

**Alaska Energy Authority - Susitna-Watana Hydroelectric Project**      **FY2014 Request: \$95,200,000**  
**Reference No: 56220**

**AP/AL:** Appropriation      **Project Type:** Energy  
**Category:** Development  
**Location:** Southcentral Alaska      **House District:** Southcentral Region (HD 7-30)  
**Impact House District:** Southcentral Region (HD 7-30)      **Contact:** Sara Fisher-Goad  
**Estimated Project Dates:** 07/01/2013 - 06/30/2018      **Contact Phone:** (907)771-3000

**Brief Summary and Statement of Need:**

Funding will be used for the engineering feasibility study, detailed engineering design, geotechnical investigations, environmental studies, license application preparation, and project management consulting on the Susitna-Watana Hydroelectric Project. Continued work on the Susitna-Watana Hydroelectric Project is in preparation for the Federal Energy Regulatory Commission (FERC) license application anticipated to be submitted in September 2015.

<b>Funding:</b>	<b>FY2014</b>	<b>FY2015</b>	<b>FY2016</b>	<b>FY2017</b>	<b>FY2018</b>	<b>FY2019</b>	<b>Total</b>
AHCC Rcpts	\$95,200,000						\$95,200,000
Gen Fund		\$123,900,000	\$99,900,000	\$23,700,000			\$247,500,000
<b>Total:</b>	<b>\$95,200,000</b>	<b>\$123,900,000</b>	<b>\$99,900,000</b>	<b>\$23,700,000</b>	<b>\$0</b>	<b>\$0</b>	<b>\$342,700,000</b>

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
One-Time Startup:	0	0
<b>Totals:</b>	<b>0</b>	<b>0</b>

**Prior Funding History / Additional Information:**

Sec4 Ch5 SLA2011 P127 L10 SB46 \$65,700,000  
 Sec7 Ch43 SLA2010 P19 L16 SB230 \$10,000,000  
 Sec13 Ch29 SLA2008 P87 L14 SB221 \$2,500,000

Appropriations in SLA2008 and SLA2010 provided funds for large hydroelectric planning and for selecting a site for a large hydro project in Alaska Energy Authority (AEA) evaluated the proposed Susitna-Watana and Chakachamna Lake Hydroelectric projects to determine which was better for the state to pursue. AEA received funding and authorization to move forward with the licensing of a Susitna-Watana Hydroelectric Project in FY2012 (SLA 2011).

**Project Description/Justification:**

Susitna-Watana Hydro Project - \$343,700,000 is the estimated total amount of funds needed to complete the licensing, engineering and design portion of the project (FY2013 - FY2017). The proposed project site is on the Susitna River, roughly 90-river miles north of Talkeetna. As currently envisioned, the project would include a roughly 750-foot high dam with a 41-mile long, 2-mile wide (at the widest) reservoir. The powerhouse, dam and related facilities would be linked by a transmission line(s) connecting to the Railbelt Intertie. The project would produce nearly 50 percent of the

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Railbelt's electrical demand, or an annual avg. of 2,800,000 Megawatt Hours (MWh).

**Susitna-Watana Hydroelectric**

**Estimated Pre-Construction Costs as of September 30, 2012**

Total Pre-Construction Cost Estimate (through FY2017) *:	418,400,000
Less Funding Authorized to Date (SLA2010 Ch 43 & SLA2011 Ch 5)	(75,700,000)
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	<b>342,700,000</b>

\*The pre-construction estimate will be revised in January 2013.