

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

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.

STATE GRANT AND LOAN PROGRAMS

****NEW-DUE SOON**** [School Bus Funding Opportunity](#) - *Applications due January 22, 2016*

The Department of Natural Resources seeks applications, on behalf of a private funder, to support the purchase of one new school bus certified with model year 2013 or newer engine and equipped with particulate filter or, if powered by compressed natural gas, equipped with a catalyst for a fleet in southeastern Wisconsin – Milwaukee County, Waukesha County, Ozaukee County or Racine County.

[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*

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.

CLEAN ENERGY FUNDING OPPORTUNITIES

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.

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.

UTILITY PROGRAMS

[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.

CLEAN ENERGY FUNDING OPPORTUNITIES

[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.

****NEW**** [WPPI Energy – Renewable Energy Grants for Non-Profits](#) – Applications due June 1, 2016

WPPI Energy will provide grants of up to \$100,000 to non-profit organizations for selected renewable energy projects that help lower energy costs and promote a commitment to the environment. The program is open to customer-sited renewable projects interconnected to the distribution systems of [member utilities](#).

[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

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

[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.

CLEAN ENERGY FUNDING OPPORTUNITIES

[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.

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.

[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.

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.

ENERGY FUNDING OPPORTUNITIES

[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.

FEDERAL OPPORTUNITIES

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

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.

BIOMASS

[Notice of Intent: Advancements in Algal Biomass Yield, Phase 2 \(ABY, Phase 2\) \(DE-FOA-0001471\)](#)

The U.S. Department of Energy aims to support projects developing technologies that are likely to succeed in producing 3,700 gallons of algal biofuel intermediate (or equivalent dry weight basis) per acre per year (gal/acre/yr) on an annualized average basis (not peak or projected) through multiple batch campaigns or on a semi-continuous or continuous basis, in an outdoor test environment by 2020. Applicants must address one comprehensive topic area with three main priority areas. These priority areas are: 1) strain/productivity improvement; 2) improvements in pre-processing technologies (harvesting, dewatering, and extraction and/or equivalent processes); and 3) integration of cultivation with pre-processing technologies.

****DUE SOON**** [2016 Wood Innovations Funding Opportunity](#) – *Applications due January 13, 2016*

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. The grants and cooperative agreements awarded under this announcement will support the nationwide challenge of disposing of hazardous fuels and other wood residues from the National Forest System and other forest lands in a manner that supports wood energy and wood products markets.

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.

BUILDINGS

****DUE SOON**** [Buildings Energy Efficiency Frontiers & Innovation Technologies \(BENEFIT\) \(DE-FOA-0001383\)](#) – *Concept Paper due January 29, 2016*

The U.S. Department of Energy's (DOE) Office of Energy Efficiency and Renewable Energy (EERE), on behalf of the Buildings Technologies Office (BTO) aims to combine early-stage topics (Innovations) with later-stage, roadmap-driven topics (Frontiers) that complement the core funding provided by the program. Because of their different focuses (Innovations: early-stage; Frontier: later-stage, roadmap-driven), this opportunity is divided into two sections; an Innovations and a Frontiers section with an additional optional Buildings University Innovators and Leaders Development (BUILD) supplement. Applications for a BUILD Supplement cannot be submitted as standalone applications. INNOVATIONS section: Topic 1: Open Topic for Energy Efficiency Solutions for Residential and Commercial Buildings Topic 2: Human-in-the-Loop Sensor & Control Systems Topic 3: Infiltration Diagnostic Technologies FRONTIERS section: Topic 4: Plug and Play Sensor Systems Topic 5: Advanced Air-Sealing Technologies for Existing Buildings.

ENERGY FUNDING OPPORTUNITIES

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.

ECONOMIC DEVELOPMENT /JOB CREATION /WORKFORCE DEVELOPMENT

[Development Innovation Ventures \(APS-OAA-15-000006\)](#) – *Applications due November 1, 2016*

The U.S. Agency for International Development - Development Innovation Ventures (DIV) program supports the piloting and rigorous testing of innovative approaches to solving international development problems and supports transitioning innovations with evidence of impact and cost effectiveness to scale. DIV's aim is to create a portfolio of innovations that improves lives for millions of the poor around the world, especially individuals in poverty or extreme poverty, and other vulnerable groups.

[FY 2016 – FY 2019 Economic Development Assistance Planning Program and Local Technical Assistance Program \(EDA-HDO-TA-HDO-2016-2004759\)](#) - *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 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.

