

DOE OFFICE OF INDIAN ENERGY

2021 Virtual DOE Office of Indian Energy Program Review



U.S. DEPARTMENT OF
ENERGY

Office of
Indian Energy

November 15-18, 2021

Deployment Supervisor – Lizana Pierce



Lizana Pierce

Senior Engineer, Deployment Supervisor, Office of Indian Energy Policy and Programs, Colorado

Lizana Pierce duty stationed in Colorado and serves as the principal engineering expert for the Director and Deputy Director on deployment programs. Mrs. Pierce is responsible for implementing the Office's Deployment Programs: Technical Assistance, Financial Assistance; and Education and Capacity Building. Ms. Pierce has 25 years of experience in energy technologies, project development, and management, and has dedicated 20 of those years to assisting Indian tribes in developing their energy resources. Ms. Pierce holds a Bachelor of Science degree in mechanical engineering from Colorado State University, and she pursued a Master's in Business Administration through the University of Northern Colorado.



Project Officer – T. Doe

Tweedie Doe

Project Officer, Office of Indian Energy Policy and Programs, Colorado

Ms. Tweedie Doe is Project Officer duty-stationed in Golden, Colorado. As a Project Officer she administers financial assistance awards to Indian tribes, Alaska Native villages, and tribal and inter-tribal organizations. Before joining the Office of Indian Energy, Tweedie served as a Project Officer for eight years with the DOE's Office of Energy Efficiency and Renewable Energy (EERE) under the Energy Efficiency and Conservation Block Grant (EECBG) Program.

Before joining DOE, Tweedie had the privilege of working with the Council of Energy Resource Tribes (CERT), where she gained valuable experience working with Tribal leadership. Ms. Doe has a Bachelor of Arts degree in Political Science at the University of Washington, and a Master of Arts in International Studies with emphasis on economics and human rights from the University of Denver. She obtained her Project Management Professional (PMP) certification in 2013 and is certified as a Project Officer and Contracting Officer Representative.



Engineer – Michael Stevenson



Michael Stevenson

Engineer, Office of Indian Energy Policy and Programs

Mike Stevenson joined the U.S. Department of Energy (DOE) Office of Indian Energy as an engineer in May 2021. Duty stationed in Golden, Colorado, he serves as a technical expert supporting technical assistance and administering financial assistance awards to Indian tribes, Alaska Native villages, and tribal and intertribal organizations.

Prior to joining the team at DOE, Mike spent the previous six years with the Department of the Interior (DOI) as an Electrical Engineer for the Division of Energy and Mineral Development (DEMD), an energy office under the Bureau of Indian Affairs.



Engineer – Josh Gregory



Josh Gregory

Engineer, Office of Indian Energy Policy and Programs

Josh Gregory joined the U.S. Department of Energy (DOE) Office of Indian Energy as an engineer in September 2021. Duty stationed in Golden, Colorado, he serves as a technical expert supporting technical assistance and administering financial assistance awards to Indian tribes.

Prior to joining the team at DOE, Josh spent the previous five years with the Department of the Interior (DOI) as a Mechanical Engineer for the Division of Energy and Mineral Development (DEMD), an energy office under the Bureau of Indian Affairs. While at DEMD, he assist Tribes with their energy planning, assessment and project development.



Engineer – Dan Smith



Dan Smith

Engineer, Office of Indian Energy Policy and Programs

Dan Smith joined the U.S. Department of Energy (DOE) Office of Indian Energy Policy and Programs as a general engineer in February 2021. Duty stationed in Anchorage, Alaska, he serves as a technical expert supporting technical assistance and administering financial assistance awards to Alaska Native villages, Alaska Native regional and village corporations, and tribal and inter-tribal organizations. Mr. Smith originates from the Midwest around Chicago and studied Civil Engineering with a focus on hydraulic and water resources engineering.



