

CLEAN ENERGY FUNDING OPPORTUNITIES

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Send questions, comments, corrections or additions to seo@wisconsin.gov

*Click on opportunity title to access additional information

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WISCONSIN OPPORTUNITIES

ENERGY COST ASSISTANCE[Wisconsin Home Energy Assistance Program](#)

The Wisconsin Home Energy Assistance Program (WHEAP) administers the federally funded Low Income Home Energy Assistance Program (LIHEAP) and Public Benefits Energy Assistance Program. LIHEAP and its related services help approximately 230,000 Wisconsin households annually.

[Wisconsin Weatherization Assistance Program](#)

The Wisconsin Weatherization Assistance Program (WisWAP) uses energy conservation techniques to reduce the cost of home energy. Correcting health and safety hazards and potentially life-threatening conditions is the first consideration in WAP activities.

[To Top](#)STATE GRANT AND LOAN PROGRAMS[Diesel Truck Idling Reduction Grant Program](#) – *Applications due August 26, 2016*

The Wisconsin Department of Administration now has \$1 million of funding available through their Diesel Truck Idling Reduction Grant Program to reimburse up to 50% of the cost of idle reduction devices and installation.

****DUE SOON**** [Regulator Replacement Rebate Program](#) – *Applications due December 31, 2016 or until funds are depleted*

This program is available on qualified regulators installed on or after January 1, 2016 until December 31, 2016 or until funds are depleted, whichever comes first. Wisconsin licensed propane dealers may apply for twenty (20) regulator rebates between the program start date and July 30, 2016. Beginning on August 1, 2016, each propane marketer may apply for more rebates as funds allow. To date \$12,900 of the \$18,000 fund is remaining.

[Board of Commissioners of Public Lands \(BCPL\) State Trust Fund Loan Program](#) – *Applications Accepted on a Continuous Basis*

The BCPL State Trust Fund Loan Program finances community & school projects; and are typically used for: 1) School repairs & improvements; 2) Local infrastructure projects; and 3) Local economic development through TIF districts & downtown revitalization projects.

[Notice of Intent/Discharge Cost-Share Grants](#) – *Applications Accepted on a Continuous Basis*

The Wisconsin Department of Natural Resources (DNR) and the Department of Agriculture, Trade and Consumer Protection (DATCP) offer cost-share funding grants to governmental units working with owners and operators of livestock operations to meet pollution control requirements imposed by the DNR.

[Environmental Improvement Funds \(EIF\) Loans Program](#) – *Check Web Site for Deadlines*

The Wisconsin Department of Natural Resources and Department of Administration co-administer program funding for two environmental financing programs for local governments: 1) the Clean Water Fund Program, and 2) the Safe Drinking Water Loan Program.

[Hazardous Substance Loans and Grants](#) – *Applications Accepted on a Continuous Basis*

The Wisconsin Department of Natural Resources offers loans and grant funds can be used for eligible costs incurred for cleanup of contamination from hazardous substances or hazardous substances commingled with petroleum.

[Petroleum Loans and Grants](#) – *Applications Accepted on a Continuous Basis*

The Wisconsin Department of Natural Resources offers loans and grant funds can be used for eligible costs incurred for cleanup of contamination from petroleum or petroleum products commingled with hazardous substance.

[Transportation Economic Assistance \(TEA\)](#) - *Applications Accepted on a Continuous Basis*

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The Wisconsin Department of Transportation provides 50% state grants to governing bodies, private businesses, and consortiums for road, rail, harbor and airport projects that help attract employers to Wisconsin, or encourage business and industry to remain and expand in the state.

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STATE TAX INCENTIVES

[Alternative Fuel Tax Refund for Taxis](#) – *Claims Accepted on a Continuous Basis*

A person using alternative fuel to operate a taxi used to transport passengers may be reimbursed for the paid amount of the Wisconsin state fuel tax.

[Alternative Fuel Tax Exemption](#) – *Claims Accepted on a Continuous Basis*

No county, city, village, town, or other political subdivision may levy or collect any excise, license, privilege, or occupational tax on motor vehicle fuel or alternative fuels, or on the purchase, sale, handling, or consumption of motor vehicle fuel or alternative fuels.

[Renewable Fuel Producer Excise Tax and Inspection Exemption](#) - *Claims Accepted on a Continuous Basis*

No tax is imposed on the first 1,000 gallons of renewable fuel produced or converted from another purpose each year by an individual and used by that individual in his or her personal motor vehicle, if the individual does not sell any such renewable fuel during that year.

[Renewable Energy Sales Tax Exemption](#) – *Claims Accepted on a Continuous Basis*

The sales price from sales of fuel oil, propane, coal, steam, corn, and wood (including wood pellets which are 100% wood) used for fuel sold for residential use are exempt from sales or use tax.

[Vehicle Battery and Engine Research Tax Credits](#) – *Claims Accepted on a Continuous Basis*

Corporations are eligible for a tax credit equal to 10% of qualified research expenses incurred in Wisconsin during the taxable year for qualified research including automotive batteries used in hybrid electric vehicles equal to 5% of amount paid or incurred during the taxable year to construct & equip new facilities or expand existing facilities used in WI for qualified research.

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LOCAL GOVERNMENT PROGRAMS

[City of Milwaukee Energy Efficiency \(Me²\) – Small Building Program](#)– *Applications Accepted on a Continuous Basis*

Me² provides free assessments to identify energy saving opportunities. The program helps you start saving energy and money right away with the immediate installation of energy-saving products for the small business owner. Receive up to \$7,500 in products, such as LED lighting, faucet aerators, and installation services.

[City of Milwaukee Energy Efficiency \(Me²\) Commercial Property Assessed Clean Energy \(PACE\) – Clean Energy Financing](#) – *Applications Accepted on a Continuous Basis*

Me² Property Assessed Clean Energy (PACE) Financing helps commercial property owners affordably finance building upgrades like heating and cooling systems, lighting, controls, and solar.

[Milwaukee Shines](#) – *Applications Accepted on a Continuous Basis*

Summit Credit Union in partnership with City of Milwaukee's solar program is offering up to \$2 million in low-interest solar loans for Milwaukee homeowners.

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UTILITY PROGRAMS

[Farm Rewiring Program](#) - *Available on a Continuous Basis*

The Farm Rewiring Program helps farmers throughout northeast Wisconsin bring their farms' electrical systems up to code and ready for tomorrow. If you would like to take part in the Farm Rewiring Program, start by calling your [WPS agricultural consultant](#).

[Focus on Energy- Renewable Energy Loan Program](#)- *Check Web Site for Deadlines*

CLEAN ENERGY FUNDING OPPORTUNITIES

For new renewable installations, customers in participating utility territories may apply for a low-interest loan offered in partnership with a private lender, designated by the customer. Focus on Energy provides half (or less) of loan funds for qualified renewable energy projects at 0% interest, and the private lender provides half (or more) of loan funds at market rates. No minimum loan amount requirement. Loans will be disbursed on a first-come, first-served basis to technically and financially sound projects determined by the financial institution, in partnership with the customers' designated lender.

[Focus on Energy - Renewable Rewards for Residential and Business](#) - *Applications Accepted on a Continuous Basis*

The Focus on Energy Renewable Rewards program provides prescriptive incentives available to both residential and business customers for PV (solar electric) and Ground Source Heat Pumps (GSHP or geothermal)

[Focus on Energy – New Homes Program](#) – *See Website for Additional Details*

The Focus on Energy New Homes Program pairs prospective homeowners with builders and energy experts to construct new homes that are between 10 and 100 percent more efficient than homes built to Wisconsin's Uniform Dwelling Code. They're built to be as comfortable, durable, combustion safe and energy efficient as possible.

[Focus on Energy – Design Assistance program](#) – *See Website for Additional Details*

The Focus on Energy Design Assistance Program provides design professionals, builders, developers and building owners with energy-saving options for the design of new buildings. In addition, the program offers incentives to design teams and to building owners, which can be used to reduce the upfront cost of high efficiency measures that exceed Wisconsin building code requirements.

[Focus on Energy](#) – *Check Web Site for Specific Deadline and Program Information*

Focus on Energy is Wisconsin utilities' statewide energy efficiency and renewable resource program. The information, resources and financial incentives are available to help implement energy saving projects that otherwise would not be completed, or to complete projects sooner than scheduled.

[Alliant Energy Charitable Foundation](#) - *Applications due January 15, May 15 and September 15 Annually*

Community Grants are directed to projects, programs & initiatives that help protect the environment by supporting organizations that educate, inform & advance environmental issues that benefit residents & communities in four Midwestern states served by Alliant's subsidiaries.

[Alliant Energy \(Wisconsin Power & Light\) Farm Wiring Grant & Loan Program](#) – *Available on a Continuous Basis*

Alliant Energy offers a Farm Wiring Grant program to increase farm safety, productivity & efficiency. Alliant Energy will inspect the facility for stray voltage & recommend improvements.

[Madison Gas & Electric – Project Financing for Businesses](#) – *Available on a Continuous Basis*

Madison Gas & Electric (MGE) works with businesses to reduce costs and improve efficiency and profitability. Businesses can turn to MGE for equipment financing, facility improvements or new construction.

