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**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 Alakanuk

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

The city of Alakanuk commits to making staff available to coordinate with the provider to assist with planning, allowing access to buildings in a timely manner, provide transportation, housing and provide labor by employees. We also have a local electrician.

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.

City employees can help move materials, help with transportation, help implement projects. The city can provide dry storage space, pick up materials, provide lodging. City staff can help plan and coordinate.

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. | Water Plant                  | Anderson street |         | Select from Arrow |
| 2. | Sauna Laundry                | Osier street    |         | Select from Arrow |
| 3. | Police Dept.                 | Anderson street |         | Select from Arrow |
| 4. | city office                  | Osier street    |         | Select from Arrow |
| 5. |                              |                 |         | Select from Arrow |

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

6. By what date do you anticipate submitting your Request to Proceed form? \_\_\_\_\_ Example: (m/d/yyyy)

7. Does the attached budget specify that 50 % or less of the total grant funding will support the audit, and that at least 50% of grant funding will support the energy efficiency and conservation measures?

- Yes  
 No

8. Summary of Project

The City of Alakanuk has selected Option 1, opt-in technical assistance program. We will wait for technical assistance to help determine the scope of work. We are committed to provide labor, lodging, storage. We have four buildings to receive an energy audit or assessment.

1. Water plant
2. Sauna Laundry
3. Police Dept.
4. City office

9. Additional Comments

We have local labor available. We may now plan.

**Note:**

When the energy audits (Stage 1) are complete, cities must complete a Request to Proceed form and receive approval to proceed from AEA prior to initiating the Energy Efficiency and Conservation Measures. The Request to Proceed form is located on AEA's web site <http://www.akenergyauthority.org/eecbg.html>.



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

**Budget Form**

Name of City or Borough: city of Alakanuk

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$37,100.00     |
| 2.   | City/borough matching or in-kind contributions | \$              |
| 3.   | Funding from other sources*                    | \$              |
| 4.   | Estimated total project cost                   | \$037,100.00    |

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

we only have EECBG as our source. we don't have the funds for in-kind contributions. sure would be nice to acquire funding from other sources.

**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        |
| <b>Total</b>         | <b>\$03,710.00</b> | <b>\$018,550</b> | <b>\$0</b> |

\*\*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 Alakanuk will use the EECBG funds for the energy project. The EECBG funds will be managed and reported on by the City of Alakanuk. The city will provide quarterly reports.



EMMONAK 10-172 (5 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: Emmonak

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

The City will work closely with the Assigned Technician to collaborate on the most efficient use of the money. The City will provided reporting data in a timely fashion.

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.

Mayor Martin B. Moore Sr. and Melvin Gregory (Field Maintenance Supervisor for the City) will provide in kind labor to assist the Technician with building particulars.

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 opportunitis 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. | Public Safety Building       |                |         | Public Building   |
| 2. | City Complex                 |                |         | Public Building   |
| 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 **EMMONAK 10-172 (5 pages)**

The City Complex building is in need of new windows, and a new furnace. The Public Safety building is in need of a new furnace. Both furnaces are over 30 years old. The City would like to have an audit that would result in a plan for replacing the windows and furnace for optimal energy efficiency.

6. Additional Comments

The City is open to any suggestions the Technical Assistant will have.



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

**Budget Form**

Name of City or Borough: Emmonak

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$42,100        |
| 2.   | City/borough matching or in-kind contributions | \$              |
| 3.   | Funding from other sources*                    | \$              |
| 4.   | Estimated total project cost                   | \$42,100        |

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

To be determined.

**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 Emmonak has selected Option 1, opt-in technical assistance program. Therefore, we will await the service provider's technical assistance prior to determining the EECBG Funding Breakdown. The EECBG funds will be managed and reported on by the selected service provider. The City will provide the service provider timely updates of our cash and in-kind spending for each quarterly report.



**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 Goodnews Bay

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

The City of Goodnews Bay will work to the fullest extent possible to get the city building to a higher energy efficiency level, this building is in dire need of some upgrading to be energy efficient. We are looking forward to have this project come forward for the city, for this building goes to extremely cold during the winters and to extremely hot during the summers, and that makes it very uncomfortable while working in this building. We need a better workplace, and to have that project come through will make that possible.

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-kind will be provided to support the project. We have labor, storage, lodging, fourwheelers with a cart, and a truck to be provided to the fullest extent to the needs of the project.

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                    | City Lane      | 4,219   | Public Building   |
| 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

The building is old and there needs to be upgrading done to reach energy efficient levels to make this workplace more suitable and comfortable. An auditor would be great for this project. This building has a laundry mat within the building, a headstart room and it also has a room for the ARCS equipment. It serves people of this community and the improvements would benefit everyone.

