



December 29, 2011

Electronic Filing

Ms. Kimberly Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, DC 20426

RE: Alaska Energy Authority
Susitna-Watana Hydroelectric Project No. 14241
Notification of Intent and Pre-Application Document

Dear Secretary Bose:

The Alaska Energy Authority (AEA) hereby files electronically its: (1) Notification of Intent to File an Application for Original License and Request for Designation as Non-Federal Representative and for Authorization to Initiate Consultation under Section 106 of the National Historic Preservation Act (NOI); and (2) Pre-Application Document (PAD), for the Susitna-Watana Hydroelectric Project No. 14241. Pursuant to 18 C.F.R. §§ 5.5(c) and 5.6(a), these documents are also being distributed to resource agencies, Alaska Native entities, local governments, and members of the public likely to be affected by or interested in the proposed project.

This filing consists of two volumes:

- Volume I (Notification of Intent and Pre-Application Document)
- Volume II (Pre-Application Document Appendices)

Pursuant to 18 C.F.R. § 5.3(d)(2), notice of this filing is being published in the Anchorage Daily News, Alaska Journal of Commerce, Fairbanks Daily News Miner, Mat-Su Valley Frontiersman, and Homer News, newspapers of general circulation in the project region. AEA will shortly file a copy of said notices with the Commission.


AEA looks forward to working with the Commission, other federal and state agencies, Alaska Native entities, local governments, and members of the public to timely develop a license application and supporting record that fully serves the needs of all agencies with

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permitting authority for the Project. If you have any questions, please contact Wayne Dyok, Project Manager, at (916) 719-7022 or wdyok@aidea.org.

Sincerely,

ALASKA ENERGY AUTHORITY

A handwritten signature in cursive script that reads "Sara Fisher-Goad".

Sara Fisher-Goad
Executive Director

Enclosures

cc: Douglas Johnson, FERC Portland Regional Office
Department of the Interior, Office of Environmental Affairs -Washington, D.C.
FERC Division of Hydropower Licensing
Bureau of Land Management, Alaska State Office
U.S. Army Corps of Engineers, Anchorage District
Distribution List

DISTRIBUTION LIST

Advisory Council on Historic Preservation
1100 Pennsylvania Ave., NW
Old Post Office Building
Suite 803
Washington, D.C. 20004

Ken Johns
President/CEO
Ahtna, Inc.
PO Box 649
Glennallen, Alaska 99588

Kathryn Martin
Ahtna, Inc.
PO Box 649
Glennallen, Alaska 99588

Toby Smith
Executive Director
Alaska Center for the Environment
807 G Street, Suite 100
Anchorage, AK 99501

Kaarle Strailey
Alaska Center for the Environment
807 G Street, Suite 100
Anchorage, AK 99501

Louisa Yanes
Energy Organizer
Alaska Center for the Environment
807 G Street, Suite 100
Anchorage, AK 99501

Mike Coumbe
Executive Director
Alaska Conservation Alliance
P.O. Box 100660
Anchorage, AK 99510

Kate McKeown
Alaska Conservation Alliance
P.O. Box 100660
Anchorage, AK 99510

David Theriault
Alaska Conservation Alliance
P.O. Box 100660
Anchorage, AK 99510

Julie Jessum
Alaska Conservation Foundation
441 West 5th Street, Suite 402
Anchorage, AK 99501-2340

Susan K. Bell
Commissioner
Alaska Department of Commerce,
Community and Economic Development
P.O. Box 110800
Juneau, AK 99811-0800

Dan Easton
Director
Alaska Department of Environmental Conservation
410 Willoughby Avenue Ste 303
Juneau, AK 99811

Larry Hartig
Office of the Commissioner
Alaska Department of Environmental Conservation
P.O. Box 111800
410 Willoughby Avenue, Suite 303
Juneau, AK 99811-1800

Bill Griffith
Division of Water
Alaska Department of Environmental Conservation
555 Cordova Street
Anchorage, AK 99501-2617

Brenda Krauss
Division of Water
Alaska Department of Environmental Conservation
P.O. Box 111800
410 Willoughby Avenue, Suite 303
Juneau, AK 99811-1800

DISTRIBUTION LIST

William Ashton
Storm Water & Wetlands Manager
Alaska Department of Environmental Conservation
555 Cordova St.
Anchorage, AK 99501

Alaska Department of Fish & Game
P.O. Box 115526
1255 West 8th Street
Juneau, AK 99811-5526

Joseph "Joe" Buckwalter
Habitat Biologist
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, AK 99518

Shawn Johnson
Fishery Biologist
Hydropower Coordinator
Alaska Department of Fish & Game
P.O. Box 110024
Juneau, AK 99811-0024