[Riverland Energy Cooperative Rebate Programs](#) – *Available on a Continuous Basis*

Riverland Energy Cooperative offers many rebates & incentives for residential customers to save on energy efficient appliance & equipment purchases & installation: for lighting fixtures, Energy Star appliances, electric water heaters, air conditioners, heat pumps, electric boilers, & central electric thermal storage units.

[We Energies - Livestock and Dairy Farm Electrical Re-wiring Program](#) – *Available on a Continuous Basis*

Any We Energies livestock or dairy farm customer can apply for assistance with a re-wiring project.

[Xcel Energy Peak Day Partners \(PDP\) Program](#) – *Available on a Continuous Basis*

The Xcel Energy Peak Day Partners (PDP) program partners with qualifying businesses to better manage electricity demand when peak electricity load is a concern. In exchange, businesses can receive bill credits or separate payments for participating.

[Xcel Energy Farm Rewiring](#) – *Available on a Continuous Basis*

CLEAN ENERGY FUNDING OPPORTUNITIES

With Xcel Energy's Farm Rewiring Program, a farm operation can take advantage of up to \$33,000 in grants and loans to help provide the necessary financing to update wiring.

PRIVATELY FUNDED PROGRAMS

****DUE SOON**** [Regulator Replacement Rebate Program](#) - *Now Accepting Applications*

The Wisconsin Propane Education and Research Council's 2016 Wisconsin Regulator Replacement Rebate Program encourages the replacement of regulators that are 15 years or older or are a single stage regulator. The propane marketer may receive a rebate in the sum of \$30.00 per replaced regulator. This program is available to qualified regulators installed on or after January 1, 2016 until December 31, 2016 or funds are depleted, whichever comes first.

[Forward Community Investments \(FCI\)](#) - *Applications Accepted on a Continuous Basis*

FCI transforms communities by providing loans & advisory services to nonprofit organizations serving its most in-need communities.

[Impact Seven](#) - *Applications Accepted on a Continuous Basis*

Impact Seven has assembled a number of different business development loans, incentives and new market tax credit programs to support growing and retaining businesses in Wisconsin.

[C.D. Besadny Conservation Grants](#) - *Applications Accepted on a Continuous Basis*

The Natural Resources Foundation's C.D. Besadny Conservation Grant Program provides small, matching grants to conservation organizations in support of projects that promote the responsible stewardship of Wisconsin's natural resources at the local level.

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MISCELLANEOUS FUNDING/ASSISTANCE

[Profitable Sustainability Initiative \(PSI\) Services](#) - *Available on a Continuous Basis*

Wisconsin Manufacturing Extension Partnership's Profitable Sustainability Initiative (PSI) Services can help you identify the most important business impacts and highest return on investment that can be achieved through reaching higher profitable sustainability performance in your company. The Profitable Sustainability Initiative (PSI) methodology utilizes a powerful and unique process that identifies, assesses and implements profitable sustainability solutions that are custom-designed to fit your company's unique needs and objectives.

[Business Planning or Commercialization Planning Assistance](#) - *Available on a Continuous Basis*

The Center for Technology Commercialization offers this micro-grant funding for hiring an independent, third party to write a comprehensive business or commercialization plan for a Wisconsin business. The program is limited to businesses in certain industries.

[Biodiesel Fuel Use Incentive](#) - *Available on a Continuous Basis*

The Wisconsin Department of Public Instruction provides financial aid to school districts using biodiesel to operate school buses.

[Joint Effort Marketing \(JEM\) Grant Program](#) - *Applications Accepted on a Continuous Basis*

The Wisconsin Department of Tourism Joint Effort Marketing (JEM) Grant Program offers cash and guidance to make a promotion or event come to fruition. The grant reimburses Wisconsin non-profit organizations for qualified advertising costs.

[Meetings Mean Business Grant Program](#) - *Applications Accepted on a Continuous Basis*

This Wisconsin Department of Tourism Meetings Mean Business Grant Program helps potential Wisconsin destinations by providing financial assistance for facility costs or host destination expenses as they bid for regional and national meetings or conventions.

CLEAN ENERGY FUNDING OPPORTUNITIES

[Small Business Innovation Research \(SBIR\)/Small Business Technology Transfer \(STTR\) Assistance](#) - Available on a Continuous Basis

The Center for Technology Commercialization offers micro-grants aimed at technology and research-based Wisconsin businesses who intend to apply for SBIR or STTR federal funds. The grants typically cover costs incurred by a business in hiring an independent third-party to assist in the development of federal SBIR and STTR research and development proposal.

[Qualified Energy Conservation Bonds \(QECBs\)](#) – Available on a Continuous Basis

The Internal Revenue Service provides direct-payment subsidy taxable bonds or tax credit bonds that may be issued by state & local governments that allow an issuer to borrow for “qualified conservation purposes” at rates that may be significantly lower than traditional tax-exempt rates. They can be used for public or private projects. Contact Steve Sabatke at (608)267-0762 or Steven.Sabatke@Wisconsin.gov for additional information specific to Wisconsin.

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[ADDITIONAL FUNDING RESOURCE GUIDES & DATABASES](#)

[Financial Incentives for the Energy Projects in Wisconsin](#)

The Wisconsin State Energy Office provides a comprehensive guide to Wisconsin financial incentives for clean energy projects.

[Financial Resource Guide for Cleanup and Redevelopment](#)

The Wisconsin Department of Natural Resources provides summaries for many grants, loans, tax incentives & reimbursement programs, & includes a quick reference chart, how-to guide & other web sites to fund brownfield redevelopment projects.

[Center for Technology Commercialization \(CTC\)](#)

The CTC provides business assistance, training, financing opportunities and a network of over 100 organizations helping existing and potential Wisconsin businesses succeed.

[Got Moola](#)

The WI Department of Agriculture, Trade and Consumer Protection provides this tool to help small businesses develop & grow their value-added business using money, information, and technical assistance outside their organization.

[Database of State Incentives for Renewables & Efficiency \(DSIRE\)](#)

DSIRE offers a comprehensive source of information on state, local, utility, & federal incentives that promote renewable energy & energy efficiency.

[University of Wisconsin Law & Entrepreneurship Clinic](#) provides free legal services.

[Madworks Seed Accelerator](#) offers a ten-week class to 5-10 early stage companies using lean start-up methods and providing modest grant funding from WEDC. We also work with other groups such as gBeta and gener8tor.

[Merlin Mentors](#) The overall objective of MERLIN is to create a larger pool of viable entrepreneurs within the Madison community. MERLIN fosters growth in the number and quality of Madison area start-up enterprises by matching new entrepreneurs with experienced business people.

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FEDERAL OPPORTUNITIES

EVENT:

COMING SOON** [Delivering Innovation Event: \\$5B in Funding – Meet the Agencies](#) – November 29-December 1, 2016, Austin, Texas

- Defense Energy Innovation Summit & Showcase: Delivering Energy Innovation to our National Defense
- Defense Innovation - Technology Acceleration Challenges: Delivering Innovation to our National Defense
- Small Business Innovation Research (SBIR)/Small Business Technology Transfer (STTR) Innovation Summit: Delivering Innovation, Accelerating Commercialization

FEDERAL OPPORTUNITY ANNOUNCEMENTS, SOLICITATIONS, NOTICES OF INTENT AND REQUESTS FOR INFORMATION

[EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations \(RII Track-2 FEC\)](#) – Applications due Feb 10, 2017

The Experimental Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. A jurisdiction is eligible to participate in EPSCoR programs if its level of NSF research support is equal to or less than 0.75 percent of the total NSF research and related activities budget for the most recent three-year period. Through this program, NSF establishes partnerships with government, higher education, and industry that are designed to effect sustainable improvements in a jurisdiction's research infrastructure, Research and Development (R&D) capacity, and hence, its R&D competitiveness. RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two RII-eligible jurisdictions. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of different types of individuals, institutions, and sectors throughout the project.

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AGRICULTURE/FARMING

[Microloan Program](#) – Applications Accepted on an Ongoing Basis

The U.S. Department of Agriculture – Farm Service Program provides loans for the purchase of renewable energy systems, and energy improvements, including: solar PV, solar thermal, wind, anaerobic digester, geothermal, energy efficiency such as lights, fans, equipment, coolers, thermal curtains.

[Direct Operating Loan](#) – Applications Accepted on an Ongoing Basis

The U.S. Department of Agriculture – Farm Service Program provides loans for the purchase of renewable energy systems, and energy improvements, including: solar PV, solar thermal, wind, anaerobic digester, geothermal, energy efficiency such as lights, fans, equipment, coolers, thermal curtains.

[Farm Ownership Loan](#) – Applications Accepted on an Ongoing Basis

The U.S. Department of Agriculture – Farm Service Program provides loans for the purchase of renewable energy systems, and energy improvements, including: solar PV, solar thermal, wind, anaerobic digester, geothermal, energy efficiency such as lights, fans, equipment, coolers, thermal curtains.

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CONSERVATION INNOVATION GRANTS

[Natural Resource Conservation Service \(NRCS\)](#)

ENERGY FUNDING OPPORTUNITIES

Conservation Innovation Grants (CIG) - supports the development and adoption of innovative conservation approaches and technologies while leveraging federal investment in environmental enhancement and protection, in conjunction with agricultural production.

