

## Alaska Energy Authority - Energy Funding Resources - May 2019



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Opportunity Name (Hyperlinked to Source)	Project Type(s)	Due Date	Amount	Description	Eligibility	Comments
<a href="#">High Energy Cost Grants</a>	Electrical Generation and Transmission; Energy Efficiency; Solar; Wind; Combined Heat & Power (CHP); Hydro; Biomass; Space Heating	6/24/2019	Program Total \$10,000,000, Award Ceiling \$3,000,000, Award Floor \$100,000	<p>USDA RD Grant: Assists energy providers and other eligible entities in lowering energy costs for families and individuals in areas with extremely high per-household energy costs (275 percent of the national average or higher.) Does not require match, but match helps score.</p> <p><b>Projects Include:</b> Electric generation, transmission and distribution facilities, including: Equipment, materials and activities; Land or right-of-way acquisition, professional expenses, engineering and permitting costs; Natural gas distribution and storage facilities, including equipment, materials and activities; Petroleum product storage and handling facilities, including equipment, materials and activities; Renewable energy facilities, including solar, wind, hydropower or biomass technologies used for on- or off-grid: electric power generation; water or space heating process heating and power; Backup or emergency power generation or energy storage technology, including generation equipment installed on consumer premises.</p> <p><b>Implementation of initiatives such as:</b> Energy efficiency improvements and conservation measures (i.e. weatherization of residences and community facilities); Programs encouraging the use of energy-saving appliances and devices; Programs aimed at improving the quality and cost of energy service.</p>	<ul style="list-style-type: none"> <li>•Native American tribal governments (Federal recognized)</li> <li>•Native American tribal organizations (other than Federal recognized tribal governments)</li> <li>•Special district governments</li> <li>•Independent school districts</li> <li>•Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education</li> <li>•Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education</li> <li>•For profit organizations other than small businesses</li> <li>•State governments</li> <li>•Small businesses</li> <li>•Individuals</li> <li>•Public housing authorities/Indian housing authorities</li> <li>•Private institutions of higher education</li> <li>•Public and State controlled institutions of higher education</li> <li>•County governments</li> <li>•City or township governments</li> </ul>	<p><b>High Cost Defined by using the 2019 benchmarks:</b> Benchmarks are based on 275% of the AEI estimated national annual average of household expenditure and cost per unit of fuel.</p> <p><b>Eligibility is demonstrated by using one or more of the benchmarks to show high annual household energy costs or per unit costs.</b></p> <ul style="list-style-type: none"> <li>•Electricity: \$3,779 -OR- \$0.3556 per kWh</li> <li>•Natural gas: \$1,639 -OR- \$27.37 per 1000 cu. ft.</li> <li>•Fuel oil: \$3,317 -OR- \$8.80 per gallon</li> <li>•LPG/propane: \$1,843 -OR- \$6.82 per gallon</li> <li>•Total household energy cost of \$5,104 -OR- \$66.19 per million Btu.</li> </ul> <p><b>Estimates also may be appropriate where historical energy costs do not reflect the cost of providing a necessary upgrade or replacement of energy infrastructure to maintain or extend service that would raise costs above one or more benchmarks.</b></p>
<a href="#">Volkswagen Trust State Allocation</a>	Public Transit & School Buses: Diesel Engines: Upgrades & Replacement; Emissions Reduction	6/14/2019	\$8,125,000 Program Total. \$1.7 Million for 2019 School Buses.	VW Trust/AEA Grant: Focus is on reducing NOx pollution from diesel-powered trucks and buses, locomotives, ferries/tugs, airport ground support equipment, and port cargo handling equipment. Generally, the types of approved actions include replacing older diesel-powered engines or vehicles with newer cleaner diesel engines, alternative fueled engines or all-electric engines. Installation of shore power for ocean going vessels and electric charging stations are also eligible.	Alaska Public Schools, related transportation contractors, and public transit authorities.	Currently, Applications are being requested for eligible Public Transit & School Buses. AEA will be holding a Webinar to assist Applicants on Thursday, May 16, 2019 at 1:30 pm.
