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 Department of Labor & Workforce Development
 Division of Business Partnerships
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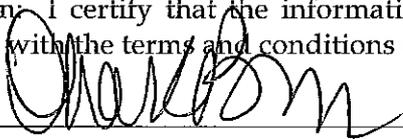
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## Denali Training Fund Program Quarterly Progress Report

Funds for this project are provided by the Denali Commission and the USDOL and managed, in partnership, by the Alaska Department of Labor and Workforce Development.

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| Name of Organization: | Chaninik Wind Group / 10-205                                    |
| Name of Project:      | Wind Turbine Construction, Maintenance, and Electrical Upgrades |
| Reporting Period:     | 10/1/10- 12/31/10                                               |
| Contact Name:         | Ona Brause                                                      |
| Contact Number:       | (907) 770-6367                                                  |

Certification: I certify that the information in this report is current, correct and true and in accordance with the terms and conditions of the agreement.

Signed by:  Dated 1/14/11

The performance of this grant will be based upon the success achieved in relation to the goals established and approved by the Alaska Department of Labor, and will be reported in the Grantee's quarterly progress reports. Specific goals and objectives for this project are:

The Chaninik Wind Group a coalition comprised of four villages on the Lower Kuskokwim is dedicated to improving their quality of life by increasing their energy independence and efficiently and providing jobs for local residents. The Chaninik Wind Group has acquired funding for high penetration wind turbines through the State of Alaska DCCED via the capital budget, as well as grants from the newly established Renewable Energy Fund. The Kuskokwim region lacks local utility workers required to construct, maintain and optimize efficiency of a new wind system.

Puvurna Power Co (Kongiganak), Tuntutuliak Community Services Association, Kwigillingok Power Company, and Kipnuk Light Plant will partner with Yuut Elitnaurviat to coordinate the training. Training will include wind turbine construction provided onsite in Kongiganak, followed by Electrical Academy at Yuut, Woodward EasYGen power management control onsite in each village and meter base and thermal stove installation and repair onsite in each village.

Trainees will already be employed by or known to power plant administrators, who will recommend them for the training and then hire them to work on construction, installation, or maintenance wind turbine projects in each of the four villages.

|                                                  |
|--------------------------------------------------|
| <b>TARGET POPULATION:</b> <b>24 participants</b> |
|--------------------------------------------------|

Participants served to date: 16

|                                               |
|-----------------------------------------------|
| <b>GOALS/OBJECTIVES ACCOMPLISHED TO DATE:</b> |
|-----------------------------------------------|

|                                                                                                    |
|----------------------------------------------------------------------------------------------------|
| Please provide the status of each objective. Enter the number competed to date in the table below. |
|----------------------------------------------------------------------------------------------------|

**Goal 1:**        **Train rural residents in the wind turbine construction, maintenance, and operations for the villages of Kongiganak, Tuntutuliak, Kwigillingok and Kipnuk increasing their energy independence and efficiency and access to jobs.**

**Objective 1.1**    12 participants will earn OSHA 10 hour Construction Safety Card, Competent Climber Certification and CPR/First Aide/AED Certification. This training has yet to be scheduled to due availability of trainers and equipment but should be completed before end of 1<sup>st</sup> Quarter, 2011.

**Objective 1.2**    12 participants will earn NCCER Level 1 Electrical certification. Plans are still being made for the location and instructor of this training. Participants and scope being re-evaluated.

**Objective 1.3**    12 participants will complete the John Deere and EasYGen Power Management certification. Woodward EasYGen component and diesel generator system overview completed as of 12/31/10 with 13 participants.

**Objective 1.4**    8 participants will complete nacelle construction and maintenance training. Nacelle construction and maintenance completed with 7 participants.

**Objective 1.5**    16 participants will complete meter base and thermal stove installation and repair. Training scheduled for 1<sup>st</sup> quarter, 2011.

**Objective 1.6:**    24 participants will be employed on the wind turbine projects in the villages of Kongiganak, Tuntutuliak, Kwigillingok and/or Kipnuk. On-going.

| Goals & Obj. |   | Outcome                                                                                                                             | Number to be Completed | # Completed to Date | Documentation                                       |
|--------------|---|-------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------------------|-----------------------------------------------------|
| 1            | 1 | Participants will earn OSHA 10 hour Construction Safety Card, Competent Climber Certification and CPR/First Aide/AED Certification. | 12                     | 9 (climbers only)   | Maintain copies of completion certificates on file. |
|              | 2 | Participants will earn NCCER Level 1 Electrical certification.                                                                      | 12                     | 0                   | Maintain copies of completion certificates on file. |
|              | 3 | Participants will complete the John Deere GenSet/EasYGen Power Management certification.                                            | 13                     | 13                  | Maintain copies of completion certificates on file. |
|              | 4 | Participants will complete nacelle construction and maintenance training.                                                           | 8                      | 7                   | Maintain copies of completion certificates on file. |
|              | 5 | Participants will complete meter base and thermal stove installation and repair.                                                    | 16                     | 0                   | Maintain copies of completion certificates on file. |
|              | 6 | Participants will be employed on the wind turbine projects in the villages of Kongiganak, Tuntutuliak, Kwigillingok and Kipnuk.     | 24                     | 14                  | Maintain letter of employment on file.              |

**NARRATIVE OF SERVICES:**

Provide a brief narrative of services provided this quarter by applicable Goal/Objective as listed above.

