



Memorandum

January 15, 2013

To: Jim Dinley, Municipal Administrator
From: Christopher Brewton, Utility Director
Subject: **Takatz Lake Joint Funding Agreement – Stream Gaging**

I request Assembly approval to enter into the second Joint Funding Agreement with the U.S. Geological Survey (USGS) for stream gaging services as part of the Takatz Lake Hydroelectric Feasibility Project. The original 3-year agreement was approved in January 2010 and with that agreement, the USGS has established and maintains two stream gages in the Takatz Lake Watershed.

Stream flow data is one of the most critical aspects to developing a potential hydroelectric project. A thorough and long term understanding of system flows and capacities are necessary for calculation of energy available from the project. For example, the system operations model developed for operation of Blue Lake and Green Lake are based on many years of stream flow and precipitation records. The following link accesses the stream gages for real time data of stream flow: <http://waterdata.usgs.gov/ak/nwis/current/?type=flow>. The two stream gages for Takatz are gage numbers 15099900 and 15100000.

Project costs are apportioned on a yearly basis: \$66,225 for 2013, \$69,536 for 2014, \$73,013 for 2015, for a total project cost of \$207,774. Sufficient funding is available from the Takatz Lake Hydroelectric Project No. 90614 which has a funding balance of approximately \$1,188,831.

I recommend the Assembly authorize the Municipal Administrator to execute Joint Funding Agreement No. 13WAAK000000007 with the USGS for continued operation, maintenance and support for Takatz Lake Stream Gages.

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement

Page 1 of 2
Customer #: 60000001096
Agreement #: 13WAAK000000007
Project #: WB20CW2
TIN #: 92-0041163
Fixed Cost Agreement Yes No

FOR
ALASKA SCIENCE CENTER

THIS AGREEMENT is entered into as of the 28th day of December, 2012, by the U.S. GEOLOGICAL SURVEY, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the CITY AND BOROUGH OF SITKA ELECTRIC DEPARTMENT, party of the second part

1. The parties hereto agree that subject to availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation of the construction and operation of two streamflow gaging stations, Takatz Lake and Takatz Creek, herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50; and 43 USC 50b.
2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) includes In-Kind Services in the amount of \$0.00.

(a) \$56,177.00 by the party of the first part during the period
1 January 2013 to 31 December 2015

(b) \$207,774.00 by the party of the second part during the period
1 January 2013 to 31 December 2015

- (c) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
 - (d) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.
3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.
 4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.
 5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.
 6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.
 7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

Form 9-1366
continued

U.S. Department of the Interior
U.S. Geological Survey
Joint Funding Agreement

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- 8. The maps, records, or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records, or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program and, if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at costs, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records, or reports published by either party shall contain a statement of the cooperative relations between the parties.
- 9. USGS will issue billings utilizing Department of the Interior Bill for Collection (form DI-1040). Billing documents are to be rendered quarterly. Payments of bills are due within 60 days after the billing date. If not paid by the due date, interest will be charged at the current Treasury rate for each 30 day period, or portion thereof, that the payment is delayed beyond the due date. (31 USC 3717; Comptroller General File B-212222, August 23, 1983).

U.S. Geological Survey
United States
Department of the Interior

City and Borough of Sitka
Electric Department

USGS Point of Contact


Customer Point of Contact

Name: Randy Host
Address: 1910 Alex Holden Way
Juneau, AK 99801
Telephone: 907-586-7101
Email: rhost@usgs.gov

Name: David Hawkins
Address: 105 Jarvis Street
Sitka, AK 99835
Telephone: 907-747-1870
Email: davidhawkins@cityofsitka.com

Signatures

Signatures

By  Date 12-31-12
Name: Mark Shasby
Title: Acting Director, Alaska Science Center

By _____ Date _____
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