



GALENA 10-179 resend
w/completed app. (4 pages)

Alaska Small Cities
Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, Option 1
(For option 1 applicants only)
Opt-In Technical Assistance

1. Name of City or Borough: City of Galena

2. To what extent is the community committed to coordinating, planning and working with the contractor? Please describe.

The City of Galena is committed to making whatever staff is necessary to work with the selected service provider to assist with project planning, access, design, and/or construction for this energy efficiency project for critical infrastructure. The City will also make necessary vehicles available as well as fuel. Our idea is once the assessment has been completed, to use any additional funding for necessary materials, supplies, or equipment. Our Public Works Department would be on site to assist in this endeavor.

3. Will in-kind support be provided to the project by the community? If so, please describe the types of in-kind support that are available (labor, storage, lodging, other), and the extent to which it is available.

In addition to the commitment stated above, the City will supply whatever space is needed in an unheated but dry, secured, storage area, for equipment. The City will load/unload and transport all equipment necessary from the airport or barge dock upon arrival. The City will also supply office space, a computer, phone and Internet service for the duration of the project for the service provider.

4. If known, what buildings or facilities would the city like the contractor to focus on during the audit portion of the work? If specific known opportunities exist in any of these buildings, please list them in "additional comments" section below.

#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	City Hall	87 Antoski Rd.	15,728	Public Building
2.	Larson Community Hall	149 Tiger Freeway	4,600	Public Building
3.	Galena Pool	149 Antoski Rd.	13,500	Public Building
4.				Select from Arrow
5.				Select from Arrow

If additional space is needed, please list other buildings in the "Additional comments" box below.

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5. Summary of Project

The City of Galena wishes to take advantage of the opt-in technical assistance program. We will have to wait for the appointed service provider's technical assistance to determine the full scope of work. The City is committed to providing in-kind services/equipment/personnel contributions in addition to vehicles and storage of equipment to assist in this project. We have specified three buildings to receive and energy audit and assessment by the service provider:

- 1) City Hall - Daily operations and weekly public meetings with the public health clinic operations in part of the building. Currently using older boiler system, but trying to adjust management of waste heat provided by power plant.
- 2) Larson Community Hall - Weekly attendance by Village Elders for bingo and social meetings. Funerals are also held here for all residents. Very tall, older, building with limited insulation and 2 boilers with forced-air fans. Whole building must be heated to use any portion of it.
- 3) Galena Pool - Only constructive entertainment for 170 children at GILA and residents who are land-locked in the Interior. Current costs for heat are over \$100,000. Trying to get best use of waste heat from power plant, but losing pressure in system.

6. Additional Comments

The City of Galena was devastated by the closing of it's US Air Force base. After October of 2008, the City lost over 70% of it's revenue stream from utilities. The City was also left with a generating system designed to handle an additional 1000 inhabitants. The 560 residents and the students of the Galena Interior Learning Academy now must bear the brunt of that impact. The City must reduce it's power consumption for each individual building to keep each of these vital services functioning. Estimates for the buildings cited would be in the \$100,000 plus category for utilities without energy efficiency savings. The City's meager general fund would not allow for their continued operation.

Barges run generally from late May to early September. All other shipments must be sent via air.

Local labor is readily available.



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**Alaska Small Cities
Energy Efficiency and Conservation Block Grants**

Budget Form

Name of City or Borough: City of Galena

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 33,400
2.	City/borough matching or in-kind contributions	\$ 5,000
3.	Funding from other sources*	\$ 5,000
4.	Estimated total project cost	\$ 43,400

* Identify other sources from line 3, and whether sources are confirmed or pending:

\$5000 in-kind services/equipment/personnel contributions from the Galena Interior Learning Academy.

Table B: EECBG Funding Breakdown

Please budget how the EECBG funding (Table A, line 1 above) breaks down between the following categories. Please note that the energy audit cost column may not be more than 50 percent of the total.

Expense Categories	Energy Audit Costs	EEM/ECM Costs**	Total
Personnel	\$	\$	\$ 0
Travel	\$	\$	\$ 0
Materials & Supplies	\$	\$	\$ 0
Equipment	\$	\$	\$ 0
Contractual	\$	\$	\$ 0
Total	\$ 0	\$ 0	\$ 0

**EEM: Energy Efficiency Measure, ECM: Energy Conservation Measure; defined in EECBG Funding Announcement and Instructions document.