<a href="#">Commercial Building Energy Audit (CBEA)</a>	Energy Audits	6/15/2019		USDA/AEA Grant: The Commercial Building Energy Audit program will pay up to 75% of the cost of an ASHRAE level 1+ energy audit performed on eligible privately owned commercial buildings. The audit cost is set by the building size. Please refer to the Alaska Energy Authority website or call for more information.	<p>Commercially owned buildings located in rural Alaska, i.e., outside of the Municipality of Anchorage.</p> <p>Building must be owned by either a:</p> <ul style="list-style-type: none"> <li>• Private entity;</li> <li>• Alaska Native Corporation; or an</li> <li>• Electric Utility Cooperative.</li> </ul>	The CBEA program does not pay for the implementation of the recommended efficiency measures. A commercial building energy audit is a requirement to apply for funding through the USDA Rural Energy for America Programs (REAP). For more information, see below.



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<a href="#">EPA 2005 Section 242 Hydro Incentive Program</a>	Hydropower; power generation equipment	6/20/2019	\$6.6 Million Program Total. \$750,000 Award Ceiling	DOE incentive funding for existing hydroelectric facilities to expand/repair power generation equipment to increase generation capacity, whether powered or non-powered, if the facility was completed after August 8, 2005. This does not include construction or enlargement of impoundment or diversion structures, (other than repair or reconstruction) in connection with the installation of a turbine or other generating device. Payments for eligible projects are calculated based on past kWh of production.	<ol style="list-style-type: none"> <li>1. Is located in a State or in U.S. jurisdictional waters.</li> <li>2. Has a turbine or other generating mechanism (including conventional or new and innovative technologies capable of continuous operation), the majority of which was developed through incorporation of new equipment, refurbished equipment, or both.</li> <li>3. Is owned by a non-Federal entity and operated by a non-Federal entity.</li> <li>4. Began producing hydroelectric energy for sale on or after October 1, 2005.</li> </ol>	Qualified facilities will be selected based on the number of kilowatt hours generated by the facility in calendar year 2018. The Hydroelectric Production Incentive Program provides funding for projects adding hydroelectric power generating capabilities to existing dams throughout the United States. Program Guidance: <a href="https://www.energy.gov/sites/prod/files/2019/05/f62/hydro-guidelines-cy18.pdf">https://www.energy.gov/sites/prod/files/2019/05/f62/hydro-guidelines-cy18.pdf</a>
<a href="#">Rural Energy for America Program (REAP) Renewable Energy Systems &amp; Energy Efficiency Improvement Loans &amp; Grants</a>	Renewable Energy: Biomass; Geothermal; Hydropower; Wind; Solar; Ocean; Energy Efficiency Measures	Ongoing. Typically in April and October each year	\$500,000 Total Alaska Annual Program	USDA RD Grant/Loans/Loan Guarantee: Funds may be used for renewable energy systems, such as: Biomass (for example: biodiesel and ethanol, anaerobic digesters, and solid fuels); Geothermal for electric generation or direct use; Hydropower below 30 megawatts; Hydrogen; Small and large wind generation; Small and large solar generation; Ocean (tidal, current, thermal) generation. Funds may also be used for the purchase, installation and construction of energy efficiency improvements, such as: High efficiency heating, ventilation and air conditioning systems (HVAC); Insulation; Lighting; Cooling or refrigeration units; Doors and windows; Electric, solar or gravity pumps for sprinkler pivots; Switching from a diesel to electric irrigation motor; and Replacement of energy-inefficient equipment.	<ul style="list-style-type: none"> <li>•Businesses must be in an area other than a city or town with a population of greater than 50,000 inhabitants and the urbanized area of that city or town. Check eligible business addresses.</li> <li>•Agricultural producers may be in rural or non-rural areas.</li> </ul>	<ul style="list-style-type: none"> <li>•Applications for Grants of \$20,000 or Less &amp; Loan/Grant of \$20,000 or Less Combo Applications-<i>October and April</i></li> <li>•Applications for Unrestricted Grants &amp; Loan/Unrestricted Grant Combo Applications-<i>April</i></li> <li>•Energy Audit and Renewable Energy Development Assistance Grants</li> <li>•Guaranteed Loans-Continuous Application Cycle</li> </ul>
