



**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 Gustavus

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

The City of Gustavus appreciates this opportunity to improve the energy efficiency for the heated buildings that are under City ownership: The Gustavus City Hall, Gustavus Volunteer Fire Department Fire Hall, the Gustavus Public Library and the Gustavus Community Chest (thrift store).
The Mayor and/ or a Council Member will make our best effort to be available to meet with the appointed service provider and assist with project planning, coordinating access to the public buildings and whatever other service are within our means.

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 Mayor and/ or a Council Member will help with project planning. The City does not have a car or truck but the Mayor and/ or a Council Member can likely provide some vehicle support for the initial site visit by the service provider. The Mayor and/ or a Council Member can provide a list of local building contractors, freight service providers etc.

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.	Gustavus City Hall	1802 Gustavus Road	736	Public Building
2.	GVFD Fire Hall	1806 Gustavus Road	2,500	Other Public Facility
3.	Community Chest	Gustavus Road across from US Post Office	950	Other Public Facility
4.	Gustavus Public Library	14 Gustavus Road	2,704	Public Building
5.				Select from Arrow

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

5. Summary of Project

The principal need of this project is for the City to be able to reduce the oil consumption/ heating costs for the four buildings that the City heats on a year-round basis. Energy consumption for lighting can also be considered.

6. Additional Comments

Local contractors are generally most likely to available for work in the spring. Air freight services (small airplane) are available to the community year round. Landing craft service is available year round though may not be available December - March. State ferry service to the community, probably on a monthly basis, should be available starting in October 2010.

Detail on the four buildings that the City heats on a year-round basis:

The Gustavus City Hall is a small building with a small Toyo heating stove. The building is stick frame construction and is more than 25 years old. Two doors and seven windows. The windows and doors are probably less than 25 years old.

The GVFD Fire hall is a two story building housing 4 vehicles and a variety of support equipment, offices and a meeting area. It is foam panel construction and was built in the 80's. It has a garage addition, stick frame construction, providing for housing two of the four vehicles. The building has three large garage doors, four man doors, a number of windows and an oil furnace.

The Community Chest is an old building that was retrofitted for use as a thrift store 11 years ago. The building is heated with a small Toyo oil stove. The windows and doors are old and likely to be energy inefficient.

The Gustavus Public Library is a modern building built within the last 15 years. It is foam panel construction with an energy efficient HVAC air system and a radiant slab heating system. The library will likely need the least amount of attention but is listed as it is part of the City's infrastructure.



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

Budget Form

Name of City or Borough: City of Gustavus

Table A: Full Project Budget

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

* 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:

The EECBG funds will be managed and reported on by the selected service provider.



**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 Hydaburg

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

The City of Hydaburg will make appropriate staff available to coordinate with Alaska Energy Authority's service provider to assist with project planning, access to buildings and facilities, provide transportation & housing as needed to complete the project in a timely manner. The City will also provide up to 200 hours of general labor to assist skilled tradesmen selected by 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.

Up to 200 hours general labor by the City public works department. The City has available 36,000 cubic feet of dry unheated storage. The City will also transport materials from the barge landing to the dry storage as needed. Housing will be coordinated/provided for the service provider either in teacher housing or a local bed & breakfast. In addition, the City Administrator & Mayor will provide approximately 150 hours of time in planning, coordinating and assisting in the implementation of project. The estimated value of these in-kind donations is included 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.

#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	Municipal Building	101 8th Street Extension	3,000	Public Building
2.	Street Lights			Other Public Facility
3.	Boys & Girls Club	102 8th Street Extension	990	Public Building
4.	Fire Hall	106 8th Street Extension	1,500	Public Building
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 Hydaburg has selected Option 1, opt-in technical assistance program. The full scope of the project will be determined with the AEA's service provider's technical assistance. The City of Hydaburg is committed to providing in-kind services, housing, transportation and storage with an estimated value of \$13,110. The City has specified four facilities to receive an energy audit or assessment by the service provider:

1. Municipal Building
2. Street Lights
3. Boys & Girls Club
4. Fire Hall

6. Additional Comments

We would prefer to avoid heavy work during the months of June through August as this time period conflicts with peak fishing season. However, planning with the City administration can take place all months except August. Hydaburg does not receive regular barge service even though it is accessible by barge twelve months a year. Weekly barge service does arrive in the community of Craig, which is 42 paved miles from Hydaburg. After off-loading in Craig, freight is trucked from Craig to Hydaburg on a weekly basis. Passenger air service arrives in Hollis, Klawock and Craig. In addition, daily ferry service to Prince of Wales Island provides passenger and vehicle transportation for Hydaburg travelers to and from Ketchikan.



Alaska Small Cities
Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Hydaburg

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 23,800
2.	City/borough matching or in-kind contributions	\$ 13,110
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 36,910

* 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 \$13,110 of in-kind services to the energy efficiency project. The service provider will manager and report on EECBG funds. The City will separately account for in-kind project expenditures and provide timely quarterly reports to the service provider.



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 Klawock

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

The City of Klawock is committed to making appropriate staff available to coordinate with the selected service provider to assist with project planning, accessing of all public buildings and facilities, providing local transportation and housing to the service provider for up to four visits. All efforts will be made to have the Klawock Public Works crew assist in carrying out the implementation of energy savings measures provided by 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.

Klawock Public Works staff time, administrative staff time, storage, and transportation of materials to the selected public buildings, lodging, if desired, will also be provided to the service provider that is selected to perform the energy ratings.

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 Public Safety Building, Library, City Hall, Public Works Building, and Street Lighting.

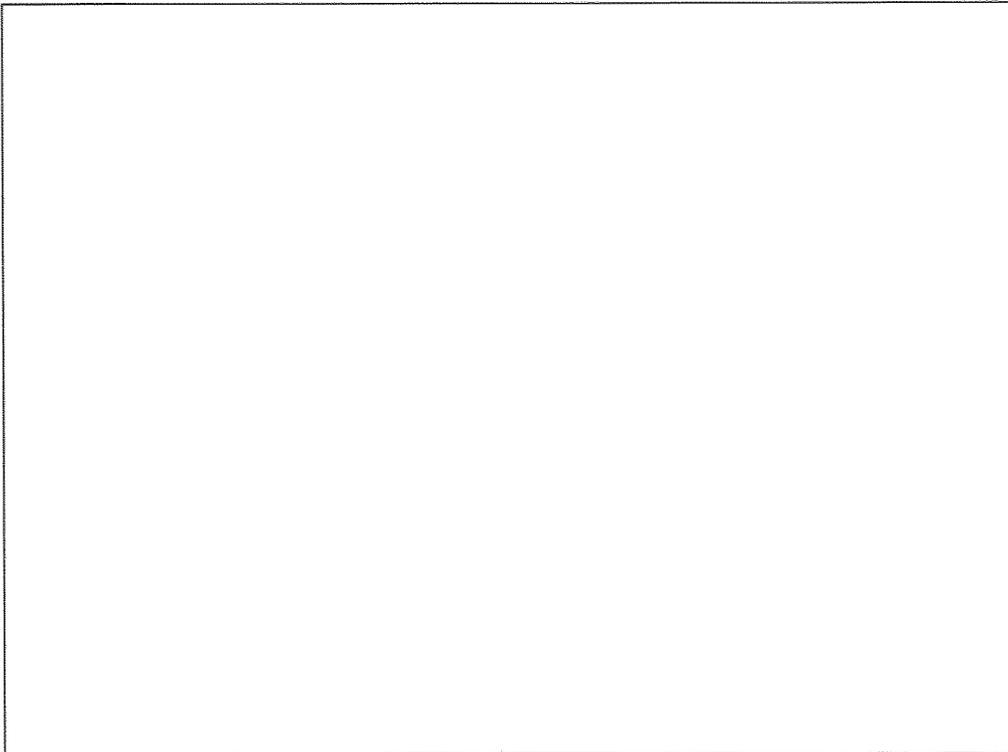
If additional space is needed, please list other buildings in the "Additional comments" box below.

