Financial Assistance Award

DENALI COMMISSION
510 L Street, Suite 410
Anchorage, Alaska 99501
(907) 271-1414 (phone)
(907) 271-1415 (fax)
www.denali.gov

Award Number	01484-02
Award Title	START Communities Technical Assistance
Performance Period	November 1, 2015 through June 30, 2022

Authority
112 Stat 1854

CFDA Number
90.100

Recipient Organization & Address

Alaska Native Tribal Health Consortium Inc.
4000 Ambassador Dr
Alaska Native Tribal Health Constorium

Phone: 907-729-2923
Recipient DUNS # 071375658 **TIN #** 920162721

Denali Commission Finance Officer Certification

Cost Share Distribution Table

Accounting Code	New Funding		Prior Period Funding		Total
	Denali Commission	Other Contributors	Denali Commission	Other Contributors	
95670000	$0.00		$375,000.00		**$375,000.00**
	$0.00		$0.00		**$0.00**
	$0.00		$0.00		**$0.00**
	$0.00		$0.00		**$0.00**
	$0.00		$0.00		**$0.00**
		$0.00		$0.00	**$0.00**
		$0.00		$0.00	**$0.00**
		$0.00		$0.00	**$0.00**
		$0.00		$0.00	**$0.00**
		$0.00		$0.00	**$0.00**
Total	**$0.00**	**$0.00**	**$375,000.00**	**$0.00**	**$375,000.00**

This Financial Assistance Award approved by the Federal Co-Chair of the Denali Commission constitutes an obligation of federal funding.

Signature of Authorized Official - Denali Commission	Typed Name and Title	Date
Electronically Signed	Mr. Jay Farmwald Director of Programs	09/26/2017

Rev: 05/2008

AWARD ATTACHMENTS

Alaska Native Tribal Health Consortium Inc. 01484-02

1. Terms and Conditions
2. Budget and Funding Summary
3. Attachment B - Workplan
4. Attachment B - Workplan Budget

Financial Assistance Award 1484
Between the Denali Commission and Alaska Native Tribal Health Consortium
For START Communities Technical Assistance
Amendment 2
September 7, 2017

All changes to the award conditions are noted below.

1. Replace Attachment A in the original Award with Attachment B entitled *Start Communities Technical Assistance Workplan* dated 25 July 2017 and the revised *Budget and Funding Summary* dated 7 September 2017.

2. Add the following, which was previously in Attachment A, to Section 14 - Special Provisions.

   "ANTHC agrees to cooperate and collaborate with the Denali Commission during the project, and understands that the Commission will be substantially involved in implementing the project. Specifically, the Commission will participate in, and/or provide direct assistance during the project related to selecting the communities assigned to ANTHC, data collection, and review of draft energy plans."

3. Extend the performance period to June 30, 2022.

4. Key Milestones are summarized below.

   - Complete Phase 1 – Strategic Energy Plans, July 2018
   - Complete Phase 2 – Development Projects and Reports, October 2019
   - Complete Phase 3 – Final Program Evaluation and Technical Assistance, June 2022

There are no other changes to the original Financial Assistance Award, as amended.

7 September 2017

FAA to ANTHC for START Communities Technical Assistance
Budget and Funding Summary
Award #1484 - Amendment 2

BUDGET[a]			
Line	Item	Amount	Basis/Notes
1	Phase 1		
2	Data Reports-Community Profiles	$500	5 hours @ $100/hour[b]
3	Develop Community Energy Plans	$64,050	Lead 3 energy plans @ ~$14k/plan, support on 2 plans @ ~$7k/plan, and advisory on 5 plans @ ~$4K/plan
4	Project Management	$10,500	105 hours @ $100/hour
6	**Subtotal**	**$75,050**	
7	Indirect Costs[c]	$19,288	25.7% of lines 2 - 4
8	**Phase Total**	**$94,338**	
9	Phase 2 and 3		
10	Implementation Projects, Community Reports, Technical Assistance	$280,662	To be determined by needs identified in Strategic Energy Plans and funding constraints.
11	**Total**	**$375,000**	

a. The overall budget is included with Attachment B,the workplan dated July 25, 2017.
b. Hourly labor rate includes pool labor costs.
c. ANTHC has a federally negotiated indirect rate of 25.7% dated November 8, 2016 from the US Department of Health and Human Services

FUNDING			
Line	Source	Amount	Notes
12	Denali Commission	$375,000	Initial Award
13	**Total**	**$375,000**	

Attachment B
Denali Commission Evaluation of START 1 & 2
START COMMUNITIES TECHNICAL ASSISTANCE WORK PLAN
July 25, 2017

Goal

Empower rural Alaska communities to develop and maintain affordable, efficient, and reliable energy systems.

