

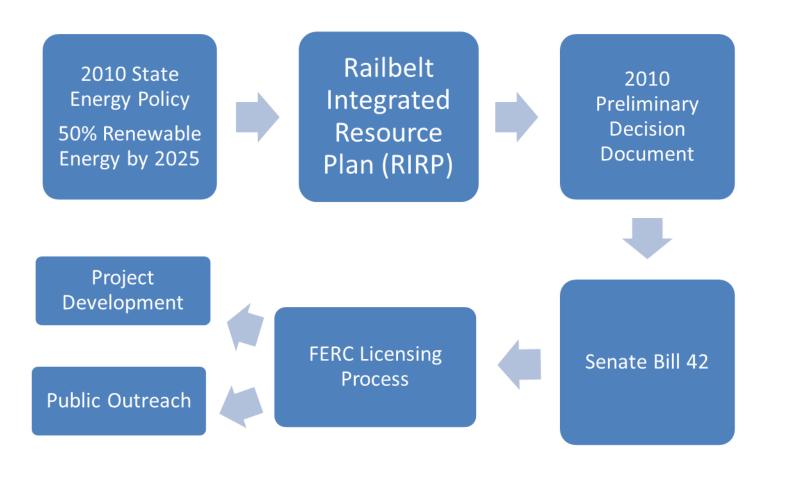


Why Hydro?

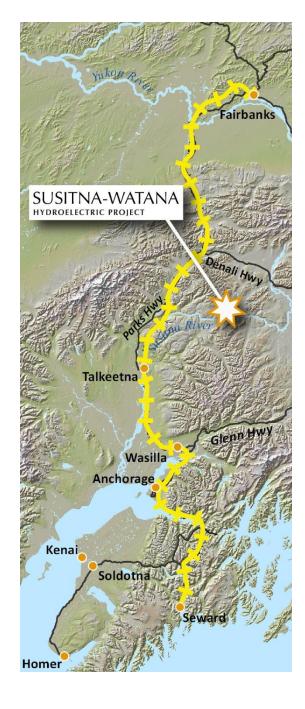
- Represents 7.5 percent of U.S. electric energy needs
- Diversifies Alaska's energy portfolio
- Benefits and stabilizes electric grid
- Potential to combine with other energy sources
- Operation can balance environmental and developmental values
- Long-term, stable electrical rates (Bradley Lake Project)
- Stable energy costs benefit businesses



Process





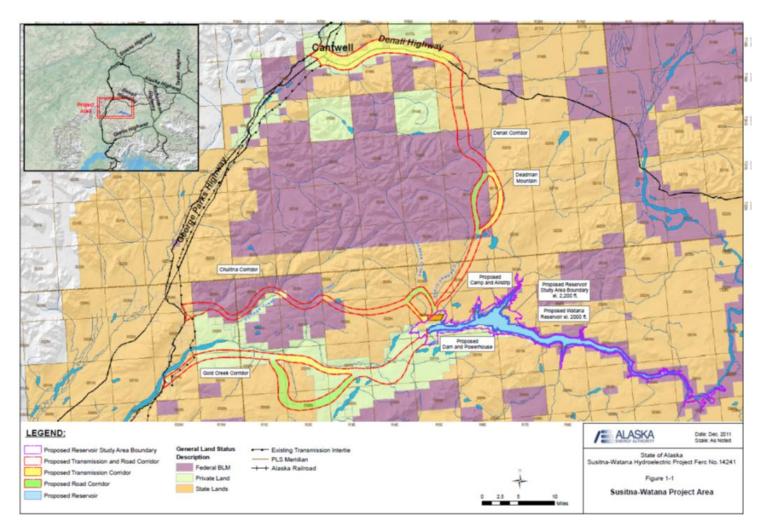


Project Overview

- Location: river mile 184, above Devils Canyon
- Size: ~700 foot-high dam
- Reservoir 39 miles long, 2 miles wide (at widest)
- Supply: ~50% of Railbelt electrical demand
- Capacity: 600 MW installed capacity, annual average 2,500, 000 MWh
- Project life: 100+ years, providing long-term, stable rates