5. Summary of Project **KLAWOCK 10-166 (5 pages)**

The City of Klawock 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 specified four building and street lighting to receive an energy audit or assessment by the service provider:

1. Public Safety Building
2. Library
3. City Hall
4. Public Works Building
5. Street Lighting

6. Additional Comments





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

Budget Form

Name of City or Borough: City of Klawock

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 41,700
2.	City/borough matching or in-kind contributions	\$ 10,000
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 51,700

* 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:

No budget presented as we are awaiting the scope of work from the service provider that is selected.



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

Grant Application, Option 3

(For option 3 applicants only)

Single-Stage Project: Energy Efficiency and Conservation Measures

1. Name of City or Borough: City of Pelican

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

Table with 5 columns: #, Name of Building or Facility, Street Address, Sq.Ft., Sector. Contains entries for Pelican Fire Hall Building and Pelican Public Library, followed by rows with 'Select from Arrow' in the Sector column.

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

3. Summary of Project

Summary of Project box containing text: Pelican Firehall: Replace three garage doors with three 12'x12' commercial garage doors insulated R16.03. Pelican Library: Replace three single pane windows with three insulated windows.

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

Category	Description of Work
<p>a. Building Envelope <i>(insulation, weather stripping, crack sealing, windows, doors, etc.)</i></p>	<p>Pelican Firehall: Replace three garage doors with three 12'x12' commercial garage doors insulated R16.03</p> <p>Pelican Library: Replace three single pane windows with three insulated windows</p>
<p>b. Building Heating System <i>(and/or air conditioning and ventilation)</i></p>	
<p>c. Building Lighting & Controls <i>(indoor and outdoor)</i></p>	
<p>d. Electrical Equipment <i>(motors, pumps, refrigerators, timers, controls, equipment, or any other allowable electric load retrofits)</i></p>	

<p>e. Energy Conservation Measures (<i>human behavior changes</i>)</p>	<p><input type="checkbox"/> Adopting workplace energy efficiency policies</p> <p><input type="checkbox"/> Installing power strips on phantom electric loads</p> <p><input type="checkbox"/> Posting signage reminders about turning off equipment, etc.</p> <p><input type="checkbox"/> Other (describe):</p>
<p>f. Other Measures</p>	

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.

Garage doors will be disposed of at the Pelican Landfill.
Windows will be available as surplus to the community or disposed of at the Pelican Landfill.

8. Estimated Metrics for Entire Project

a. Estimated energy saved per year:	#	Units	Multiplier	kBTUs
	7,100	kWh electricity	10.3	73,130
	177	Gal. of diesel or heating fuel	135.0	23,895
		Gal. of propane	91.0	0
		CCF of natural gas	100.0	0
		Other: _____		0
		Total annual kBTUs saved		<u>97,025</u>

Describe your calculation methodology:	<p>Annual kWh - 35,500 x 20% = 7,100 kWh savings Pelican Library: 13,470 kWh Pelican Firehall: 22,030 kWh</p> <p>Annual gallons diesel Firehall - 887 gallons x 20% = 177 gals.</p>
b. Estimated energy costs saved per year:	\$ 3,779
Describe your calculation methodology:	<p>7,100 kWh x .416301 = \$2,955.74 887 gals diesel x 4.65 = \$823.05 \$2,955.74 + \$823.05 = \$3,778.79</p>
c. Estimated jobs created or retained:	.13 FTE FTE (Full Time Equivalentents) See instructions
d. Full project simple payback period calculation:	3.86367064589 Years
e. Estimated annual kBTUs saved per grant dollar:	5.91615853658 kBTU/year/grant dollar savings

9. Additional Comments

Any additional labor necessary to complete the project will be provided by City of Pelican public works employees.