6. Additional Comments

[Empty box for additional comments]



Alaska Small Cities  
Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Goodnews Bay

Table A: Full Project Budget

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 19,100       |
| 2.   | City/borough matching or in-kind contributions | \$ 1,000        |
| 3.   | Funding from other sources*                    | \$              |
| 4.   | Estimated total project cost                   | \$ 20,100       |

\* 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:

Table A: Full Project Budget, line 2- In kind will be lodging, four wheeler and cart use, labor and storage.



**KWETHLUK 10-111 (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 Kwethluk

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

The City of Kwethluk has experience in working with contractors successfully. Careful planning and coordination, whether it is with contractors, city council, or our staff, is our main goal for any project we undertake to ensure our projects are the most cost-effective and design appropriate for the public and intended use. The Administration & Finance staff of the City of Kwethluk has experience with working with outside agencies, coordination, planning, and financial reporting. We will commit to making appropriate staff available to coordinate with the selected service provider to assist with project planning, allowing access to the building in a time appropriate manner, providing local transportation and housing to the service provider.

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 City of Kwethluk will provide heated storage, lodging, transportation, gas, labor and office staff time as in-kind. The City owns a facility that is currently being used as a lodging facility for companies or individuals who need lodging while in the village. This facility has bedrooms, full kitchen, and running water which is rare in the village. We also have a Honda 4-wheeler and trailer that can be used for the project to haul materials. The City has approved the two water operators to work as laborers with the selected service provider. This will be available until the project is complete.

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. | Kwethluk Washeteria          | 11 Kwethluk Street | 1,800   | Public Building   |
| 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 **KWETHLUK 10-111 (4 pages)**

Kwethluk 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 would like these to be considered.

1. Four windows need to be replaced. The City has purchased two windows but have not been installed. Need to purchase 2 new windows.
2. Three entry doors need to be purchased and installed. Two public entry ways and one water plant emergency exit.
3. The two boilers need replacing since they have been in use since the early 1980's. We would like to replace the boilers to energy efficiency boilers.
4. The heating fan units and the Building Emergency Alarm System Panel in the water plant and washeteria need to be replaced.
5. The washeteria dryers need to be replaced. These dryers are now discontinued and the repair parts are not sold. These dryers do not produce heat but are still in use for customers. We have committed to providing in-kind services, labor, storage and lodging to the service provider for this project.

6. Additional Comments

Kwethluk, population of 764, does not have a piped water and sewer system so the washeteria is very important to our community. The washeteria gives our the public a sanitary place to wash clothing, receive potable water, and bathe.

The City of Kwethluk does not receive adequate funding or revenue to have a capital project for our facility and hopes to receive this funding.

Kwethluk has a large construction work force and we don't expect a shortage with labor. Barge shipments are generally available June through September.



**KWETHLUK 10-111 (4 pages)**

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

**Budget Form**

Name of City or Borough: City of Kwethluk

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$49,500        |
| 2.   | City/borough matching or in-kind contributions | \$4,585         |
| 3.   | Funding from other sources*                    | \$0             |
| 4.   | Estimated total project cost                   | \$54,085        |

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

n/a

**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   |
| <b>Total</b>         | \$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 EECBG funds will be managed and reported on by the selected service provider. The city will provide the service provider timely updates of our in-kind spending for each quarterly report.



LOWER KALSKAG 10-108 (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 Lower Kalskag

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

Describe job beginning to until the contract is complete.

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 city bingo was going to pay the carpenters, and labors, locally hired. Need to bring own sleeping bag.

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 4 columns: #, Name of Building or Facility, Street Address, Sq. Ft., Sector. Row 1: City of Lower Kalskag, PO Box 69, Lower Kalskag AK, Select from Arrow. Row 2: 99626, 2182 sq. Ft., Select from Arrow.

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

5. Summary of Project LOWER KALSKAG 10-108 (4 pages)

Doors needs alignment and Insulated, whether striped same with windows, under the building Insulation and Plywood, 16" width struts for Insulation, Extra for doors and windows, Need Extra light bulbs, two new monitors, bins and city side.