Jason Mouw
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, AK 99518

Joe Hitzelberger
Alaska Department of Fish & Game
P.O. Box 240020
Douglas, AK 99824-0020

Kate Kanouse
Habitat Biologist
Alaska Department of Fish & Game
P.O. Box 240020
Douglas, AK 99824

Monte Miller
Hydroelectric Project Coordinator
Alaska Department of Fish & Game
333 Raspberry Road
Anchorage, AK 99518

Jackie Timothy
Southeast Regional Supervisor
Alaska Department of Fish & Game
802 West 3rd Street
Douglas, AK 99811

Joe Klein
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Mike Bethe
Alaska Department of Fish & Game
1800 Glenn Hwy., Suite 6
Palmer, AK 99645-6736

Joe Giefer
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1565

Jack Erickson
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Ed Weiss
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Sarah Hazell
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Mark Fink
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1565

Ron Benkert
Alaska Department of Fish & Game
1800 Glenn Hwy., Suite 6
Palmer, AK 99645-6736

DISTRIBUTION LIST

Todd Rinaldi
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Tim Peltier
Alaska Department of Fish & Game
1800 Glenn Hwy., Suite 2
Palmer, AK 99645-6736

Mike Petrula
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Mark Burch
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Davin Holen
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Ron Stanek
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Lowell Fair
Alaska Department of Fish & Game
333 Raspberry Rd.
Anchorage, AK 99518-1599

Anne Johnson
Natural Resource Manager
Alaska Department of Natural Resources
GIS RSA
550 West 7th Avenue, Suite 650
Anchorage, AK 99501-3579

Daniel S. Sullivan, Commissioner
Alaska Department of Natural Resources
P.O. Box 111000
400 Willoughby Avenue, Suite 500
Juneau, AK 99811-1000

Joseph R. Balash
Deputy Commissioner
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1400
Anchorage, AK 99501-3561

Tom Crafford, Director
Office of Project Management and Permitting
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1430
Anchorage, AK 99501

Wyn Menefee, Director
Division of Mining, Land, and Water
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1070
Anchorage, AK 99501-3579

Kristina "Krissy" Plett
Natural Resource Manager
Division of Mining, Land, and Water
Alaska Department of Natural Resources
550 W 7th Ave Ste 1020
Anchorage, AK 99501-3579

Gary Prokosch
Natural Resource Manager
Division of Mining, Land, and Water
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1020
Anchorage, AK 99501-3579

Candice Snow, Permits
Resource Assessment and Development
Division of Mining, Land, and Water
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 900c
Anchorage, AK 99501-3579

Alaska Department of Natural Resources
Water Resources
Division of Mining, Land, and Water
550 West 7th Avenue, Suite 900A
Anchorage, AK 99501-3577

DISTRIBUTION LIST

Ben Ellis, Director
Division of Parks and Outdoor Recreation
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1380
Anchorage, AK 99501-3561

Judith Bittner
State Historic Preservation Officer
Alaska Department of Natural Resources
550 West 7th Avenue, Suite 1310
Anchorage, AK 99501-3565

Kim Sager
Alaska Department of Natural Resources
550 W. 7th Ave., Suite 1020
Anchorage, AK 99501-3579

Jusdi McDonald
Alaska Department of Natural Resources
550 W. 7th Ave., Suite 900c
Anchorage, AK 99501-3577

Shina duVall
Office of History & Archaeology
Alaska Department of Natural Resources
550 W. 7th Ave., Suite 1310
Anchorage, AK 99501-3565

Dave McMahan, Deputy SHPO
Alaska Department of Natural Resources
550 W. 7th Ave., Suite 1310
Anchorage, AK 99501-3565

Richard VanderHoek
Office of History & Archaeology
Alaska Department of Natural Resources
550 W. 7th Ave., Suite 1310
Anchorage, AK 99501-3565

Rod Combellick
Division of Geological & Geophysical Surveys
Alaska Department of Natural Resources
3354 College Rd.
Fairbanks, AK 99709

Ethan Birkholz, Chief of Planning
Alaska Department of Transportation &
Public Facilities;
2301 Peger Rd.
MS-2550
Fairbanks, AK 99709

Ben White, Acting State Environmental Manager
Alaska Department of Transportation &
Public Facilities;
P.O. Box 112500
3132 Channel Drive
Juneau, AK 99811-2500

Mark Huber
Alaska Fly Fishers
200 West 34th Avenue, # 1233
Anchorage, AK 99503

Emily Ford,
Public Outreach Liaison
Alaska Energy Authority
813 West Northern Lights Blvd.
Anchorage, AK 99503