Alaska Small Cities
Energy Efficiency and Conservation Block Grants

Budget Form

Name of City or Borough: City of Pelican

Table A: Full Project Budget

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

* 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	\$	\$ 4,519	\$ 4,519
Travel	\$	\$	\$ 0
Materials & Supplies	\$	\$ 10,081	\$ 10,081
Equipment	\$	\$	\$ 0
Contractual	\$	\$	\$ 0
Total	\$ 0	\$ 14,600	\$ 14,600

**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:

EECBG funds will be used to replace commercial garage doors in the Pelican Fire Hall with greater insulated commercial doors and funds will be used to replace single pane windows with insulated windows in the Pelican Public Library.



PETERSBURG 10-104 (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 Petersburg

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

Staff from the Facilities Maintenance will work with contractor to identify possible energy-savings measures. Staff will assist the contractor and provide access to all City buildings and help in identifying any potential out-side contractors that may be necessary for the work. Staff will also assist the contractor in the local transporting and the storage of required building materials.

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.

Project manger will assist the contractor in logistics of the project, and also provide support in obtaining temporary housing in the community for the duration of the project. The City's maintenance staff will provide assistance in the transportation and storage of necessary building materials.

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.	Municipal Building / Library / Police and Fire Hall	12 South Nordic	21,645	Public Building
2.	Community Gym / Pool	105 Charles W. Street	32,900	Public Building
3.	Scow Bay Fire Hall	290 Mitkof Highway	3,825	Public Building
4.	Public Works / Motor Pool	303 South Second Street	10,400	Public Building
5.	Elderly Housing / Assisted Living	16 North Twelfth Street	56,050	Public Building

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

5. Summary of Project

PETERSBURG 10-104 (4 pages)

Petersburg 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 will provide assistance to the service provider and contractor in identifying and completing the work for an estimated value of \$131,600. We have identified four buildings or facilities to receive an energy audit from the service provider:

1. Municipal Building / Library / Police and Fire Hall
2. Community Gym / Swimming Pool
3. Scow Bay Fire Hall
4. Public Works Motor Pool
5. Elderly Housing / Assisted Living

If there are any funds remaining, or if additional funds should be made available, the Water Plant, Wastewater Plant, Municipal Power and Light, and Museum could be added to the project list.

6. Additional Comments

Two of the three local processors have announced that they will be greatly limiting their operations this year due to projected low fish returns. I would expect that this will increase the availability of temporary housing in Petersburg.



PETERSBURG 10-104 (4 pages)

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

Budget Form

Name of City or Borough: City of Petersburg

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 131,600
2.	City/borough matching or in-kind contributions	\$
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 131,600

* 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	\$	\$	\$ 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 EECBG funds will be managed and reported by the selected service provider.

**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 Tenakee Springs

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

Tenakee Springs commits to making appropriate staff available to coordinate with the selected service provider to assist with project planning, building access, transportation and housing for the service provider. The city electric manager and electrician will install and replace any electrical items, including lighting, as this will greatly diminish labor costs.

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.

100 hours of city electrician time from non grant funds.
The electrical warehouse, 200 square feet of storage.
Lodging in a local rental home for up to 5 nights for the service provider.
Pick up and storage of all materials from float plane or barge.

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.	Street lighting	East and West Tenakee Ave		Other Public Facility
2.	Pole Transformers	East and West Tenakee Ave		Other Public Facility
3.	Community Center / City Office	707 West Tenakee Ave	2,874	Public Building
4.	Fire Hall	Tenakee Ave and D Street	1,200	Public Building
5.	Health Clinic	Tenakee Ave and D Street	638	Public Building

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

TENAKEE SPRINGS 10-148 (4 pages)

5. Summary of Project

Tenakee Springs would like the service providers technician to determine the full scope of all work to be completed.
We would like to concentrate especially on street lighting and electrical distribution efficiency and secondly on the general efficiency in heating and lighting community facilities.

6. Additional Comments

Spring is the best time for the work to be done as the weather is better and the local workforce has not yet begun fishing. Our main supplies come by AML Barge and the first for the season is in April with the other three in June, August and October. Work by the service providers' representative could be done more efficiently in September-October or in April-May as travel to Tenakee Springs and access to facilities can be greatly diminished in the winter months.