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BIOMASS

****NEW**DUE SOON**** [Biomass Crop Assistance Program](#) – *Biomass Conversion Facility Applications due December 5, 2016. Matching, Establishment and Annual Payments due March 15, 2017*

The Biomass Crop Assistance Program (BCAP) provides financial assistance to owners and operators of agricultural and non-industrial private forest land who wish to establish, produce, and deliver biomass feedstocks. Approved Biomass Conversion Facilities are eligible to receive BCAP-funded biomass.

[USDA-Forest Service Wood Energy and Resource Center \(WERC\) Wood Innovations Program](#) – *Applications due January 23, 2017*

The U.S. Forest Service (Forest Service) requests proposals to substantially expand and accelerate wood energy and wood products markets throughout the United States to support forest management needs on National Forest System and other forest lands. This Request for Proposal focuses on the following priorities to: Reduce hazardous fuels and improve forest health on National Forest System and other forest lands; Reduce costs of forest management on all land types; Promote economic and environmental health of communities.

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BROADBAND

[Broadband Loan Program](#) – *Applications Accepted on a Continuous Basis*

The U.S. Department of Energy provides loans for funding, on a technology neutral basis, for the costs of construction, improvement, and acquisition of facilities and equipment to provide broadband service to eligible rural communities.

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BUILDINGS

****NEW**** [Assisting Federal Facilities with Energy Conservation Technologies \(AFFECT\) 2017](#) – *Applications due January 30, 2017*

Under this FY2017 “Assisting Federal Facilities with Energy Conservation Technologies” (AFFECT) Funding Opportunity Announcement (FOA), the U.S. Department of Energy’s (DOE) Federal Energy Management Program (FEMP) will provide grants to Federal agencies for projects that are incorporated into a privately financed performance contract, such as an Energy Savings Performance Contract or Utility Energy Service Contract, or as part of a Power Purchase Agreement (PPA). Applications for projects that are financed through appropriations will also be considered.

[Scaling Up the Next Generation of Building Efficiency Packages](#) – *Applications due February 21, 2017*

The Commercial Buildings Integration (CBI) program, working in cooperation with the General Services Administration’s (GSA) Green Proving Ground program, will invest \$6.5 million in a competitive Funding Opportunity Announcement (FOA). DOE seeks proposals that drive innovation in real building technology demonstrations while also fostering the collaboration of dynamic demonstration teams that include energy organizations (states, local governments or Regional Energy Efficiency

ENERGY FUNDING OPPORTUNITIES

Organizations), efficient building hubs (such as Innovation or Incubator hubs), utilities, and building energy modeling professionals.

[Notice of Intent: Commercial Buildings and Energy Code Field Studies](#)

The purpose of this Notice of Intent is to provide potential applicants advance notice that the Building Technologies Office, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a FOA titled, "Commercial Buildings and Energy Code Field Studies". This FOA supports DOE's continued interest in providing tools and data to help local governments, utilities, industry, design and construction professionals and other entities better understand the impact of energy codes and how to most effectively increase energy and cost savings. The current FOA expands the field-based concepts developed in the residential FOA to the much more diverse commercial sector. In particular, DOE is seeking to develop and test a methodology for identifying the commercial energy code requirements that can provide the maximum cost-effective energy and cost savings through increased compliance. DOE has done pilot work in this area which will serve as the basis for the requirements in this FOA. At the same time, there has been very little scientifically-based research conducted on commercial energy codes; DOE therefore anticipates that information gathered during the FOA work will lead to new thinking and approaches which will be incorporated into the project.

[Notice of Intent to issue Funding Opportunity Announcement DE-FOA-0001630: Building America Industry Partnerships for High Performance Housing Innovation - 2017](#)

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Building Technologies Office (BTO), a Funding Opportunity Announcement (FOA) entitled "Building America Industry Partnerships for High Performance Housing Innovation - 2017". This FOA supports the Building America Program which is the BTO Residential Building Integration (RBI) Program's premier applied research, development, & demonstration (RD&D) program, responsible for over 40 housing innovations to date that have enabled technology and market advancements in residential energy efficiency. Since 1994, the rigor of the national energy code has increased over 40% by applying high performance building envelope innovations proven with Building America research and demonstration. With this FOA, RBI will select additional building science project teams in 2017 for the Building America Program to accelerate energy performance improvements in existing and new residential buildings using an integrated building systems approach to achieve peak energy performance.

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COAL

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COMBINED HEAT AND POWER

[Trial Combined Heat and Power Test sites](#) – *Contact AO Smith for further details*

The U.S. Department of Energy and AO Smith have entered into a cooperative agreement to evaluate combined heat and power for light commercial applications. They are seeking trial sites to identify market barriers via deployment of eight field trial systems in the U.S. to provide stake-holders with the information needed to build a sustainable market.

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ECONOMIC DEVELOPMENT/JOB CREATION/WORKFORCE DEVELOPMENT

[FY 2016 – FY 2019 Economic Development Assistance Planning Program and Local Technical Assistance Program \(EDA-HDQ-TA-HDQ-2016-2004759\)](#) - *Applications Accepted on a Continuous Basis*

The U.S. Department of commerce will assist eligible recipients in creating regional economic development plans designed to build capacity and guide the economic prosperity and resiliency of an area or region

[Economic Development Assistance Programs - Public Works and Economic Adjustment Assistance Program \(EDAP2016\)](#) –

Applications Accepted on a Continuous Basis

The U.S. Department of commerce solicits applications from applicants in rural and urban areas to provide investments that support construction, non-construction, technical assistance, and revolving loan fund projects under Economic Development Assistance's (EDA) Public Works and Economic Adjustment Assistance programs. Grants and cooperative agreements made

ENERGY FUNDING OPPORTUNITIES

under these programs are designed to leverage existing regional assets and support the implementation of economic development strategies that advance new ideas and creative approaches to advance economic prosperity in distressed communities. EDA provides strategic investments on a competitive- merit-basis to support economic development, foster job creation, and attract private investment in economically distressed areas of the United States.

[Planning Program and Local Technical Assistance Program \(EDAPLANNING2012\)](#) – *Applications Accepted on a Continuous Basis*

The U.S. Department of Commerce – Economic Development Administration assists eligible recipients in creating regional economic development plans designed to stimulate and guide the economic development efforts of a community or region.

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ENVIRONMENT/CLIMATE CHANGE

****DUE SOON**** [Pesticide Safety Education Funds Management Program](#) – *Applications due December 21, 2016*

The U.S. Environmental Protection Agency (EPA) is soliciting proposals from eligible applicants to manage a Pesticide Safety Education Funds Management Program (PSEFMP). Specifically, EPA is soliciting proposals from eligible applicants to establish and administer a national subaward program in support of pesticide applicator education and training for certified applicators of restricted use pesticides. A subaward program includes, but is not limited to, the administration and distribution of funds, monitoring subrecipients and measuring and reporting on results.

[FY 2017 National Climate Change & Wildlife Center Program](#) – *Applications due January 12, 2017*

This program was created to ensure that the National Climate Change and Wildlife Science Center is responsive to the research and management needs of Federal and State agencies to provide science and technical support regarding the impacts of climate change in fish, wildlife, plants and ecological processes. National coordination of research and modeling at regional centers will ensure uniformity of downscaling and forecasting models and standardized information to support management of fish and wildlife resources and regional partnership collaborations. The Climate Science Centers will provide access to the expertise at cooperating universities and supports the mission of the Climate Science Center Program.

****NEW**** [Great Lakes Restoration Initiative](#) – *Applications due January 13, 2017*

This RFA is EPA's major competitive grant funding opportunity under the Great Lakes Restoration Initiative ("GLRI" or "Initiative") for FY 2016 and FY 2017 and is one of several funding opportunities available through federal agencies under the GLRI. It is not anticipated that EPA will offer funding opportunities for these categories again in FY 2017.

The seven Funding Opportunities and associated FONs are:

- Great Lakes Taxonomy and Barcodes to Support Early Detection Monitoring (EPA-R5-GL2016-TAG)
- Invasive Species Control (EPA-R5-GL2016-ISC)
- Foundations for Invasive Species Collaborations (EPA-R5-GL2016-FFC)
- Phosphorus Risk Reduction Pilots in Western Lake Erie Agricultural Watersheds (EPA-R5-GL2016-PRR)
- Agricultural Watershed Management Implementation (EPA-R5-GL2016-AWM)
- Urban Watershed Management Implementation (EPA-R5-GL2016-UWM)
- Agricultural Incentive Program Effectiveness (EPA-R5-GL2016-AIP)

****NEW**** [Environmental Research Apprenticeship Program for College and University Students](#) – *Applications due January 24, 2017*

EPA-ORD seeks applications from eligible entities to enter into a cooperative agreement with EPA that will provide training opportunities for undergraduate and graduate students on-site at ORD's Ground Water and Ecosystems Research Division (GWERD) research facilities located in Ada, Oklahoma. It is envisioned that the training program will increase both the effectiveness and number of future environmental scientists.