Budget Narrative

Please briefly describe the use of EECBG funds and any matching funds, as categorized above:

The City of Galena and the Galena Interior Learning Academy have committed to \$10,000 of in-kind services/equipment/personnel contributions to the EECBG project. The funds will be overseen by the selected service provider. The City Manager will provide updates and documentation of the spending for each quarterly report.

After the assessment is complete, remaining funds would be utilized for necessary materials and/or supplies.

The City is not looking for funding for it's part in the management of this critical infrastructure project.



HUGHES 10-164 (4 pages)

Alaska Small Cities
Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, Option 1
(For option 1 applicants only)
Opt-In Technical Assistance

1. Name of City or Borough: City of Hughes

2. To what extent is the community committed to coordinating, planning and working with the contractor? Please describe.

The City of Hughes commits to making appropriate staff available to coordinate with the selected service provider to assist with project planning, coordination and implementation. Access will be made available to all public buildings and facilities in a timely manner. Local transportation and lodging will be provided by the City of Hughes. The City maintenance department and washeteria will provide up to 100 hours of employee time to conduct a thorough and complete energy audit.

3. Will in-kind support be provided to the project by the community? If so, please describe the types of in-kind support that are available (labor, storage, lodging, other), and the extent to which it is available.

Up to 100 hours of labor by the maintenance and washeteria employees. Approximately 200 hours of city staff and community volunteer time in planning, coordinating, moving materials, helping with transportation, and helping implement weatherization and alternative energy project(s). The city will pick up materials from the airport upon arrival and store them in a heated or unheated building depending upon storage requirements. The city will ensure adequate lodging for the service provider, either in the city-owned apartment above the clinic or city office. the approximate value of these in-kind contributions is specified on the budget form.

4. If known, what buildings or facilities would the city like the contractor to focus on during the audit portion of the work? If specific known opportunities exist in any of these buildings, please list them in "additional comments" section below.

Table with 5 columns: #, Name of Building or Facility, Street Address, Sq. Ft., Sector. Rows include Washeteria, City Office Building, Old Clinic, and two rows with 'Select from Arrow'.

If additional space is needed, please list other buildings in the "Additional comments" box below.

5. Summary of Project **HUGHES 10-164 (4 pages)**

The City of Hughes has selected Option 1, opt-in technical assistance program. Therefore, we will await the service provider's technical assistance prior to determining the full scope of work. We have committed to providing in-kind services, labor, storage, and lodging to the service provider for this project at an estimated value of \$8,000. Three public buildings have been specified to receive an energy audit or assessment by the service provider. It is the intent to reduce heating fuel consumption by improving the building(s) thermal envelope and/or HVAC system.

6. Additional Comments

The City of Hughes is planning to add a biomass system to the washeteria for economic sustainability. The expenditures for the operation of this building far exceeds its revenue from the sale of its tokens for washers, dryers and showers. Currently, there are four boilers in the building for heating purposes and the present cost of diesel is \$8.55 per gallon. Any technical assistance for this endeavor would be greatly appreciated.

The washeteria, city office and old clinic buildings are within a block of the airport and are located in one general area. A new clinic opened in 2009. The approximate size of the buildings are:

1. Washeteria: 1,872 square feet.
2. Old Clinic: 1,536 square feet.
3. City Office: 2,304 square feet.



HUGHES 10-164 (4 pages)

**Alaska Small Cities
Energy Efficiency and Conservation Block Grants**

Budget Form

Name of City or Borough: City of Hughes

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 13,300
2.	City/borough matching or in-kind contributions	\$ 1,600
3.	Funding from other sources*	\$ 0
4.	Estimated total project cost	\$ 14,900

* Identify other sources from line 3, and whether sources are confirmed or pending:

Table B: EECBG Funding Breakdown

Please budget how the EECBG funding (Table A, line 1 above) breaks down between the following categories. Please note that the energy audit cost column may not be more than 50 percent of the total.

Expense Categories	Energy Audit Costs	EEM/ECM Costs**	Total
Personnel	\$	\$	\$ 0
Travel	\$	\$	\$ 0
Materials & Supplies	\$	\$	\$ 0
Equipment	\$	\$	\$ 0
Contractual	\$	\$	\$ 0
Total	\$ 0	\$ 0	\$ 0

**EEM: Energy Efficiency Measure, ECM: Energy Conservation Measure; defined in EECBG Funding Announcement and Instructions document.

