Alaska Energy Authority Agency Budget Overview

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Alaska Energy Authority

Presentation to House Finance DCCED Budget Subcommittee

February 9, 2017













Statutory and Regulatory Duty/Authority is AEA's Guidance



Alaska Energy Authority History

- Independent public corporation of the State of Alaska, created by the Legislature in 1976
- In 1999 the Legislature initiated the re-establishment of AEA as the State Energy Office by reuniting State energy programs with the AEA owned assets, and, renewed focus and funding for rural energy infrastructure
- When oil prices increased starting in 2007 (Alaska families and communities saw their energy costs sky rocket) there was a push for further focused state leadership for renewable energy development and energy planning
- AIDEA and AEA were asked to help develop a plan and manage new energy programs
- The Board of Directors responded through **by-law changes**, establishing a management structure within AIDEA and AEA that allowed for the **AEA** "**cost of energy**" **focus** to be independent of **AIDEA**'s "**jobs and economic development**" **focus**
- The legislature's 1993 consolidating action created the Shared Services Department within AIDEA and AEA which now brings almost 25 years of combined expertise and structural flexibility to address state energy issues.



Alaska Energy Authority Mission & Purpose

- AEA's mission: to reduce the cost of energy in AK
- 44.83.070: "The purpose of the Authority is to promote, develop, and advance the general prosperity and economic welfare of the people of the state by providing a means of financing and operating power projects and facilities that recover and use waste energy and by carrying out the powers and duties assigned to it under AS 42.45."



Alaska Energy Authority Mission & Purpose

AS 42.45.900. Assistance to rural utilities.

- (a) The authority **shall provide** technical assistance to rural utilities including catastrophe prevention programs and other training programs for utility projects. The authority **shall provide** rural utilities with the technical assistance and training that the utilities need to improve the **efficiency, safety, and reliability** of their power systems and to **prevent emergency situations** from developing. **At a minimum**, the **assistance and training** must include information on
 - (1) reducing **distribution line** losses;
 - (2) **installation of generators** that are more fuel efficient;
 - (3) **preventative maintenance** programs;
 - (4) safety inspections;
 - (5) installing and maintaining waste heat systems;
 - (6) improved **metering systems**;
 - (7) improved management and administration; and
 - (8) coordinating regional activities, including circuit rider maintenance programs.
- (b) In providing rural utilities with technical assistance and training, the authority shall give **priority to contracting with the private sector** for these services.





Four Primary Funding & Service Quadrants



Categorizing Alaska Energy Authority Activities



Urban



Categorizing Alaska Energy Authority Activities

Operating
Budget:
Programs/
Services

Capital
Budget:
Projects/
Infrastructure



Alaska Energy Authority Activities Quadrants

Rural Operating
Budget
Programs/Services

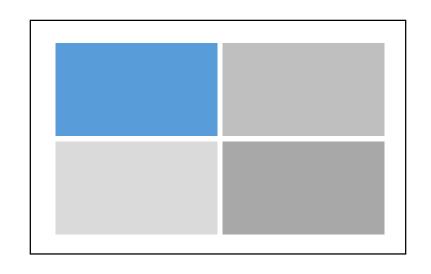
Rural Capital
Budget Projects/
Infrastructure

Urban Operating
Budget
Programs/Services

Urban Capital
Budget Projects/
Infrastructure



Rural Operating Budget Programs/Services



- PCE utility clerk training
- Utility operator training
- Technical assistance utility operators
- Circuit rider
- Electrical emergency response*
- Power Cost Equalization (PCE)
- Power Project Fund loans (PPF)
- Energy policy lead

*Though a recurring service this is funded by capital budget authorization

Urban Operating Budget Programs/Services



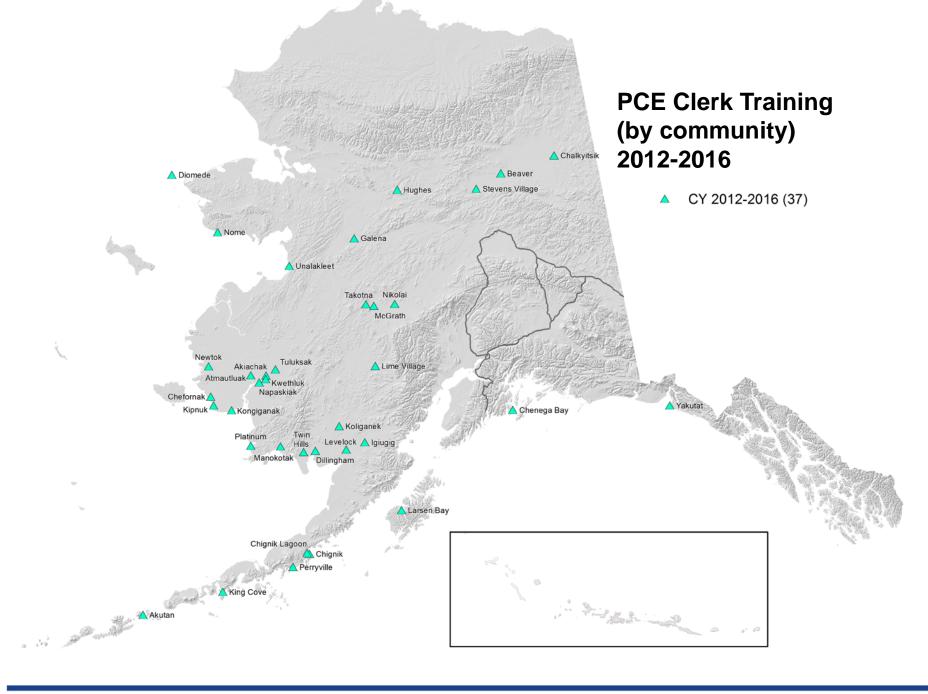
- Technical Assistance
- Energy Policy Lead
- Bradley Project Management Committee (BPMC)
- Intertie Management Committee (IMC)