ENVIRONMENT /CLIMATE CHANGE

****NEW**** [FY2016 to FY2017 NOAA Broad Agency Announcement \(NOAA-NFA-NFAPO-2016-2004791\)](#) – *Applications accepted through September 30, 2015*

The U.S. Department of Commerce National Oceanic and Atmospheric Administration (NOAA) As an agency with responsibilities for maintaining and improving the viability of marine and coastal ecosystems, for delivering valuable weather, climate, and water information and services, for understanding the science and consequences of climate change, and for supporting the global commerce and transportation. This Broad Agency Announcement seeks extramural research, innovative projects, and sponsorships (e.g., conferences, newsletters, etc.) that address one or more of the following four mission goal descriptions contained in the NOAA Strategic Plan: Climate Adaptation and Mitigation, Weather-Ready Nation, Healthy Oceans, Resilient Coastal Communities and Economies.

****DUE SOON**** [Air Quality Research and Forecasting \(NOAA-OAR-OWAQ-2016-20047170\)](#) – *Applications due January 19, 2016*

The U.S. Department of Commerce through the U.S. Weather Research Program (USWRP), OAR's Office of Weather and Air Quality (OWAQ) is soliciting proposals to conduct air quality research and development activities related to advancing air quality forecasting that will improve NOAA's operational predictions of ozone and PM2.5 in particular over the coming 5 to 10 years.

ENERGY FUNDING OPPORTUNITIES

[Climate Change Adaption - Tribal Liaison \(BIA-CLIMATE-16-0001\)](#) – Applications due February 12, 2016

The U.S Department of Interior solicits cooperative agreement/co-operative agreement proposals from tribal non-profit, non-governmental organizations, tribally controlled colleges or universities serving management fields impacted by climate change to enter into a cooperative agreement for the identification and hiring of tribal climate science liaisons to address tribal climate change science needs.

[Environmental Justice Collaborative Problem Solving \(EJCPS\) Cooperative Agreement \(EPA-OECA-OEJ-16-01\)](#) - Applications due February 12, 2016

The U.S Environmental Protection Agency - Environmental Justice Collaborative Problem-Solving (EJCPS) Cooperative Agreement Program provides funding for eligible applicants for projects which demonstrate the use of the Environmental Justice Collaborative Problem Solving Model. The purpose of the EJCSPS program is to support community-based organizations to collaborate and partner with other stakeholders (e.g., industry, government, academia, etc.) as they develop and implement solutions that address environment and/or public health issue(s) at the local level.

[Biotechnology Risk Assessment Grants Program](#) – Applications due April 15, 2016

The U.S. Department of Agriculture aims to support the generation of new information that will assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms (GE), including plants, microorganisms (including fungi, bacteria, and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant.

ENERGY EFFICIENCY/CONSERVATION

[Notice of Intent for State Energy Program 2016 Competitive Awards \(DE-FOA-0001468\)](#)

The U.S. Department of Energy (DOE) supports the mission of the State Energy Program (SEP) by providing leadership to maximize the benefits of energy efficiency and renewable energy through technology deployment, communications and outreach activities, and access to new partnerships and resources. Through SEP, DOE provides formula and competitive funding assistance to States. States use formula awards to address their energy priorities through programs and policies that accelerate adoption of emerging energy efficiency and renewable energy technologies. DOE provides competitive awards to support policy and project developments that are highly leveraged and sustainable. DOE seeks to fund projects in three Areas of Interest (AOI): 1) State Energy Planning; 2) Opportunities for Innovative Energy Efficiency and Renewable Energy Practices; and 3) Technical Assistance to Advance SEP Formula Grant Clean Energy Activities. It is anticipated that DOE will award up to \$5.0 million in total funding in the FOA, subject to FY2016 Congressional appropriations.

****NEW-DUE SOON**** [Technical Assistance for Remote Alaska Communities Energy Efficiency Competition \(DE-FOA-0001479\)](#)

– Concept Paper due January 26, 2016

The U.S. Department of Energy's (DOE) Remote Alaskan Communities Energy Efficiency Competition (RACEE Competition), announced by President Obama. The RACEE Competition will empower Alaskan communities and native Alaskan villages to develop effective tools to advance the use of reliable, affordable, and energy efficient solutions that are replicable throughout Alaska and other Arctic regions. This NOTA is intended to implement the first two phases of the RACEE Competition: Phase 1 will designate qualified Alaskan communities that pledge to reduce energy use as "Community Efficiency Champions". These "Champions" will gain access to a peer network and become qualified to apply for Phase 2, which will provide Technical Assistance to selected Community Efficiency Champions.