Budget Narrative

Please briefly describe the use of EECBG funds and any matching funds, as categorized above:

The City has committed up to \$1,600 of cash and in-kind contributions to extend the energy saving through this project. The City of Hughes will provide the service provider timely updates of cash and in-kind spending for quarterly reports.



MCGRATH 10-156 (4 pages)

Alaska Small Cities Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, Option 1 (For option 1 applicants only) Opt-In Technical Assistance

1. Name of City or Borough: City of McGrath

2. To what extent is the community committed to coordinating, planning and working with the contractor? Please describe.

The city's Public Works Foreman and City Administrator will work closely with the service provider/contractor to assess the energy saving choice for the city and it's residents that we have identified; to replace an initial number of aging and failing streetlights with energy efficient LED fixtures/bulbs. By selecting Option 1, we hope to be able to take advantage of the best possible pricing on LED light fixtures and bulbs through bulk pricing being negotiated by the contractor.

3. Will in-kind support be provided to the project by the community? If so, please describe the types of in-kind support that are available (labor, storage, lodging, other), and the extent to which it is available.

The Public Works Foreman and his staff as well as the City Administrator will contribute in-kind labor during the development and implementation of this project. The city staff is prepared to receive materials as they arrive and to provide dry storage until installation and to assist with local transportation if the contractor makes a site visit to McGrath.

It will also be necessary to fund the installation of the new streetlight fixtures through this grant, including the removal of the old fixtures which is only allowed by the owner of the poles, McGrath Light and Power (ML&P). The city owns the fixtures and pays the monthly electric charges and ML&P maintains the fixtures (replaces bulbs supplied by the city and repairs fixtures to the extent possible.

4. If known, what buildings or facilities would the city like the contractor to focus on during the audit portion of the work? If specific known opportunities exist in any of these buildings, please list them in "additional comments" section below.

#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	Streetlights located in various locations throughout town			Other Public Facility
2.				Select from Arrow
3.				Select from Arrow
4.				Select from Arrow
5.				Select from Arrow

If additional space is needed, please list other buildings in the "Additional comments" box below.

5. Summary of Project

MCGRATH 10-156 (4 pages)

Old streetlight fixtures exist throughout town and some have failed beyond repair. We have not yet replaced them as the city would like to take advantage of more energy efficient LED fixtures due to high costs associated with the price of fuel (i.e. high electric rates that are additionally being reviewed for a tariff increase). This project will provide the first phase of transition to LED streetlights for McGrath.

The Opt-in option will provide needed technical assistance to do an energy efficiency and conservation assessment of our community's streetlights. The City of McGrath wants to eventually replace all of the aging, considerably less efficient fixtures with highly energy efficient, bright LED streetlights. Good visibility is an important safety factor for all who walk or ride on our roads. If the selected service provider will be able to assist us in laying out a scope of work and through bulk purchasing/collaboration with other communities, get the lowest cost per unit for the replacement of an initial number of our streetlights.

6. Additional Comments

[Empty box for additional comments]



MCGRATH 10-156 (4 pages)

**Alaska Small Cities
Energy Efficiency and Conservation Block Grants**

Budget Form

Name of City or Borough: City of McGrath

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 22,800
2.	City/borough matching or in-kind contributions	\$ 2,500
3.	Funding from other sources*	\$ 0
4.	Estimated total project cost	\$ 25,300

* Identify other sources from line 3, and whether sources are confirmed or pending:

Line 2: City staff labor (Public Works and Administrative services), local transportation, receiving and hauling freight from airport and dry, secure storage of project materials.

Table B: EECBG Funding Breakdown

Please budget how the EECBG funding (Table A, line 1 above) breaks down between the following categories. Please note that the energy audit cost column may not be more than 50 percent of the total.

Expense Categories	Energy Audit Costs	EEM/ECM Costs**	Total
Personnel	\$	\$	\$ 0
Travel	\$	\$	\$ 0
Materials & Supplies	\$	\$	\$ 0
Equipment	\$	\$	\$ 0
Contractual	\$	\$	\$ 0
Total	\$ 0	\$ 0	\$ 0

**EEM: Energy Efficiency Measure, ECM: Energy Conservation Measure; defined in EECBG Funding Announcement and Instructions document.