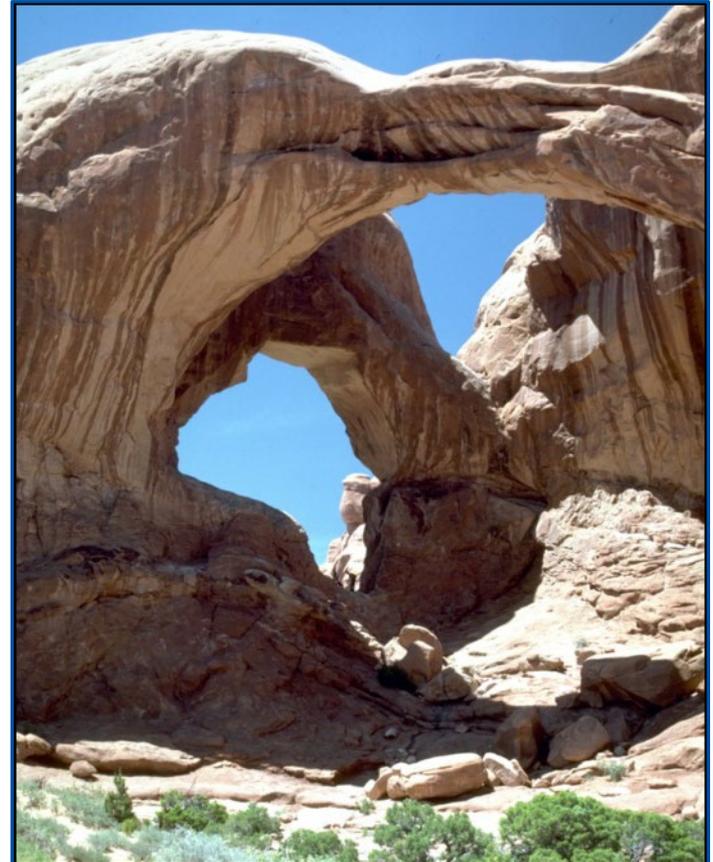
After completing his education, he moved to Alaska to pursue his personal mission of building infrastructure, where he worked for Alaska Energy Authority (AEA) on a large hydroelectric projects and other smaller renewable energy projects. After a tenure at AEA, he began work with the Alaska Native Tribal Health Consortium (ANTHC), where he worked on energy systems used for providing drinking water and sanitation infrastructure in Native villages across the State of Alaska.

Event Details



Program Review Purpose

- Reporting Requirement of the Grant Agreements
- Annual Project Progress Update (Presentations)
- Share Successes and Lessons Learned (Information Transfer)
- Venue for Networking



Monday November 15, 2021 – Session 1

Session 1 Agenda

- Welcome
- Invocation
- Director Welcome
- Office of Indian Energy Overview
- Deployment Team Introductions
- Project Introductions
- Project Presentations
 - Bad River Band of Lake Superior (WI)
 - Akwesasne Housing Authority (NY)
 - Aha Macav Power Service (AZ)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
Agenda 2021 Program Review November 15-18, 2021		
MONDAY, November 15 th (10:00 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 1: Welcome and Energy Infrastructure Deployment Projects		
10:00 a.m.	Welcome	Lizana Pierce
10:10 a.m.	Invocation	Bernadette Cuthair
10:15 a.m.	Director Welcome	Wahleah Johns
10:25 a.m.	DOE Office of Indian Energy Overview	Lizana Pierce
10:45 a.m.	Deployment Team Introductions	Lizana Pierce
10:55 a.m.	Purpose, Agenda & Introductions	Tweedie Doe
11:00 a.m.	Bad River Band of Lake Superior Tribe of Chippewa Indians (WI): Ishkonige Nawadid – Solar Project	Daniel Wiggins, Jr., Amy Simpkins, & Travis Simpkins
11:20 a.m.	Akwesasne Housing Authority (NY): Community-Scale AHA Go Solar Initiative and Net Zero Initiative	Elizabeth Jacobs
11:40 a.m.	Aha Macav Power Service (AZ): Fort Mohave Indian Tribe Aha Macav Power Service Renewable Energy Project #1	Fernando Parra
12:00 p.m.	Q&As	
12:15 p.m.	Adjourn Session 1 (Break)	

