Power Project Fund Loans & PCE Considerations

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AEA's mission is to reduce the cost of energy in Alaska

The Power Project Fund (PPF) is available to make loans to the following entities:

- Electric utilities
- Regional electric authorities
- Municipalities
- Regional village corps
- Village councils
- Independent power producers





The Power Project Fund can help with:

- Electric generation
- Bulk fuel storage
- Transmission and distribution
- Waste energy
- Energy efficiency and conservation
- Alternative energy facilities and equipment



Hiilangaay Hydro, POW Island



PPF is flexible and affordable

- Low and negotiable interest
- Reasonable repayment
- Loan term is related to life of the project
- Sliding scale application fee
- 1% closing fee
- Application fee credited toward closing fee
- Closing fee can be repaid through loan payments



Power Cost Equalization (PCE) Program

- Intended to reduce (equalize)
 electrical rates in high-cost parts
 of the state
- Created in 1984
- Established in response to State investment in Four Dam Pool hydro projects



Swan Lake Hydro near Ketchikan



Power Cost Equalization Vocabulary

- PCE Floor or Base Rate: The weighted average cost per kilowatt hour in Anchorage, Fairbanks and Juneau
- PCE Level: The state reimbursement per eligible kWh calculated for each community based on eligible fuel and non-fuel costs (more on next slide)
- Effective Rate: The cost per kWh that the customers will pay for a PCE-eligible kWh (rate charged by the utility minus PCE level)
- PCE Program: Provides reimbursements to utilities for kWh sold to eligible customers
- PCE Endowment: Fund invested by the Alaska Department of Revenue that pays for the PCE Program and administration

PCE levels are calculated based on the least of:

- I. Cost based: 95 percent of (eligible \$/kWh minus the base rate)
- 2. Rate based: the per kWh rate minus the base rate
- 3. 95 percent of the (maximum eligible cost/kWh (\$1.00) minus the base rate)



PCE Level – What's Included

- Fuel cost for current generation is an eligible expense.
- Fuel cost associated with past generation (old fuel debt) is not an eligible expense.
- Non-fuel costs include: salaries, insurance, taxes, parts and supplies, interest and depreciation expense, and other reasonable costs. For non-regulated utilities return on equity is NOT an eligible cost.
- Costs associated with renewable energy generation <u>are</u> an eligible non-fuel cost.



PCE can help pay off debt

Example:

- \$200,000 loan, 10 year term, 4% interest
- Total annual payments in all years = \$24,365
 - Annual interest payments = \$7,753 (yr I) to \$597 (yr I0)
 - Annual principal payments = \$16,612 (yr I) to \$23,707 (yr I0)
- Annual depreciation expense (straight line) = \$20,000
- Eligible non-fuel expenses in first year:
 - interest payments \$7,753 + depreciation \$20,000 = \$27,753



PCE debt example cont'd

- Roughly 95% of new eligible costs are covered by PCE.
- In a community with 40% of all sales PCE eligible around 38% of new eligible costs will be paid by the PCE subsidy.

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	Yr I		Yr 2		Yr 3		<u>Yr 4</u>		Yr 5		Yr 6		Yr 7		Yr 8		Yr 9		Yr I	0
Interest payment	\$	7,753	\$	7,078	\$	6,377	\$	5,646	\$	4,886	\$	4,095	\$	3,272	\$	2,416	\$	1,525	\$	597
Depreciation expense	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000	\$	20,000
Total new eligible expense	\$	27,753	\$	27,078	\$	26,377	\$	25,646	\$	24,886	\$	24,095	\$	23,272	\$	22,416	\$	21,525	\$	20,597
95% of new expense	\$	26,365	\$	25,724	\$	25,058	\$	24,364	\$	23,642	\$	22,890	\$	22,108	\$	21,295	\$	20,449	\$	19,567
Amount covered by PCE subsidy	\$	10,546	\$	10,290	\$	10,023	\$	9,745	\$	9,457	\$	9,156	\$	8,843	\$	8,518	\$	8,180	\$	7,827
Amount covered by ratepayers (not PCE eligible)	\$	13,818	\$	14,074	\$	14,341	\$	14,619	\$	14,907	\$	15,208	\$	15,521	\$	15,846	\$	16,185	\$	16,537
Total loan payment	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364	\$	24,364



Correct accounting of costs is important

Accounting errors or omissions can lead to reduced PCE payments.

- Include depreciation of non-grant funded assets
- Make sure that debt for utility expenses is incurred by the utility.
 If the utility cannot take a loan make sure the utility is billed for the debt payments.
- Include interest on debt related to utility expenses.