Budget Narrative

Please briefly describe the use of EECBG funds and any matching funds, as categorized above:

At the time of this initial application, we do not know how the contracted technical assistance provider will allocate funds within table B.

The city will be contributing \$2,500 of in-kind labor and other services as stated in the explanation box for Table A, above.

We anticipate that the assessment will take a minimal amount of the overall funds available.



NORTH POLE 10-103 (4 pages)
Alaska Small Cities

Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, Option 1

(For option 1 applicants only)

Opt-In Technical Assistance

1. Name of City or Borough: City of North Pole

2. To what extent is the community committed to coordinating, planning and working with the contractor? Please describe.

The City has 13 city buildings that could benefit from energy efficiency upgrades. North Pole is a small city of 2000 so it does not have the technical expertise to assess and implement energy efficiency upgrades. The EECBG Option 1 will provide the City with a "turnkey" alternative to achieve greater energy efficiency in its buildings--access to vetted technical expertise to determine the deficiencies in current energy utilization; identification of energy efficiency improvements; recommendations of reputable suppliers and contractors; and assistance with satisfying grant reporting requirements. Energy audits of City facilities will support budget planning to implement additional energy-saving actions beyond those funded with the grant award.

3. Will in-kind support be provided to the project by the community? If so, please describe the types of in-kind support that are available (labor, storage, lodging, other), and the extent to which it is available.

North Pole's Public Works Department has only two full time employees; however, these staff members do have skills that can be used for basic construction activities. The North Pole Fire Department has employees with construction skills that could be used for construction-related activities at Fire Department facilities. The Director of City Services will provide administrative support for the project. Depending upon the results of energy audits, recommended improvements and estimated pay-back times, the City Council will actively consider funding energy improvements beyond those funded with grant dollars.

4. If known, what buildings or facilities would the city like the contractor to focus on during the audit portion of the work? If specific known opportunities exist in any of these buildings, please list them in "additional comments" section below.

#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	North Pole City Hall	125 Snowman Lane	3,900	Public Building
2.	North Pole Police Station	125 Snowman Lane	5,500	Public Building
3.	North Pole Fire Station	102 Lewis Street	12,240	Public Building
4.	North Pole Fire Annex	243 1st Avenue	3,000	Public Building
5.	North Pole Public Works Garage	133 Lewis Street	4,800	Public Building

If additional space is needed, please list other buildings in the "Additional comments" box below.

5. Summary of Project

NORTH POLE 10-103 (4 pages)

The majority of the City of North Pole's public facilities are between 20 and 40 years old. When these buildings were constructed, energy was relatively inexpensive, attitudes toward energy saving were different, and energy saving technologies were less effective than those available today. With competing demands for scarce public resources, it is challenging for a small municipality to overcome the financial hurdle for initiating upgrades in the energy efficiency of its facilities. The funding from the EECBG will provide the City with start-up funding to initiate efforts to improve energy efficiency of its facilities. The critical first step in improving the energy efficiency of the City's facilities is an assessment of the the current state of energy usage and the facilities' conditions; recommendations for improving energy efficiency; and cost-benefit data including estimated payback for investments in energy efficiency improvements. With this information, the City can use the remainder of the grant funds to make energy efficiency improvements that will generate immediate results and cost savings. Energy efficiency improvement recommendations that cost more than the balance of grant funds will be the foundation for an energy efficiency improvement plan to be funded with City funds and possible grant and loan awards.

6. Additional Comments

The City of North Pole recognizes the need to improve energy efficiency at its facilities and in its operations and has made energy efficiency a priority component of capital projects. The City has received funding from USDA-Rural Development, Environmental Protection Agency, Alaska Department of Environmental Conservation, and Alaska Department of Transportation and Public Facilities matched with City cash for a series of capital projects. Below is a summary of capital projects scheduled for 2010-2011 that have significant energy-saving components.