Operating Budget Programs/Services

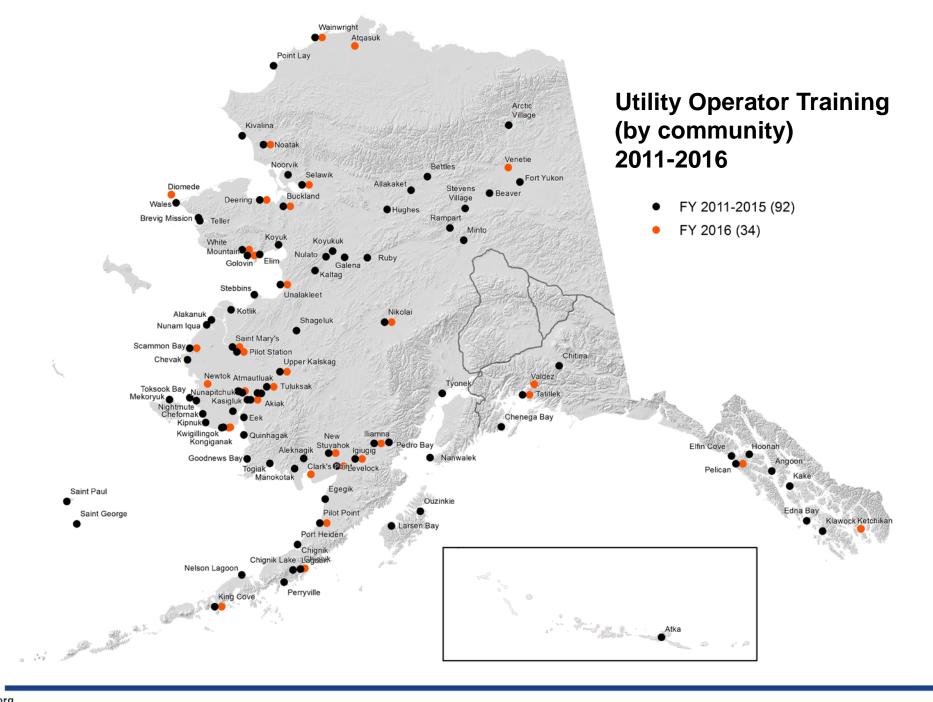




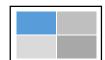


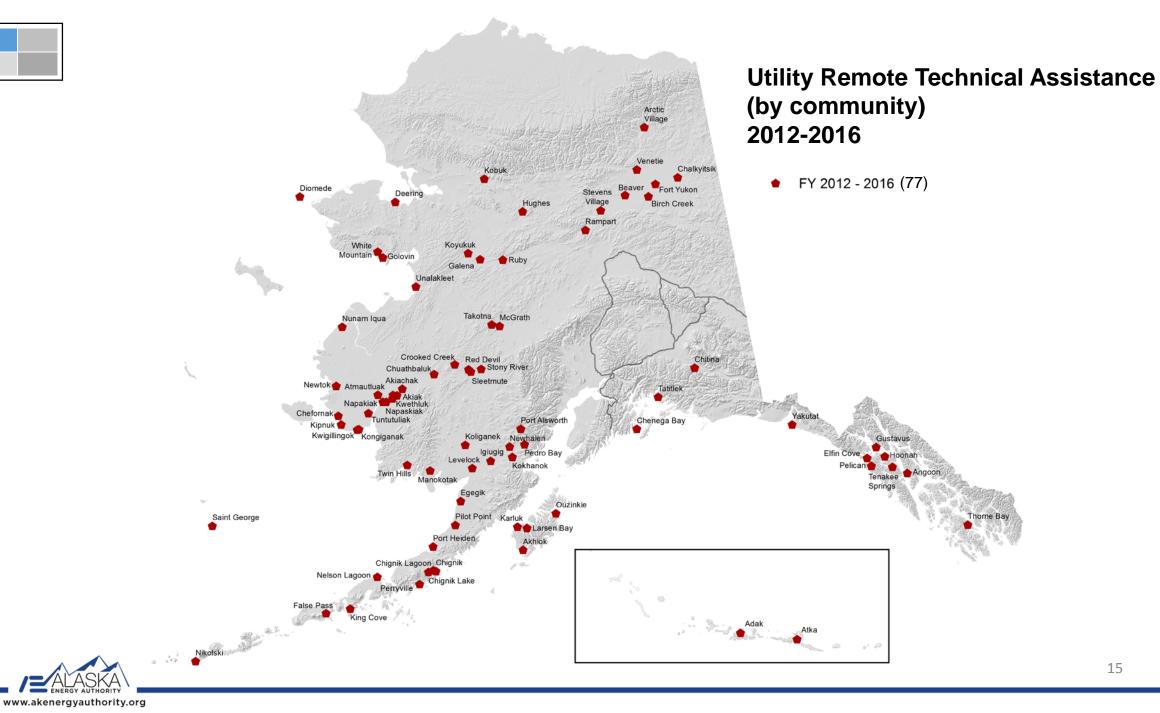




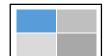


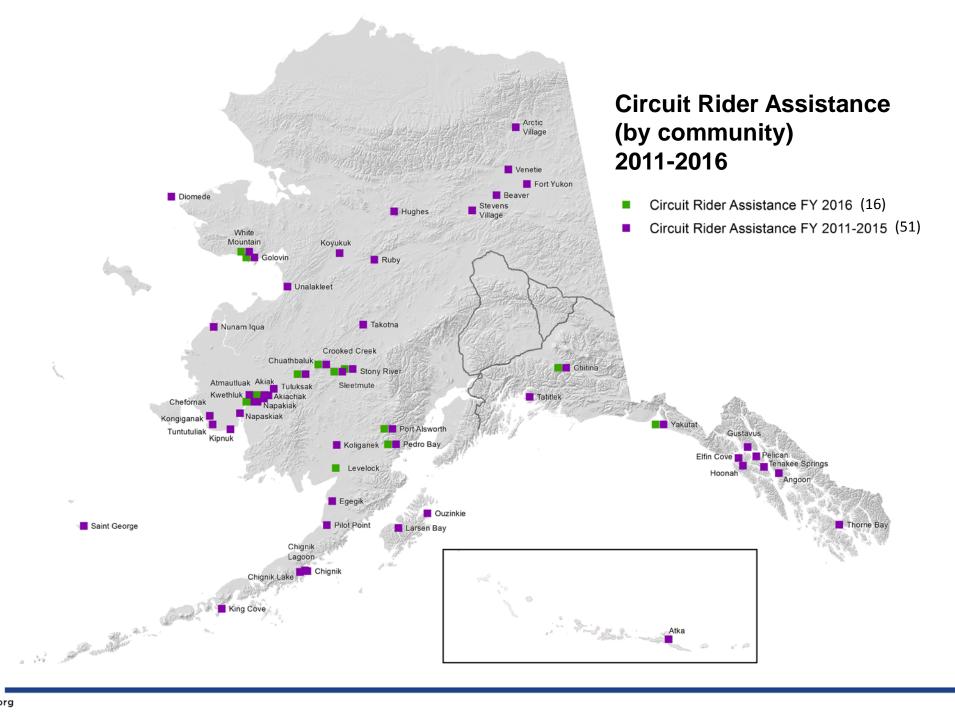




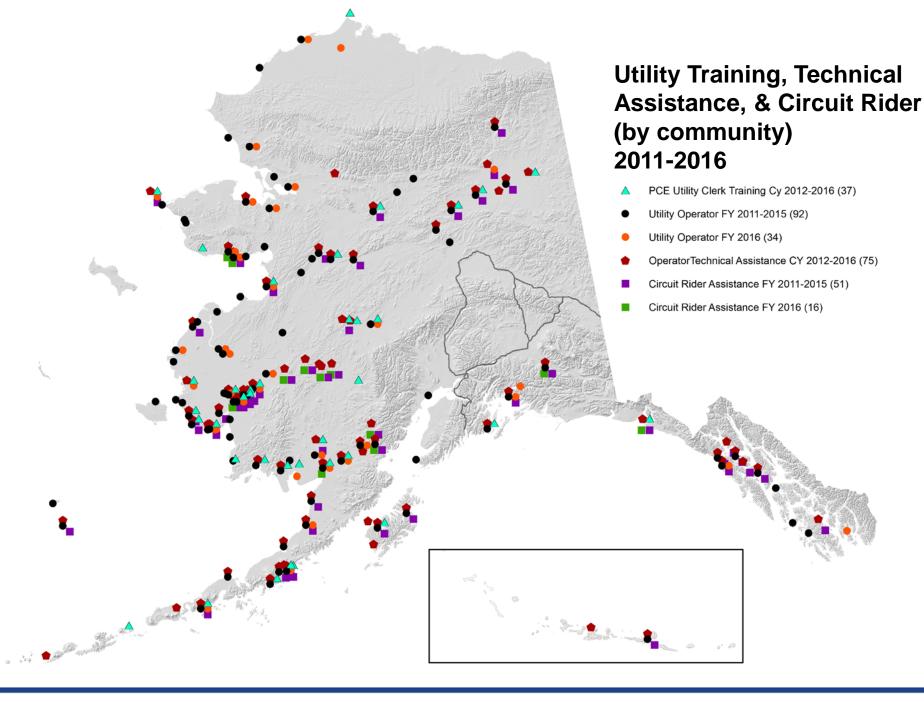


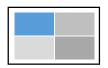










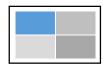


3 AAC 108.230. Electrical emergency assistance provided by the authority

(a) If a utility eligible under 3 AAC 108.210 suffers an electrical emergency, the authority will, subject to the availability of appropriations, assist the utility in responding to the emergency and recovering the ability to generate and transmit power to the utility's customers in a manner that does not constitute a significant threat to life or property. Assistance may include financial assistance or technical assistance, including emergency repairs.

(b) In this section, "electrical emergency" means a condition in a utility's system that presents an <u>imminent danger</u> to life or likelihood of significant disruption of electrical service.





Emergency Response Flow

















Regular Utility Operations

Power Outage AEA Emergency
Response
Activated: Phone
Call with Utility
Operator

Problem
Diagnosed by
AEA

Then the Utilities,
AEA Personnel
and/or Contractor
Engaged for
repairs

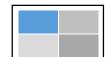
Power Restored, "Imminent Danger" is Over

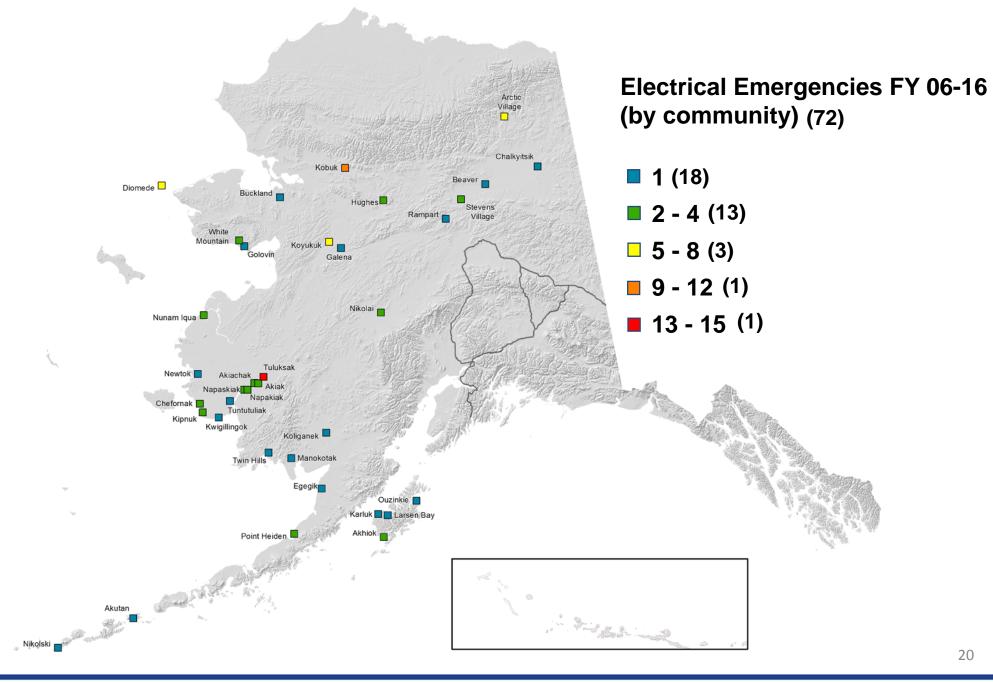
Most Emergency Response Calls are resolved within 12 - 48 Hours