Objectives

- Use the process detailed in the June 2015 Strategic Energy Planning guide and take up to two years to gather data, process data, and develop energy plans for the START 1 and 2 communities.
- Evaluate the effectiveness of the guide throughout the planning process by assessing the ease of delivery, access and availability of data, and the ability of the guide to bring communities to a reasonable and actionable list of prioritized infrastructure and non-infrastructure projects
- Provide meaningful project development to forward one or more priority projects identified during the planning process in each of the communities.
- Maintain annual communication with each community to update their strategic energy plan for up to three years.
- Confirm the data sets sought in the 2015 Strategic Energy Planning Guide are necessary and complete. It is conceived that after this effort is completed, the subsequently modified guide would be transformed to an electronic platform.

Background

In December 2011, the US Department of Energy, Office of Indian Energy (DOE) in partnership with the Denali Commission (DC) announced the Alaska Strategic Technical Assistance Response Team (START) program. These two agencies were the funding sources for the program. From 2011 through 2014, two rounds of assistance were provided (START 1 and START 2) to ten Alaska Native village tribal governments. (A subsequent third round was conducted but the Denali Commission did not participate.)

The START 1 and 2 recipients were:

	Community	Utility
Round 1	Arctic Village	Arctic Village Electric Co
	Venetie	Venetie Village Electric
	Kake	IPEC
	Teller	AVEC
	Quinhagak	AVEC
Round 2	Koyukuk	City of Koyukuk
	Shishmaref	AVEC
	Yakutat	AVEC
	Minto	AVEC
	Kongiganak	Puvurnaq Power Co

With a budget allocation of approximately $100,000-$200,000 per village, START 1 grantees received site visits from the START team, facilitation of community-wide meetings, an energy fair or other educational function, assistance prioritizing and selecting projects, technical assistance, and grant writing assistance. START 2 grantees received a similar per village initial allocation for these activities, plus a $250,000 "set-aside" grant from US Department of Energy Tribal Energy Program (TEP), to be used for energy efficiency and/or renewable energy projects for tribally owned or leased buildings. Technical assistance included such activities as: assessing renewable energy resource potential, installing pre-paid electric meters, helping a community gather and document power generation activities to qualify for Power Cost Equalization (PCE), and repairing incorrectly wired electric meters.

Although there were some successes with the START 1 and 2 programs, insufficient time was allotted for data gathering, data analysis, and strategic energy plan development. Consequently, the DC issued Grant Awards to our program partners the Alaska Energy Authority (AEA), Alaska Native Tribal Health Consortium (ANTHC), and the Alaska Village Electrical Cooperative (AVEC) in the amount of $375,000 each to provide additional technical assistance to the START 1 and 2 communities as described in the work plan below.

Work Plan

Technical assistance will include intensive data collection and analysis, on-site workshop(s) in the community and provide technical assistance to support development of selected projects, and ongoing work with the community to train local "energy champions" and implement energy and cost savings initiatives.

AEA will be the lead organization for developing the Strategic Energy Plans for seven of the communities and ANTHC will be the lead on three communities (Quinhagak, Kongiganak, and Venetie). AVEC will provide data and support for those communities where AVEC is the community's utility.

Division of Work Effort

Partner	**Existing Data Collection**	**Develop Strategic Energy Plans**	**Project Development[1]**	**Community Final Report[2]**
Arctic Village	Lead: AEA Support: ANTHC	Lead: AEA Support: ANTHC	TBD	TBD
Kake	Lead: AEA Support: ANTHC	Lead: AEA Support: ANTHC	TBD	TBD
Koyukuk	Lead: AEA Support: ANTHC	Lead: AEA Support: ANTHC	TBD	TBD
Minto	Lead: AEA Support: AVEC	Lead: AEA Support: AVEC	TBD	TBD
Shishmaref	Lead: AEA Support: AVEC	Lead: AEA Support: AVEC	TBD	TBD
Teller	Lead: AEA Support: AVEC	Lead: AEA Support: AVEC	TBD	TBD

Partner	Existing Data Collection	Develop Strategic Energy Plans	Project Development[1]	Community Final Report[2]
Yakutat	Lead: AEA Support: AVEC	Lead: AEA Support: AVEC	TBD	TBD
Kongiganak	Lead: ANTHC Support: AEA	Lead: ANTHC Support: AEA	TBD	TBD
Quinhagak	Lead: ANTHC Support: AVEC	Lead: ANTHC Support: AVEC	TBD	TBD
Venetie	Lead: ANTHC Support: AEA	Lead: ANTHC Support: AEA	TBD	TBD

Notes:

1. Project development would be led by the entity with the appropriate knowledge and skills for the development activities identified in the strategic energy plan
2. The final report for the community would be done by the lead entity responsible for project development

Phase 1: Strategic Energy Plan Development

a. **Organize**

The communities will be contacted to determine their interest in participating in this planning and implementation effort. Communities will be asked about any existing plans or previous energy planning experience to minimize duplication of existing work and to solicit input from the community about their perception of the relative usefulness of past planning efforts. It's anticipated that most of the communities will want planning assistance. However, some of the communities may have adequate energy plans in place that they are using successfully to develop and maintain affordable, efficient, and reliable energy systems. A community must participate in the Strategic Energy Planning process to receive funds for project development support.