1. Water Treatment Plant Pump Replacement Project for Energy Efficiency: \$600,000 of ARRA funding to replace old single-speed water pumps with high efficiency variable frequency drive pumps.
2. Water Meter Replacement Project: \$100,000 to replace residential water meters and to provide every water utility customer with an in-home water meter monitor so they can make informed water conservation decisions.
3. Waste Water Treatment Plant Engineering and Design Project: \$500,000 to design upgrades to the City's waste water treatment plant. A directive to the engineering firm will be to incorporate energy saving technologies in the project design.
4. Water Treatment Plant Engineering and Design Project: \$500,000 to design upgrades to the City's water treatment plant. A directive to the engineering firm will be to incorporate energy saving technologies in the project design.
5. Sewer Lift Station Rehabilitation Project Phases 1 & 2: \$4,800,000 to upgrade sewer lift stations that includes energy efficient variable frequency drive pumps and supervisory control and data acquisition (SCADA) controls that will provide operational data that will support energy efficiency.
6. Utility Garage Construction Project: \$850,000 to build a utility maintenance shop and garage that will incorporate energy efficient construction, heating, and lighting.
7. LED Street Light and Load Center Replacement Project: \$200,000 for the replacement of streetlights with energy-saving LED lights and the upgrade of all street light load centers.



NORTH POLE 10-103 (4 pages)

Alaska Small Cities

Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of North Pole

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 100,000
2.	City/borough matching or in-kind contributions	\$ 10,000
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 110,000

* Identify other sources from line 3, and whether sources are confirmed or pending:

Table B: EECBG Funding Breakdown

Please budget how the EECBG funding (Table A, line 1 above) breaks down between the following categories. Please note that the energy audit cost column may not be more than 50 percent of the total.

Expense Categories	Energy Audit Costs	EEM/ECM Costs**	Total
Personnel	\$	\$	\$ 0
Travel	\$	\$	\$ 0
Materials & Supplies	\$	\$	\$ 0
Equipment	\$	\$	\$ 0
Contractual	\$	\$	\$ 0
Total	\$ 0	\$ 0	\$ 0

**EEM: Energy Efficiency Measure, ECM: Energy Conservation Measure; defined in EECBG Funding Announcement and Instructions document.

Budget Narrative

Please briefly describe the use of EECBG funds and any matching funds, as categorized above:

As a participant in EECBG Option 1, the City will rely heavily upon the technical expertise of project-provided consultants. The City has identified the need to conduct energy assessments of its facilities, but lacks the resources to make the initial investment. A professional energy assessments that provide sound recommendations about needed upgrades, costs, and energy savings-payback data will provide the City with the ability to make sound policy and funding decisions. With an energy saving plan, the City can allocate resources for those activities that can be funded internally and that use internal labor and can budget for more expensive project. A professionally conducted energy assessment of City facilities will also provide the City with technically sound data to support grant and loan applications.

Matching contributions will be in-kind labor from the Public Works, Fire Department, and Administration staff. Depending upon the recommendations of the energy assessment, particularly ones that provide documentable rapid payback and future budget savings, the North Pole City Council may be willing to commit significant financial resources to energy upgrades.



RUBY 10-161 (4 pages)

Alaska Small Cities
Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, Option 1

(For option 1 applicants only)

Opt-In Technical Assistance

1. Name of City or Borough: City of Ruby

2. To what extent is the community committed to coordinating, planning and working with the contractor? Please describe.

The City of Ruby will work with Contractor and get the job done before deadline.

3. Will in-kind support be provided to the project by the community? If so, please describe the types of in-kind support that are available (labor, storage, lodging, other), and the extent to which it is available.

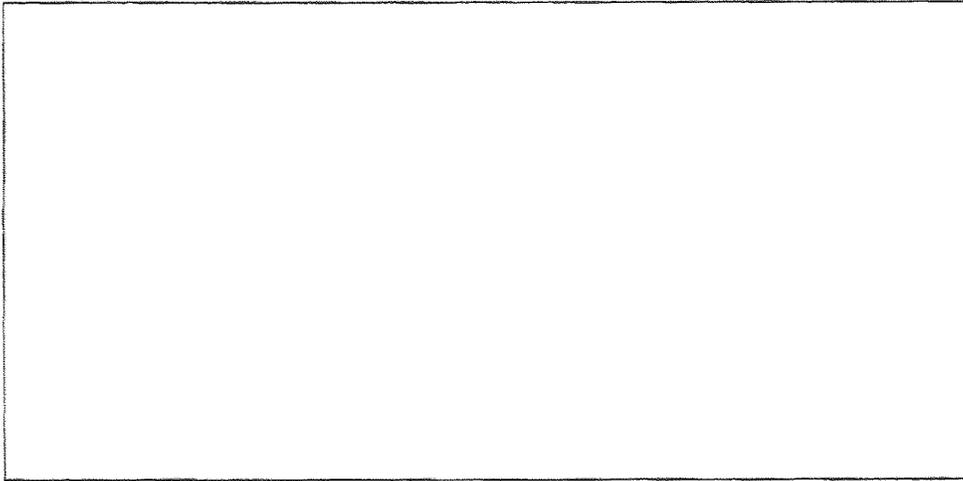
The types of in-kind support will be labor, storage and lodging.