13 Clients from four villages completed comprehensive two day training from a highly qualified Control Systems Manufacturer, Woodward, engineer. This was accomplished onsite at each village facility to ensure hands-on practical knowledge was provided along with the technical content. (Objective 1.3)

13 Clients from four villages complete diesel generator systems overview and training. This was accomplished onsite at each village facility to ensure hands-on practical knowledge was provided along with the technical content. (Objective 1.3)

4 Clients in the village of Kongiganak received training on operations and maintenance of Windmatic Turbines operating on their electric utility grid. (Objective 1.4)

**ACCOMPLISHMENTS: SUCCESS STORIES:**

Provide a narrative of participant successes resulting from participation in your program. Please include photos.

13 students completed on-site training in diesel power management systems. Training was provided by certified Woodward EasYGEN engineer at each power facility. Students were provided formal lecture style content in general electrical theory, management system integration and Woodward products. Practical training in the use of the controls in their village's power plant was accomplished and included: setup, tuning, troubleshooting and maintenance.

13 students completed on-site training in operations and maintenance of diesel engine systems. This included: engine cooling, crankcase breather, fuel, and other ancillary engine systems.

This was some of the first comprehensive training for operators in these villages. Operators felt more competent after the training with the operations and maintenance of their systems. Managers saw immediate improvements in the efficiency of operations in their facilities as a direct result of the hands-on work accomplished by trainers and trainees.

4 Technicians received training in the operations of large scale, high penetration, and wind turbines in their village. Training built capacity at the local level so THEY can be the primary operators and technicians maintaining a very high-tech wind diesel system for their community.

[Photos of classroom setting and operations settings included in hardcopy and disc.]

**PLANNED ACTIVITIES FOR NEXT REPORTING PERIOD:**

Describe the grant activities you expect to complete during the next quarter.

John Deere Engine training will be accomplished January 2011. Course developed directly with manufacturer's representative here in Alaska and around John Deere specifications for operations and maintenance.

Airstreams Wind Turbine Technician Safety and Technical Course to be completed 1st quarter, 2011. Course developed around National Industry standards with specific attention to our Alaskan workforce and site infrastructure needs.

Meter base and stove installation and repair are contingent upon arrival of materials (stoves and meters) and some necessary software development that will accompany accurate installation of parts. If materials and software are not delivered on time, the meter base/stove installation will be completed in 1<sup>st</sup> quarter of 2011.

**ON TIME AND ON BUDGET:**

Are the grant activities progressing as planned? Are you within your budget? If not, what is the cause? What is the solution? How can we help?

Major grant activities that were previously delayed are now on schedule for project completion 1<sup>st</sup> quarter 2011. Current time-table is being actualized. Quality instructors have been determined, appropriate courseware has been developed and put in place, participants selected and logistical concerns like local housing have been solved.

We have had no budget problems.

**DEMOGRAPHIC DATA:**

List the number of trainees by their home community, the type of training, certification, training date, graduation date, and who will employ them upon completion of training this quarter.

| Number of Trainees | Home Community | Type of Training           | Type of Certification                          | Training Dates | Graduation Date | Commitment for employment after training        |
|--------------------|----------------|----------------------------|------------------------------------------------|----------------|-----------------|-------------------------------------------------|
| 4                  | Tuntutuliak    | Diesel Power Management    | Manufacturers Certificate Completion           | 12.13 - 12.15  | 12.15           | Local utility hire for diesel/ wind system work |
| 5                  | Kongiganak     | Diesel Power Management    | Manufacturers Certificate Completion           | 12.17 - 12.19  | 12.19           | Local utility hire for diesel/ wind system work |
| 3                  | Kwigillingok   | Diesel Power Management    | Manufacturers Certificate Completion           | 12.15 - 12.17  | 12.17           | Local utility hire for diesel/ wind system work |
| 1                  | Bethel         | Diesel Power Management    | Manufacturers Certificate Completion           | 12.13 - 12.9   | 12.19           | Local hire for engineering and development firm |
| 4                  | Tuntutuliak    | Diesel Systems Maintenance | Hands-on Operations / Competency Qualification | 12.13 - 12.15  | 12.15           | Local utility hire for diesel/ wind system work |
| 5                  | Kongiganak     | Diesel Systems Maintenance | Hands-on Operations / Competency Qualification | 12.17 - 12/19  | 12.19           | Local utility hire for diesel/ wind system work |
| 3                  | Kwigillingok   | Diesel Systems Maintenance | Hands-on Operations / Competency Qualification | 12.15 - 12.17  | 12.17           | Local utility hire for diesel/ wind system work |
| 1                  | Bethel         | Diesel Systems Maintenance | Hands-on Operations / Competency Qualification | 12.13 - 12.19  | 12.19           | Local hire for engineering and development firm |
| 3                  | Kongiganak     | Wind Turbine Operations    | Hands-on Operations / Competency Qualification | 12.9 - 12.10   | 12.10           | Local utility hire for diesel/ wind system work |

|   |        |                         |                                                |              |       |                                                 |
|---|--------|-------------------------|------------------------------------------------|--------------|-------|-------------------------------------------------|
| 1 | Bethel | Wind Turbine Operations | Hands-on Operations / Competency Qualification | 12.9 - 12.10 | 12.10 | Local hire for engineering and development firm |
|---|--------|-------------------------|------------------------------------------------|--------------|-------|-------------------------------------------------|

**Please note:** The data collected in your Quarterly Progress Report provides vital information that can have a direct impact on future funding for our grant programs. Forwarding your success stories and photos as part of our requests is further evidence of how rural youth training is crucial to building a strong workforce for Alaska. Thank you in advance for your cooperation.