[Environmental Justice Small Grants Program](#) – *Applications due January 31, 2017*

The Environmental Justice Small Grants (EJSG) Program provides funding for eligible applicants for projects that address local environmental and public health issues within an affected community. The EJSG Program is designed to help communities understand and address exposure to multiple environmental harms and risks. Applying organizations are encouraged to have a direct connection to the vulnerable affected, community impacted by environmental harms and risks.

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[NOAA Climate Program Office's Regional Integrated Sciences and Assessments \(RISA\) Program](#) – Applications due February 6, 2016

In FY 2017, the Department of Commerce NOAA Climate Program Office's Regional Integrated Sciences and Assessments (RISA) is holding two competitions for research funding focused on three geographies. We are soliciting proposals for: 1) Competition 1: a RISA team focused on the Arizona/New Mexico region of the US; and 2) Competition 2: a RISA team focused on either the California/Nevada region of the US or on the Midwestern region of the US.

****NEW**** [Early Career: Anticipating the Environmental Impacts and Behavioral Drivers of Deep Decarbonization](#) – Applications due February 10, 2017

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research that will contribute to an improved ability to understand and anticipate the public health and environmental impacts and behavioral drivers of significant changes in energy production and consumption in the United States, particularly those changes associated with advancing toward the deep decarbonization necessary to achieve national and international climate change mitigation objectives and avoid the most significant health, environmental, and economic impacts of climate change.

[Long Term Research in Environmental Biology](#) – Applications due August 2, 2017 and annually thereafter

The Long Term Research in Environmental Biology (LTREB) Program supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time scales; and external forcing functions such as climatic cycles that operate over long return intervals. The Program intends to support decadal projects.

[Environmental Quality Incentive Program](#) - Applications Accepted on a Continuous Basis

The U.S. Department of Agriculture - Environmental Quality Incentives Program (EQIP) is a voluntary program that provides financial and technical assistance to agricultural producers through contracts up to a maximum term of ten years in length. These contracts provide financial assistance to help plan and implement conservation practices that address natural resource concerns and for opportunities to improve soil, water, plant, animal, air and related resources on agricultural land and non-industrial private forestland.

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WETLANDS

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WILDLIFE

[FY 2017 National Climate Change & Wildlife Center Program](#) – Applications due Jan 12, 2017

This program was created to ensure that the National Climate Change and Wildlife Science Center is responsive to the research and management needs of Federal and State agencies to provide science and technical support regarding the impacts of climate change in fish, wildlife, plants and ecological processes. National coordination of research and modeling at regional centers will ensure uniformity of downscaling and forecasting models and standardized information to support management of fish and wildlife resources and regional partnership collaborations. The Climate Science Centers will provide access to the expertise at cooperating universities and supports the mission of the Climate Science Center Program

[Notice of Intent: Wind Energy – Eagle Impact Minimization Technologies and Field Testing Opportunities](#)

This FOA aims to advance the technical readiness of eagle detection, classification, and impact minimization technologies in order to 1) expand the scientific basis of and number of technical options available for further development and testing (Topic

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Areas 1 & 2), and 2) support the field testing and evaluation of near-commercial technologies (Topic Area 3), which, if successful, will provide wind plant owner-operators with viable and cost effective tools to reduce eagle impact risks and ease regulatory hurdles.

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POLLUTION

****DUE SOON**** [FY17 Guidelines for Brownfields Assessment Grants](#) – *Applications due December 20, 2016*

EPA's Brownfields Program provides funds to empower states, communities, tribes, and nonprofits to prevent, inventory, assess, clean up, and reuse brownfield sites. Under these guidelines, EPA is seeking proposals for Assessment Grants only.

****DUE SOON**** [Solid Waste Management \(SWM\) Grant Program](#) – *Applications due December 31, 2016*

Department of Agriculture, Utilities Program offers the Solid Waste Management (SWM) Grant Program to assist communities through free technical assistance and/or training provided by the grant recipients. Qualified organizations will receive SWM grant funds to reduce or eliminate pollution of water resources in rural areas, and improve planning and management of solid waste sites in rural areas.

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ENERGY EFFICIENCY/CONSERVATION

[USDA Rural Utility Service \(RUS\) Electric Program](#) – *Due Dates Vary*

[Rural Energy Savings program](#), [High Energy Cost Grants](#), etc.

****NEW**** [Non-Construction Approaches to Reducing Greenhouse Gas Emissions Through Energy Efficient Products and Practices](#) – *Applications due January 5, 2017*

This notice announces the availability of funds and solicits proposals that advance the energy efficiency of products through product-specific technical research, test procedure development, and education that drives consumer adoption of efficient products and practices.

[Spectrum Efficiency, Energy Efficiency, and Security \(SpecEES\): Enabling Spectrum for All](#) – *Applications due January 19, 2017*

The goal of the SpecEES program is to enable next-generation wireless communications and networking that are spectrum-efficient, energy-efficient, and secure in a dynamic spectrum environment. In particular, the program solicits proposals that not only advance the frontiers of spectral efficiency, but also specifically address research challenges related to energy efficiency and/or security in spectrum utilization.

****NEW**** [Notice of Intent to Issue Funding Opportunity Announcement: Industrial Assessment Centers Technical Field Manager](#)

The Industrial Assessment Center (IAC) program is a resource conservation and workforce development initiative of AMO based in the engineering departments of universities nationwide. IACs conduct assessments and provide site-specific recommendations to small manufacturers on opportunities to improve productivity, reduce waste, and save energy. The program also provides engineering students with invaluable hands-on experience in energy engineering and energy management. EERE intends to fund the activities for an IAC Technical Field Manager. The Technical Field Manager is a liaison between the AMO Technology Manager and the individual IACs, provides technical assistance and outreach to individual centers, and is the principle mechanism for ensuring the 28 individual IACs and their associated satellite centers perform at the highest possible level and that their activities support the achievement of AMO goals.

[Notice of Intent: Assisting Federal Facilities with Energy Conservation Technologies \(AFFECT\) 2017](#)

The purpose of this notice is to provide potential applicants advance notice that the Office of Energy Efficiency and Renewable Energy (EERE), U.S. Department of Energy (DOE) intends to issue, on behalf of the Federal Energy Management Program (FEMP), a Funding Opportunity Announcement (FOA) entitled "Assisting Federal Facilities with Energy Conservation

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Technologies (AFFECT) 2017". (DE-FOA-0001667). This notice is issued so that interested parties are aware of the EERE's intention to issue this FOA in the near term. All of the information contained in this notice is subject to change.

[Notice of Intent to Issue Funding Opportunity Announcement: Industrial Assessment Centers](#)

The goal of the Industrial Assessment Center (IAC) program is twofold: first, to assist small and medium-sized enterprises (SMEs), currently defined as having gross annual sales below \$100 million, fewer than 500 employees, and annual energy bills between \$100,000 and \$2.5 million, to increase their energy efficiency, productivity, sustainability and competitiveness; and second, to help address a growing shortage of engineering professionals with applied energy-related skills. Prospective IACs can demonstrate their capabilities and describe their approach to serve small and medium-sized manufacturers by analyzing the operating characteristics, productivity, and energy, water and waste usage of manufacturing facilities; identifying, quantifying, and recommending specific opportunities to improve energy and water efficiency, reduce waste, and improve productivity; including potential enhancements to cyber security and related information technologies; and reporting the findings to the facility, together with estimates of the energy savings opportunities, implementation costs, and payback periods. Each IAC will provide extensive training for undergraduate and graduate engineering students in industrial processes, energy assessment procedures, and energy management systems.

[Notice of Intent: Next Generation of Electric Machines: Enabling Technologies](#)

The purpose of this Notice is to provide potential applicants advance notice that the Advanced Manufacturing Office (AMO), on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), intends to issue a FOA titled "Next Generation of Electric Machines: Enabling Technologies" (DE-FOA-0001467).

[Renewable Energy Systems and Energy Efficiency Improvements Program Grant \(RDBCP-REAP-RES-EEI-2016\)](#) – Applications are accepted year-round. For applicants requesting grants of \$20,000 or less, funds of over \$20,000 or funding for a combination grant and guaranteed loan, complete applications must be received by May 2, 2016.

The U.S. Department of Agriculture provides guaranteed loan financing and grant funding to agricultural producers and rural small businesses to purchase or install renewable energy systems or make energy efficiency improvements

[Rural Energy for America Program - Renewable Energy Systems & Energy Efficiency Improvement Loans & Grants](#) - Guaranteed loan funds are available year round

The U.S. Department of Agriculture - Rural Energy for America Program (REAP) helps agricultural producers and rural small businesses reduce energy costs and consumption in order to meet the nation's critical energy needs.

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FUEL CELL/HYDROGEN

****NEW**DUE SOON**** [Request for Information \(RFI\): Hydrogen and Fuel Cell Manufacturing: Identifying Specific Components for Manufacturing Standardization](#) – Responses due December 30, 2016

The Fuel Cell Technologies Office (FCTO) operates within the Hydrogen and Fuel Cells Program. The FCTO seeks input from industry, academia, research laboratories, government agencies, and other stakeholders on how and which components in the hydrogen and fuel cell manufacturing process can and should be standardized. It also seeks to identify manufacturing pathways to reduce costs in both the near and longer-term, as well as how to address any critical barriers regarding manufacturability and supply chain development.