Then it is the
utility's
responsibility, Regular
after the Utility
emergency Operations
response, to
complete the
permanent fix, if
required

Arctic Village: PPF \$ & Diomede: CDQ \$









Ten Year Average for Emergency Response

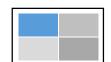
Туре	Cost	Percentage				
State Labor & Travel	\$525,190	18%				
Contractors	\$1,233,744	43%				
Freight	\$302,855	11%				
Materials & Supplies	<u>\$786,043</u>	28%				
Total	\$2,847,832					
Per year average	\$284,783					
72 Community Emergency Responses						

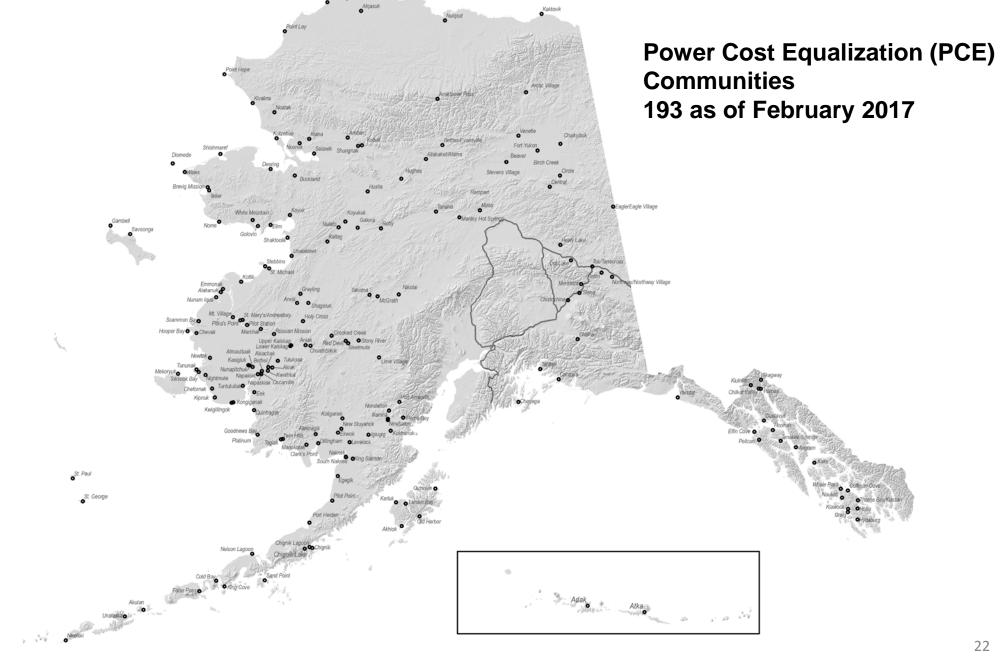
RPSU Emergencies -vs- Replacement Cost: \$285k Assistance/\$975M Rural Utility Assets -vs- \$100 Roadside Tire Assistance/\$30,000 Car

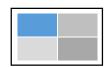
= 0.00029 = .029%

Car Analogy:

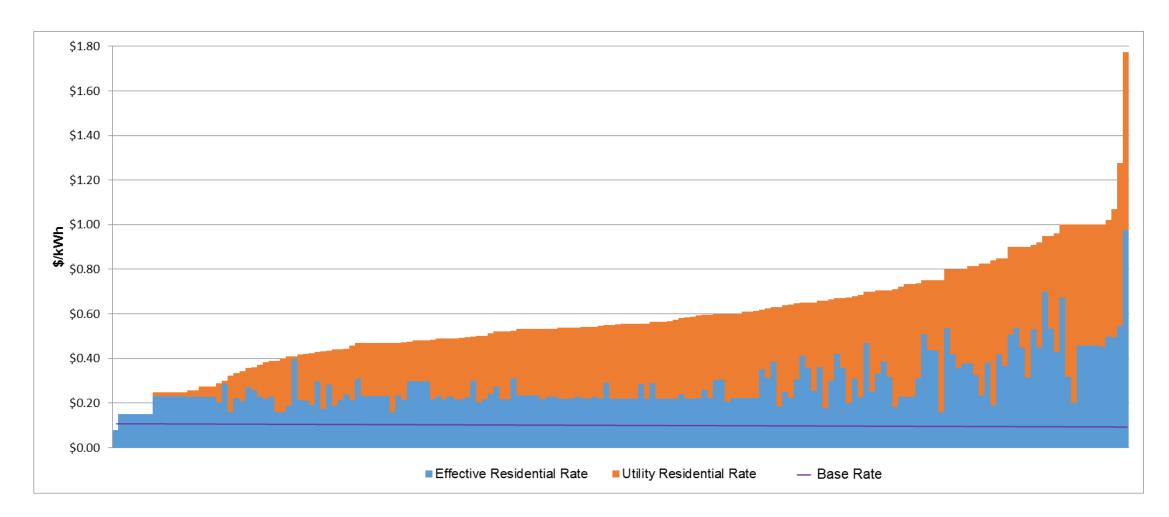
= 0.003 = .3% (10x cost)







Stabilizing Power Rates Power Cost Equalization Communities

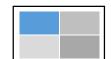


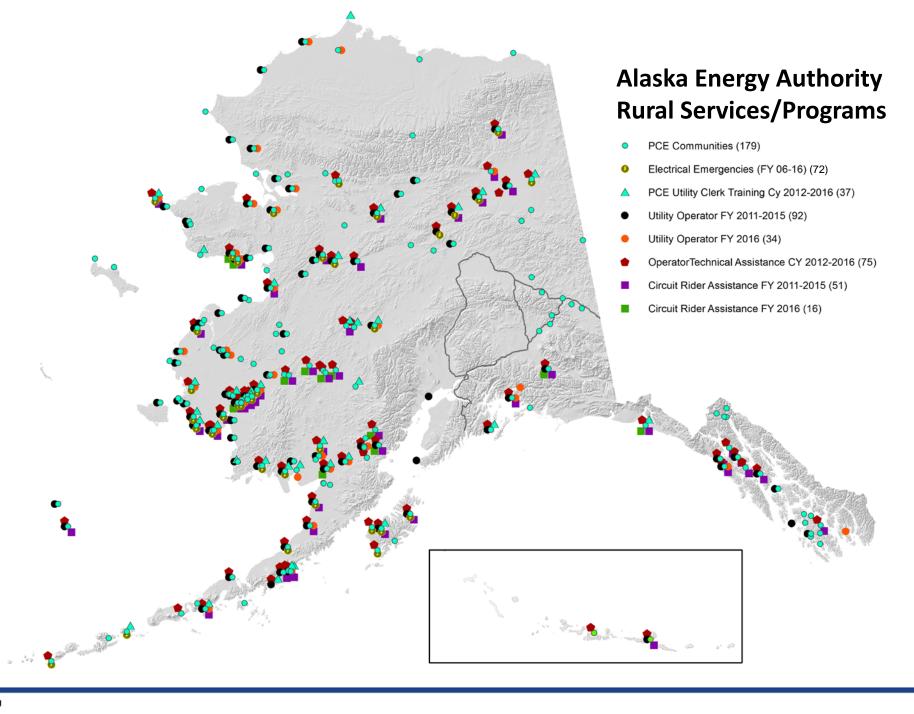


ALASKA ENERGY AUTHORITY FY2018 OPERATING BUDGET OVERVIEW (in thousands) All Component Summary