<a href="#">Tribal Resilience and Ocean and Coastal Management and Planning</a>	Infrastructure Management (including community power); Sea Level Rise; Planning; Climate Change	6/10/2019	\$150,000 Award Ceiling	BIA Grant: To receive grants that support resilience and ocean and coastal management and planning for tribes preparing for extreme events and harmful environmental trends. Funding for tribal projects that support tribal resilience and ocean and coastal management planning as tribes incorporate science (including Traditional Knowledge) and technical information to prepare for the impacts of extreme events and harmful environmental trends.	<p><b>For BIA-TR-2019-0001:</b> Native American tribal governments (Federally recognized).</p> <p><b>For BIA-TR-2019-0002:</b> Eligibility is limited to not-for-profit, non-governmental tribal organizations and associations, and tribally-controlled colleges and universities (TCUs), referred to as "tribal organization(s)"</p>	<p><b>There are six total award categories.</b></p> <p><b>Adaptation Planning</b>            Category 1: Trainings and Workshops            Category 2: Adaptation Planning            Category 3: Travel Support for Adaptation Planning</p> <p><b>Ocean and Coastal Management Planning</b>            Category 4: Ocean and Coastal Management Planning            Category 5: Travel Support</p> <p><b>Ocean &amp; Coastal: Capacity Building</b>            Category 6: Capacity Building:</p> <p>Awards map: <a href="https://biamaps.doi.gov/tribalresilience/">https://biamaps.doi.gov/tribalresilience/</a></p>



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<a href="#">Advanced Building Construction with Energy Efficient Technologies &amp; Practices (ABC)</a>	<a href="#">Research &amp; Development: Energy Efficiency - Deep energy retrofit using a holistic approach</a>	Concept paper due 6/10/2019. Application 8/12/2019.	Program Total \$33.5 Million. Award Ceiling \$5 Million; Award Floor \$300,000	DOE Cooperative Agreement/Grant: Research and development of solutions that can be applied to many segments of the building sector, including existing and new buildings, residential and commercial, and across multiple climate zones. BTO is seeking applications aimed at developing deep energy retrofit and new construction technologies that holistically tackle a combination of envelope, heating, cooling, water heating, and ventilation issues, and hold appeal for both building owners and occupants. BTO is interested in three topic areas:  Topic 1: Integrated Building Retrofits Topic 2: New Construction Technologies Topic 3: Advanced Technology Integration	Unrestricted: <ul style="list-style-type: none"> <li>• U.S. Citizens and permanent residents;</li> <li>• For-profit entities;</li> <li>• Educational institution; and</li> <li>• Nonprofits.</li> </ul>	Specifically, the FOA will fund research aimed at developing transformative technology solutions that— <ul style="list-style-type: none"> <li>• Deliver cost-effective and scalable deep energy savings in both new and existing buildings;</li> <li>• Incorporate methods to modernize construction, reduce costs, and improve quality;</li> <li>• Address aforementioned barriers to rapid and broad-scale adoption of energy efficiency technologies and approaches; and,</li> <li>• Where possible, serve complementary interests such as grid reliability, productivity, comfort, etc. to help drive uptake.</li> </ul>
<a href="#">Rural Business Development Grant (RBDG)</a>	Technical Assistance; Feasibility Studies; Training; Education; Possible funding source for Energy Efficiency Programs	Not indicated	No maximum grant amount, however smaller request are given priority ranging from \$10,000 to \$500,000.	USDA RD Grant: Enterprise grants must be used on projects to benefit small and emerging businesses in rural areas as specified in the grant application. Uses may include: <ul style="list-style-type: none"> <li>• Training and technical assistance, such as project planning, business counseling/training, market research, feasibility studies, professional/technical reports, or product/service improvements</li> <li>• Acquisition or development of land, easements, or rights of way; construction, conversion, renovation of buildings; plants, machinery, equipment, access for streets and roads; parking areas and utilities</li> <li>• Pollution control and abatement</li> <li>• Capitalization of revolving loan funds, including funds that will make loans for start-ups and working capital</li> <li>• Distance adult learning for job training and advancement</li> <li>• Rural transportation improvement</li> <li>• Community economic development</li> <li>• Technology-based economic development</li> <li>• Feasibility studies and business plans</li> <li>• Leadership and entrepreneur training</li> <li>• Rural business incubators</li> <li>• Long-term business strategic planning</li> </ul>	Rural public entities including, but not limited to: <ul style="list-style-type: none"> <li>• Towns;</li> <li>• Communities;</li> <li>• State Agencies;</li> <li>• Authorities;</li> <li>• Nonprofit Corporations;</li> <li>• Institutions of Higher Education;</li> <li>• Federally-Recognized Tribes;</li> <li>• Rural Cooperatives (If organized as a private nonprofit corporation)</li> </ul>	No cost sharing required.  <b>How are applications evaluated?</b> <ul style="list-style-type: none"> <li>• Evidence showing job creation at local businesses;</li> <li>• Percent of non-federal funding committed to the project;</li> <li>• Economic need in the area to be served;</li> <li>• Consistency with local economic development priorities;</li> <li>• Experience of the grantee with similar efforts.</li> </ul>



