

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:** 01/2005 to 05/2005

### **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.

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.

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.

### **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 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

Closeout of project

Currently the Cat 3456 installations are on hold in Hooper Bay and Nunapitchuk.

Hooper Bay generator set to be shipped

Hooper Bay – AVEC logistics is having 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 due to storms and is understood to be stored in Nome.

Nunapitchuk – Caterpillar 3456 Generator Set is located in the Anchorage warehouse yard,

awaiting completion of construction of a new DC Power Plant Module to be installed in

Kasigluk.

Manpower to be identified

Installation materials to be procured