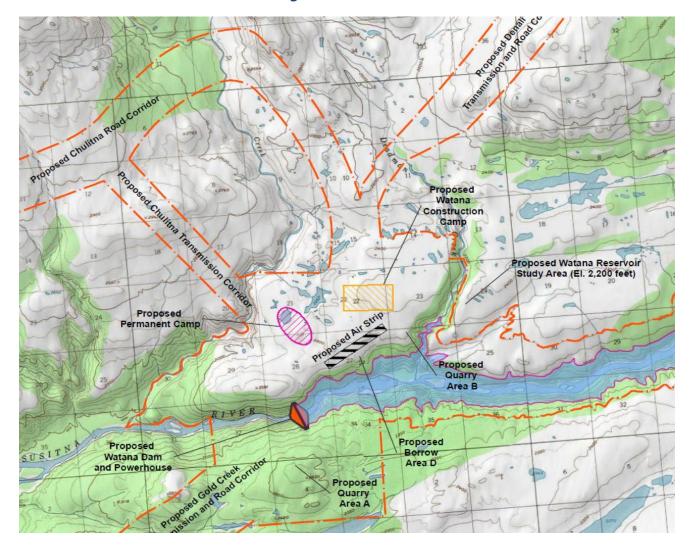


Project Area



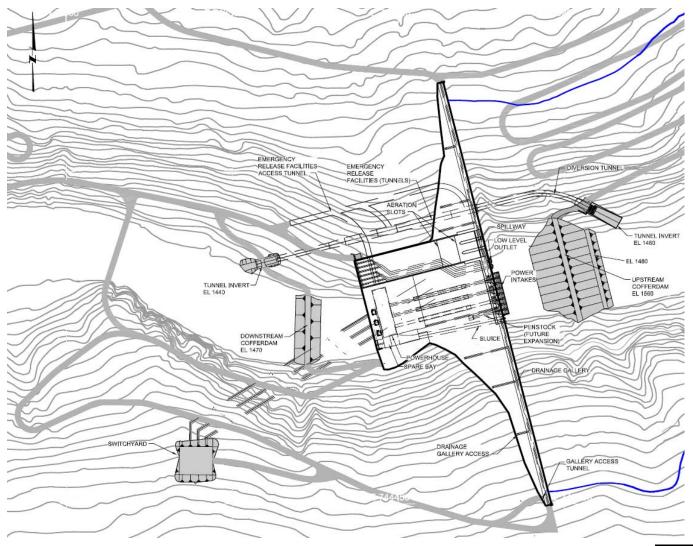


Project Site



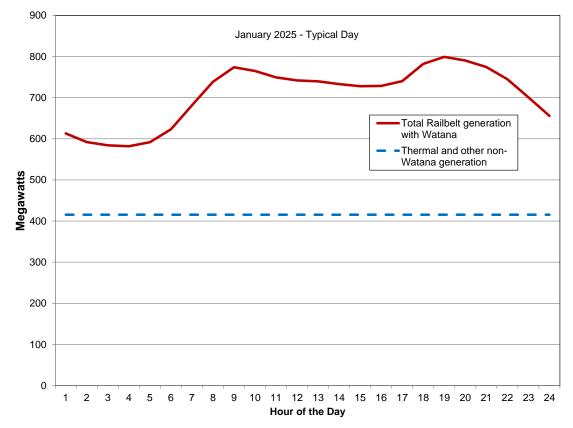


Conceptual Site Plan





Project Daily Operation



 Load-following to provide system stability and responsiveness to energy demand



Schedule

	Task Name		2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
		Concession of the local division of the loca	the second s	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2	H1 H2
1	File NOI and PAD	3	E											
2	Conduct Informal Studies													
3	FERC Approval of 2013 and 2014 Study Plans		<	11/9										
4	Engineering Feasibility Study Completed			> 12/14	1									
5	Check-in			1/11										
6	Leg. Appropriation for Licensing/Final Design													
7	State Investment Appropriation													
8	Conduct FERC Approved Studies			C	1									
9	Prepare and File License Application													
10	Settlement Negotiaions w/Stakeholders				C	1								
11	Negotiate Power Sales Agreements			C			1							
12	Final Engineering Design			C										
13	FERC EIS					C								
14	FERC License Issuance							3/3						
15	Project Financing				C			1						
16	Construction							C						



2012 Environmental Studies

- Geomorphology/Sediment Transport
- Ice Studies
- Project Operation Studies
- Water Quality
- Fisheries
- Wildlife
- Botanical
- Cultural Resources
- Recreation



2012 Engineering Studies

- Hydrology & Power Operations
- Loads & Resources Modeling (RIRP)
- Feature Layouts & Optimization
- Transmission System Reliability & Stability Modeling
- Geotechnical Investigations
- Formation of Board of Consultants
- Update of Construction Cost Estimates
- Feasibility Report





Public Scoping Meetings

- March 26: Anchorage 6-10 p.m., Loussac Library
- March 27: Anchorage and Wasilla 9 a.m.-2 p.m., Loussac Library
- March 28: Talkeetna and Glennallen
- March 29: Cantwell and Fairbanks

Susitna-watanahydro.org/