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<a href="#">Economic Development Assistance Programs</a>	Economic Development; Public Works; economically distressed community support	Ongoing	\$3,000,000 Award Ceiling, \$100,000 Floor	US DOC Grant: Promoting innovation and competitiveness, preparing American regions for economic growth and success in the worldwide economy through strategic investments and partnerships that create the regional economic ecosystems required to foster globally competitive regions throughout the United States. EDA supports development in economically distressed areas of the United States by fostering job creation and attracting private investment.	<ul style="list-style-type: none"> <li>• Special District Governments;</li> <li>• Native American Tribal Governments;</li> <li>• Native American Tribal Organizations (other than federally recognized tribal governments)</li> <li>• Institutions of Higher Education;</li> <li>• County Governments;</li> <li>• State Governments;</li> <li>• City or Township Governments;</li> <li>• Nonprofits that do not have a 501(c)(3) status with the IRS, other than institutions of higher education</li> <li>• Nonprofits having a 501(c)(3) status with the IRS, other than institutions of higher education.</li> </ul>	A record of successfully assisting rural businesses and communities, normally including experience making and servicing commercial loans.
<a href="#">Energy, Power, Control, and Networks (EPCN)</a>	Engineering: Solar; Wind; Storage; Integration; Monitoring; Advanced Data Analytics, Micro-Grids; Energy Efficiency; Electric Vehicles; and Grid Cybersecurity	Ongoing	Most awards are in the \$100,000 to \$500,000 range.	NSF Grant: Program supports innovative research in modeling, optimization, learning, adaptation, and controls. EPCN also emphasizes electric power systems, including generation, transmission, storage, and integration of renewable energy sources into the grid; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory & economic structures and with consumer behavior.	Unrestricted: <ul style="list-style-type: none"> <li>• Public or private colleges or universities; or</li> <li>• Non-profit organizations whose primary purpose is the conduct of research or science education activities;.</li> <li>• State and municipal governments;</li> <li>• Public health units;</li> <li>• Hospital;.</li> <li>• For-profit firms and individual PI/PDs are not eligible for excess government personal property under NSF sponsorship.</li> </ul>	<p><b>Energy and Power Systems</b></p> <ul style="list-style-type: none"> <li>• Solar, Wind, and Storage Integration with the Grid</li> <li>• Monitoring, Protections and Resilient Grid</li> <li>• Power Grid Cybersecurity</li> <li>• Market Design, Consumer Behavior, Regulatory Policy</li> <li>• Microgrids</li> <li>• Energy Efficient Buildings and Communities</li> </ul> <p><b>Power Electronics Systems</b></p> <ul style="list-style-type: none"> <li>• Advanced Power Electronics and Electric Vehicles</li> <li>• Energy Harvesting, Storage Devices and Systems</li> <li>• Innovative Grid-Tied Power Electronic Converters</li> </ul> <p><b>Learning and Adaptive Systems</b></p> <ul style="list-style-type: none"> <li>• Neural Networks</li> <li>• Data Analytics and Intelligent Systems</li> <li>• Machine Learning Algorithms, Analysis and Applications</li> </ul> <p><b>Control Systems</b></p> <ul style="list-style-type: none"> <li>• Distributed Control Optimization</li> <li>• Network Multi-Agent Systems</li> <li>• Stochastic, Hybrid, Nonlinear Systems</li> <li>• Dynamic Data-Enabled Learning, Decision and Control</li> <li>• Cyber-Physical Control Systems</li> <li>• Applications (Biomedical, Transportation, Robotics)</li> </ul>



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<a href="#">Rasmuson Tier 1 Grants</a>	Varies	Ongoing	\$25,000 Award Ceiling	Rasmussen Foundation (Private Sector) Grant: Short-term projects that include, but are not limited to, the purchase of furnishings, equipment and appliances, vehicles, technology, building construction/renovations/restorations, medical equipment, sports equipment, scientific equipment, musical instruments, and library collections (books and audio-visual) development.	Organizations must be based in Alaska, have 501(c)(3) status and classified as a "not a private foundation" under section 509(a) of the tax code. In some cases, the Foundation will fund units of government, such as a city or tribe, or religious organizations if the project has broad community impact.	Up to \$25,000 for nonprofits. Mostly focused on capital projects.
