AVEC Diesel Generator Project
Grant Agreement Number 2195135

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Alaska Energy Cost Reduction Program
Progress Report

Grantee: Alaska Village Electric Cooperative, Inc.

Project Name: AVEC Diesel Generator Improvements Project
Emmonak 7G58
Hooper Bay 8G66
Mt. Village 68G36
Nunapitchuk 9G57
Togiak 10G61

Grant #: **2195128**

Period of Report: 06/2005 to 12/2005

Project Activities Completed:

Specifications written for procurement of generator sets
Advertisement of bids
Bids received and evaluated
Successful bidder notified
Generator set received
Generator set tested
Corrective action to poor response to load changes completed
Generator set retested
Designs Completed
Installation materials procured
Manpower identified

Togiak – The Togiak Cummins QSX15 was put on-line either October 8 or October 10, 2004.

Mountain Village - Caterpillar 3456 Generator set was scheduled to be delivered in Anchorage on 6/8/04 and ship on Yutana Barge Lines 7/3/04 voyage to Mountain Village. Unit was delivered to Mountain Village. The Unit was put on-line on 3/26/05.

Emmonak – Caterpillar 3456 Generator set was scheduled to be delivered in Anchorage on 6/8/04 and ship on Yutana Barge Lines 7/3/04 voyage to Emmonak. Unit was shipped on Northland voyage 4008 to Emmonak. Unit was delivered to Emmonak. The Unit was put on-line on 4/26/05.

Hooper Bay - AVEC logistics had problems finding an available freight company for moving the Hooper Bay Caterpillar 3456 Generator Set . Scheduled to go on AK Logistics, Voyage 4002, Booking 2108, deadline 6/21/04 in Seattle, then to Nome. From Nome to Hooper Bay on Crowley, quote 103410, ETA 09/04. The Hooper Bay unit was reportedly not delivered in 2004 due to storms and was understood to be stored in Nome during the winter of 2004-2005. Unit reportedly arrived in Hooper Bay in 2005 and installation of the unit in Hooper Bay is underway.

Nunapitchuk – Caterpillar 3456 Generator Set was located in the Anchorage warehouse yard, awaiting completion of construction of a new DC Power Plant Module to be installed in Kasigluk. The unit was installed inside a new DC power plant module during summer 2005 and was shipped to Kasigluk in the fall of 2005. Module was placed on piles.

Existing or Potential Problems:

Lack of manpower to complete installations.
The plan to install the Nunapitchuk 3456 in a new DC power plant module instead of the existing Butler Building, as originally designed, will further delay installation.

Activities Targeted for Next Reporting Period:

Togiak – Remote monitoring to be completed and unit fully commissioned.
Mountain Village – Remote monitoring to be completed and unit fully commissioned.
Emmonak – Remote monitoring to be completed and unit fully commissioned.
Final Accounting of first three projects
Closeout of first three project
Hooper Bay unit to be put on-line
Manpower to be identified
Installation materials to be procured
Nunapitchuk unit installation at Kasigluk to progress