AEA All Components	FY2013 Actuals	FY2014 Actuals	FY2015 Actuals	FY2016 Actuals	% Change	FY2017 Authorized	FY2018 Governor	% Change
·								
Expenditure Categories:								
Travel	246.8	186.2	186.0	100.6		162.0	162.0	
Services (includes payroll)	9,465.0	10,565.8	10,620.3	9,741.0		9,662.0	8,948.2	
Supplies	172.2	177.2	192.1	122.6		56.0	56.0	
Equipment	90.4	134.4	113.3	20.1		15.0	15.0	
Grants	40,100.0	41,006.0	37,777.3	31,596.1		40,100.0	37,600.0	
Totals	50,074.4	52,069.6	48,889.0	41,580.4	-17%	49,995.0	46,781.2	-6%
Funding Sources:								
Unrestricted GF (UGF)	19,936.8	10,820.5	2,794.6	3,512.0	-82%	2,276.1	874.5	-62%
Power Project Fund (DGF)	1,053.2	1,053.2	1,053.2	551.4		995.5	995.5	
Renewable Energy (DGF)	1,927.5	1,758.3	2,155.0	2,068.2		2,000.0	2,000.0	
PCE Endowment (DGF)	22,875.8	33,091.0	38,132.3	31,951.1		40,355.0	38,236.8	
GF Program Receipts (DGF)	-	-	-	1.8		100.0	100.0	
Bulk Fuel (DGF)	53.6	-	-	-		-	-	
Subtotal (UGF & DGF)	45,846.9	46,723.0	44,135.1	38,084.5	-17%	45,726.6	42,206.8	-8%
CIP Receipts	3,873.5	4,758.8	4,243.2	3,241.7		2,567.8	2,567.8	
Federal Receipts	-	331.8	271.2	-		445.0	752.0	
AEA Receipts	244.7	256.0	224.6	253.8		981.7	980.7	
I/A Receipts	109.3	-	-	-		123.9	123.9	
Statutory Designated Program Receipts		-	14.9	0.4		150.0	150.0	
Totals	50,074.4	52,069.6	48,889.0	41,580.4	-17%	49,995.0	46,781.2	-6%





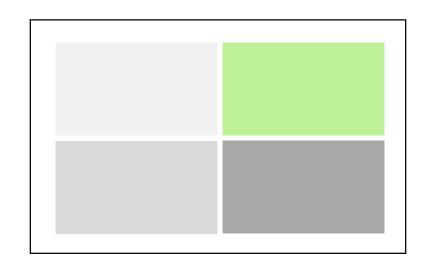




Capital Budget Projects/Infrastructure

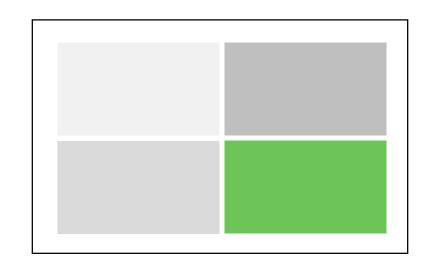


Rural Capital Budget Projects/Infrastructure



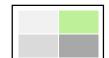
- Rural Power System Upgrades
- Bulk Fuel Tank Farms
- End-use Efficiency
- Hydroelectric Power
- Biomass
- Heat Recovery
- Wind Energy
- Energy Planning
- Renewable Energy Grant Fund
- Emerging Energy Technology Grant Fund

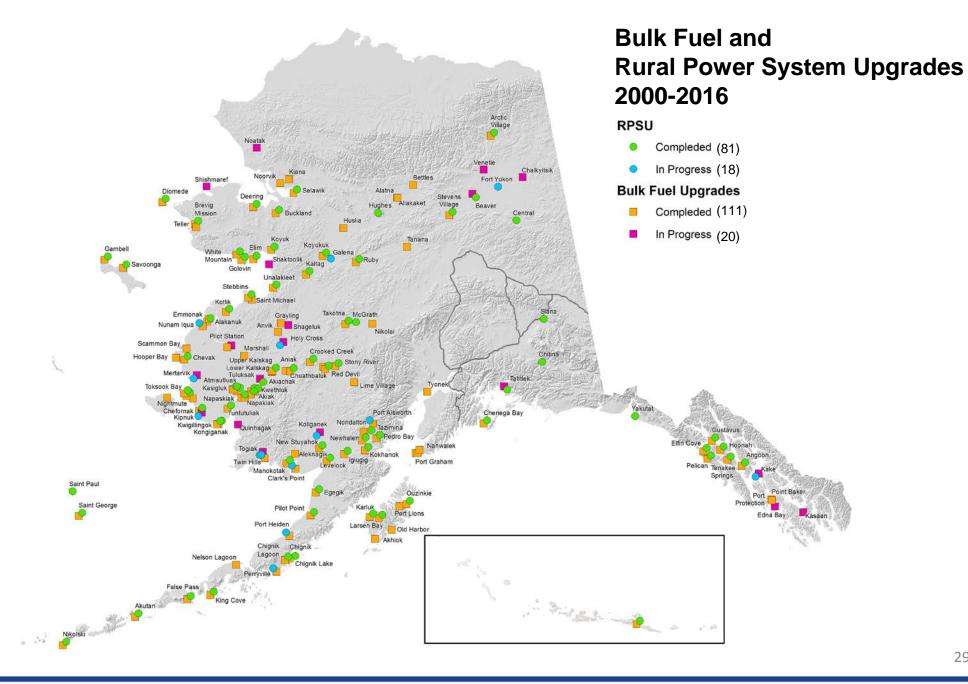
Urban Capital Budget Projects/Infrastructure



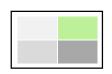
- Bradley Lake Hydroelectric
- Battle Creek Expansion (Bradley)
- Alaska Intertie
- Susitna-Watana Hydro (full shut down by July 1, 2017)
- Project Development & Finance Assistance (biomass, wind, hydro, end-use efficiency, diesel)
- Energy Planning
- Renewable Energy Grant Fund
- Emerging Energy Technology Grant Fund











Investing in rural energy projects brings benefits to communities

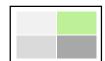
Rural Power System Upgrades (RPSU) Program

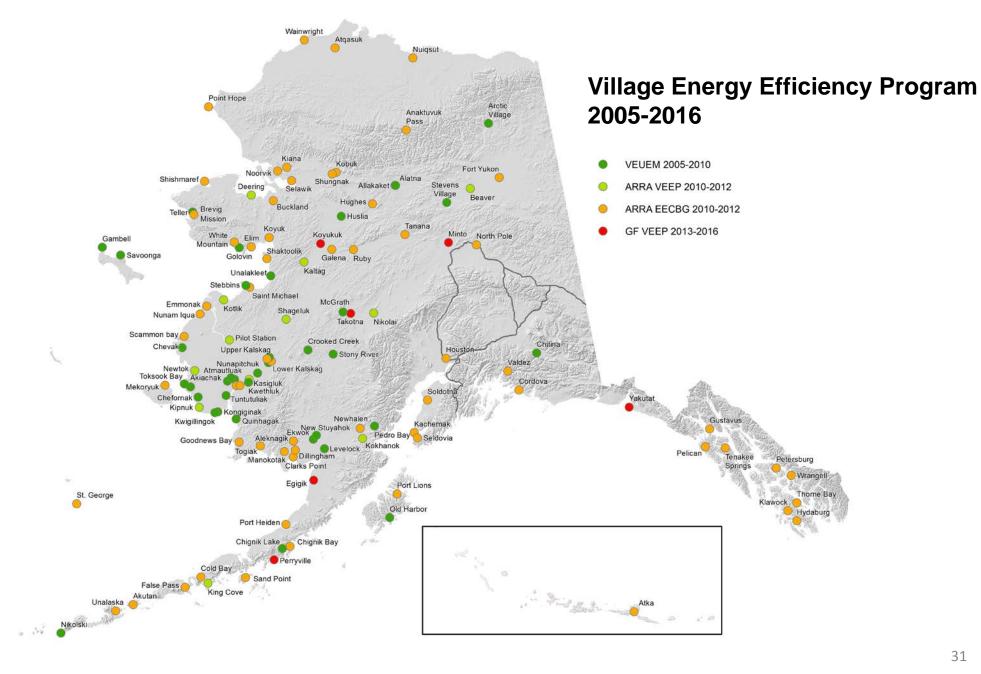
- Builds code compliant facilities providing stable and reliable power
- ~10% to 20% efficiency improvement in diesel generation
- Value of grant funds between \$0.12 and \$0.89/kWh

Bulk Fuel Tank Farm Upgrades Program

- Builds code compliant fuel storage facilities
- preventing spills and contamination
- decreasing the per unit cost of fuel by allowing the community to purchase bulk quantities



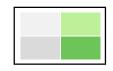






Renewable Energy Fund Grants Rounds 1-9 2008-2016 **Biomass or Biofuels Heat Pump Heat Recovery** Hydro Ocean/River **287 REF** Solar Transmission **Applications** Wind Other **Funded** 32