<a href="#">Rasmuson Tier 2 Grants</a>	Varies	Ongoing	\$25,000 and above	Rasmussen Foundation (Private Sector) Grant: of more than \$25,000 for large capital (building) projects, projects of demonstrable strategic importance or innovative nature that address issues of broad community or statewide significance. Tier 2 grants may also support technology updates and creative works that comply with the description above. The project must demonstrate long-term benefits or impacts, and be initiated by an established organization(s) with a history of accomplishment. Please review the past awards for an overview of the types of projects funded by the Foundation.	The Foundation accepts proposals from high-performing, Alaska-Based 501(c)(3) Organizations classified as "not a private foundation" under section 509(a) of the tax code. Tribes and Cities are eligible to request support for projects that provide broad community benefits such as a library, health care facility and cultural center. In most cases an organization will have successfully applied for at least one Tier 1 before considering a Tier 2 request.	Over \$25,000 for nonprofits. Mostly focused on large capital projects.
<a href="#">Economic Impact Initiative</a>	For communities with severe economic distress. Enlarge and/or improve essential community facilities.	Ongoing	\$150,000 Award Ceiling.	USDA RD Grant: Up to 75% of eligible project cost based on need and funding availability. Priorities are given to projects related to public health and safety, energy efficiency and education. To construct, enlarge or improve community facilities for health care, public safety and public service. Grants may be made in combination with other financial assistance such as a Community Facilities direct or guaranteed loan, applicant contribution or funding from other sources.	Eligibility: Rural areas including; cities, villages, townships, towns and federally-recognized Tribal Lands, with no more than 20,000 residents that have a "Not Employed Rate" greater than 19.5%. The median household income of a community being served must be below 90% of the state non-metropolitan median household income for grant eligibility.	This program helps very small, financially distressed rural communities extend and improve community facilities and public safety. New Loan Refinancing Procedures, and Deadlines for the Refinancing of Federal Financing Bank Loans Pilot Program. Energy Efficiency is among the priorities.
<a href="#">Community Facilities Direct Loan &amp; Grant Program</a>	Essential Rural Community Facilities; includes power & water	Ongoing	Depends on funding type.	USDA RD Loan/Loan Guarantee: This program provides affordable funding for purchase, construct, and / or improve essential community facilities, purchase equipment and pay related project expenses.	Public bodies; Community-based non-profit corporations; and Federally-recognized Tribes. Rural areas including cities, villages, townships and towns including Federally Recognized Tribal Lands with no more than 20,000 residents according to the latest U.S. Census Data are eligible for this program. Priority point system based on population, median household income; Small communities with a population of 5,500 or less; Low-income communities having a median household income below 80% of the state nonmetropolitan median household income.	Provides low interest direct loans, grants, or and combination of the above, for the loan guarantee program.