Monday November 15, 2021 – Session 2

Session 2 Agenda

- Project Introductions
- Project Presentations
 - San Xavier District of Tohono O’odham Nation (AZ)
 - Rosebud Sioux Tribe (SD)
 - Flandreau Santee Sioux Tribe (SD)
 - Oneida Indian Nation (NY)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
MONDAY, November 15 th (10:00 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 2: Energy Infrastructure Deployment Projects		
12:35 p.m.	Purpose, Agenda & Introductions	Lizana Pierce
12:45 p.m.	San Xavier District of Tohono O’odham Nation (AZ): San Xavier District Solar Energy Project for the Administration Building and the Education Center	Jerry Carlyle Sandi Alvarez Michael LaBarba
1:05 p.m.	Rosebud Sioux Tribe (SD): Sicangu Village Solar Project	Ken Haukaas Tim Willink
1:25 p.m.	Flandreau Santee Sioux Tribe (SD): Solar Energy Development on the FSST Reservation	Robert Byrnes
1:45 p.m.	Oneida Indian Nation (NY): Oneida Indian Nation’s Facility Energy Efficiency Project	Karen Six
2:05 p.m.	Q&As	
2:20 p.m.	Adjourn Session 2 (Break)	

Monday November 15, 2021 – Session 3

Session 3 Agenda

- Project Introductions
- Project Presentations
 - Igiugig Village Council (AK)
 - Hughes Village Council (AK)
 - NANA Regional Corporation (AK)
 - Alaska Village Electric Cooperative (AK)
- Q&As
- Closing
- Adjourn

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
MONDAY, November 15th (10:00 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 3: Energy Infrastructure Deployment Projects		
2:40 p.m.	Purpose, Agenda & Introductions	Lizana Pierce
2:50 p.m.	Igiugig Village Council (AK): A Resilient and Autonomous Microgrid Powered by Marine Renewable Energy for the Village of Igiugig, Alaska	Karl Hill
3:10 p.m.	Hughes Village Council (AK): Sustainable Solar Energy for Hughes Village (Hudot'eekkaak'e]Tribe)	David Messier
3:30 p.m.	NANA Regional Corporation (AK): Community-Scale Solar Energy Deployment in the Northwest Arctic	Sonny Adams & Brian Hirsch
3:50 p.m.	Alaska Village Electric Cooperative (AK): Stebbins and St. Michael Wind Energy Construction Project	Forest Button
4:10 p.m.	Q&As	
4:25 p.m.	Closing	
4:30 p.m.	Adjourn Session 3	

Tuesday November 16, 2021 – Session 4

Session 4 Agenda

- Welcome
- Project Introductions
- Project Presentations
 - Colusa Indian Community Council (CA)
 - Colusa Indian Community Council (CA)
 - Oglala Sioux (Lakota) Housing (SD)
 - Bishop Paiute Tribe (CA)
- Q&As

		
TUESDAY, November 16 th (10:30 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 4: Welcome and Energy Infrastructure Deployment Projects		
10:30 a.m.	Welcome	Lizana Pierce
10:35 a.m.	Purpose, Agenda & Introductions	Trweedie Doe
10:40 a.m.	Colusa Indian Community Council (CA): Housing Energy Connection Project	Ken Ahmann
11:00 a.m.	Colusa Indian Community Council (CA): Solar Canopy Expansion Project	Ken Ahmann
11:20 a.m.	Oglala Sioux (Lakota) Housing (SD): Oglala Omaste 2020 (Oglala Sunshine) Solar Installations	Tom Allen
11:40 a.m.	Bishop Paiute Tribe (CA): Bishop Paiute Tribe Residential Solar Program – Phase IV	Brian Adkins Lisa Castilone
12:00 p.m.	Q&As	
12:15 p.m.	Adjourn Session 4 (Break)	

Tuesday November 16, 2021 – Session 5

Session 5 Agenda

- Project Introductions
- Project Presentations
 - Federated Indians of Graton Rancheria (CA)
 - Blackfeet Community College (MT)
 - Pala Band of Mission Indians (CA)
 - Pechanga Band of Luiseno Mission Indians (CA)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
TUESDAY, November 16 th (10:30 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 5: Energy Infrastructure Deployment Projects & Planning Grant		
12:35 p.m.	Purpose, Agenda & Introductions	Tweedie Doe
12:45 p.m.	Federated Indians of Graton Rancheria (CA): Graton Renewable Energy Efficiency Network (GREEN)	R.T. Browning
1:05 p.m.	Blackfeet Community College (MT): Blackfeet Community College Sustainable Energy Project	Melissa Weatherwax
1:25 p.m.	Pala Band of Mission Indians (CA): Pala Community Microgrids Project	Shasta Gaughen
1:45 p.m.	Pechanga Band of Luiseno Mission Indians (CA): Improving Energy Efficiency and Self-Sufficiency on the Pechanga Indian Reservation	Pi-Ta Pitt
2:05 p.m.	Q&As	
2:20 p.m.	Adjourn Session 5 (Break)	

