

## **Alaska Energy Cost Reduction Program Progress Report**

**Grantee:** Alaska Power & Telephone Company

**Grant #** 313-07

**Period of Report:** Third Quarter 2007 (July 1 through September 30, 2007)

**Project Name:** Eagle Hydrokinetic River Turbine Project (Denali)

### **Project activities completed:**

- The river survey was performed by TerraSond of Palmer, AK in early September including accurate GPS positioning, bathymetry, current profiling transects, bottom sampling, sub-bottom profiling, post processing of survey information and issuance of a survey report [the report is forthcoming]. This data collected is being compared to past USGS data.
- River survey data identified several potential sites for more thorough investigation. The sites include the original site at the foot of Washington Avenue plus at Adams Avenue and Amundsen Street.
- Several properties are under consideration for the location of the landside equipment. Property owners have been contacted and studies have been started to determine the economic feasibility of each location.

### **Project existing or potential problems:**

None known at this time

### **Activities Targeted for Next Reporting Period, Fourth Quarter 2007:**

- Start working with manufacturer UEK on final equipment specifications.
- Determine best property location and establish use agreements with property owner.
- Finalize anchoring and unit deployment design elements.