6. Additional Comments



LOWER KALSKAG 10-108 (4 pages)

Alaska Small Cities Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Lower Kalskag

Table A: Full Project Budget

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 20,300.00    |
| 2.   | City/borough matching or in-kind contributions | \$              |
| 3.   | Funding from other sources* <u>Bingo</u>       | \$ 2,240.00     |
| 4.   | Estimated total project cost                   | \$0 22,540.00   |

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

[Empty box for identifying other sources]

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            | \$ 3,045.00        | \$              | \$0   |
| Travel               | \$ 10,400.00       | \$              | \$0   |
| Materials & Supplies | \$ 16,215.00       | \$              | \$0   |
| Equipment            | \$                 | \$              | \$0   |
| Contractual          | \$                 | \$              | \$0   |
| Total                | \$0 20,300.00      | \$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:

Labor costs will be funded, additional fund for Home owner  
Light bulbs changed. If theirs left in the grant.



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 Mekoryuk

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

The City of Mekoryuk commits to making appropriate staff available to coordinate and work closely with the selected service provider to identify and implement the eligible projects that could be completed with the funds allocated from this grant. We will assist the contractor to ensure the grant requirements for this project are met.

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 City of Mekoryuk will provide storage space for any equipment and supplies needed for the duration of this project.

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. Row 1: City Office Building, 111 Airport Road, 1,848, Public Building. Rows 2-5: Select from Arrow.

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

## 5. Summary of Project

The City of Mekoryuk 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 and complete budget break down.

The designated service provider will assess the energy efficiency and conservation in one of our public facilities and define improvements we can make to reduce energy costs.

The proposed facility is an older building that was originally constructed to be used as a clinic for the community. It has been converted into a city office building and will require energy efficiency upgrades. The community wishes to continue to use the building as an office space for the administration of the city of Mekoryuk.

## 6. Additional Comments

Barge shipments to Mekoryuk are generally available June through September.



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

**Budget Form**

Name of City or Borough: City of Mekoryuk

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 17,800       |
| 2.   | City/borough matching or in-kind contributions | \$              |
| 3.   | Funding from other sources*                    | \$              |
| 4.   | Estimated total project cost                   | \$ 17,800       |

\* 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 of Mekoryuk has selected Option 1, opt-in technical assistance program. Therefore, we will await the service provider's technical assistance prior to determining the EECBG Funding Breakdown. The EECBG funds will be managed and reported on by the selected service provider. The City will provide the service provider timely updates of our cash and in-kind spending for each quarterly report.



# NAPAKIAK 10-184 (6 pages)

## Alaska Small Cities

### Energy Efficiency and Conservation Block Grant (EECBG)

Grant Application, ~~Option 3~~ Changed to Option 1  
(For option 3 applicants only) 5/3/10 SMS

#### Single-Stage Project: Energy Efficiency and Conservation Measures

1. Name of City or Borough: City of Napakiak

2. Please list the buildings or facilities that will receive energy efficiency and conservation measures.

| #   | Name of Building or Facility | Street Address | Sq.Ft. | Sector            |
|-----|------------------------------|----------------|--------|-------------------|
| 1.  | Napakiak Washeteria Facility |                |        | Public Building   |
| 2.  |                              |                |        | Select from Arrow |
| 3.  |                              |                |        | Select from Arrow |
| 4.  |                              |                |        | Select from Arrow |
| 5.  |                              |                |        | Select from Arrow |
| 6.  |                              |                |        | Select from Arrow |
| 7.  |                              |                |        | Select from Arrow |
| 8.  |                              |                |        | Select from Arrow |
| 9.  |                              |                |        | Select from Arrow |
| 10. |                              |                |        | Select from Arrow |

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

3. Summary of Project

Scope of work: Replace the old dryer to the reliable dryer to a double stack drying tumbler 30lbs. The old dryer will be used for parts.  
 Replace the 2 Speed Queen top loaders 12lbs to Front loader softmount washer extractor 30lbs and will be used for back up or parts.

## NAPAKIAK 10-184 (6 pages)

4. Description of the work to be conducted: *(see instructions and sample application)*

| Category  | Description of Work  |
|---|--|
| <p>a. Building Envelope<br/><i>(insulation, weather stripping, crack sealing, windows, doors, etc.)</i></p>   |  |
| <p>b. Building Heating System<br/><i>(and/or air conditioning and ventilation)</i></p>  |  |
| <p>c. Building Lighting &amp; Controls<br/><i>(indoor and outdoor)</i></p>  |  |
| <p>d. Electrical Equipment<br/><i>(motors, pumps, refrigerators, timers, controls, equipment, or any other allowable electric load retrofits)</i></p> | <p>Scope of Work; Replace the old dryer to a double stack Speed Queen dryer and also replacing 2 top loaders to 2 front load Speed Queen softmount 30lbs washer extractor.</p> |