Betsy McGregor
Alaska Energy Authority
813 West Northern Lights Blvd.
Anchorage, AK 99503

Bryan Carey
Alaska Energy Authority
813 West Northern Lights Blvd.
Anchorage, AK 99503

Marilyn Leland,
Executive Vice President
Alaska Power Association
703 West Tudor Rd., Suite 200
Anchorage, AK 99503-6650

Marilyn Leland,
Executive Vice President
Alaska Power Association
302C Assembly Bldg.
411 Fourth St.
Juneau, AK 99801

DISTRIBUTION LIST

Crystal Enkvist
Alaska Power Association
703 West Tudor Rd., Suite 200
Anchorage, AK 99503-6650

Alaska Public Interest Research Group
P.O. Box 101093
Anchorage, AK 99510

Alexander Creek Inc.
8126 Wisteria Street
Anchorage, AK 99502-4573

Patsy Gunn
Alaska Railbelt Energy Authority
3601 C Street, Suite 1400
Anchorage, AK 99503

Thomas O'Keefe,
Pacific Northwest Director
American Whitewater;
3537 NE 87th Street
Seattle, WA 98115

American Rivers;
1104 14th Street NW, Suite 1400
Washington, D.C., 20005

American Rivers;
Northwest Region
P.O. Box 387
Seattle, WA 98111-0387

Jeff Warner, Power Dispatcher
Anchorage Municipal Light & Power
1200 East 1st Ave.
Anchorage, AK 99501

Caswell Native Association
HC 89, Box 83
Willow, AK 99688

Cheesh-Na Tribal Council
P.O. Box 241
Chistochina, AK 99586
Chickaloon-Moose Creek Native Association
P.O. Box 875046
Wasilla, AK 99674

Chickaloon Native Village
P.O. Box 1105
Chickaloon, AK 99674

Chitina Native Corporation
P.O. Box 3
Chitina, AK 99566

Chitina Traditional Village Indian Council
P.O. Box 31
Chitina, AK 99566

Burke Wick
Chugach Electric Association, Inc.
5601 Electron Drive
P.O. Box 196300
Anchorage, AK 99519-6330

Becky Long
Coalition for Susitna Dam Alternatives
P.O. Box 320
Talkeetna, AK 99676

Richard Leo
Coalition for Susitna Dam Alternatives
P.O. Box 320
Talkeetna, AK 99676

Gary Fandrei,
Executive Director
Cook Inlet Aquaculture Association
40610 Kalifornsky Beach Rd.
Kenai, AK 99611

Cook Inlet Region, Inc.
2525 C Street, Suite 500
Anchorage, AK 99503

DISTRIBUTION LIST

Margaret Brown
President and CEO
Cook Inlet Region Corporation
P.O. Box 933330
Anchorage, AK 99509-3330

Jim Jager,
Director, Corporate Communications
Cook Inlet Region Corporation
P.O. Box 933330
Anchorage, AK 99509-3330

Ethan Schutt
Sr. Vice President
Cook Inlet Region Corporation
P.O. Box 933330
Anchorage, AK 99509-3330

Dara Glass
Land Administrator
Cook Inlet Region Corporation
P.O. Box 933330
Anchorage, AK 99509-3330

James Mery, Sr. Vice President
Lands and Natural Resources
Doyon, LTD
1 Doyon Place, Suite 300
Fairbanks, AK 99701-2941

Eklutna , Inc.
16515 Centerfield Dr., Suite 201
Eagle River, AK 99577

Eklutna Native Village
26339 Eklutna Village Road
Chugiak, AK 99567

Tom Lovas, Owner
Energy & Resource Economics
5840 Azalea Drive
Anchorage, AK 99516

Fairbanks Northstar Borough
P.O. Box 71267-1267
Fairbanks, AK 99701

Federal Emergency Management Agency;
Region X
130-228th Street SW
Bothell, WA 98021-8627

Kimberly Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, NE
Washington, D.C. 20426

Edward Perez
Regional Engineer
Federal Energy Regulatory Commission
805 SW Broadway
Fox Tower, Suite 550
Portland, OR 97205

Kim Nguyen
Federal Energy Regulatory Commission
888 First Street, NE
Washington, D.C. 20426

David Turner
Federal Energy Regulatory Commission
888 First Street, NE
Washington, D.C. 20426

Matt Cutlip
Federal Energy Regulatory Commission
805 SW Broadway
Suite 550
Portland, OR 97205

Kim Ognisty
Federal Energy Regulatory Commission
888 First Street, NE
Washington, D.C. 20426

