

Submission Date: Feb 13, 2008

Priority: 1 of 1



# Ted Stevens

United States Senator for Alaska

## Please Note:

- Fill out one request form for each request
- This form (and any attachments) can be returned via:

Fax - (202) 224-2354

Mail - The Honorable Ted Stevens  
United States Senate  
522 Hart Senate Office Bldg.  
Washington, D.C. 20510

- Requests are due by February 15, 2008.

## FISCAL YEAR 2009 PROJECT REQUEST FORM

Project Name: Juneau Area Power Supply

Project Location: Juneau and the surrounding area of Southeast Alaska

## Project Description (please attach additional pages as required):

The Juneau Area Power Supply System is a \$113 million plan to provide a long term, reliable and renewable hydroelectric energy system for Juneau and the surrounding area of Southeast Alaska. There are two elements of the plan: The \$60 million, 14.3 megawatt Lake Dorothy Hydroelectric Project and the \$53 million, 63.5 mile Juneau - Greens Creek - Hoonah intertie. Of the overall \$113 million cost, \$65 million will be provided by the private sector and \$48 million from the public sector. In 2006, the intertie to Greens Creek was commissioned and construction started on the Lake Dorothy Hydroelectric Project. Federal funding of \$33 million is being requested to finish the final Juneau-Greens Creek-Hoonah intertie segment going over to Hoonah within 3 years. Of the total amount, \$24M is needed to purchase the submarine cable and remainder is for shore side connections. Once funding is secured, the ordering/fabrication/deliver/installation of submarine cable will take 2-3 years. (See attached white paper)

Related Appropriations Bill: EWD, Agriculture, Commerce

Amount of federal funding requested for FY09: \$33,000,000

Total funding to complete this project: \$33,000,000

Number of years to fund this project: 3 Years

Matching funds from the State of Alaska: 0

Matching funds from local and private entities:

Of the overall \$113 million cost, \$65 million will be provided by the private sector.

If this project was funded in prior appropriations bills (within the last five years), list each bill and the amount funded:

FY04 and FY05 EWD appropriations totalling \$15,000,000

Amount included in the President's FY09 Budget: \$0

Amount included in the State of Alaska FY09 Budget: \$0

Check this box if state funding was sought but not provided.

List legislation that authorizes this project:

S.964-12, Title VI, SEC. 601  
SOUTHEASTERN ALASKA INTERTIE AUTHORIZATION

## Check all that apply:

- A change in the current law is necessary in order to proceed with the project. (If so, attach language and a list of laws that need to be amended)
- Bill or report language is needed. (If so, attach requested language)

# Juneau Area Power Supply System

## February 2008 Project Update

The Juneau Area Power Supply System is a \$113 million plan to provide a long term, reliable and renewable hydroelectric energy system for Juneau and the surrounding area of Southeast Alaska. There are two elements of the plan: The \$60 million, 14.3 megawatt Lake Dorothy Hydroelectric Project and the \$53 million, 63.5 mile Juneau-Greens Creek-Hoonah Intertie.

In 2006, the transmission segment from Juneau to the Greens Creek Mine on Admiralty Island was commissioned and began providing hydroelectric power and fiber optic communication to the mine. Hydroelectric energy delivered across the intertie has displaced 307,410 gallons of diesel fuel, and is expected to displace 5 million gallons annually with the completion of the Lake Dorothy Project. Due to energy sales to Greens Creek Mine, Alaska Electric Light & Power has secured financing and begun construction of the Lake Dorothy Project which is expected to be on line in late 2009. The Lake Dorothy Hydroelectric Project, which is expandable, will ensure the Juneau area with a stable and non-polluting supply of electric energy for the next 50 years or more. Completion of the intertie to Greens Creek Mine has helped to assure the mine's economic viability and to preserve the current 275 full-time jobs there. The final step to the area power supply plan is to extend the intertie to the Hoonah area and substantially increase its economic opportunities with the addition of stable cost hydroelectric energy and fiber optic communications.

Completing the final intertie segment to Hoonah will displace an additional 400,000 gallons of diesel fuel for a total of 5.4 million gallons a year. Hoonah's 860 residence and businesses will benefit from stable, lower cost, clean hydroelectric energy and fiber optic broadband communication. Improved medical and educational opportunities will be available over the internet and lower cost energy will stimulate economic growth. Government funding is essential to completing the intertie segment to Hoonah and further support business development in the Hoonah area.

Assistance of \$33 million is requested to complete the final 29.5 miles of the Juneau-Greens Creek-Hoonah intertie. This final phase will go from the Hawk Inlet on Admiralty Island to Hoonah on Chichagof Island, with the major portion consisting of a 26-mile submarine cable linking Admiralty and Chichagof islands. Alaska Electric Light & Power Company, the electric utility serving the City & Borough of Juneau, has financed the Lake Dorothy project and along with Greens Creek an additional \$5 million was invested in the Juneau-Greens Creek-Hoonah intertie. **Thus, about \$65 million of the overall \$113 million will come from the private sector and about \$48 million from public funds.** In 2004 and 2005, a total of \$15 million in federal funding was provided for construction of the intertie between north Douglas Island in Juneau and Admiralty Island. The private sector provided funding for the initial 11 miles of intertie from near downtown Juneau to north Douglas Island and for the delivery facilities on Admiralty Island. The \$33 million appropriation request for 2008 will complete the entire regional intertie plan within three years once that funding is received. Overall, the Juneau-Greens Creek-Hoonah intertie will consist of 34 miles of submarine cable and 29.5 miles of overhead line. The City of Hoonah, Inside Passage Electric Cooperative (the electric utility serving Hoonah), and Alaska Electric Light & Power are actively supporting completion of the intertie.