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<a href="#">Water Power Technologies Office 2019 Research Funding Opportunity</a>	Hydro Power R&D	7/9/2019	\$26,050,000 Program Total. \$1,800,000 Award Ceiling; \$900,000 Award Floor	DOE Grant/Cooperative Agreement: Priorities in the following Areas of Interest Area of Interest <i>(updated)</i>  1: Hydropower Operational Flexibility 1a: Quantify Hydropower Capabilities for Operational Flexibility 1b: Operational Strategies for Increasing Hydropower Flexibility 2: Low-Head Hydropower and In-Stream Hydrokinetic Technologies 2a: Modular Technologies for Low-Head Hydropower Applications 2b: Modular Technologies for River Current Energy Converter Applications 3: Advancing Wave Energy Device Design 4: Marine Energy Centers Research Infrastructure Upgrades	Unrestricted. U.S. citizens and lawful permanent residents are eligible to apply for funding as a prime recipient or sub recipient; For-profit entities, educational institutions, and nonprofits.	Complete information can be found on the EERE Exchange website - <a href="https://eere-exchange.energy.gov/">https://eere-exchange.energy.gov/</a>
<a href="#">Wind Energy Technologies Office Funding Opportunity Announcement Fiscal Year (FY) 2019</a>	Wind Energy R&D	6/17/2019	\$28.1 Million Program Total. \$5,000,000 Award Ceiling; \$500,000 Award Floor	DOE WETO Grant/Cooperative Agreement: Funding for innovative wind energy technologies research and development including land-based, distributed, and offshore applications.  <b>Four Areas of Interest:</b> 1: Wind Innovations for Rural Economic Development (WIRED) 1a: Fully integrated distributed wind research and development (R&D) innovations to enhance resilience and reliability 1b: Balance of system cost reduction through standardization 2: Utilizing and Upgrading National-Level Facilities for Offshore Wind R&D 2a: R&D utilizing existing national-level offshore wind testing facilities 2b: R&D requiring upgrades to existing national offshore wind testing facilities 3: Project Development for Offshore Wind Technology Demonstrations 4: Tall Towers for U.S. Wind Power Complete	Unrestricted: <ul style="list-style-type: none"> <li>• U.S. citizens and lawful permanent residents are eligible to apply for funding as a prime recipient or sub recipient;</li> <li>• For-profit entities;</li> <li>• Educational Institutions; and</li> <li>• Nonprofits.</li> </ul>	



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<a href="#">Rural Economic Development Loans and Grants (REDLG)</a>	Community Development; Job Creation; Facilities and Equipment; Business Expansion	Ongoing	\$300,000 Grant Award Ceiling, \$2,000,000 Loan Ceiling	USDA RD Loans & Grants: Program provides funding for rural projects through local utility organizations. USDA provides zero-interest loans to local utilities which they, in turn, pass through to local businesses (ultimate recipients) for projects that will create and retain employment in rural areas. The ultimate recipients repay the lending utility directly. The utility is responsible for repayment to USDA. Provides grants to local utility organizations which use the funding to establish revolving loan funds (RLF). Loans are made from the revolving loan funds to projects that will create or retain rural jobs. When the revolving loan fund is terminated, the grant is repaid to USDA. Goals: <ul style="list-style-type: none"> <li>• Achieving e-Connectivity for Rural America</li> <li>• Developing the Rural Economy</li> <li>• Harnessing Technological Innovation</li> <li>• Supporting a Rural Workforce</li> <li>• Improving Quality of Life</li> </ul>	Intermediaries may use REDLG funds to lend for projects in rural areas or towns with a population of 50,000 or less. Eligible entities are: Any former Rural Utilities Service (RUS) borrower. Current Rural Development Electric or Telecommunication Programs Borrowers who borrowed, repaid or pre-paid an insured, direct, or guaranteed loan. Nonprofit utilities that are eligible to receive assistance from the Rural Development Electric or Telecommunication Programs Borrowers.	AEA potentially eligible based on RUS borrower eligibility. Deadlines are quarterly. Terms for the intermediary are: 10 years at 0 percent. Grants require a 20 percent match from the intermediary. Grants must be repaid to USDA upon termination of the RLF. <ul style="list-style-type: none"> <li>• Up to \$300,000 in grants may be requested to establish the RLF</li> <li>• Up to 10 percent of grant funds may be applied toward operating expenses over the life of the RLF</li> <li>• Up to \$2 million in loans may be requested</li> </ul>
<a href="#">Power Project Loan Fund (PPF)</a>	Power Projects	Ongoing	As of March 31, 2019 the uncommitted cash balance is \$10,777,290	AEA Loan: The Power Project Fund (PPF) loan program provides loans to local utilities, local governments or independent power producers for the development, expansion or upgrade of electric power facilities, including distribution, transmission, efficiency and conservation, bulk fuel storage and waste energy.	Electric utility; regional electric authority; regional or village corporation; independent power producer; Borough or municipal governments; village council.	The loan term is related to the productive life of the project, but cannot exceed 50 years. Interest rates vary between tax-exempt rates at the high end and zero on the low end. The tax-exempt rate is equal to the average weekly yield of municipal bonds for the 12 months preceding the date of the loan Application. As of May 13, 2019 this rate was 3.84 percent. The interest rate can be adjusted downward in certain circumstances to improve financial feasibility. Loan requests of more than \$5 million require legislative authorization to apply.