Gold Creek-Susitna NIC
P.O. Box 847
Talkeetna, AK 99676

Henri Dale
Golden Valley Electric Association
758 Illinois Street
P.O. Box 71249
Fairbanks, AK 99707-1249

DISTRIBUTION LIST

Gulkana Village
P.O. Box 254
Gakona, AK 99586

Healy Lake Village
P.O. Box 74090
Fairbanks, AK 99706

Bob Day
Homer Electric Association
3977 Lake Street
Homer, AK 99603

Harvey Ambrose
Dir. of Power Prod. & Transmission
Homer Electric Association
3977 Lake Street
Homer, AK 99603

Jean Schroeder
Homer Electric Association
3977 Lake Street
Homer, AK 99603

Jim Kingrey
Homer Electric Association
3977 Lake Street
Homer, AK 99603

Jan Konigsberg,
Director, Alaska Waters Coalition
Hydropower Reform Coalition;
7511 Labrador Circle, Suite 100
Anchorage, AK 99502

Kenai Natives Association, Inc.
15 Fidalgo Ave., #102
Kenai, AK 99611-7795

Kenaitze Indian Tribe
P.O. Box 988
Kenai, AK 99611

Knik Tribal Council
P.O. Box 871565
Wasilla, AK 99567

Tom Harris
Knikatnu Inc.
Box 872130
Wasilla, AK 99687

Raymond Theodore
President
Knikatnu Native Corporation
P.O. Box 872130
Wasilla, AK 99687-7476

Jim Brooks
Matanuska Electric Association
P.O. Box 2929
Palmer, AK 99645

Mayor Larry DeVilbiss
Matanuska-Susitna Borough
350 E. Dahlia Ave.
Palmer, AK 99645

Shannon Post,
Director LiDAR
Matanuska-Susitna Borough;
350 E. Dahlia Ave.
Palmer, AK 99645

Fran Seager-Boss
Archeologist
Matanuska-Susitna Borough
350 E. Dahlia Ave.
Palmer, AK 99645

Larry Engel
Matanuska-Susitna Borough;
350 E. Dahlia Ave.
Palmer, AK 99645

Mendas Cha-ag Native Corporation
457 Cindy Drive
Fairbanks, AK 99701

Mentasta Traditional Council
P.O. Box 6019
Mentasta, AK 99780

DISTRIBUTION LIST

Montana Creek Native Association
P.O. Box 100379
Anchorage, AK 99510

Municipality of Anchorage
632 West 6th Avenue
Anchorage, AK 99501

Thomas Meyer,
Attorney Advisor
National Oceanic and Atmospheric Administration
P.O. Box 21109
709 West 9th Street, Room 909A
Juneau, AK 99802-7414

National Oceanic and Atmospheric Administration
P.O. Box 21668
709 West 9th Street, Rom 420
Juneau, AK 99802-1668

Eric Rothwell, Hydrologist
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
222 West 7th Avenue, Box 43
Anchorage, AK 99513

Kate Savage, Energy Coordinator
National Marine Fisheries Service
National Oceanic and Atmospheric Administration
P.O. Box 21668
709 West 9th Street
Juneau, AK 99802

Susan Walker,
Hydroelectric Project Coordinator
National Marine Fisheries Service
P.O. Box 21668
709 West 9th St.
Juneau, AK 99802

Patrick Lavin,
Conservation Policy Advocate
National Wildlife Federation
National Oceanic and Atmospheric Administration
750 W 2nd Ave, Suite 200
Anchorage, AK 99501-2168

Native Village of Cantwell
P.O. Box 94
Cantwell, AK 99729

Native Village of Gakona
P.O. Box 102
Gakona, AK 99585

Native Village of Kluti-Kaah
P.O. Box 68
Copper Center, AK 99573

Native Village of Tazlina
P.O. Box 87
Glennallen, AK 99588

Native Village of Tetlin
P.O. Box TTL
Tok, AK 99779

Native Village of Tyonek
P.O. Box 82009
Tyonek, AK 99682

Nenana Native Association
P.O. Box 369
Nenana, AK 99764

Ninilchik Native Association, Inc.
701 West 41st, Suite 201
Anchorage, AK 99515

Ninilchik Traditional Council
P.O. Box 39070
Ninilchik, AK 99639

Northway Natives
P.O. Box 401
Northway, AK 99746

Northway Village
P.O. Box 516
Northway, AK 99764

Point Possession, Inc.
1321 Oxford Drive
Anchorage, AK 99503-6941

DISTRIBUTION LIST

Corinne Smith
The Nature Conservancy
715 L Street, Suite 100
Anchorage, AK 99501

Regulatory Commission of Alaska
1016 West 6th Avenue, Suite 400
Anchorage, AK 99501