Tuesday November 16, 2021– Session 6

Session 6 Agenda

- Project Introductions
- Project Presentations
 - Nuvista Light and Electric Cooperative, Inc. (AK)
 - Pribilof Islands Aleut Community of Saint Paul Island (AK)
 - Unalakleet Native Corporation (AK)
 - Kipnuk Light Plant (AK)
- Q&As
- Closing
- Adjourn

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
TUESDAY, November 16th (10:30 a.m. – 4:30 p.m. MDT)		
TIME	DESCRIPTION	PRESENTERS
Session 6: Energy Infrastructure Deployment Projects		
2:40 p.m.	Purpose, Agenda & Introductions	Dan Smith
2:50 p.m.	Nuvista Light and Electric Cooperative, Incorporated (AK): Nuvista Kwethluk Energy Storage (NKES)	Natalie Hanson
3:10 p.m.	Pribilof Islands Aleut Community of St. Paul Island (AK): Aleut Community Store Deep Energy Retrofit	Patrick Baker
3:30 p.m.	Unalakleet Native Corporation (AK): Unalakleet Microgrid Optimization for Tribal Community Resilience	Michelle Harvey Brian Hirsch
3:50 p.m.	Kipnuk Light Plant (AK): Kipnuk Light Plant Battery Energy Storage Project	Dennis Meiners
4:10 p.m.	Q&As	
4:25 p.m.	Closing	
4:30 p.m.	Adjourn Session 6	

Wednesday November 17, 2021 – Session 7

Session 7 Agenda

- Welcome
- Project Introductions
- Project Presentations
 - Rincon San Luiseno Band of Mission Indians (CA)
 - Rincon San Luiseno Band of Mission Indians (CA)
 - San Pasqual Band of Mission Indians (CA)
 - San Pasqual Band of Mission Indians (CA)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
WEDNESDAY, November 17th (10:30 a.m. – 4:30 p.m. MDT)		
TIME	DESCRIPTION	PRESENTERS
Session 7: Energy Infrastructure Deployment Projects		
10:30 a.m.	Welcome	Lizana Pierce
10:35 a.m.	Purpose, Agenda, & Introductions	Josh Gregory
10:40 a.m.	Rincon San Luiseno Band of Mission Indians (CA): Rincon Solar Microgrids Project	Josh Simmons
11:00 a.m.	Rincon San Luiseno Band of Mission Indians (CA): Rincon Government Center Microgrid Project	Josh Simmons
11:20 a.m.	San Pasqual Band of Mission Indians (CA): SPBMI Microgrid	John Flores
11:40 a.m.	San Pasqual Band of Mission Indians (CA): San Pasqual Band Of Mission Indians Community Solar 1	John Flores
12:00 p.m.	Q&As	
12:15 p.m.	Adjourn Session 7 (Break)	

Wednesday November 17, 2021 – Session 8

Session 8 Agenda

- Project Introductions
- Project Presentations
 - Seminole Tribe of Florida (FL)
 - Seminole Tribe of Florida (FL)
 - Spirit Lake Tribe (ND)
 - Quinault Indian Nation (WA)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
WEDNESDAY, November 17 th (10:30 a.m. – 4:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 8: Energy Infrastructure Deployment Projects		
12:35 p.m.	Purpose, Agenda & Introductions	Mike Stevenson
12:45 p.m.	Seminole Tribe of Florida (FL): Seminole Rural Reservation Resiliency Initiative	Harvey Rambarath
1:05 p.m.	Seminole Tribe of Florida (FL): Seminole Rural Reservation Resiliency - Brighton Solar	Harvey Rambarath
1:25 p.m.	Spirit Lake Tribe (ND): 1.5 MW Wind Turbine on Tribal Land near Fort Totten (1.5 MW Community Wind Energy Project)	Ryan Brown
1:45 p.m.	Quinault Indian Nation (WA): Taholah Relocation Integrated Energy System	Dr. Kelvin Frank
2:05 p.m.	Q&As	
2:20 p.m.	Adjourn Session 8 (Break)	