****NEW**** [Fuel Cells Technologies Office Annual Funding Opportunity Announcement](#) – Applications due February 21, 2017

This Funding Opportunity Announcement (FOA) is for the research and development of low-cost hydrogen production, onboard hydrogen storage, and proton exchange membrane fuel cells to advance the widespread commercialization of fuel cell electric vehicles. Selected projects will leverage national lab consortia launched under DOE's Energy Materials Network (EMN) this past year, in support of DOE's materials research and advanced manufacturing priorities.

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FORESTRY

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GEOHERMAL

****NEW**** [Deep Direct-Use Feasibility Studies](#) – *Applications due May 15, 2017*

This Funding Opportunity Announcement is soliciting applications that propose projects conducting feasibility studies of large-scale, low-temperature deep-well geothermal systems coupled with advanced direct-use applications and cascaded surface technologies whose applications will extend the reach of geothermal into geologically distinct parts of the country beyond the western U.S.

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AVIATION

****DUE SOON**** [Aviation Research and Development Grants](#) - *Applications Accepted through December 31, 2019*

The Federal Aviation Administration solicits proposals for research grants & cooperative agreements to pursue the long-term growth & short-term technical needs of civil aviation. FAA aims to improve regulatory standards for sources of air & noise pollution, & develop better technologies for predicting, measuring, & abating environmental impacts of emissions.

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BIOENERGY/BIOFUELS

****NEW**** [Plant Feedstocks Genomics for Bioenergy: A Joint Research Funding Opportunity Announcement](#) – *Applications due February 15, 2017*

The U.S. Department of Energy's Office of Science, Biological and Environmental Research (BER), and the U.S. Department of Agriculture (USDA), National Institute of Food and Agriculture (NIFA), hereby announce their interest in receiving applications for genomics- based research that will lead to the improved use of plant biomass and feedstocks for the production of biofuels and renewable chemical feedstocks. Applications are sought for research on candidate herbaceous and woody plants with improved resistance/tolerance to disease and disease complexes, and non-food oil seed crops with improved winter cold tolerance/survivability and agronomic traits. Research to overcome these biological barriers to the low-cost, high quality, scalable and sustainable production of dedicated bioenergy biomass feedstocks using the tools of genetics and genomics are encouraged.

[Biosystems Design to Enable Next-Generation Biofuels and Bioproducts](#) – *Applications due March 20, 2017*

Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE) hereby announces its interest in receiving applications for research of interest to the Genomic Science Program (<http://genomicscience.energy.gov>) in the following research areas: a) Integrating large-scale systems biology data to model, design, and engineer microbial systems for the production of biofuels and bioproducts: Interdisciplinary approaches to develop innovative, high-throughput modeling, genome-wide design and editing, and engineering technologies for a broad range of microbes relevant for the production of biofuels and bioproducts from biomass. b) Plant systems design for bioenergy: To develop novel technologies for genome-scale engineering to re-design bioenergy crops that can grow in marginal environments while producing high yield of biomass that can be easily

converted to biofuels and bioproducts. Applications should include strategies to address biocontainment, minimizing risks of potential release of engineered organisms into the environment or other unintended outcomes.

[Notice of Intent \(NOI\) DE-FOA-0001581 to Issue Funding Opportunity Announcement DE-FOA-0001232](#)

This FOA supports technology development plans for the manufacture of drop-in hydrocarbon biofuels, bioproducts, or intermediates in a pilot- or demonstration-scale integrated biorefinery. Scale-up and validation of these process technologies is essential to enable the industry to build future pioneer- and commercial-scale manufacturing facilities. Plans for facilities that use cellulosic biomass, algal biomass, or biosolids feedstocks will be considered under this funding opportunity. Under this FOA, applicants must address one comprehensive topic area with three main priority areas. These priority areas are: 1. Pilot scale production of biofuels from high impact cellulosic, algal, or biogas feedstocks. 2. Demonstration scale production of biofuels from high impact cellulosic, algal, or biogas algal feedstocks. 3. Production of biopower, or biofuels from biosolids and other waste streams.

[Notice of Intent: Mega-Bio: Bioproducts to Enable Biofuels \(DE-FOA-0001433\)](#)

The U.S. Department of Energy aims to identify R&D projects that develop biomass to hydrocarbon biofuels conversion pathways that can produce variable amounts of fuels and products based on external factors, such as market demand. These pathways could consist of a route to a platform chemical that could be converted to products or fuels or a route that coproduces chemicals and fuels. Successful applications will include a clear justification for producing the target molecule(s) from biomass, a compelling narrative explaining how the target product(s) will enable biofuels, and supporting technoeconomic analysis and life cycle analysis.

[Earth Sciences: Instrumentation and Facilities \(NSF 11-516\)](#) - *Applications Accepted on a Continuous Basis*

The National Science Foundation - Division of Earth Sciences supports proposals for research to advance understanding of the Earth's changing environments, and the natural distribution of its mineral, water, biota, and energy resources and provide methods for predicting and mitigating the effects of geologic hazards such as earthquakes, volcanic eruptions, floods and landslides.

[Earth Sciences Education and Human Resources \(PD-04-1575\)](#) - *Applications Accepted on a Continuous Basis*

The National Science Foundation - Division of Earth Sciences, Education and Human Resources Program (E&HR) supports, Research Experiences for Undergraduates (REU) and Teachers (RET), Faculty Early Career Development (CAREER), and EAR Postdoctoral Fellowship.

[Climate and Large-Scale Dynamics \(PD-06-5740\)](#) - *Applications Accepted on a Continuous Basis*

The National Science Foundation seeks projects that advance knowledge of processes that force & regulate atmosphere's synoptic & planetary circulation, weather & climate; and sustain resources required for synoptic & global atmospheric dynamics & climate research merit.

[Paleoclimate \(PD-98-1530\)](#) - *Applications Accepted on a Continuous Basis*

The National Science Foundation seeks proposals for Paleoclimate research. Projects should focus on the natural evolution of Earth's climate with the goal of providing a baseline for present variability & future trends through improved understanding of the physical, chemical, & biological processes that influence climate over the long-term.

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[Solid State Lighting Advanced Technology R&D 2017](#) - *Applications due Jan 10, 2017*

Through research and development of solid state lighting (SSL) including both light emitting diode and organic light emitting diode technologies the objectives of this opportunity are to maximize the energy efficiency of SSL products in the market place, remove market barriers through improvements to lifetime, color quality, and lighting system performance, reduce costs of SSL sources and luminaires, improve product consistency while maintaining high quality

products, and encourage the growth, leadership, and sustainability of domestic US manufacturing within the SSL industry.

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FOSSIL ENERGY

****DUE SOON**** [Carbon Storage Assurance Facility Enterprise \(CarbonSAFE\): Storage Complex Facility Department of Energy](#) – Applications due December 1, 2017

The purpose of the FOA entitled Carbon Storage Assurance Facility Enterprise (CarbonSAFE): Storage Complex Feasibility is to solicit and competitively seek research and development projects which will perform the initial characterization of a storage complex identified as having high potential, to establish its feasibility for commercial storage (50+ million metric tons CO₂). The objectives of this phase include and extend the pre-feasibility work, focusing on one or multiple specific reservoirs within the defined storage complex, and comprising efforts in data collection; geologic analysis; identification of contractual and regulatory requirements and development of plans to satisfy them; subsurface modeling to support geologic characterization, risk assessment, and monitoring; and public outreach.

****DUE SOON**** [Production of Salable Rare Earth Element Materials from Coal and Coal Byproducts](#) – Applications due December 8, 2016

The Department of Energy Office of Fossil Energy and the National Energy Technology Laboratory are seeking applications for financial assistance awards to achieve small scale production of salable rare earth elements in the form of final products such as individual rare earth oxides and or other individual rare earth compounds from domestic U.S. sources of pre combustion coal and coal by products.

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MULTIDISCIPLINARY

****DUE SOON**** [Request for Information: Research Needs Related to Unconventional Oil and Natural Gas, Beneficial Use of Produced Water, Offshore Spill Prevention, Natural Gas Conversion, and Offshore Carbon Dioxide Storage/Enhanced Oil Recovery](#) – Responses due December 16, 2016

The objective of this RFI is to support DOE's mission to lead research and technology development that promotes the prudent development of oil and gas resources and reduces the environmental footprint of oil and gas activities. This includes efforts to ensure that promising technologies progress through subsequent technology readiness levels (TRL) in order to further ensure safe and environmentally sustainable oil and gas resource development. The DOE will accomplish this mission in cooperation with the private sector, academia, and other stakeholders.

[EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations \(RII Track-2 FEC\)](#) – Applications due February 10, 2017

The Experimental Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. Through this program, NSF establishes partnerships with government, higher education, and industry that are designed to effect sustainable improvements in a jurisdiction's research infrastructure, Research and Development (R&D) capacity, and hence, its R&D competitiveness. RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two RII-eligible jurisdictions. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of different types of individuals, institutions, and sectors throughout the project.