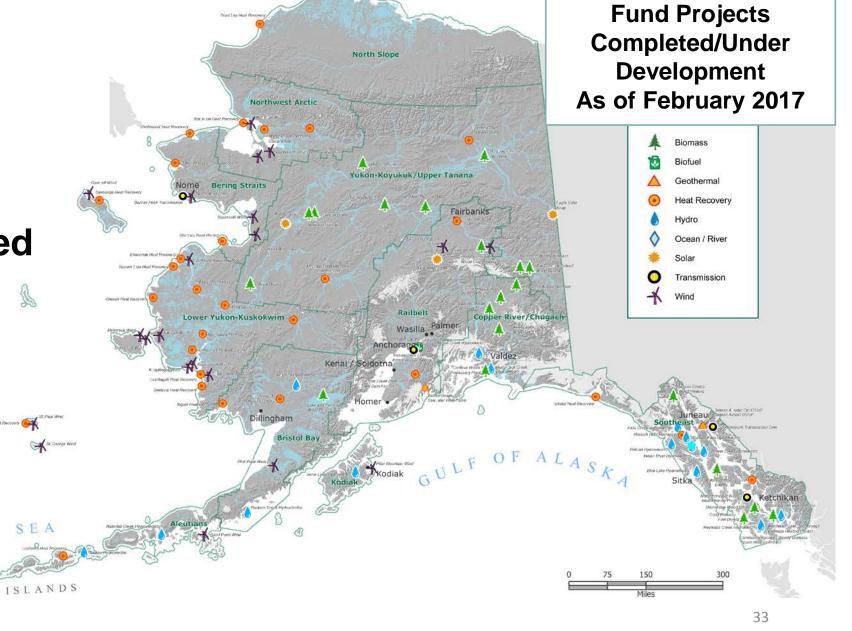
www.akenergyauthority.org



- 70 Projects Operational
- 21 Projects Funded
 Through
 Construction

BERING

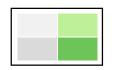
ALEUTIAN



OCEAN

Renewable Energy

ARCTIC



AEA Energy Projects are Effective

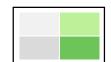
Renewable Energy Fund

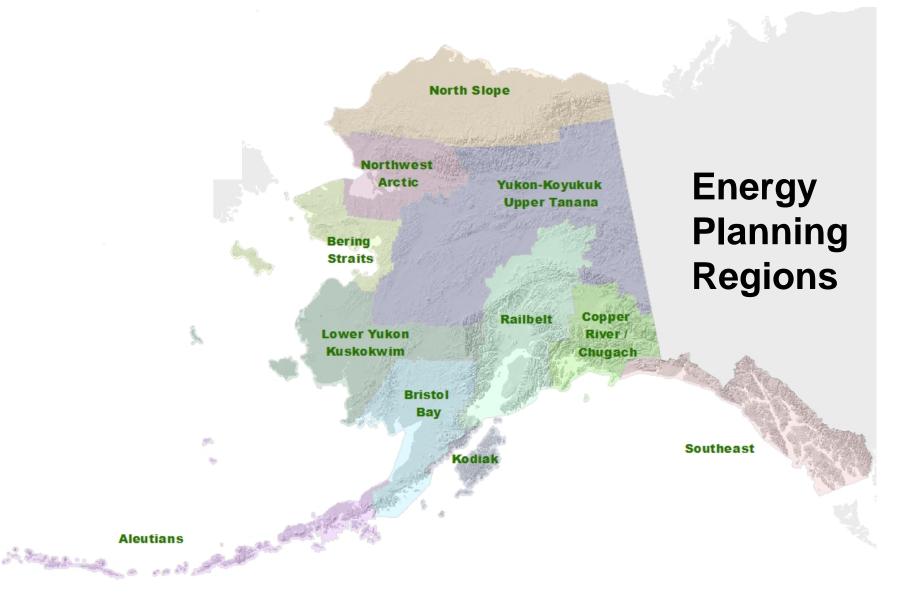
- \$257 million since 2008
- Jumpstarted renewable energy market in Alaska
- Leveraged hundreds of millions of federal and private dollars
- Displacing ~31 million diesel equivalent gallons annually
- Which equates to ~\$63 million in 2016



Eva Creek Wind (Golden Valley Electric)











AEA Owned Energy Infrastructure





AEA-Owned Energy Infrastructure

Alaska Intertie



- 173 miles from Willow to Healy
- Allows GVEA to connect to and benefit from lower cost power
- \$40 million average annual avoided cost to Golden Valley Electric Association



AEA-Owned Energy Infrastructure

Bradley Lake Hydro



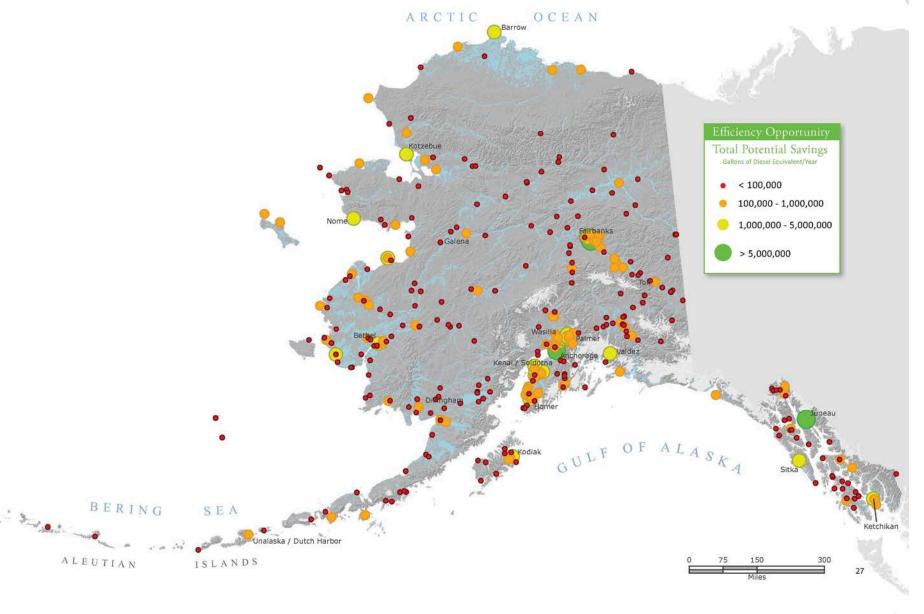
- Provides the Railbelt with low cost power
- All six Railbelt utilities benefit