Wednesday November 17, 2021 – Session 9

Session 9 Agenda

- Project Introductions
- Project Presentations
 - Coeur d’Alene Tribe (ID)
 - Assiniboine and Sioux Tribes of the Fort Peck Reservation (MT)
 - Togiak Natives Limited (AK)
 - Native Village of Tyonek (AK)
- Q&As
- Closing
- Adjourn

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
WEDNESDAY, November 17th (10:30 a.m. – 4:30 p.m. MDT)		
TIME	DESCRIPTION	PRESENTERS
Session 9: Energy Infrastructure Deployment Projects		
2:40 p.m.	Purpose, Agenda & Introductions	Lizana Pierce
2:50 p.m.	Coeur d’Alene Tribe (ID): Coeur d’Alene Tribe Senior Housing Complex - Energy Efficiency and Solar Energy Project	Tiffany Allgood
3:10 p.m.	Assiniboine and Sioux Tribes of the Fort Peck Indian Reservation (MT): Fort Peck Tribes Wellness Center Energy Project (WCEP)	Deb Madison Terry Sukut
3:30 p.m.	Togiak Natives Limited (AK): Togiak Heat Recovery Project	Jim Fowler
3:50 p.m.	Native Village of Tyonek (AK): Tyonek Energy Efficiency Project	Justin Trenton
4:10 p.m.	Q&As	
4:25 p.m.	Closing	
4:30 p.m.	Adjourn Session 9	

Thursday November 18, 2021 – Session 10

Session 10 Agenda

- Project Introductions
- Project Presentations
 - Ute Mountain Ute Tribe (CO)
 - Northern Cheyenne Tribe (MT)
 - Spokane Indian Housing Authority (WA)
 - Spokane Indian Housing Authority (WA)
- Q&As

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
THURSDAY, November 18 th (10:30 a.m. – 2:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 10: Energy Infrastructure Deployment Projects		
10:30 a.m.	Welcome	Lizana Pierce
10:35 a.m.	Purpose, Agenda & Introductions	Tweedie Doe
10:40 a.m.	Ute Mountain Ute Tribe (CO): Ute Mountain Ute Tribe White Mesa Solar Initiative	Scott Clow
11:00 a.m.	Northern Cheyenne Tribe (MT): White River Community Solar on the Northern Cheyenne Reservation	Kyle Alderman
11:20 a.m.	Spokane Indian Housing Authority (WA): Children of the Sun Solar Energy Initiative	Clyde Abrahamson
11:40 a.m.	Spokane Indian Housing Authority (WA): Spokane Reservation Residential Solar Energy Project	Clyde Abrahamson
12:00 p.m.	Q&As	
12:15 p.m.	Adjourn Session 10 (Break)	

Thursday November 18, 2021 – Session 11

Session 11 Agenda

- Project Introductions
- Project Presentations
 - Hualapai Indian Tribe (AZ)
 - Forest County Potawatomi Community (WI)
 - Forest County Potawatomi Community (WI)
 - Tolowa Dee-ni' Nation (CA)
- Q&As
- Closing
- Adjourn

 U.S. DEPARTMENT OF ENERGY Office of Indian Energy		
THURSDAY, November 18 th (10:30 a.m. – 2:30 p.m. MDT)		
<u>TIME</u>	<u>DESCRIPTION</u>	<u>PRESENTERS</u>
Session 11: Energy Infrastructure Deployment Projects & Planning Grant		
12:35 p.m.	Purpose, Agenda & Introductions	Josh Gregory
12:45 p.m.	Hualapai Indian Tribe (AZ): Building Resiliency into the Grant Canyon West Micro-Grid	Kevin Davidson
1:05 p.m.	Forest County Potawatomi Community (WI): New Community Center Integrated EEMs and Solar Photovoltaic Generation System in the Forest County Potawatomi Community	Jerry Hauber
1:25 p.m.	Forest County Potawatomi Community (WI): Community-Scale Solar Photovoltaic for the Forest County Potawatomi Community and the Developing Residential Energy Usage Baselines and Energy Efficiency Options	Jerry Hauber
1:45 p.m.	Tolowa Dee-ni' Nation (CA): Renewable Solar Energy at Rowdy Creek Fish Hatchery	Jesse Nolan
2:05 p.m.	Q&As	
2:20 p.m.	Closing Remarks	
2:30 p.m.	Adjourn Session 11	