

## Metlakatla-Ketchikan Intertie

<b>Grantees</b>	Metlakatla Indian Community (Local Government)
<b>Technology Type</b>	TRANSMISSION
<b>Region</b>	Southeast
<b>AEDG Project Code</b>	10023

### REF Grants Received

Round	App	Grant Title	Grant #	AEA Project #	Phase	Start Date	End Date	Status
1	20	Metlakatla-Ketchikan Intertie Design and Permitting	2195429	409020	Final Design	8/28/08	12/31/16	Active
4	656	Metlakatla-Ketchikan Intertie	7040068	409020	Construction	7/1/11	6/30/16	Active

### Grant 2195429: Metlakatla-Ketchikan Intertie Design and Permitting

**Project Scope:** The Metlakatla Indian Community (MIC) through their electric utility Metlakatla Power and Light will use the grant funds to complete the design of the 34.5kV transmission line interconnecting the electric systems of Metlakatla Power & Light (MP&L) and Ketchikan Public Utilities (KPU). The proposed transmission line will follow an existing road and require a submarine cable to interconnect the Metlakatla electric system with the Ketchikan electric system. In addition, grant funds will be used to complete design upgrades to the various control systems of the Metlakatla electric system (including the governor and SCADA systems). These upgrades are necessary to accommodate the connection between the Metlakatla and Ketchikan electric systems.

Since July, 2009 the Metlakatla Indian Community has moved forward with this project by hiring a contractor to work on the designs needed and to further refine the specifications for the submarine crossing that will be needed to interconnect the two electric utilities.

**Project Status:** MIC has requested assistance from AEA in managing this grant. Progress has been stalled pending MIC letter which would address power sales, project management of grant, ownership and O&M responsibilities for the intertie. As of the end of 2014 MIC has contracted with HDR for project management services.

As of Nov. 30, 2013	Budget	Expenditures
Renewable Energy Funding	\$820,000.00	\$500,860.53
Other State Funding	\$0.00	\$0.00
<b>Total State</b>	<b>\$820,000.00</b>	<b>\$500,860.53</b>
Required Local Match	\$160,833.00	\$64,561.51
Federal Grant Funding	\$0.00	\$0.00
<b>Total Project Costs</b>	<b>\$980,833.00</b>	<b>\$565,422.04</b>

### Grant 7040068: Metlakatla-Ketchikan Intertie

**Project Scope:** The Metlakatla Indian Community (MIC) through their electric utility Metlakatla Power and Light will use the grant funds to complete the design of the 34.5kV transmission line interconnecting the electric systems of Metlakatla Power & Light (MP&L) and Ketchikan Public Utilities (KPU). The proposed transmission line will follow an existing road and require a submarine cable to interconnect the Metlakatla electric system with the Ketchikan electric system. In addition, grant funds will be used to complete design upgrades to the various control systems of the Metlakatla electric system (including the governor and SCADA systems). These upgrades are necessary to accommodate the connection between the Metlakatla and Ketchikan electric systems.

The grant tasks included in the draft award document include setting up a local project office, completion of all permits and final design, negotiation of applicable power sales agreements, and preparation of an economic feasibility study and a construction cost estimate.

**Project Status:** SEAPAs consultant McMillen prepared a report on hydro potential of Annette Island, and an MIC sponsored review was provided by D Hittle & Associates (along with HDR, EPS, Metlakatla F&W). Regarding the intertie, MIC awarded a