Identify and convene stakeholders including, where applicable, regional organizations and the recipients of the DOE FY2016 "Establishment of an Inter-tribal Technical Assistance Energy Providers Network" grants. Establish a community leadership team. Develop a plan for stakeholder involvement.

b. **Gather Information**

AEA and ANTHC, with assistance from AVEC, where appropriate, will coordinate and standardize the data to be collected. Collect other existing information like feasibility studies, energy audits, or reports produced by DC, AHFC, ANTHC, AEA, AVEC, NREL, USDA, and others. Collect existing energy related data (historical energy use and projected demand) that are not available from public databases from the power utility, schools, and water and sewer system. Ensure that these are entered into publicly available databases, such as the Alaska Energy Data Inventory and the Alaska Energy Data Gateway.

An entity familiar with state energy databases and with the ability to effectively and efficiently develop web-accessible data analytics will be contracted by AEA to code and automate data collection from the Alaska Energy Data Gateway (AEDG), Alaska Energy Data Inventory, and other public databases. Two products will be delivered from this contract. One deliverable will be a snapshot of community energy use, as shown in the community energy profiles in the Strategic Energy Planning Guide for Rural Alaska

Communities. The other deliverable will be a more comprehensive and analytic visualization of data trends available through the AEDG. The two deliverables will assist communities and program participants to systematically and efficiently collect and analyze publicly available data, as well as indicate where additional data needs to be collected, in order to fill out the Strategic Energy Planning Guide.

The Alaska Affordable Energy Model (AAEM) will be used as the means of providing the reconnaissance-level economic analysis of potential project types. The AAEM is a reconnaissance-level analysis of energy projects that could reduce the cost of energy in communities that was developed as part of the Alaska Affordable Energy Strategy. The model results can be found at: http://model-results.akenergyinventory.org/current/. A new report may be developed to condense and simplify the data, if it is found to be warranted.

c. **Pre-site visit preparation**

Prior to the site visit, preparation will be done to ensure that the time is spent as efficiently as possible. AEA and ANTHC, with assistance from AVEC, where appropriate, will coordinate and standardize the data, information, identification of information that will be sought (over time), and workshop materials. Workshop materials will be developed that can be used for all communities that will assist in guiding the community through the energy planning process. The materials will be tailored for each community.

All data that has been gathered for the community will be sent to the community beforehand in order for the information to be updated by the community.

d. **Site visit**

Site visits will be organized for each START community. Community site visits shall include community meetings, tribal meetings, building inventories, and qualitative walk-through audits and building inspections. It is expected that at least two people will travel to the community for two days.

i. **Provide training for community members to participate in data collection**

ii. **Interpret Data**

Help the community analyze the information in the energy profile and energy trends analysis. Summarize the results for community review.

iii. **Facilitate a Community Dialogue**

Review the Energy Profile with the community. Guide the community through a public process to assess their strengths and weaknesses and to create an actionable community energy vision and goals.

iv. **Develop Strategy Considerations**

Assist the community in developing approaches that will help them achieve their energy goals.

v. **Project Prioritization**

Facilitate the development of a ranking system with the community so they can develop a prioritized list of projects to pursue.

e. **Compile the Plan**

Assist the community in assembling the Strategic Energy Plan and work with the community to develop next steps to put the plan into action.

f. **Incremental evaluation and improvement**

After each site visit and Strategic Energy Plan, project partners will perform an informal evaluation to make adjustments and improvements to the Phase processes.

g. **Begin working on evaluation by independent third party.**

Phase 2: Project development and increase local capacity

a. Provide project development technical assistance, for example:

   i. Identify where energy audits may be necessary, and complete, if funding is available. Audits will include implementation recommendations.

   ii. Provide Training Plans for relevant facility/community staff.

   iii. Perform material take-offs for small projects. For example: projects that the community could implement with local labor like LED lighting, setback thermostats, and building envelope upgrades.

   iv. Provide pre-feasibility screening studies where possible (e.g. a hydro feasibility study is clearly out of scope but a pre-feasibility level analysis for a biomass or heat recovery project is reasonable).

   v. Project Proposals: Get projects ready for funding (if a project is feasible and desired by the community, help community to prepare projects for funding by preparing proposals, developing budgets, preliminary equipment selection, etc.)

b. Increase local capacity – assess and address utility PCE reporting deficiencies, rate setting, operator training, energy efficiency outreach, how to search for funding, preparing yourself for funding (SAM, DUNS, EERE-PMC [the DOE's EERE Project Management Center reporting website], etc.), provide assistance to understand the "business aspect" of energy projects in communities

c. Continue working on third party evaluation.