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

Budget Form

Name of City or Borough: City of Tenakee Springs

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 14,000
2.	City/borough matching or in-kind contributions	\$ 3,500
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 17,500

* 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 EECBG funds breakdown will be done after the audit.



THORNE BAY 10-101 (3 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 Thorne Bay

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

Thorne Bay commits to making appropriate staff available to coordinate with the selected service provider to assist with project planning, allowing access to all buildings and facilities in a time appropriate manner, providing local transportation and housing to the service provider for up to four visits, and providing up to 200 hours of labor by our city public works and administrative staff.

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.

Two hundred (200) hours of city staff and community volunteer time in planning, coordinating, moving materials, helping with transportation, and helping implement determined projects. The City can provide up to 600 square feet of heated, dry storage space, and will pick up materials from the airport or barge dock upon arrival. The City will provide lodging, if desired, for the service provider either in a community member's home or local B & B / lodge (depending on season). The approximate value of these in-kind donations 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.

#	Name of Building or Facility	Street Address	Sq. Ft.	Sector
1.	Street lighting	throughout town		Other Public Facility
2.	City Hall	120 Freeman Dr.	2,592	Public Building
3.	Water Treatment Plant	NHN Sandy Beach Rd.	957	Public Building
4.	Wastewater Treatment Plant	NHN Shoreline Dr.	2,184	Public Building
5.				Select from Arrow

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

5. Summary of Project

Thorne Bay 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 \$10,000. We have specified four buildings or facilities receive an energy audit or assessment by the service provider, with the primary focus to be on retrofitting existing street lighting infrastructure with higher output / more efficient bulbs:

1. Street lighting through town
2. City Hall
3. Water Treatment Plant
4. Wastewater Treatment Plant

6. Additional Comments

Thorne Bay has approximately 60 street lights throughout town that it pays monthly electrical charges from the Alaska Power Company. Total monthly charges range between \$300 to \$1,500. This variability is an indication that energy conservation measure (ECM) opportunities in this area are abundant.

Representative monthly APC Bills:

01/03/2008 TB0270 Alaska Power Company - Street Lights - \$696.78
04/30/2009 TB0270 Alaska Power Company - Street Lights - \$466.74
05/11/2007 TB0270 Alaska Power Company - Street Lights - \$1,548.92
07/24/2007 TB0270 Alaska Power Company - Street Lights - \$313.62
09/29/2009 TB0270 Alaska Power Company - Street Lights - \$495.75
10/22/2007 TB0270 Alaska Power Company - Street Lights - \$505.40
12/28/2009 TB0270 Alaska Power Company - Street Lights - \$691.99
Average / month - \$674.17

Additionally, the Southeast Island School District - Thorne Bay School complex is ~ 30,000 square feet and has made substantial progress in pursuing ECMs (wood-fired boiler vs. traditional fuel oil, education, occupancy sensors etc.).

Furthermore, the USFS - Thorne Bay Ranger District maintains an additional 20+ units of exterior lighting on its roadways and paths throughout their administrative and residential complex. Ameresco Federal Solutions has already provided ECM recommendations for their facilities and District Ranger Jason Anderson is actively pursuing funding for implementation / upgrades.

The City of Thorne Bay is the only public entity in the municipal boundary that has yet to adequately pursue ECMs to achieve cost-savings and decrease energy consumption. Thorne Bay staff is available to assist at any time year-round.



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

Budget Form

Name of City or Borough: City of Thorne Bay

Table A: Full Project Budget

Line	Funding Source	Budgeted Amount
1.	EECBG funds requested	\$ 27,800
2.	City/borough matching or in-kind contributions	\$ 10,000
3.	Funding from other sources*	\$
4.	Estimated total project cost	\$ 37,800

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

The City is applying for a Rural Community Action Program (RurAL CAP) "Energy Wise" AmeriCorps/VISTA grant to have two local youth provide cost-effective ECM services and energy-efficient products to residents who qualify under the Low-Income Home Energy Assistance Program (LIHEAP) and who may be available to assist with the EECBG project.

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:

Not Applicable due to Option 1 criteria.