For more information:

Power Project Fund Loans

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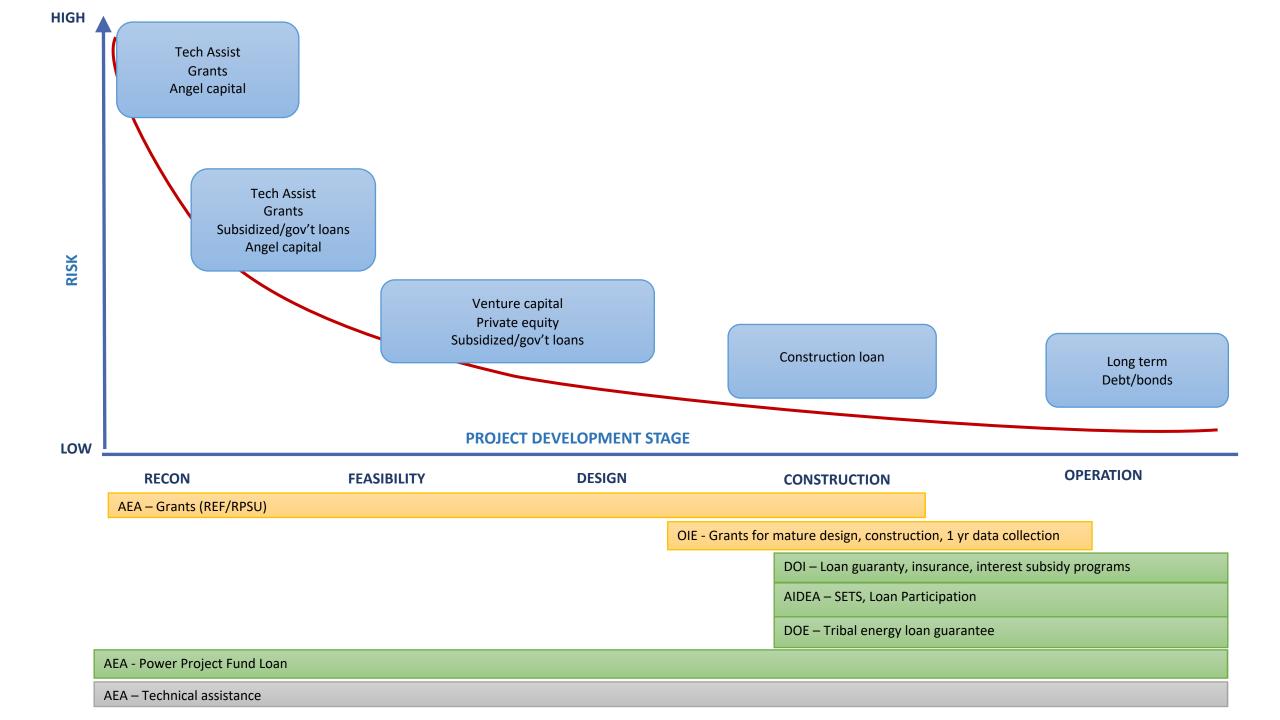
Power Cost Equalization

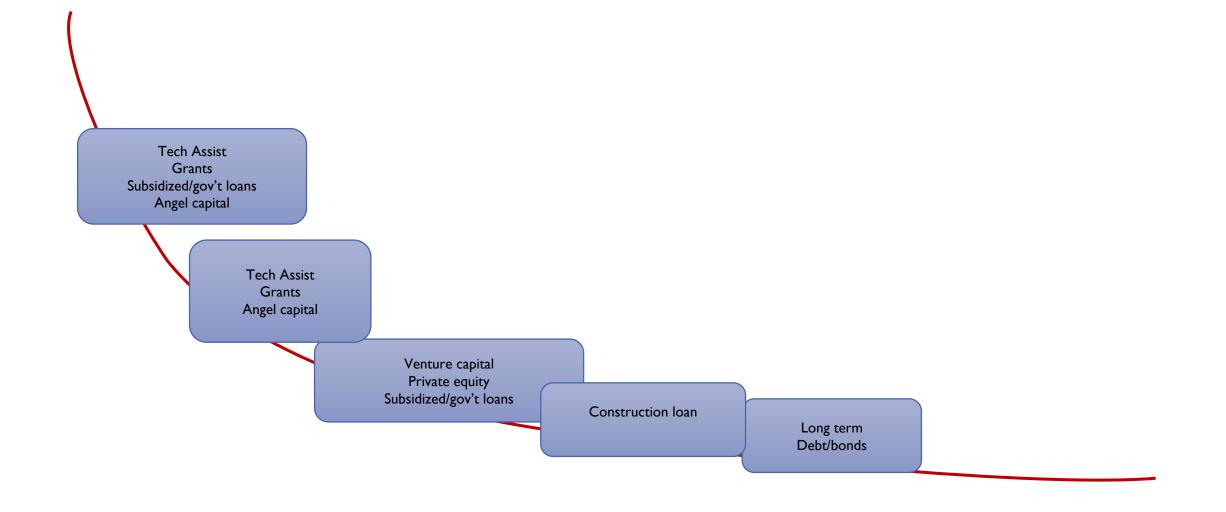
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