****NEW**** [Algorithms for Modern Power Systems](#) – Applications due February 13, 2017

The Algorithms for Modern Power Systems (AMPS) program will support research projects to develop the next generation of mathematical and statistical algorithms for improvement of the security, reliability, and efficiency of the modern power grid. The program is a partnership between the Division of Mathematical Sciences (DMS) at the

ENERGY FUNDING OPPORTUNITIES

National Science Foundation (NSF) and the Office of Electricity Delivery & Energy Reliability (OE) at the U.S. Department of Energy (DOE).

[Geobiology and Low-Temperature Geochemistry \(GG\) \(NSF-15-559\)](#) - *Applications Accepted on a Continuous Basis*
The National Science Foundation Geobiology and Low-Temperature Geochemistry Program supports studies that address address: 1) inorganic and/or organic geochemical processes; 2) the role of life in the transformation and evolution of Earth's geochemical cycles; 3) surficial chemical and biogeochemical systems and cycles, including their modification through environmental change and human activities; 4) low-temperature aqueous geochemical processes; 5) mineralogy and chemistry of earth materials; 6) geomicrobiology and biomineralization processes; and 7) medical mineralogy and geochemistry.

[National Facilities Program \(PD-05-1743\)](#) - *Applications Accepted on a Continuous Basis*
The National Science Foundation National Facilities Program supports the operation of national user facilities: National Facilities are research facilities with specialized instrumentation available to the scientific research community in general and the materials research community in particular. These facilities provide unique research capabilities that can be located at only a few highly specialized laboratories in the Nation. They provide open user service for scientists and engineers from a broad range of disciplines including biology, chemistry, geosciences, materials research and physics.

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NUCLEAR

[FY2017 Consolidated Innovative Nuclear Research Funding Opportunity Announcement](#) - *Applications due February 15, 2017*

The Department of Energy's (DOE) Office of Nuclear Energy (NE) conducts crosscutting nuclear energy research and development (R&D) and associated infrastructure support activities to develop innovative technologies that offer the promise of dramatically improved performance for advanced reactors and fuel cycle concepts while maximizing the impact of DOE resources.

[NEUP Fellowship and Scholarship Support Grant](#)- *Applications due January 31, 2021*
This program supports education and training for future nuclear scientists, engineers and policy-makers who are attending U.S. universities and colleges in nuclear-related graduate, undergraduate and two-year study programs. These are zero-dollar awards that will be funded as students apply through the Department of Energy, Office of Nuclear Energy.

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SMALL BUSINESS INNOVATION RESEARCH (SBIR)/SMALL BUSINESS TECHNOLOGY TRANSFER (STTR)

If you are interested in SBIR/STTR opportunities contact the Center for Technology Commercialization for further assistance at <http://www.wisconsinsbir.org/>.

****DUE SOON**** [Small Business Innovation Research \(SBIR\) & Small Business Technology Transfer \(STTR\): FY 2017 Phase II Release 1](#) - *Letters of Intent due November 14, 2016 , Applications due December 13, 2016*

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TECHNOLOGY

****DUE SOON**** [Request for Information \(RFI\): Understanding the Commercialization of Transformational Energy Technologies Through Private Capital](#) – Responses due December 2, 2016

The purpose of this RFI is to solicit feedback from the broader private sector community and other stakeholders on their actual experiences related to: 1) either investing or declining to invest private capital in an early-stage energy enterprise; 2) either succeeding or failing to obtain private capital as an early stage enterprise; and 3) how government grant based capital either assisted or hindered the process.

****NEW**DUE SOON**** [FY 2017 Joint Technology Transfer Initiative](#) – Applications due December 12, 2017

The National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) Office of Weather and Air Quality (OWAQ) is seeking research proposals to develop and test potential new weather technologies for possible transition into NWS operations through the Joint Technology Transfer Initiative (JTTI) Program. The scope of this FFO has two themes: improving convective scale predictions, and improving water prediction. In support of these two themes, this FFO focuses primarily in the following two areas of interest: (1) improving convective scale modeling capabilities, and (2) improving water prediction capabilities.

[Power Nitride Doping Innovation Offers Devices Enabling SWITCHES \(PNDIODES\)](#) – Applications due January 4, 2017

The PNDIODES (Power Nitride Doping Innovation Offers Devices Enabling SWITCHES) program seeks to fund transformational advances and mechanistic understanding in the process of selective area doping in the III-Nitride wide band gap (WBG) semiconductor material system and the demonstration of arbitrarily placed, reliable, contactable, and generally useable p-n junction regions that enable high-performance and reliable vertical power electronic semiconductor devices.

[Spectrum Efficiency, Energy Efficiency, and Security \(SpecEES\): Enabling Spectrum for All](#) – Applications due January 19, 2017

The National Science Foundation's Directorates for Engineering (ENG) and Computer and Information Science and Engineering (CISE) are coordinating efforts to identify bold new concepts to significantly improve the efficiency of radio spectrum utilization while addressing new challenges in energy efficiency and security, thus enabling spectrum access for all users and devices, and allowing traditionally underserved Americans to benefit from wireless-enabled goods and services. The SpecEES program solicitation (pronounced "SpecEase") seeks to fund innovative collaborative research that transcends the traditional boundaries of existing programs.

****NEW**** [FY 2017 Joint Technology Transfer Initiative](#) – Applications due February 9, 2017

The National Oceanic and Atmospheric Administration (NOAA) Office of Oceanic and Atmospheric Research (OAR) Office of Weather and Air Quality (OWAQ) is seeking research proposals to develop and test potential new weather technologies for possible transition into NWS operations through the Joint Technology Transfer Initiative (JTTI) Program. The scope of this FFO has two themes: improving convective scale predictions, and improving water prediction. In support of these two themes, this FFO focuses primarily in the following two areas of interest: (1) improving convective scale modeling capabilities, and (2) improving water prediction capabilities.

****NEW**** [SciDAC: Scientific Computation Application Partnerships in Earth System Science II - Pilot Projects](#) – Applications due March 15, 2017

This Biological and Environmental Research/Advanced Scientific Computing Research (BER-ASCR) Scientific Discovery Thru Advanced Computing (SciDAC) Partnership FOA will enable scientists to conduct complex scientific and engineering computations at a level of fidelity needed to simulate real-world climate conditions, by supporting deep, necessary, and productive collaborations between climate scientists on the one hand and applied mathematicians and computer scientists on the other, that overcome the barriers between these disciplines and consequently fully exploit the capabilities of Department of Energy (DOE) High Performance Computing (HPC) systems in order to accelerate advances in climate science.

[Innovative Development in Energy-Related Applied Science \(IDEAS\)](#) – Concept Papers due September 30, 2016; Applications due September 30, 2017

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This Funding Opportunity Announcement (FOA) provides a continuing opportunity for the rapid support of early-stage applied research to explore innovative new concepts with the potential for transformational and disruptive changes in energy technology. IDEAS awards are intended to be flexible and may take the form of analyses or exploratory research that provides the agency with information useful for the subsequent development of focused technology programs. IDEAS awards may also support proof-of-concept research to develop a unique technology concept, either in an area not currently supported by the agency or as a potential enhancement to an ongoing focused technology program. Applications must propose concepts that are not covered by open ARPA-E focused FOAs and that also do not represent incremental improvements over existing technology.

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WATER

****NEW**** [Marine and Hydrokinetic Technology Development and Advancement](#) – *Applications due January 9, 2017*

This Funding Opportunity Announcement will solicit applications that propose projects supporting marine and hydrokinetic research and development in two Topic Areas: Topic Area 1: "Wave Energy Converters System Advancement" seeks to design and build high energy capture wave energy converters and conduct scaled fully operational system testing in open water. Topic Area 2: "Open Topic – MHK Technology Development" seeks to develop innovative technologies that have the potential to significantly advance MHK technologies and the state of the MHK industry.

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SOLAR

****NEW**** [Solar Forecasting II Funding Opportunity Announcement](#) – *Applications due March 24, 2017*

The overarching goal of this FOA is to support the development of capabilities that will allow increased deployment of solar power generation at optimal cost. Better solar forecasting will allow the reduction of balancing, dispatch, and unit commitment costs associated with errors in the prediction of solar power generation. These costs scale with solar penetration, therefore it is important to keep them in check with advancements in the forecasting science, implementations of forecasting models with rapid execution, and seamless integration of forecasting tools in the electric system operations.

[Sunshot Catalyst Prize \(DE-FOA-0001126\)](#) - *Applications Accepted on a Continuous Basis*

The U.S. Department of Energy SunShot Catalyst is an open innovation program that allows the public to rapidly create and develop products and solutions that address near-term challenges in the U.S. solar marketplace through prize challenges.

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TRANSPORTATION

****NEW**DUE SOON**** [FASTLANE Grants](#)- *Applications due December 15, 2016*

The Fixing America's Surface Transportation Act (FAST Act) established the Nationally Significant Freight and Highway Projects (NSFHP) program to provide Federal financial assistance to projects of national or regional significance and authorized the program at \$4.5 billion for fiscal years (FY) 2016 through 2020, including \$850 million for FY 2017 to be awarded by the Secretary of Transportation. The Department will also refer to NSFHP grants as Fostering Advancements in Shipping and Transportation for the Long-term Achievement of National Efficiencies (FASTLANE) grants. This purpose of this opportunity is to solicit applications for FY 2017 grants for the FASTLANE program.