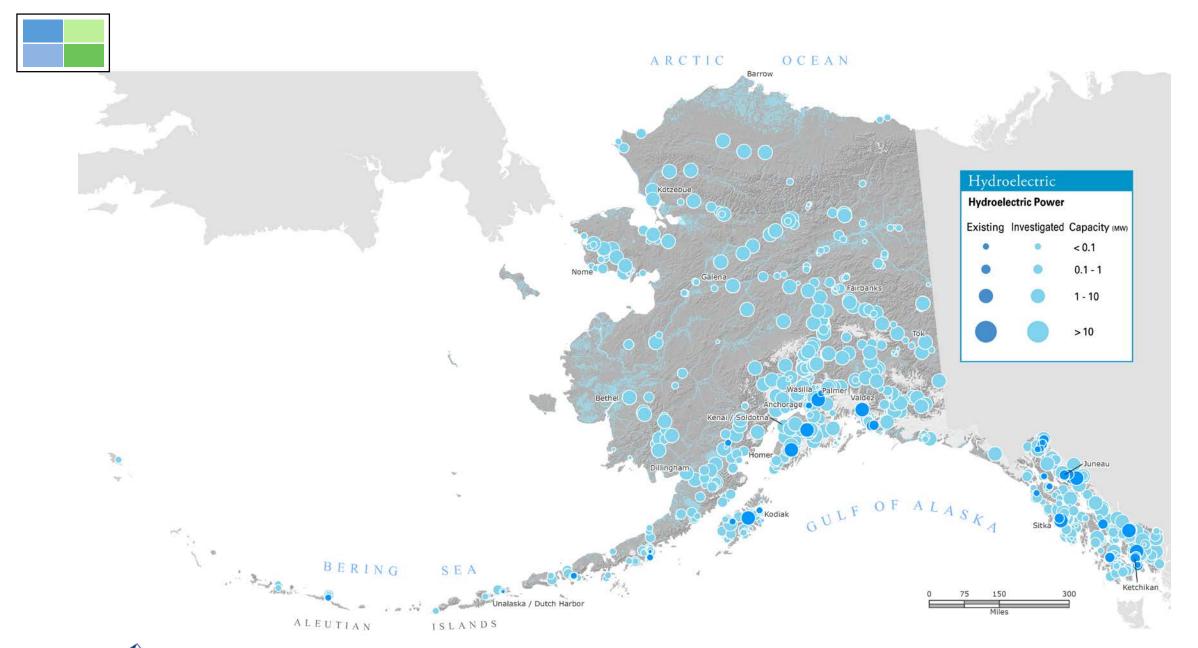
The Future: Project Development



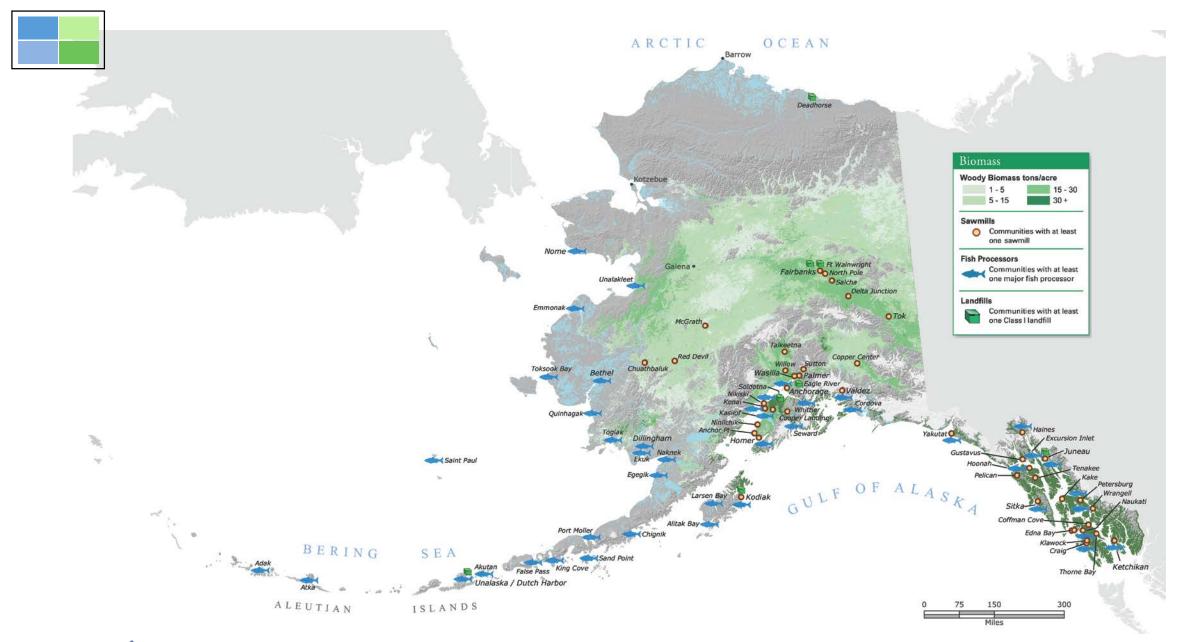




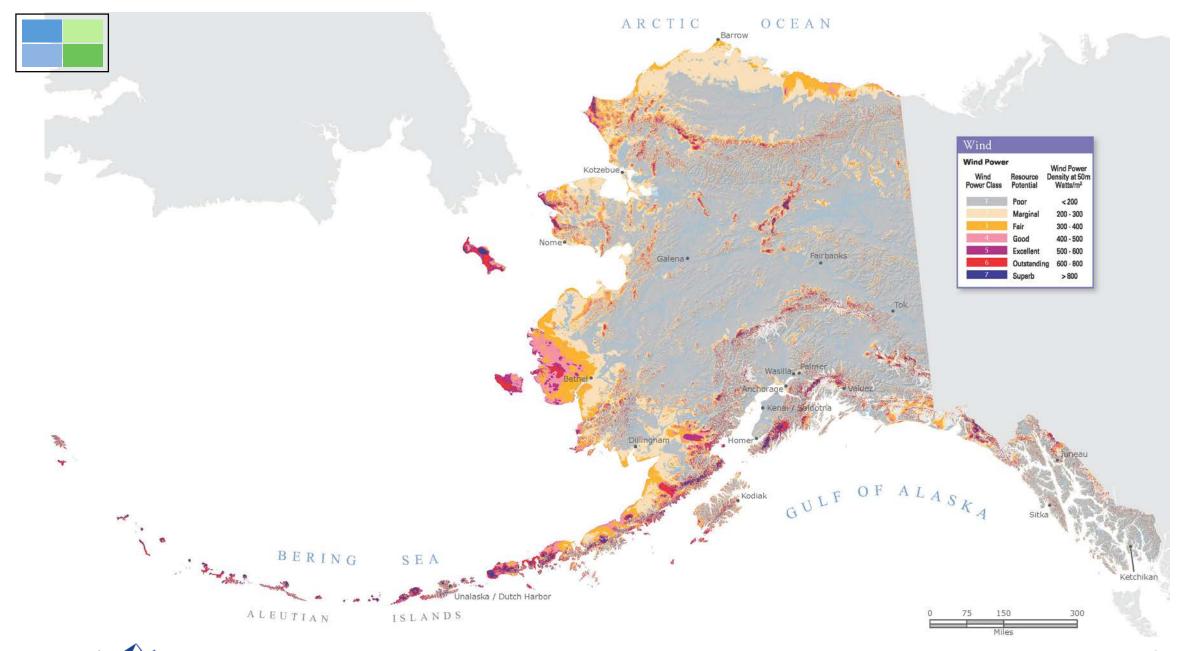
















The Power Project Fund

- Flexible loan program to meet community need
- Covers all aspects of supply side energy system
- Available for all phases of project development
- Technically, economically and financially viable
- Increased interest and activity in recent years
- Anticipate activity will continue to grow

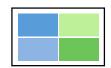


ALASKA ENERGY AUTHORITY Power Project Loan Fund Status as of January 31, 2017

			Balance at
		Jan	uary 31, 2017
Cash Balance		\$	40,672,307
Less Budget Commitments:			
FY2017 Remaining Operating	822,319		
FY2018 Operating Budget (Governor's budget)	995,500		
Subtotal Budget Commitment	ts	_	(1,817,819
Less Undisbursed Loans:			
Haida Energy Loan Reserve	82,718		
Haida Energy, Inc. (hydroelectric project construction)*	16,818,519		
City of Pelican (hydro lower penstock stabilization project)	61,000		
City of King Cove (waterfall creek hydro)	1,975,000		
Ungusraq Power Company (install new diesel genset/repairs to distribution system)	119,012		
Subtotal Undisbursed Loan Commitment	ts		(19,056,250)
* Legislative approval - \$9 million SLA2010 Ch. 70 Sec. 6 Page 3 Lines 17-22 & \$11 million FSSLA 2011 Ch. 6	Sec. 6 Page 4 Lines 23-	28	
Less Cordova Electric/Humpback Creek legislatively restricted fund capitalization			(10,000,000)
Uncommitted Loan Fund Balanc	ee	\$	9,798,239
Subtotal Pending Submitted Loan Application	ns		
Available Loan Fund Balanc	e	\$	9,798,239

AEA Outstanding Loan Balance as of January 31, 2017 was \$9,401,492.

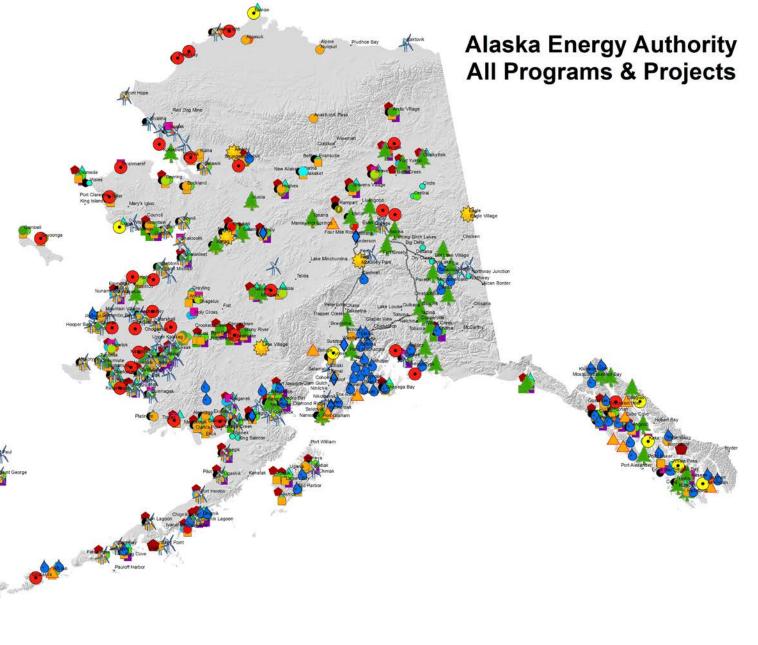




 AEA programs and projects comprehensively improve energy safety, stability, reliability, and affordability

 Benefits are shared by rural and urban utilities and consumers alike

 Growth potential through non-state funding







AEA/AIDEA Shared Services



AIDEA and AEA: "SISTER AGENCIES"

- Two distinct State corporate agencies, with discrete programs and projects
- Each Authority has its own Executive Director (CEO)
- There's no commingling of assets, liabilities, or programmatic operational activities
- Therefore, two sets of independently audited financial statements are prepared annually
- AIDEA and AEA maintain a long-term successful "consolidated shared services" relationship
- A borrowing arrangement exists: AIDEA provides up to \$7.5M of liquid working capital to AEA
- 1993 Legislation requires AIDEA Board Members to serve as AEA Board of Directors
- AEA has no employees, AIDEA provides personnel services, but is reimbursed by AEA



