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 the 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 Homer, Alaska ____________________________

Address 491 E. Pioneer Avenue

Homer, Alaska 99603 ____________________________

Contact Name ____________________________ Title PW Director Telephone (907) 435-3124

PROJECT INFORMATION

Project Name Water Distribution/Storage Improvements (Ph. I) Location Homer, Alaska ____________________________

Project Type: X New Construction _______ Upgrades

_____ Stormwater Infrastructure X Energy Efficiency Project

_____ Water Efficiency Project _______ Innovative Environmental Project
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  X Clean power for public owned facilities

______ Leak detection equipment  _______ 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 water.

______ 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

| Administration   | $ 50,000 | $ 19,150 |
| Legal            | $ 0      | $ 0      |
| Preliminary Studies/Reports | $ 0    | $ 0      |
| Engineering Design | $ 0   | $ 0      |
| Inspection/Surveying/Construction | $ 101,000 | $ 38,680 |
| Management       |          |          |
| Construction     | $ 2,520,000 | $ 965,075 |
| Equipment        | $ 0      | $ 0      |
| Contingencies    | $ 126,000 | $ 48,250 |
| Other            | $ 0      | $ 0      |
| **Total Costs**  | $ 2,797,000 | $ 1,071,155 |

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.

**CAREY MEYER**

Name

**PUBLIC WORKS DIRECTOR**

Title

Signature

Date

12/1/15

Submit Completed Form to:

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