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****NEW**** [Solicitation for INVEST \(Infrastructure Voluntary Evaluation Sustainability Tool\) Implementation Projects](#) – *Letters of Interest due January 5, 2017*

The intent of this Federal Highway Administration research funding opportunity is to develop case studies and analyses showing sustainability improvements that transportation agencies can make through self-evaluation with INVEST and subsequent exploration and implementation of promising sustainability practices.

****NEW**** [State Damage Prevention \(SDP\) Program Grants – 2017](#) – *Applications due January 23, 2017*

The Pipeline and Hazardous Materials Safety Administration (PHMSA), through the U.S. Department of Transportation (DOT), hereby requests applications from eligible States (including municipalities with respect to intrastate gas pipeline transportation) to obtain funding for damage prevention program activities. Grants awarded in support of PHMSA's State Damage Prevention (SDP) grant program are intended for States to establish or improve the overall quality and effectiveness of their State Damage Prevention programs, which are designed to protect underground pipeline facilities from excavation damage.

[Transportation Infrastructure Finance and Innovation Act \(TIFIA\) Program](#) – *Applications Accepted on a Continuous Basis*

The U.S. Department of Transportation – Federal Highway Administration provides federal credit assistance in the form of direct loans, loan guarantees, and standby lines of credit to finance surface transportation projects of national and regional significance. Many surface transportation projects - highway, transit, railroad, intermodal freight, and port access - are eligible for assistance.

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TRIBAL

[EONS 2016: Appendix E Earth System, Technology, and Energy Education for MUREP \(ESTEEM\) \(Minority University Research and Education Project\) for Tribal Colleges and Universities \(TCU\) NASA ESTEEM – TCU](#) – *Applications due Jan 10, 2017*

Through this solicitation, NASA is strengthening involvement with higher education institutions to ensure that NASA can meet future workforce needs in STEM fields. The goal of the ESTEEM – TCU activity is to use NASA's unique contributions, through collaboration with tribal institutions, to improve the quality of the Nation's STEM (Science, Technology, Engineering and Mathematics) education in Earth system science (ESS), Climate Resiliency and culturally relevant, place-based educational practices.

****NEW**** [Deployment of Energy Efficiency and Clean Energy on Indian Lands - 2017](#) – *Applications due February 7, 2017*

Department of Energy's Office of Indian Energy is soliciting applications from Indian Tribes (including Alaska Native Regional Corporations and Village Corporations) and Tribal Energy Resource Development Organizations to: (1) Install energy efficiency measures and clean energy systems on tribal buildings (Topic Area 1) through: a. Deep energy retrofits (Topic Area 1.a.), or b. Energy efficiency measures and clean energy systems (Topic Area 1.b.), and/or, (2) Deploy clean energy systems on a community-scale (Topic Area 2).

[Notice of Intent: Cities Leading through Energy Analysis and Planning \(Cities-LEAP\)](#)

The Office of Energy Efficiency and Renewable Energy (EERE) intends to issue, on behalf of the Strategic Programs Office, a Funding Opportunity Announcement (FOA) entitled "Cities Leading through Energy Analysis and Planning (Cities-LEAP)". As part of the Cities-LEAP project, EERE's Office of Strategic Programs, through its Policy and Analysis and Technology-to-Market Teams, intends to solicit applications to advance data-driven decision-making by local governments in support of their climate and energy goals. This anticipated funding opportunity is intended for local and tribal governments as prime applicants and strongly encourages partnerships between local and tribal governments and entities such as academic institutions, technology companies, utilities, regional planning bodies, and non-governmental organizations to develop and pilot data-driven decision frameworks that strengthen the analytical underpinning of energy-impacting actions by local governments across the United States.

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****NEW**** [Notice of Intent to Issue Funding Opportunity Announcement entitled FY 2017 Vehicle Technologies Deployment Funding Opportunity Announcement](#)

The purpose of this Notice of Intent is to provide potential applicants advance notice that the Department of Energy, Office of Energy Efficiency and Renewable Energy intends to issue, on behalf of the Vehicle Technologies Office, a Funding Opportunity Announcement, number DE-FOA-0001639 entitled "FY 2017 Vehicle Technologies Deployment Funding Opportunity Announcement".

****NEW**** [Notice of Intent to Issue Funding Opportunity Announcement entitled FY17 Vehicle Technologies Program Wide Funding Opportunity Announcement](#)

The purpose of this Notice of Intent is to provide potential applicants advance notice that the Department of Energy, Office of Energy Efficiency and Renewable Energy intends to issue, on behalf of the Vehicle Technologies Office, a Funding Opportunity Announcement, number DE-FOA-0001629 entitled "FY 2017 Vehicle Technologies Program Wide Funding Opportunity Announcement".

[100% Reimbursable Funding for School Bus Auxiliary Heaters, Indiana](#) – *Limited Funding, No deadline*

100% reimbursable funding is now available through South Shore Clean Cities for installation for direct fire heaters on diesel school buses. This grant money is available through the Northwestern Indiana Regional Planning Commission to place auxiliary bus heaters on school buses.

[Notice of Intent: FY 2016 Vehicle Technologies Program \(DE-FOA-0001462\)](#)

The U.S. Department of Energy Vehicle Technologies Office supports a broad technology portfolio aimed at developing and deploying cutting-edge advanced highway transportation technologies that reduce petroleum consumption and greenhouse gas emissions, while meeting or exceeding vehicle performance and cost expectations. Research, development, and deployment efforts are focused on reducing the cost and improving the performance of a mix of near- and long-term vehicle technologies including advanced batteries, power electronics and electric motors, lightweight and propulsion materials, advanced combustion engines, advanced fuels and lubricants, and other enabling technologies.

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WATER

****DUE SOON**** [Bureau of Energy Management FY 2017 Alaska Coastal Marine Institute](#) – *Applications due November 30, 2016*

The Environmental Studies Program of the Bureau of Ocean Energy Management (BOEM) is offering a cooperative agreement opportunity through the University of Alaska Coastal Marine Institute (CMI) to units within the University of Alaska system that have the ability to conduct research in topics that serve the public interest of safe and environmentally sound energy production and meet the goals of the BOEM.

****DUE SOON**** [RFI - HydroNEXT: Challenges and Opportunities for Sustainable Development of Hydropower in Undeveloped Stream Reaches of the United States](#) – *Responses due December 15, 2016*

The purpose of this RFI is to solicit feedback from industry, academia, research laboratories, government agencies, and other stakeholders on issues related to development of hydropower in new stream-reaches. EERE is specifically interested in information on the costs/benefits and environmental impacts associated with such development, and possible solutions to address the related challenges. EERE is seeking input on the focus and structure of a potential funding opportunity to support research and development of advanced and/or non-traditional transformative hydropower technologies and project designs capable of avoiding or minimizing adverse environmental and social impacts for new cost-competitive hydropower development in undeveloped stream-reaches of the United States.

****DUE SOON**** [WaterSMART: Title XVI Water Reclamation and Reuse Program Funding for Fiscal Year \(FY\) 2017](#) - *Applications due December 15, 2016*

Under Title XVI of Public Law 102-575 (Title XVI), Reclamation works to identify and investigate opportunities to reclaim and reuse wastewater and naturally impaired ground and surface water in the 17 Western States and Hawaii. Title XVI also

ENERGY FUNDING OPPORTUNITIES

provides authority for Reclamation to provide up to the lesser of 25 percent of, or the Federal appropriations ceiling (typically \$20 million), for the cost of planning, designing, and constructing specific water recycling projects. The objective of this Funding Opportunity Announcement (FOA) is to invite sponsors of congressionally authorized Title XVI Projects to request cost-shared funding for the planning, design, and/or construction of those authorized projects.

[Freshwater Harmful Algal Blooms](#) – *Applications due January 4, 2017*

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking regular and early career applications proposing innovative research on the prediction, prevention, control and mitigation of freshwater Harmful Algal Blooms (HABs) as well as the drivers, life cycle patterns, and fate of and effects from less-common, less-studied, and emerging freshwater HAB species and toxins.

****NEW**** [WaterSMART Grants: Water and Energy Efficiency Grants for Fiscal Year 2017](#) – *Applications due January 18, 2017*

The objective of this Funding Opportunity Announcement is to invite states, Indian tribes, irrigation districts, water districts, and other organizations with water or power delivery authority to leverage their money and resources by cost sharing with Reclamation on projects that seek to conserve and use water more efficiently, increase the use of renewable energy and improve energy efficiency, benefit endangered and threatened species, otherwise support water sustainability benefits, or carry out other activities to address climate-related impacts on water or prevent any water-related crisis or conflict.

****NEW**** [Water Conservation Field Services Program](#) – *Applications due January 23, 2017*

The Bureau of Reclamation (Reclamation), Lower Colorado Region, is requesting proposals to fund activities in support of its Water Conservation Field Services Program (WCFSP) within the Lower Colorado Region (LCR). The LCR includes Southern Nevada, most of Arizona, Southern California, and Southwestern Utah. Please see the map below for areas covered under this Funding Opportunity Announcement (FOA.)