OPERATIONS

AEA Direct Programs/Projects

- AEA Owned Infrastructure
 - Bradley Lake Hydro
 - Alaska Intertie
 - Susitna-Watana Hydro
- State Energy Office
- Power Cost Equalization program
- Rural Energy Projects Powerhouse & tank farms
- Rural Training program operator training for energy infrastructure
- Power Project Fund Loan Program

- Electrical Emergency Response
- Circuit Rider program
- Technical Assistance
- Alternative Energy
- Energy Efficiency
- Emerging Energy Technology Fund
- Renewable Energy Grant Fund Program
- Wind Energy
- Hydroelectric Energy
- Biomass program
- Solar

AIDEA Direct Programs/Projects

- Infrastructure Development
 - Oil & Gas
 - Mining
 - Marine
 - Energy
- Commercial Lending & Finance
 - Real Estate
 - Tourism
 - Commercial Offices

- Conduit Bond Program
- Project Development Asset Management
 - Oil & Gas
 - Air Cargo
 - Mining
 - Shipyard
- External Affairs and Business Development
 - **Public Comment and Response**
 - Legislative Inquiries

"Consolidated Shared Services" Support Functions



Treasury /Banking **Functions**





Budgeting/ **Appropriations**



Financial System (Navision)



Accounting



External Financial Reporting



Internal



Bond Compliance



Payroll



Procurement of Goods/Services



Human Resources



Debt Issuance













Meeting Rooms



Office Equipment



Financial Reporting



Investing

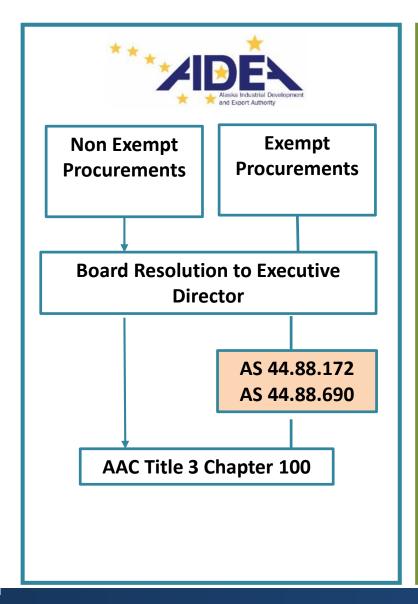
PROCUREMENT

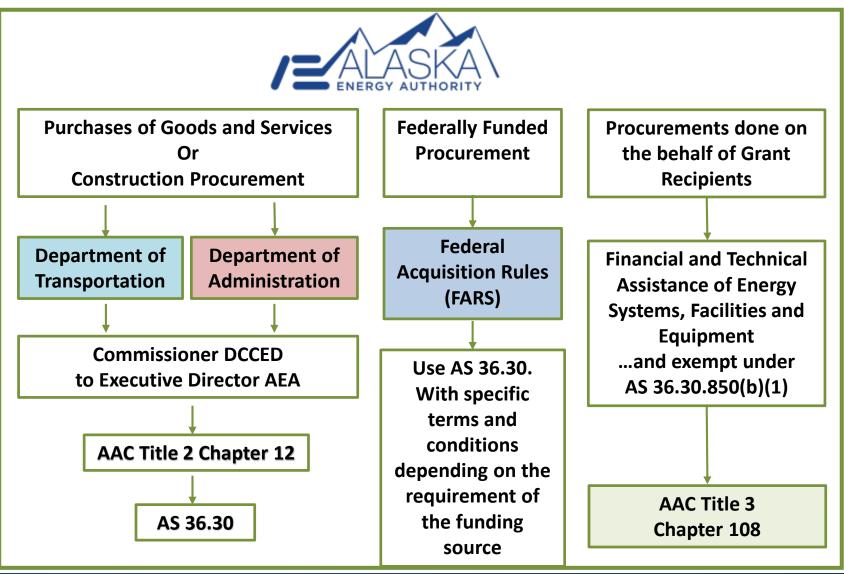
- A single Procurement Department does all of the procuring for AEA & AIDEA
- Fair, open, and competitive procurement processes are adhered to (a control function)
- Solicitations through:
 - ✓ Invitation to Bids (ITB)
 - ✓ Request for Proposals (RFP)
 - ✓ Request for Quotations (RFQ)
- Contracts for procurement are executed, administered, and overseen for contract compliance
- Disposal of surplus property and equipment (assets) is overseen by Procurement
- There are five (5) unique procurement policies for acquiring goods, services, professional services, and construction Procurement is responsible for using between AIDEA & AEA

(see delegations next page)



Procurement Delegations





AIDEA & AEA Direct and Shared Services PCN Count FY13 to FY18







ALASKA ENERGY AUTHORITY

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AEA's mission: Reduce the cost of energy in Alaska.



ALASKA ENERGY AUTHORITY FY2018 OPERATING BUDGET OVERVIEW (in thousands) AEA Owned Facilities Component

AEA Owned Facilities	FY2013 Actuals	FY2014 Actuals	FY2015 Actuals	FY2016 Actuals	% Change	FY2017 Authorized	FY2018 Governor	% Change
ALA O Milea Facilities	. 1000.010	7 1000.010	7 1000.010	7 1000.0.10		710.011011200		
Expenditure Categories:								
Travel	-	-		-		30.0	30.0	
Services (includes payroll)	244.7	256.0	224.6	253.8		938.7	937.7	
Supplies	-	-	-	-		8.0	8.0	
Equipment	-	-	-	-		5.0	5.0	
Grants		-	-	-		-	-	
Totals	244.7	256.0	224.6	253.8	4%	981.7	980.7	0%
Funding Sources:								
Unrestricted GF (UGF)	-	-	-	-		-	-	
Power Project Fund (DGF)	-	-	-	-		-	-	
Renewable Energy (DGF)	-	-	-	-		-	-	
PCE Endowment (DGF)	-	-	-	-		-	-	
GF Program Receipts (DGF)	-	-	-	-		-	-	
Bulk Fuel (DGF)	<u> </u>	-	-	-		-	-	
Subtotal (UGF & DGF)	-	-	-	-		-	-	0%
CIP Receipts	-	-	-	-		-	-	
Federal Receipts	-	-	-	-		-	-	
AEA Receipts	244.7	256.0	224.6	253.8		981.7	980.7	
I/A Receipts	-	-	-	-		-	-	
Statutory Designated Program Receipts	<u> </u>	-		-		-		
Totals	244.7	256.0	224.6	253.8	4%	981.7	980.7	0%



ALASKA ENERGY AUTHORITY FY2018 OPERATING BUDGET OVERVIEW (in thousands) AEA Rural Energy Operations (Assistance) Component

	FY2013	FY2014	FY2015	FY2016	%	FY2017	FY2018	%
AEA Rural Energy Operations (Assistance)	Actuals	Actuals	Actuals	Actuals	Change	Authorized	Governor	Change
Expenditure Categories:								
Travel	80.6	29.8	19.1	31.3		132.0	132.0	
Services (includes payroll)	2,530.1	2,792.1	2,778.9	3,282.3		5,348.5	5,655.5	
Supplies	108.7	99.3	101.9	77.5		48.0	48.0	
Equipment	42.2	65.6	74.7	10.9		10.0	10.0	
Grants	-	-	-	-		100.0	100.0	
Totals	2,761.6	2,986.8	2,974.6	3,402.0	23%	5,638.5	5,945.5	5%
		,	,	-, -			-,	
Funding Sources:								
Unrestricted GF (UGF)	1,047.1	1,156.7	1,224.1	1,735.5	66%	1,256.3	874.5	(1) -30%
Power Project Fund (DGF)	442.5	414.8	457.3	172.8		995.5	995.5	
Renewable Energy (DGF)	-	-	-	-		-	-	
PCE Endowment (DGF)	-	-	-	-		-	381.8	(1)
GF Program Receipts (DGF)	-	-	-	1.8		100.0	100.0	
Bulk Fuel (DGF)	53.6	-	-	-		-	-	
Subtotal (UGF & DGF)	1,543.2	1,571.5	1,681.4	1,910.1	24%	2,351.8	2,351.8	0%
CIP Receipts	1,169.1	1,415.3	1,278.3	1,491.9		2,567.8	2,567.8	
Federal Receipts	-	-	-	-		445.0	752.0	(2)
AEA Receipts	-	-	-	-		-	-	
I/A Receipts	49.3	-	-	-		123.9	123.9	
Statutory Designated Program Receipts		-	14.9	_		150.0	150.0	
Totals	2,761.6	2,986.8	2,974.6	3,402.0	23%	5,638.5	5,945.5	5%



Note (1):Fund source change for PCE administrative costs that have historically been paid by unrestricted general fund authority in this component.

Note (2):This increment is for federal Denali Commission funds anticipated for training and circuit rider programs.