4. If known, what buildings or facilities would the city like the contractor to focus on during the audit portion of the work? If specific known opportunities exist in any of these buildings, please list them in "additional comments" section below.

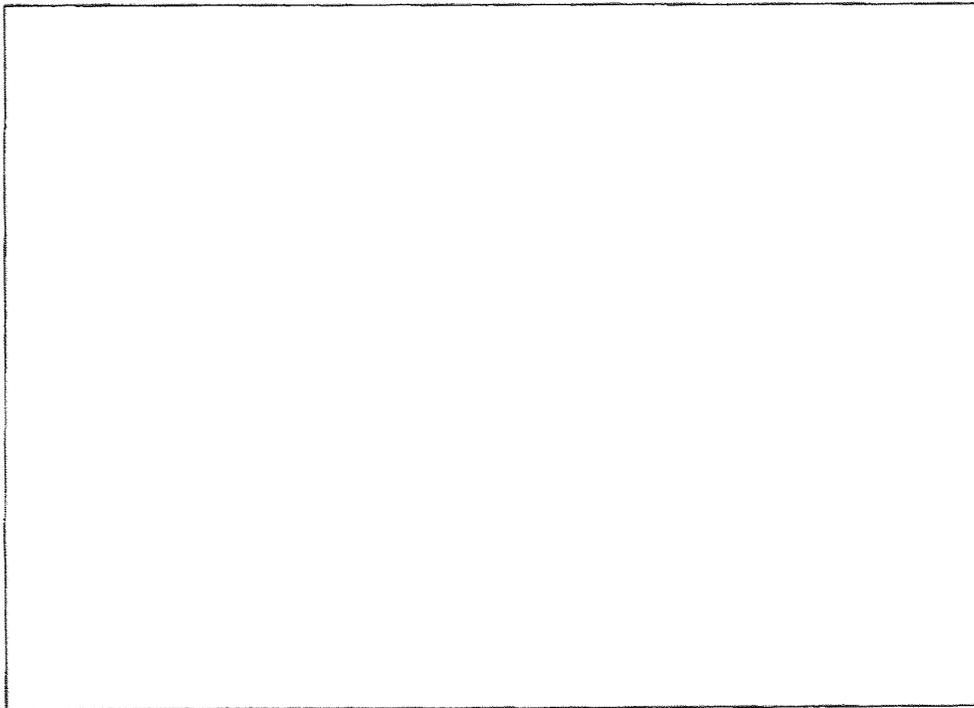
#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	City of Ruby Office Building	90 Wildberry Road	452	Select from Arrow
2.				Select from Arrow
3.				Select from Arrow
4.				Select from Arrow
5.				Select from Arrow

If additional space is needed, please list other buildings in the "Additional comments" box below.

5. Summary of Project **RUBY 10-161 (4 pages)**



6. Additional Comments





RUBY 10-161 (4 pages)

Alaska Small Cities Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Ruby

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 16,500.00
2.	City/borough matching or in-kind contributions	\$
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 16,500.00

* Identify other sources from line 3, and whether sources are confirmed or pending:

Table B: EECBG Funding Breakdown

Please budget how the EECBG funding (Table A, line 1 above) breaks down between the following categories. Please note that the energy audit cost column may not be more than 50 percent of the total.

Expense Categories	Energy Audit Costs	EEM/ECM Costs**	Total
Personnel	\$	\$	\$0
Travel	\$	\$	\$0 520.00
Materials & Supplies	\$	\$	\$0 15980.00
Equipment	\$	\$	\$0
Contractual	\$	\$	\$0
Total	\$0	\$0	\$0 16500.00

**EEM: Energy Efficiency Measure, ECM: Energy Conservation Measure; defined in EECBG Funding Announcement and Instructions document.

Budget Narrative

Please briefly describe the use of EECBG funds and any matching funds, as categorized above:

The EECBG funds will be used for travel and the rest on material + supplies to insulate the pipes and building to conserve energy.