<a href="#">Rural Energy Savings Program (RESP)</a>	Energy Efficiency and related activities; Energy Audits; Storage; On or Off Grid Solar; Replace Manufactured Housing; Support OBF (On Bill Financing)	9/30/2019 Sample LOI	Currently, \$100 million is available. Obligated funding ranges from \$200,000 to \$13 million.	Loan: The Rural Energy Savings Program (RESP) helps rural families and small businesses achieve cost savings by providing loans to qualified consumers to implement durable cost-effective energy efficiency measures.	Eligible (utilities) applicants under the RESP include current and former RUS borrowers, subsidiaries of current or former RUS borrowers, and entities that provide retail electric service needs in rural areas. Energy Efficiency for small businesses and families. For relending or supporting programs such as OBF, weatherization, etc. Changed their definition of "rural" to include a utility with a census tract in their service area with a population of less than 20,000 - check with USDA Program Administrators for a review.	<b>Terms of the loans:</b> <ul style="list-style-type: none"> <li>• Up to 20 years at a 0% interest rate</li> <li>• Up to 3% interest rate for relending to end users qualified consumers, for up to 10 years</li> <li>• Up to 4% of the loan total may be used for startup costs</li> </ul>



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<a href="#">Biorefinery, Renewable Chemical, and Biobased Product Manufacturing Assistance Program</a>	Construction of Commercial Scale Bio-Refineries: Advanced Biofuels; Renewable Chemicals; or Biobased Products	April 1st and Oct. 1 annually	\$250,000,000 Program Total Loan Guarantees	USDA RD Loan Guarantee: up to 80%. This program assists in the development, construction, and retrofitting of new and emerging technologies for advanced biofuels, renewable chemicals and biobased products by providing loan guarantees up to \$250 million. Lenders with legal authority, sufficient experience and expertise, and can demonstrate they meet the FDIC definition of "Well Capitalized" at the time of application and issuance of Loan Note Guarantee, including:	<ul style="list-style-type: none"> <li>Federal or State chartered bank;</li> <li>Federally recognized tribes, Cooperatives;</li> <li>Farm Credit Bank; or</li> <li>Other Farm Credit System institution with direct lending authority; Credit Unions subject to credit examination and supervision by a State agency or the National Credit Union Administration;</li> <li>The National Rural Utilities Cooperative Finance Corporation.</li> </ul>	Required Letter of Intent Due: Not less than thirty (30) days prior to application deadline
<a href="#">Electric Infrastructure Loans and Loan Guarantees (FFB)</a>	Energy Efficiency; Renewable Energy; Maintenance; Upgrades. Opening a refinance Pilot Program.	Ongoing	Varies	USDA RD Loan: The electric program makes insured loans and loan guarantees to nonprofit and cooperative associations, public bodies, and other utilities. Insured loans primarily finance the construction of electric distribution facilities in rural areas. The guaranteed loan program has been expanded and is now available to finance generation, transmission, and distribution facilities. The loans and loan guarantees finance the construction of electric distribution, transmission, and generation facilities, including system improvements and replacement required to furnish and improve electric service in rural areas, as well as demand side management, energy conservation programs, and on-grid and off-grid renewable energy systems.	Most retail or power supply providers serving qualified rural areas, including: <ul style="list-style-type: none"> <li>State and local governmental entities</li> <li>Federally-recognized Tribes</li> <li>Nonprofits including cooperatives and limited dividend or mutual associations</li> <li>For-profit businesses (must be a corporation or limited liability company)</li> </ul>	Loan Guarantees up to 100% allow the Federal Financing Bank (FFB) to extend credit to qualified borrowers in rural areas. 100% of the construction work plan can be financed. Hardship Loans may be used, at the sole discretion of the Rural Utilities Service, to assist applicants in rural areas that are either economically distressed or recovering from an unavoidable event, such as a natural disaster