ALASKA ENERGY AUTHORITY FY2018 OPERATING BUDGET OVERVIEW (in thousands) AEA Technical Assistance Component

AEA Technical Assistance (1)	FY2013 Actuals	FY2014 Actuals	FY2015 Actuals	FY2016 Actuals	FY2017 Authorized	FY2018 Governor (1)
Expenditure Categories:						
Travel	34.6	38.9	43.3	-	-	-
Services (includes payroll)	364.5	360.0	354.7	-	-	-
Supplies	7.6	7.8	8.7	-	-	-
Equipment	-	-	-	-	-	-
Grants	-	-	-	-	-	-
Totals	406.7	406.7	406.7	-	-	-
Funding Sources:						
Unrestricted GF (UGF)	406.7	406.7	406.7	-	-	-
Power Project Fund (DGF)	-	-	-	-	-	-
Renewable Energy (DGF)	-	-	-	-	-	-
PCE Endowment (DGF)	-	-	-	-	-	-
GF Program Receipts (DGF)	-	-	-	-	-	-
Bulk Fuel (DGF)		-	-	-	-	
Subtotal (UGF & DGF)	406.7	406.7	406.7	-	-	-
CIP Receipts	-	-	-	-	-	-
Federal Receipts	-	-	-	-	-	-
AEA Receipts	-	-	-	-	-	-
I/A Receipts	-	-	-	-	-	-
Statutory Designated Program Receipts				-	-	
Totals	406.7	406.7	406.7	-	-	-



ALASKA ENERGY AUTHORITY FY2018 OPERATING BUDGET OVERVIEW (in thousands) AEA Power Cost Equalization Component

AEA Power Cost Equalization	FY2013 Actuals	FY2014 Actuals	FY2015 Actuals	FY2016 Actuals	% Change	FY2017 Authorized	FY2018 Governor	% Change
·								
Expenditure Categories:								
Travel	1.4	1.1	2.5	0.5		-	-	
Services (includes payroll)	285.5	343.2	352.5	354.1		355.0	355.0	
Supplies	1.2	4.3	-	0.4		-	-	
Equipment	-	2.4	-	-		-	-	
Grants	40,100.0	41,006.0	37,777.3	31,596.1		40,000.0	37,500.0	
Totals	40,388.1	41,357.0	38,132.3	31,951.1	-21%	40,355.0	37,855.0	-6%
Founding Common								
Funding Sources:	47.542.2	0.255.0			4.000/			00/
Unrestricted GF (UGF)	17,512.3	8,266.0	-	-	-100%	-	-	0%
Power Project Fund (DGF)	-	-	-	-		-	-	
Renewable Energy (DGF)	-	-	-	-		-	-	
PCE Endowment (DGF)	22,875.8	33,091.0	38,132.3	31,951.1		40,355.0	37,855.0	
GF Program Receipts (DGF)	-	-	-	-		-	-	
Bulk Fuel (DGF)		-	_	-		-	-	
Subtotal (UGF & DGF)	40,388.1	41,357.0	38,132.3	31,951.1	-21%	40,355.0	37,855.0	-6%
CIP Receipts	-	-	_	-		-	-	
Federal Receipts	-	-	-	-		-	-	
AEA Receipts	-	-	-	-		-	-	
I/A Receipts	-	-	-	-		-	-	
Statutory Designated Program Receipts		<u>-</u> _		_				
Totals	40,388.1	41,357.0	38,132.3	31,951.1	-21%	40,355.0	37,855.0	-6%



ALASKA ENERGY AUTHORITY

FY2018 OPERATING BUDGET OVERVIEW (in thousands)

AEA Statewide Project Development, AEE Component

	FY2013	FY2014	FY2015	FY2016	%	FY2017	FY2018	%
AEA Statewide Project Development, AEE	Actuals	Actuals	Actuals	Actuals	Change	Authorized (1)	Governor	Change
Expenditure Categories:								
Travel	130.2	116.4	121.1	68.8		-	-	
Services (includes payroll)	6,040.2	6,814.5	6,909.6	5,850.8		3,019.8	2,000.0	
Supplies	54.7	65.8	81.5	44.7		-	-	
Equipment	48.2	66.4	38.6	9.2		-	-	
Grants		-	-	-		-	-	
Totals	6,273.3	7,063.1	7,150.8	5,973.5	-5%	3,019.8	2,000.0	-34%
Funding Sources:								
Unrestricted GF (UGF)	970.7	991.1	1,163.8	1,776.5	83%	1,019.8	-	-100%
Power Project Fund (DGF)	610.7	638.4	595.9	378.6		-	-	
Renewable Energy (DGF)	1,927.5	1,758.3	2,155.0	2,068.2		2,000.0	2,000.0	
PCE Endowment (DGF)	-	-	-	-		-	-	
GF Program Receipts (DGF)	-	-	-	-		-	-	
Bulk Fuel (DGF)		-	-					
Subtotal (UGF & DGF)	3,508.9	3,387.8	3,914.7	4,223.3	20%	3,019.8	2,000.0	-34%
CIP Receipts	2,704.4	3,343.5	2,964.9	1,749.8		-	-	
Federal Receipts	-	331.8	271.2	-		-	-	
AEA Receipts	-	-	-	-		-	-	
I/A Receipts	60.0	-	-	-		-	-	
Statutory Designated Program Receipts		-		0.4		_	_	
Totals	6,273.3	7,063.1	7,150.8	5,973.5	-5%	3,019.8	2,000.0	-34%



ALASKA ENERGY AUTHORITY CAPITAL BUDGET APPROPRIATIONS FY2013 - FY2018

						FY2018
Capital Authorization	FY2013	FY2014	FY2015	FY2016	FY2017	Governor
Projects:						
Electrical Emergencies Program	330,000	-	330,000	330,000	-	330,000
Rural Power Systems Upgrades & Distribution	23,496,600	10,800,000	6,570,000	-	2,500,000	14,296,000
Bulk Fuel Upgrades	7,000,000	6,000,000	7,300,000	-	1,300,000	12,100,000
Alternative Energy & Energy Efficiency (AEEE) Programs	4,800,000	2,000,000	-	-	-	-
Energy Plan Implementation (FY2015 \$500,000 reappropriated to FY2017 RPSU)	1,000,000	-	-	-	-	-
Renewable Energy Project Grants	25,870,659	25,000,000	22,843,900	11,512,659	-	-
Susitna-Watana Hydroelectric Project	-	95,200,000	20,000,000	-	-	-
Rural Conservation Block Grants	-	500,000	-	-	-	-
AVTEC Power Plant Infrastructure Training Systems Upgrade	400,000	-	-	-	-	-
Emerging Energy Technology Project Data Collection & Technical Assistance	-	-	-	690,000	-	-
Other Generation projects	6,922,500	-	-	-	-	-
TOTAL - Projects	69,819,759	139,500,000	57,043,900	12,532,659	3,800,000	26,726,000
Fund Sources:						
General Fund	36,149,100	109,500,000	31,580,000	0	0	6,250,000
Reappropriations	-	-	-	330,000	1,053,858	330,000
Federal Receipts	7,000,000	5,000,000	2,620,000	690,000	-	20,146,000
Other (I/A Receipts & Statutory Designated)	800,000	-	-	-	-	_
Renewable Energy Fund	25,870,659	25,000,000	22,843,900	11,512,659	-	-
PCE Endowment Fund	-	-	-	_	2,746,142	-
TOTAL - Fund Source	69,819,759	139,500,000	57,043,900	12,532,659	3,800,000	26,726,000



ALASKA ENERGY AUTHORITY FY2018 CAPITAL BUDGET REQUEST

Program Description	FY2018 Governor Budget		
	State GF	Federal	Total
Electrical Emergencies	330,000	-	330,000
Bulk Fuel Upgrade Program - request is for federal receipt authority and			
matching state funds.			
1) Tuluksak - new tank farm	780,000	3,120,000	3,900,000
2) Holy Cross - new tank farm	800,000	3,200,000	4,000,000
3) Venetie - repair & relocate	320,000	1,280,000	1,600,000
4) Nunpitchuk - new tank farm	520,000	2,080,000	2,600,000
	2,420,000	9,680,000	12,100,000
Rural Power System Upgrade - request is for federal receipt authority and matching state funds for four RPSU projects. This request is also for federal receipt authority and state matching funds for Diesel Emission Reductions (DERA) Community Engine Replacement projects.			
1) DERA - community engine replacement	310,000	286,000	596,000
2) Twin Hills - electrical distribution tie-line to Togiak	800,000	3,200,000	4,000,000
3) Port Alsworth - new powerhouse module	1,300,000	1,300,000	2,600,000
4) Chefornak - electrical distribution system	480,000	1,920,000	2,400,000
5) Adak - new powerhouse	940,000	3,760,000	4,700,000
	3,830,000	10,466,000	14,296,000
TOTAL FY2018 REQUEST	6,580,000	20,146,000	26,726,000