****NEW**** [WaterSMART Grants: Small-Scale Water Efficiency Projects for Fiscal Year 2017](#) – *Applications due April 27, 2017*

Small-Scale Water Efficiency Projects support small-scale water management projects (up to \$75,000 in Federal funding for each project) that have been identified through previous planning efforts. Reclamation has developed a streamlined selection and review process to reflect the small-scale nature of these projects.

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FEDERAL TAX INCENTIVES

[Clean Renewable Energy Bonds \(CREBS\)](#) – *Accepted on a Continuous Basis*

Clean renewable energy bonds (CREBs) may be used by certain entities -- primarily in the public sector -- to finance renewable energy projects. The list of qualifying technologies is generally the same as that used for the federal renewable energy production tax credit (PTC). CREBs may be issued by electric cooperatives, government entities (states, cities, counties, territories, Indian tribal governments or any political subdivision thereof), and by certain lenders. The bondholder receives federal tax credits in lieu of a portion of the traditional bond interest, resulting in a lower effective interest rate for the borrower.* The issuer remains responsible for repaying the principal on the bond.

[Carbon Dioxide Sequestration Credit](#) – *Claims Accepted on a Continuous Basis*

Persons or businesses can claim a credit allowed for qualified carbon dioxide that is captured and disposed of or captured, used, and disposed of by the taxpayer in secure geological storage. Only carbon dioxide captured and disposed of or used as a tertiary injectant within the United States or a U.S. possession is taken into account when figuring the credit.

****DUE SOON**** [Federal Alternative Fuel Excise Tax Credit](#)

A tax incentive is available for alternative fuel that is sold for use or used as a fuel to operate a motor vehicle. A tax credit in the amount of \$0.50 per gallon for 2015 and \$0.36 per gallon for 2016 is available for the following alternative fuels: compressed natural gas, liquefied natural gas, liquefied petroleum gas, P-Series fuel, liquid fuel derived from coal through the Fischer-Tropsch process. This incentive extended through December 31, 2016.

ENERGY FUNDING OPPORTUNITIES

****DUE SOON**** [Alternative Fuel Infrastructure Tax Credit](#)

Fueling equipment for natural gas, liquefied petroleum gas (propane), electricity, E85, or diesel fuel blends containing a minimum of 20% biodiesel installed through December 31, 2016, is eligible for a tax credit of 30% of the cost, not to exceed \$30,000.

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ADDITIONAL FEDERAL RESOURCES & DATABASES

[Guide to Federal Financing for Energy Efficiency and Clean Energy Deployment](#)

The U.S. Department of Energy provides a snapshot of federal resources that support such projects and companies and in turn create jobs, spur private investment and invigorate local communities.

[Grants.Gov](#)

Grants.gov is the single access point for programs offered by Federal agencies.

[FedConnect](#)

FedConnect helps over 100,000 vendors and grant applicants, find, respond to and win opportunities for contracts, grants, and other types of assistance funding.

[Funding Opportunity Exchange](#)

A tool created by the U.S. Department of Energy – Energy Efficiency and Renewable Energy program to create, review and manage grant submittals.

[Renewable Energy Request for Proposals](#) - *Proposal due Dates Vary*

The U.S. Department of Energy posts open solicitations for renewable energy generation, renewable energy certificates, and green power from public and private entities.

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PRIVATELY FUNDED OPPORTUNITIES

[Texas Natural Gas Foundation Grants](#) - *Proposal due Dates Vary*

The Texas Natural Gas Foundation (TXNG) is a 501(c)3 not-for-profit education foundation established to increase public awareness, support, and knowledge of the benefits of using Texas' natural gas. TXNG provides an overview of major funding opportunities for alternative fuel vehicles and equipment in Texas.

[CHS, Inc. Stewardship](#) - *Proposals accepted on a Continuous Basis*

CHS is committed to creating a strong future for rural America and giving back to communities with our time, talent and resources. The Stewardship program covers projects that include leadership development, safety commitment, community investment and environmental sustainability.

[Climate Trust](#) - *Proposals accepted on a Continuous Basis*

A nationally-recognized innovator, The Climate Trust simultaneously finances projects and programs in ten states, and develops climate policies and industry standards to accelerate greenhouse gas reductions in eight industrial sectors in the U.S. The Climate Trust also buys and sells carbon dioxide offsets.

[Energy Foundation Grants](#) - *Proposals accepted on a Continuous Basis*

The Energy Foundation awards grants according to initiatives in the electric power, buildings, transportation, and climate sectors

[Jessie Smith Noyes Foundation](#) - *Proposals accepted on a Continuous Basis*

The Jessie Smith Noyes Foundation supports grassroots organizations and movements in the United States working to change environmental, social, economic and political conditions to bring about a more just, equitable and sustainable world.

[The Joyce Foundation](#) - *Proposals accepted on a Continuous Basis*

The Joyce Foundation aims to protect and restore the health of the Great Lakes and regional waterways, as well as adopt energy efficient measures, is critical to the sustainability of the region

[McKnight Foundation- Midwest Climate and Energy](#) - *Closed Application Process, Invite Required*

The McKnight Foundations support the Midwest as an international model in addressing climate change by reducing heat-trapping emissions in all economic sectors. The program pursues an integrated approach, engaging the region's public and private leaders, decision makers, and communities while aiming to scale up Midwest successes to national and global levels.

[McKnight Foundation- Region and Communities](#) - *Quarterly Deadlines*

The McKnight Foundations aims to increase efficient and sustainable regional metropolitan development that creates livable communities and expands opportunities for all to thrive.

[Nathan Cummings Foundation](#) - *Letters of Inquiry Accepted on a Continuous Basis*

The Nathan Cummings Foundation supports projects that address climate change as a consequence of progress in human development and economic prosperity, and will fund promising work that helps activate American ingenuity in pursuit of three interrelated goals: increasing access to modern energy for the world's poor; stabilizing greenhouse gas concentrations in the atmosphere at a low level; and improving resilience for those most vulnerable to the negative consequences of climate variability and change.

[Oak Foundation](#) - *Letters of Inquiry Accepted on a Continuous Basis*

Oak Foundation commits its resources to address issues of global social and environmental concern, particularly those that have a major impact on the lives of the disadvantaged.

[Propane Education Research Council \(PERC\)](#) - *Applications accepted on a Continuous Basis*

- [Propane Energy Pod Builder Incentive](#) - Provides an incentive of up to \$1,500 to qualifying and selected builders who construct homes that follow PERC's Propane Energy Pod model.

ENERGY FUNDING OPPORTUNITIES

- [Propane Farm Incentive Program](#) - Designed to encourage agricultural producers to adopt new propane equipment on their farm, the Propane Farm Incentive Program (formerly the Propane FEED Program) provides a financial incentive to qualifying and selected farmers who purchase select pieces of equipment and agree to share their experience.
- [Propane Heat and Power Incentive Program](#) - This program provides financial incentives of up to \$10,000 toward the purchase and use of combined heat and power (CHP) systems and premium generator sets. In return, participants agree to share their experiences with the PERC.
- [Propane Mower Incentive Program](#) - Effective immediately, but for a limited time, landscape contractors can apply to receive \$1,000 toward the purchase of a new propane-powered mower, and \$500 toward a qualified conversion.
- Scholarships - Each year, the Wisconsin PERC grants four \$500 scholarships to children and employees of the propane industry. Applications are available online at www.wipga.org or via email at courtney@wipga.org. Applications must be postmarked no later than April 15, 2016.
- ****DUE SOON**** [Regulator Replacement Rebate Program](#) - The purpose of the Wisconsin Propane Education and Research Council's (WiPERC) 2016 Wisconsin Regulator Replacement Rebate Program is to encourage the replacement of regulators that are 15 years or older or are a single stage regulator. The propane marketer may receive a rebate in the sum of \$30.00 per replaced regulator. Program ends December 31, 2016 (or until funds are depleted).

[Rockefeller Brothers Fund](#) – *Letters of Inquiry Accepted on a Continuous Basis*

The Rockefeller Brothers Fund advances social change that contributes to a more just, sustainable, and peaceful world.

[Surdna Foundation – Sustainable Environment Program](#) – *Letters of Inquiry Accepted on a Continuous Basis*

The Surdna Foundation - Sustainable Environments Program is working to overhaul our country's outdated and crumbling infrastructure with a new approach that will foster healthier, sustainable, and just communities by improving transit systems, making buildings more energy efficient, better managing water systems and rebuild regional food systems.

[TransitCenter Dispatch Grants](#) – *Applications accepted on a continual basis*

Dispatch Grants are a new funding resource for strategic, time-sensitive project work and organizational capacity building. Qualified recipients are non-governmental, non-profit civic organizations with 501c3 status whose primary activities include advocacy and education on urban transportation issues.

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INTERNATIONAL OPPORTUNITIES

****NEW**** [U.S.-Japan Science and Technology Cooperation Program in High Energy Physics](#) – *Applications due January 15, 2017*

The purpose of this FOA is to support U.S. investigators in bilateral cooperative research activities as part of the U.S.-Japan Science and Technology Cooperation Program in High Energy Physics. This FOA solicits proposals with scopes of work in high energy physics (HEP) that involve substantial collaboration with Japanese investigators.