Salamatof Native Association, Inc.
P.O. Box 2682
Kenai, AK 99611

Seldovia Native Association, Inc.
P.O. Drawer L
Seldovia, AK 99663

Seldovia Village Tribe
Drawer L
Seldovia, AK 99663

John J. Burns
Attorney General
State of Alaska
P.O. Box 110300
Juneau, AK 99811-0300

Brian Bjorkquist
Attorney General's Office
State of Alaska
1031 W. 4th Ave., #200
Anchorage, AK 99501

Governor Sean Parnell
State of Alaska
P.O. Box 110001
Juneau, AK 99811-0001

Senator Charlie Huggins
State of Alaska;
State Capitol, Room 423
Juneau, AK 99801

The Office of Senator Joe Thomas
ATTN: Grier Hopkins
State of Alaska;
1292 Sadler Way, Suite 314
Fairbanks, AK 99701

Representative Mark Neuman
State of Alaska;
State Capitol, Room 513
Juneau, AK 99801

Tanacross, Inc.
22808 Green Garden Road
Chugiak, AK 99576

Tanacross Village Council
P.O. Box 76009
Tanacross, AK 99776

Tetlin Native Corporation
P.O. Box 657
Tok, AK 99780

Randall Hagenstein
Alaska State Director
The Nature Conservancy in Alaska
715 L Street, Suite 100
Anchorage, AK 99501

Toghotthele Corporation
P.O. Box 249
Nenana, AK 99760

Tim Bristol, Director
Trout Unlimited;
419 6th Street, Suite 200
Juneau, AK 99801

Trish Rolfe, Executive Director
Trustees for Alaska
106 West 4th Street, Suite 201
Anchorage, AK 99501

Tyonek Native Corporation
1689 C Street, Suite 219
Anchorage, AK 99501

DISTRIBUTION LIST

Steve Taylor
Chief Financial Officer
Tyonek Native Corporation
1689 C Street, Suite 219
Anchorage, AK 99501

Heidi Firstencel
Field Office Manager
U.S. Army Corps of Engineers;
P.O. Box 898
Anchorage, AK 99506-0898

Michiel Holley
Regulatory Branch, Team Lead
U.S. Army Corps of Engineers, AK District
P.O. Box 6898
JBER, AK 99506-0898

Victor Ross
Regulatory Branch, Team Lead
U.S. Army Corps of Engineers, AK District
P.O. Box 6898
JBER, AK 99506-0898

Shannon Morgan
Chief, Regulatory Branch
U.S. Army Corps of Engineers, AK District
P.O. Box 6898
JBER, AK 99506-0898

Robert N. Jones,
State Conservationist
U.S. Department of Agriculture;
Natural Resources Conservation Service
800 W Evergreen Avenue, Suite 100
Palmer, AK 99645-6539

Michael Baffrey
Office of the Secretary
U.S. Department of Interior
1689 C Street, Suite 100
Anchorage, AK 99501

Lee Koss
Division of Resources Hydrologist
U.S. Department of Interior;
Bureau of Land Management
222 W 7th Ave #13
Anchorage, AK 99507

Gary Reimer, District Manager
U.S. Department of Interior;
Bureau of Land Management
4700 BLM Road
Anchorage, AK 99507

Tim Sundlov, Fish Biologist
U.S. Department of Interior;
Bureau of Land Management
P.O. Box 147
Mile Post 186.5 Glenn Hwy.
Glennallen, AK 99588

Mike Sondergaard, Hydrologist
U.S. Department of Interior;
Bureau of Land Management
P.O. Box 147
Mile Post 186.5 Glenn Hwy.
Glennallen, AK 99588

Elijah Waters, Acting Field Manager
U.S. Department of Interior;
Bureau of Land Management
P.O. Box 147
Mile Post 186.5 Glenn Hwy.
Glennallen, AK 99588

John Jangala
U.S. Department of Interior;
Bureau of Land Management
P.O. Box 147
Mile Post 186.5 Glenn Hwy.
Glennallen, AK 99588

Pamela Bergmann,
Regional Environmental Officer
U.S. Department of Interior;
Environmental Policy and Compliance
1689 C Street, Room 119
Anchorage, AK 99501-5126

DISTRIBUTION LIST

Michael Buntjer
Conservation Planning Assistance Brand Chief
U.S. Department of Interior;
Fish and Wildlife Service
605 West 4th Street, Room G-61
Anchorage, AK 99501