## NAPAKIAK 10-184 (6 pages)

|   |  |
|---|--|
| e. Energy Conservation Measures ( <i>human behavior changes</i> ) | <input checked="" type="checkbox"/> Adopting workplace energy efficiency policies<br><input type="checkbox"/> Installing power strips on phantom electric loads<br><input type="checkbox"/> Posting signage reminders about turning off equipment, etc.<br><input type="checkbox"/> Other (describe):  |
| f. Other Measures   | Both washers and dryer will reduce the washeteria utility bills and save more water using the front loader washers. Front load washers use 40-70% less water and 30-85% less energy than typical top loaders. Here are the figures for the front and top loaders: 10 to 24 gallons of water vs. 40 gallons , and 120-560 kwh/yr vs.800 kwh/yr. |

5. Will all fluorescent lamps and lighting ballasts be recycled?  Yes  No  N/A

6. Will any refrigerants be generated?  Yes  No If yes, will they be recycled?  Yes  No

7. Waste Disposal: Describe your waste disposal or recycling plan for any wastes that will be generated by this project.

The Front Loaders will reduce water usage than the top loaders making more Greener for the environment and the Replaced equipment will be saved for parts.

8. Estimated Metrics for Entire Project

| a. Estimated energy saved per year: | #     | Units                          | Multiplier | kBTUs  |
|-------------------------------------|-------|--------------------------------|------------|--------|
|                                     | 1,200 | kWh electricity                | 10.3       | 12,360 |
|                                     |       | Gal. of diesel or heating fuel | 135.0      | 0      |
|                                     |       | Gal. of propane                | 91.0       | 0      |
|                                     |       | CCF of natural gas             | 100.0      | 0      |
|                                     |       | Other: _____                   |            | 0      |
|                                     |       | Total annual kBTUs saved ..... |            | 12,360 |

**NAPAKIAK 10-184 (6 pages)**

|  |  |
|--|--|
| Describe your calculation methodology:             | Sources for tables and calculations are found in the internet which describes everything that shows of using less energy using the front loaders |
| b. Estimated energy costs saved per year:          | \$ 2,000   |
| Describe your calculation methodology:             | Using the sources I found on the internet which describes the estimated energy costs saved per year.   |
| c. Estimated jobs created or retained:             | 3 FTE (Full Time Equivalents) See instructions   |
| d. Full project simple payback period calculation: | 14.3 Years   |
| e. Estimated annual kBTUs saved per grant dollar:  | 0.51286307053 kBTU/year/grant dollar savings   |

9. Additional Comments



**NAPAKIAK 10-184 (6 pages)**

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

**Budget Form**

Name of City or Borough: City of Napakiak

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 24,100       |
| 2.   | City/borough matching or in-kind contributions | \$ 4,500        |
| 3.   | Funding from other sources*                    | \$ 0            |
| 4.   | Estimated total project cost                   | \$ 28,600       |

\* 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            | \$                 | \$ 24,100        | \$ 24,100        |
| Contractual          | \$                 | \$               | \$ 0             |
| <b>Total</b>         | <b>\$ 0</b>        | <b>\$ 24,100</b> | <b>\$ 24,100</b> |

\*\*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 to purchase 2 washers and 1 double stack dryer to replace the old equipments and the matching funds will be the shipping and handling fee.



**NUNAM IQUA 10-154 (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 Nunam Iqua

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

Nunam Iqua Advisory Planning Board and the City of Nunam Iqua will provide appropriate staff to coordinate with the selected service provider. The project planning which will be overseen by the Nunam Iqua Advisory Planning Board. The City will allow access to all buildings and facilities in a time appropriate manner, provide local transportation and housing to the service provider for up to four visits. The City Administrator, City Advisor, Building Maintenance man, as well as the Power Plant and Waterplant operators will be directed to assist as needed.

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 kind Lodging at the City Hotel during visits. Hotel rate is \$75/night up to 8 nights = \$600.  
 In kind Snowmachine or ATV, sled or cart (gas and oil) as needed. Rental rate is \$50/day for snow machine or ATV + \$35/day sled or cart (up to 8 days =\$680)  
 Unheated storage place (depending on materials, city van)  
 In-kind City employee time to include:  
 Pick up and delivery of materials from the airport or barge landing to storage or on- site.  
 Waterplant operator and/or powerplant operator support up to 80 hours (\$1700)  
 Administrative Office support up to 80 hours (\$1820)

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. | Waterplant Washeteria        | 1 Washeteria Street | 4,620   | Public Building   |
| 2. | NIEC Power Plant             | 1 Docking Road      | 640     | Public Building   |
| 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.*

## NUNAM IQUA 10-154 (4 pages)

### 5. Summary of Project

Nunam Iqua has selected Option 1, opt-in technical assistance program. The service provider's technical assistance will determine the full scope of work. Anticipation is that the primary focus will be to assess, design, and implement energy efficiency measures that focus on optimizing wasteheat recovery from the City owned Nunam Iqua Electric Company's 220 KWH generator. Reducing operation and maintenance costs for the water sewer utility will be a priority.