Phase 3

a. Final program evaluation to be completed by an independent third party. Outcomes will include a qualitative evaluation of the effectiveness of the Strategic Energy Plan and any suggested changes to the planning document and/or process.
b. Continuing technical assistance for project development and updating the Strategic Energy Plan in the communities for up to three years.

Deliverables

a. Phase 1: A completed Strategic Energy Plan for each community to be completed by the lead organization for the community
b. Phase 2: A final report for each community detailing the activities performed, site visit information, project and activity priorities, and link START Program objectives to outcomes (energy and/or cost savings, jobs created, etc.). To be completed by lead organization for project development/implementation.
c. Phase 3: A final report for the overall program detailing the use and effectiveness of the strategic planning guide with recommendations for any modifications or improvements to the process.

Budget:

See attached spreadsheet dated 25 July 2017.

Schedule:

	Start	Finish
Phase 1		
Data reports/community profiles	September 2017	November 2017
Existing data collection	September 2017	December 2017
Community outreach	September 2017	February 2018
Site visits & Strategic Energy Plans	February 2018	July 2018
Phase 2		
Develop Phase 2 grant	July 2018	
Project Development	August 2018	June 2019
Final community reports	July 2019	October 2019
Phase 3		
Final program evaluation	October 2019	December 2019
Continued TA for communities	June 2019	June 2022

Attachment B

START Workplan Planning Level Budget

July 25, 2017

		AEA	ANTHC	AVEC	Independent Evaluator	Total	*Cost estimate for Lead per community*	*Cost estimate for Support per community*	*Cost estimate for Advisory per community*
Number of communities as lead		*7*	*3*			*10*			
Number of communities as support		*3*	*2*	*5*		*10*	***All cost estimates based on fully loaded rate of $100/hr***		
Number of communities as advisory			*5*						
Phase 1									
Data reports--community profiles									
	Visualization development (includes sub-award to GINA for technical assistance and coding)	$30,000				$30,000			
	Project management & feedback	$5,000	$500	$2,500		$8,000			
Develop community energy plans									
1. Pre-site visit work									
a. Organize	Evaluate current planning								
	Research plans, talk with community leaders	$15,500	$7,000	$2,500		$25,000			
	Coordinate with regional organizations						*$2,000*	*$500*	$250
b. Stakeholder engagement plan	Phone calls, emails, teleconferences	$8,500	$5,250	$2,500		$16,250	*$1,000*	*$500*	$250
c. Other data collection		$10,200	$6,050	$3,000		$19,250	*$1,200*	*$600*	$300
d. Prep for workshops		$24,000	$12,250	$5,000		$41,250	*$3,000*	*$1,000*	$500
2. Site visit	2 people, 2 days [travel, time]	$40,000	$21,250	$20,000		$81,250	*$4,000*	*$4,000*	$2,000
3. Post-visit	Write Strategic Energy Plans	$22,500	$11,250	$2,500		$36,250	*$3,000*	*$500*	$250
4. Data storage	Upload new data to publicly available databases [may include sub-awards for database coding]	$25,000							
5. Program evaluation (phases 1-3)	Program evaluation	$2,000	$1,000	$500	$50,000	$53,500	*Evaluator will be an AVEC term Contractor*		
Phase 1 Total for Activities		**$182,700**	**$64,550**	**$38,500**	**$50,000**	**$310,750**			
Other Phase 1 expenses									
Project management		$17,000	$10,500	$5,000		$32,500	*$2,000*	*$1,000*	$500
Indirect costs	[based on Phase 1 Activities and indirect rates]	$19,470	$19,288	$6,850		$45,608			
Other expenses Total		**$36,470**	**$29,788**	**$11,850**		**$78,108**			
Phase 1 Total		**$219,170**	**$94,338**	**$100,350**	**$50,000**	**$388,858**			
Phase 2									
	Projects	*To be determined by needs identified in Strategic Energy Plans and funding constraints*				$626,142	*Project amount is calculation of leftover funds from other activities*		
	Local hire/training								
	Community reports					$50,000	*Assume $5k/report*		
Phase 2 Total		TBD	TBD	TBD		$676,142			
Phase 3									
	Three years of technical assistance	TBD	TBD	TBD		$60,000	*Assume $20k/year*		
Phase 3 Total		**TBD**	**TBD**	**TBD**		**$60,000**			
Total		**TBD**	**TBD**	**TBD**		**$1,125,000**			