<a href="#">Intermediary Relending Program in Alaska(IRP)</a>	Economic Development	Ongoing	Up to \$2,000,000	USDA Loan: Intermediary: Up to \$2 Million for 1st financing, then \$1 Million at time thereafter, aggregate not to exceed \$15 Million. Interest rate fixed 1%, 30 yr. max, interest only payment permitted for 1st 3 yrs. Recipient: Maximum is \$250,000 or 75% of recipients project, whichever is less.	The following are eligible to be an intermediary lender: Nonprofits and cooperatives; Federally-recognized Tribes; Public agencies Requirements for the Intermediary: Legal authority to operate a Loan Revolving Fund; A record of successfully assisting businesses and communities, normally including experience servicing commercial loans; and ability to provide adequate assurance of repayment of the loan.	Provides 1 percent low-interest loans to local intermediaries that re-lend to businesses to improve economic conditions and create jobs in rural communities.
<a href="#">Business &amp; Industry Loan Guarantees</a>	Job creation; Business Development; Purchase Land & Facilities; Equipment (energy), Tenant Improvements; Renovation; Debt Refinance.	Continuous	\$25,000,000 Maximum Loan Guarantee	USDA RD Loan Guarantee: This program bolsters the availability of private credit by guaranteeing loans for rural businesses. May be used in any area other than a city or town with a population of greater than 50,000 inhabitants and the urbanized area of that city or town. The borrower's headquarters may be based within a larger city as long as the project is located in an eligible rural area. The lender may be located anywhere.	<b>For populations under 50,000 people are eligible, including:</b> <ul style="list-style-type: none"> <li>For-profit businesses;</li> <li>Nonprofits; Cooperatives;</li> <li>Federally-recognized Tribes;</li> <li>Public bodies; Individuals.</li> </ul> <b>Eligible Lenders:</b> <ul style="list-style-type: none"> <li>Federal or state-chartered banks</li> <li>Savings and loans</li> <li>Farm credit banks</li> <li>Credit unions</li> </ul>	<b>Maximum amount of a loan guarantee:</b> <ul style="list-style-type: none"> <li>80 percent for loans of \$5 million or less</li> <li>70 percent for loans between \$5 and \$10 million</li> <li>60 percent for loans exceeding \$10 million, up to \$25 million maximum</li> </ul> Loan terms depend on what is being financed. Interest rates are negotiated between the lender and borrower, subject to Agency review.



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<a href="#">AHFC Energy Efficiency Revolving Loan Fund (AEERLP) for Public Facilities</a>	Energy Efficiency	Ongoing	No Maximum	AHFC Loan: For Public Facilities. Provides financing for permanent energy-efficient improvements to public buildings owned by regional educational attendance areas, by the University of Alaska, by the state or by municipalities in the state. Borrowers obtain an Investment Grade Audit as the basis for making cost-effective energy improvements, selecting from the list of energy efficiency measures identified with the initial rating. All of the improvements must be completed within 365 days of loan closing.	<ul style="list-style-type: none"> <li>• Regional education attendance areas; the</li> <li>• University of Alaska; the</li> <li>• State of Alaska; and</li> <li>• Municipalities of the state.</li> </ul>	No maximum loan amount. 15-year term (at a 4.25% to 4.5% rate as of 10/23/2018), or as determined by AHFC. Up to 12-month max draw term, or as determined, followed by 14-year term. Interest rate determined on date of Loan Application and Investment Grade Audit submitted. Debt Service Coverage Ratio of 1.20 or greater.