The City of Nunam Iqua will commit in-kind support at an estimated value of \$4,800 and cash match project expenditures at 10% up to \$1,840.

### 6. Additional Comments

The Waterplant/Washeteria, constructed in 2001, has a surplus heat recovery system to supplement its diesel boiler system. A plate and frame heat exchanger transfers heat to the waterplant's hydronic heating system. Resizing and replanting the steel plates and gaskets would optimize this system and result in a decrease of diesel fuel usage.

Water production in Nunam Iqua, located at the south mouth of the Yukon river (population 207) is costly. Water treatment is accomplished using a flow-through flocculation/sedimentation/filtration method. Filtered chlorinated water is stored in a 212,000 gallon insulated water tank. Community wide water sewer, completed April, 2010, has 37 houses, four facilities, and the school on line. To cover operation and maintenance costs, residential customers are billed \$80.00/month plus \$ .05/gallon for each gallon over 600. Reducing costs by optimizing diesel fuel replacement would lower user fees. Allowing greater water usage will increase health benefits.



NUNAM IQUA 10-154 (4 pages)

Alaska Small Cities  
Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Nunam Iqua

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 18,400       |
| 2.   | City/borough matching or in-kind contributions | \$ 4,800        |
| 3.   | Funding from other sources*                    | \$ 1,840        |
| 4.   | Estimated total project cost                   | \$ 25,040       |

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

Confirmed. Funds will come from the City of Nunam Iqua Water&Sewer Capital Project Account.

**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 \$6640 of cash and in-kind contributions to access, design and implement energy efficiency measures. The EECBG funds will be managed and reported on by the selected service provider. The city will provide the service provider timely updates of our cash and in-kind spending for each quarterly report.



**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 Scammon Bay

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

The city of Scammon Bay would cooperate in any way possible. The residents of SCammon Bay are committed and is interested in improving curretn satus of buildings.

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.

Currently the city has income that comes through the stores of Scammon Bay that can assist in purchasing and rental of various equipment.

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 opportunitis 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 Scammon Bay Police department | 112 front street | 625     | Other Public Facility |
| 2. | City of Scammon Bay City office       | 111 front street | 1,120   | Public Building       |
| 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

The current status are both in need of dire improvements. Most of which is the public safety building. Both offices need attention in insulating and heating requirements that need improvement across the scale.

## 6. Additional Comments

The buildings are ok but are showing a dilapidated state but can be still useful since the public safety building is needed for coordination of police officers. We would like to improve our status as a city government.



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

**Budget Form**

Name of City or Borough: City of Scammon Bay

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 31,000       |
| 2.   | City/borough matching or in-kind contributions | \$ 7,500        |
| 3.   | Funding from other sources*                    | \$ 2,500        |
| 4.   | Estimated total project cost                   | \$ 41,000       |

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

the city sales tax can assist in purchasing tools equipment and rental of equipment

**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  |
| <b>Total</b>         | \$ 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 use would help make the building more energy efficient to stretch the current budget and following years to come.



UPPER KALSKAG 10-109 (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 Upper Kalskag

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

Provide all the information request by the contractor. buildings that are important.

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.

If need storage space, lodging, and vehicles.

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 opportunites exist in any of these buildings, please list them in "additional comments" section below.

Table with 4 columns: #, Name of Building or Facility, Street Address, Sq. Ft., Sector. Contains 5 rows of data.

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

5. Summary of Project **UPPER KALSKAG 10-109 (4 pages)**

We would like to focus on these buildings and looking forward.  
Contractor City Office,  
two trailers for rental, Heavy Equipment/Shop,AFC.

6. Additional Comments

Upper Kalskag village and City would like to be considered. In the future we might not have this resource available.



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

**Budget Form**

Name of City or Borough: City of Upper Kalskag

**Table A: Full Project Budget**

| Line | Funding Source                                 | Budgeted Amount |
|------|--|-----------------|
| 1.   | EECBG funds requested                          | \$ 19,500       |
| 2.   | City/borough matching or in-kind contributions | \$ 0            |
| 3.   | Funding from other sources*                    | \$ 0            |
| 4.   | Estimated total project cost                   | \$ 19,500       |

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

N/A

**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  |
| <b>Total</b>         | \$ 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:

With our EECBG funds we plan to make our buildings Energy Efficient by using a technical assistant program. We hope to save the city money.