termed a "Categorical" or "Business Case" justification, which will be reviewed by DEC for provisional compliance. For more information on green infrastructure development, please review the following EPA web site:

http://cfpub.epa.gov/npdes/home.cfm?program_id=298

For those projects requiring a "Business Case," Part 2 will require completion to qualify a "traditional project" as green; justification is broken down into two parts, technical and financial. The technical part should use information from a variety of sources such as maintenance or operation records, engineering studies, project plans or other applicable documentation to identify problems (including any data on water and/or energy inefficiencies) in the existing facility, and that clarifies the technical benefits from the project in water and/or energy efficiency terms. Financial justification needs to show estimated savings to a project based on the technical benefits, and demonstrate that the green component of the project provides a substantial savings and environmental benefit.

For more information and assistance in completing this assessment form, please contact the Municipal Matching Grants & Loans program in Anchorage at 907-269-7673, or in Juneau at 907-465-5300.

GENERAL INFORMATION

Name of Community City of North Pole

Address 125 Snowman Lane, North Pole, AK 99705

Contact Name William Butler Title _____ Telephone (907) 488-8593

PROJECT INFORMATION

Project Name Utility Emergency Response Generators Location City of North Pole

Project Type: [✓] New Construction [✓] Upgrades

[ ] Stormwater Infrastructure [ ] Energy Efficiency Project

[ ] Water Efficiency Project [ ] Innovative Environmental Project

Green Project Description: The project will replace two aging, polluting and energy inefficient diesel generators. The first is the emergency generator at the waste water treatment plant. This generator is planned to be replaced as part of a facility upgrade. The second generator the project will replace is a tow-behind generator used to power sewer lift stations during power failures. The utility also proposes to purchase an additional emergency tow-behind generator to assist in powering the City's 15 sewer lift stations in the event of power failures.

PART 1 – GREEN PROJECT CATEGORY & COSTS

Identify the most appropriate "Green" Clean Water or Drinking Water category project type. Note, any selection with (BC) at the end will require a Business Case demonstration.

ENERGY EFFICIENCY – the use of improved technologies and practices to reduce the energy consumption of water quality projects.

- [ ] Wastewater/water utility energy audits
- [ ] Clean power for public owned facilities
- [ ] Leak detection equipment
- [x] Retrofits/upgrades to pumps & treatment processes (BC)
- [ ] Replace/rehabilitation of distribution (BC)
- [ ] Other:_____(BC)

WATER EFFICIENCY – the use of improved technologies and practices to deliver equal or better services with less wa

- [ ] Water meters
- [ ] Fixture Retrofit
- [ ] Landscape/Irrigation
- [ ] Graywater or other water recycling
- [ ] Replace/rehabilitation of distribution (BC)
- [ ] Leak detection equipment
- [ ] OTHER: _____ (BC)

GREEN INFRASTRUCTURE – Practices that manage and treat stormwater and that maintain and restore natural hydrology by infiltrating, evapotranspiring and capturing and using stormwater.

- [ ] Green Streets
- [ ] Water harvesting and reuse
- [ ] Porous pavement, bioretention, trees, green roofs, water gardens, constructed wetlands
- [ ] Hydromodification for riparian buffers, floodplains, and wetlands
- [ ] Downspout disconnection to remove stormwater from combined sewers and storm sewers
- [ ] OTHER: _____ (BC)

ENVIRONMENTALLY INNOVATIVE PROJECTS – Demonstrate new/innovative approaches to managing water resources in a more sustainable way. This may include projects that achieve pollution prevention or pollutant removal with reduced costs and projects that foster adaptation of water protection programs and practices to climate change.

- [ ] Wetland restoration
- [ ] Decentralized wastewater treatment solutions
- [ ] Water reuse
- [ ] Green stormwater infrastructure
- [ ] Water balance approaches
- [ ] Adaptation to climate change
- _____ Integrated water resource management
- [ ] OTHER: _____ (BC)

PROJECT & GREEN COMPONENT COSTS

	TOTAL PROJECT COSTS	TOTAL "GREEN" COMPONENT COSTS
Administration	$ 7,500	$
Legal	$ 7,500	$
Preliminary Studies/Reports	$ 5,000	$ 5,000
Engineering Design	$ 25,000	$ 25,000
Inspection/Surveying/Construction Management	$ 10,000	$
Construction	$ 20,000	$
Equipment	$ 200,000	$ 200,000
Contingencies	$ 27,500	$
Other	$ 0	$
Total Costs	$ 302,500	$ 230,000

PART 2 – PROJECT "BUSINESS CASE" TECHNICAL/FINANCIAL ASSESSMENT

TECHNICAL ANALYSIS OF BENEFITS*

In addition to this form, a supporting technical and financial analysis is required to verify energy and water saving efficiencies for any green component of the project. For green infrastructure and innovative environmental type projects, the analysis should include any applicable efficiency and environmental benefits. For assisting MGL in evaluating "Business Case" assessments of water main, meter, and pump facility replacement type projects, the attached form titled "ADWF - Water/Energy Efficiency Determination - Water Main Replacement/Meter/Pump Facility" is required to be completed. Once the form is complete along with any supporting documentation, please submit documentation to the MGL program for review and concurrence. Note, only water/energy efficiencies that achieve a 20% or greater increase in efficiency will categorically qualify as a Green project.

CERTIFICATION STATEMENT:

I certify the above information is current and accurate.

William Butler	Directot of City Services
Name	Title
William Butler	January 23, 2013
Signature	Date

Submit Completed Form to:

Alaska Department of Environmental Conservation
Municipal Matching Grants & Loans
555 Cordova Street
Anchorage, AK 99501-2617