Richard Enriquez
U.S. Department of Interior;
Fish and Wildlife Service
3000 Vintage Boulevard, Suite 201
Juneau, AK 99801

Ann Rappoport, Field Supervisor
U.S. Department of Interior;
Fish and Wildlife Service
605 West 4th Street, Room G-61
Anchorage, AK 99501

Betsy McCracken, Biologist
U.S. Department of Interior;
Fish and Wildlife Service
605 West 4th Street, Room G-61
Anchorage, AK 99501

Bill Rice, Hydrologist
U.S. Department of Interior;
Fish and Wildlife Service
605 West 4th Avenue
Rm. G-61
Anchorage, AK 99501

U.S. Department of Interior;
National Park Service;
Alaska Regional Office
240 West 5th Avenue
Anchorage, AK 99501

Paul Anderson, Superintendent
U.S. Department of Interior;
National Park Service;
P.O. Box 9
Denali National Park and Preserve
Denali Park, AK 99755

Lisa Holzapfel,
Program Manager
U.S. Department of Interior;
National Park Service;
240 West 5th Avenue
Anchorage, AK 99501

Center Director
U.S. Department of Interior;
U.S. Geological Survey
4210 University Drive
Anchorage, AK 99508

David Meyer, Hydrology
U.S. Department of Interior;
U.S. Geological Survey
4210 University Drive
Anchorage, AK 99508

U.S. Environmental Protection Agency
Region 10
1200 Sixth Avenue, Suite 900
Seattle, WA 98101

Jennifer Curtis
U.S. Environmental Protection Agency
222 W 7th Ave. #19
Anchorage, AK 99513

Matthew LaCroix
Office of Ecosystems, Tribal & Public Affairs
Aquatic Resources Unit
U.S. Environmental Protection Agency
222 W 7th Ave. #19
Anchorage, AK 99513

Honorable Don Young
U.S. House of Representatives
2314 Rayburn House Office Building
Washington, D.C. 20515-0201

Honorable Lisa Murkowski
U.S. Senate
709 Hart Senate Office Building
Washington, D.C. 20515-0202

DISTRIBUTION LIST

Honorable Mark Begich
U.S. Senate
111 Russell Senate Office Building
Washington, D.C. 20510-0201

Village of Dot Lake
P.O. Box 2279
Dot Lake, AK 99737

Village of Salamatof
P.O. Box 2682
Kenai, AK 99611

Brad Evans, General Manager
Chugach Electric Association, Inc.
5601 Electron Drive
P.O. Box 196300
Anchorage, AK 99519-6330

Jim Posey, General Manager
Anchorage Municipal Light & Power
1200 East 1st Ave.
Anchorage, AK 99501

Brian Newton, General Manager
Golden Valley Electric Association
758 Illinois Street
P.O. Box 71249
Fairbanks, AK 99707-1249

Brad Janorschke, General Manager
Homer Electric Association
3977 Lake Street
Homer, AK 99603

Joe Griffith, General Manager
Matanuska Electric Association
P.O. Box 2929
Palmer, AK 99645

John Foutz, General Manager
City of Seward, Electric Utilities
P.O. Box 167
Seward, AK 99664

Z.J. Loussac Public Library
3600 Denali Street
Anchorage, AK 99503

Wasilla Meta-Rose Public Library
391 N Main St
Wasilla AK 99654

Talkeetna Public Library
23151 S Talkeetna Spur Rd
Talkeetna, AK 99676

Noel Wien Public Library
1215 Cowles Street
Fairbanks, AK 99701

Dot Lake Native Corporation
P.O. Box 2271
Dot Lake, AK 99737

UNITED STATES OF AMERICA
Before The
FEDERAL ENERGY REGULATORY COMMISSION

Alaska Energy Authority)	Susitna-Watana Hydroelectric Project
)	Project No. 14241

***Notice of Intent to File Application for Original License
And Request for Designation as Non-Federal Representative
And for Authorization to Initiate Consultation under
Section 106 of the National Historic Preservation Act***

I. Notification of Intent

The Alaska Energy Authority (AEA) hereby notifies the Commission of its intent to file an application for an original license for the unconstructed Susitna-Watana Hydroelectric Project (Project), to be located on the Susitna River in the Matanuska-Susitna Borough in Alaska.

The follow information is provided pursuant to 18 C.F.R. § 5.5(b).

