

Fivemile Creek Hydroelectric Project

FY2019 Request: \$3,400,000
Reference No: 60785

AP/AL: Allocation
Category: Development
Location: Chitina

Project Type: Energy
House District: Eielson/Denali/Upper
 Yukon/Border (HD 6)
Contact: John Springsteen

Impact House District: Eielson/Denali/Upper
 Yukon/Border (HD 6)

Estimated Project Dates: 07/01/2018 - 06/30/2023 **Contact Phone:** (907)771-3000
Appropriation: Alaska Energy Authority - Round IX Renewable Energy Project Grants (AS 42.45.045)

Brief Summary and Statement of Need:

Construction of a run-of-river hydroelectric project on Fivemile Creek serving the community of Chitina with the capacity to generate up to 2,000 MWh of energy and displacing 500 MWh and 40,000 gallons of fuel annually (100% of existing diesel generation).

Funding:	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024	Total
1210 Renew Ener	\$3,400,000						\$3,400,000
Total:	\$3,400,000	\$0	\$0	\$0	\$0	\$0	\$3,400,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input 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
Totals:	0	0

Prior Funding History / Additional Information:

Project Description/Justification:

This project will serve the native community of Chitina, which is an isolated system and entirely diesel dependent. The diesel plant will function primarily as a backup system after the hydroelectric project is constructed. During most times of the year, excess energy will be available for space heating during winter months via electric boilers installed in various community buildings, residential living facilities, and commercial facilities. During summer months excess power can be used for other commercial use.