(1) License Applicant Alaska Energy Authority
813 West Northern Lights Boulevard
Anchorage, AK 99503

Applicant Contacts Wayne Dyok
Susitna-Watana Project Manager
Alaska Energy Authority
Telephone: (907)-719-7022
Facsimile: (614) 337-6220
wdyok@aidea.org

Michael A. Swiger
Van Ness Feldman, PC
Telephone: (202) 298-1800
Facsimile: (202) 338-2416
mas@vnf.com

(2) FERC Project Number Project No. 14241

(3) Statement of Intent to File

AEA hereby unequivocally states its intent to file an application for an original license for the Susitna-Watana Hydroelectric Project No. 14241.

(4) Project Location and Description

The proposed Project is to be located on the Susitna River at river mile 184 above the river mouth, approximately halfway between Anchorage and Fairbanks, Alaska. The Susitna River has its headwaters in the mountains of the Alaska Range about 90 miles south of Fairbanks. It flows generally southwards for about 318 miles before discharging into Cook Inlet just west of Anchorage. The small, unincorporated Native village of Cantwell, in the Denali Borough, is located about 45 air miles from the proposed Project dam, while Anchorage is approximately 180 air miles generally south of the Project area.

The licensed Project would have a concrete gravity or rock-filled dam for which different configurations are under consideration with heights above the riverbed of approximately 700 to 800 feet. The crest length would be approximately 2,700 feet based on a 700 foot high dam, but somewhat longer if a project with a larger dam is proposed to be licensed. The Project would also have a 39-mile-long reservoir with a normal surface elevation of 2,000 feet mean sea level, a surface area of 20,000 acres, and a usable storage capacity of approximately 2,400,000 acre-feet based on a 700 foot dam, and commensurately greater dimensions if a project with a larger dam is proposed to be licensed.

Optimization studies are ongoing and the capacity of the Project eventually proposed for licensing is expected to be between 600 and 800 megawatts (MW) depending on results of future updates to the Railbelt Integrated Resource Plan. With a 600 MW installed capacity the powerhouse is initially sized for three 200 MW turbine-generator sets, but this may be modified to smaller unit sizes depending upon future electrical system studies. The Project would be constructed with an additional bay which may be used to accommodate a potential future capacity increase. The exact number and size of the generating units to be installed will be determined during the feasibility studies that are planned to be conducted prior to submittal of the license application. As currently envisioned up to three 230-kV primary transmission lines travelling westward to a point of interconnection with the Railbelt Intertie near Chulitna or northward to a point of interconnection with the Railbelt Intertie near Cantwell will be constructed to deliver Project output to the existing power grid.

(5) Cities, Towns, Political Subdivisions or Federal Facilities used by the Project

- (i) *Counties in which any part of the Project, and in which any federal facility that is to be used by the Project, would be located:*

Matanuska-Susitna Borough
350 East Dahlia Drive
Palmer, AK 99645

The Project will not use any federal facilities.

(ii) *Cities, Towns, and Similar Political Subdivisions:*

(1) *In which any part of the Project or federal facility that would be used by the Project would be located:*

None.

2) *With a population of 5,000 or more and is located within 15 miles of the Project facilities:*

None. The proposed Project is to be located on the Susitna River at river mile 184 above the mouth, approximately half-way between Anchorage and Fairbanks. The small, unincorporated Native village of Cantwell, in the Denali Borough, is located about 45 air miles from the proposed Project dam and powerhouse site.

(iii) *Irrigation districts, drainage districts, or similar special purpose political subdivisions:*

(1) *In which any part of the Project, and any federal facilities that would be used by the Project, would be located:*

None.

(2) *That owns, operates, maintains, or uses any project facilities or any federal facilities that would be used by the Project:*

None.

(iv) *Other political subdivisions in the general area of the Project that are likely to be interested in, or affected by, this notice of intent:*

Municipality of Anchorage
632 West 6th Avenue
Anchorage, Alaska 99501

Fairbanks Northstar Borough
P.O. Box 71267-1267
Fairbanks, AK 99701

Denali Borough
P.O. Box 480
Healy, AK 99743

(v) *Affected Indian tribes:*

The following Federally-recognized Tribes and other Alaska Native entities are likely to be interested in, or be affected by, the proposed Project:

Regional Corporations		
Ahtna, Inc. P.O. Box 649 Glennallen, AK 99588	Cook Inlet Region, Inc. 2525 C St., Suite 500 Anchorage, AK 99503	Doyon, Ltd. 1 Doyon Place, Suite 300 Fairbanks, AK 99701
Group Corporations		
Alexander Creek, Inc. 8126 Wisteria St Anchorage, AK 99502-4573	Caswell Native Association HC 89, Box 83 Willow, AK 99688	Gold Creek-Susitna NCI P.O. Box 847 Talkeetna, AK 99676
Montana Creek Native Association P.O. Box 100379 Anchorage, AK 99510	Point Possession, Inc. 1321 Oxford Dr Anchorage, AK 99503-6941	
Urban Corporations		
Kenai Natives Association, Inc. 15 Fidalgo Ave #102 Kenai, AK 99611-7795		
Village Corporations		
Chickaloon-Moose Creek Native Association P.O. Box 875046 Wasilla, AK 99674	Chitina Native Corporation P.O. Box 3 Chitina, AK 99566	Dot Lake Native Corporation P.O. Box 2271 Dot Lake, AK 99737
Eklutna, Inc. 16515 Centerfield Drive, Suite 201 Eagle River, AK 99577	Knikatnu, Inc. P.O. Box 872130 Wasilla, AK 99687	Mendas Cha-ag Native Corporation 457 Cindy Drive Fairbanks, AK 99701
Ninilchik Native Association, Inc. 701 West 41st, Suite 201 Anchorage, AK 99515	Northway Natives P.O. Box 401 Northway, AK 99764	Salamatof Native Association, Inc. P.O. Box 2682 Kenai, AK 99611

Seldovia Native Association, Inc. P.O. Drawer L Seldovia, AK 99663	Tanacross, Inc. 22808 Green Garden Road Chugiak, AK 99576	Tetlin Native Corporation P.O. Box 657 Tok, AK 99780
Toghotthele Corporation P.O. Box 249 Nenana, AK 99760	Tyonek Native Corporation 1689 C Street, Ste. 219 Anchorage, AK 99501	
Federally Recognized Tribes		
Cheesh-Na Tribal Council P.O. Box 241 Chistochina, AK 99586	Chickaloon Native Village P.O. Box 1105 Chickaloon, AK 99674	Chitina Traditional Village Indian Council P.O. Box 31 Chitina, AK 99566
Eklutna Native Village 26339 Eklutna Village Rd. Chugiak, AK 99567	Gulkana Village P.O. Box 254 Gakona, AK 99586	Healy Lake Village P.O. Box 74090 Fairbanks, AK 99706
Kenaitze Indian Tribe P.O. Box 988 Kenai, AK 99611	Knik Tribal Council P.O. Box 871565 Wasilla, AK 99567	Mentasta Traditional Council P.O. Box 6019 Mentasta, AK 99780
Native Village of Cantwell P.O. Box 94 Cantwell, AK 99729	Native Village of Gakona P.O. Box 102 Gakona, AK 99585	Native Village of Kluti-Kaah P.O. Box 68 Copper Center, AK 99573
Native Village of Tazlina P.O. Box 87 Glennallen, AK 99588	Native Village of Tetlin P.O. Box TTL Tok, AK 99779	Native Village of Tyonek P.O. Box 82009 Tyonek, AK 99682
Nenana Native Association P.O. Box 369 Nenana, AK 99760	Ninilchik Traditional Council P.O. Box 39070 Ninilchik, AK 99639	Northway Village P.O. Box 516 Northway, AK 99764
Seldovia Village Tribe Drawer L Seldovia, AK 99663	Tanacross Village Council P.O. Box 76009 Tanacross, AK 99776	Village of Dot Lake P.O. Box 2279 Dot Lake, AK 99737
Village of Salamatof P.O. Box 2682 Kenai, AK 99611		

(6) As required by 18 C.F.R. § 5.5(c) and other applicable law, AEA is providing a copy of this NOI to all federal, state, and interstate resource agencies, Alaska Native Corporations established under the Alaska Native Claims Settlement Act, Indian tribes, local governments, and members of the public likely to be affected by or interested in the proceeding, as set forth on the distribution list attached to the Pre-Application Document (PAD).

II. Designation as Non-Federal Representative and Authorization to Initiate Consultation

Pursuant to 18 C.F.R. § 5.6(c), AEA hereby requests to be designated the Commission's non-federal representative for purposes of consultation under Section 7 of the Endangered Species Act and the joint agency regulations thereunder at 50 CFR part 402, and Section 305(b) of the Magnuson-Stevens Fishery Conservation and Management Act and the implementing regulations at 50 CFR 600.9920. AEA also requests authorization to initiate consultation under Section 106 of the National Historic Preservation Act and the implementing regulations at 36 CFR 800.2(c)(4).

III. Public Notice

As required by 18 CFR 5.3(d)(2), AEA published notice of the filing of its Notification of Intent (NOI) and of the PAD contemporaneously with the filing date of the NOI in the following daily or weekly newspapers of general circulation in the project region: Anchorage Daily News, Alaska Journal of Commerce, Fairbanks Daily News Miner, Mat-Su Valley Frontiersman, and Homer News.