[Energy Audit and Renewable Energy Development Assistance Program Grant \(RDBCP-REAP-EA-REDA-2016\)](#) – Applications due February 1, 2016

The U.S. Department of Agriculture supports grantees that assist rural small businesses and agricultural producers by conducting and promoting energy audits, and providing renewable energy development assistance (REDA).

[Request for Information: Energy Savings Prediction Methods for Residential Energy Efficiency Upgrades \(DE-FOA-0001472\)](#) - Responses due February 21, 2016

The U.S. Department of Energy (DOE), Energy Efficiency and Renewable Energy (EERE), Building Technologies Office (BTO) is seeking information from the public regarding methods to improve methodologies used to assess the energy savings resulting from energy efficiency upgrades. In particular, BTO is interested in the current state-of-the-art of savings prediction methods, forthcoming advances that could improve the accuracy and/or reduce the costs of prediction methods, and the potential market implications of improved savings prediction methods. At the same time, BTO is interested in the role of user-training, contractor certification, better in-field practices, and other factors to improve the accuracy of energy saving calculations.

ENERGY FUNDING OPPORTUNITIES

[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

[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.

[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.

FUEL CELL/HYDROGEN

****DUE SOON**** [Hydrogen and Fuel Cell Technologies Research, Development, and Demonstration \(DE-FOA-0001412\)](#)

Area of Interest 1, 2 & 3: Concept Paper due January 15, 2016

Area of Interest 4: Applications due January 22, 2016

The U.S. Department of Energy aims to provide clean, safe, secure, affordable, and reliable energy from diverse domestic resources, providing the benefits of increased energy security and reduced criteria pollutants and green-house gas emissions by adopting a technology-neutral approach towards applied research, development, and demonstration to address both key technical challenges for fuel cells and hydrogen fuels (i.e. hydrogen production, delivery and storage) and institutional barriers such as hydrogen codes and standards. This opportunity covers 4 Areas of Interest (AOI): AOI 1: Research and development (R&D) for hydrogen fuel technologies AOI 2: Demonstration and deployment for manufacturing technologies and Climate Action Champions AOI 3: R&D within Consortia for fuel cell performance and durability and hydrogen storage materials AOI 4: Cost and performance analyses for hydrogen production and delivery, hydrogen storage, and fuel cells.

[H2 Refuel H-Prize Competition for Small-Scale Hydrogen Refueling Systems](#) – Competition ends October 31, 2016

The U.S. Department of Energy Department challenges America's engineers and entrepreneurs to develop affordable systems for small-scale, non-commercial hydrogen fueling. The H2 Refuel H-Prize anticipates award of a \$1 million prize to the top refueler system entry that can produce hydrogen using electricity and/or natural gas, energy sources commonly available to residential locations, and dispense the hydrogen to a vehicle, providing at least 1 kg per refueling.

RENEWABLE ENERGY

****DUE SOON**** [Request for Information - Assistance in Target Setting and Strategic Planning for Renewable Energy Deployment at the State and Regional Level \(DE-FOA-0001464\)](#) – Responses due January 13, 2016

The U.S. Department of Energy request for information to assess the level of interest among state and regional-level entities—including governmental, industrial, and academic organizations—in including renewable energy deployment into their energy strategies and in identifying specific challenge areas to address. For purposes of this RFI, renewable energy includes solar, wind, hydropower, and geothermal technologies. Renewable energy targets and strategic plans have been set at the state level for many years, sometimes including technology-specific plans and programs. As Renewable Portfolio Standards sunset in many states and as compliance requirements are launched for greenhouse gas reduction, states may wish either to establish or re-evaluate targets for renewable electricity deployment and/or consider the most beneficial paths for achieving those goals.

RESEARCH

Agriculture

[Climate Smart Agriculture \(BAA-OAA-BFS-2015\)](#) – Applications due March 16, 2016

The U.S. Agency for International Development seeks opportunities to co-create, co-design, co-invest, and collaborate in the research, development, piloting, testing, and scaling of innovative, practical and cost-effective activities in the general area of Climate Smart Agriculture (CSA).

ENERGY FUNDING OPPORTUNITIES

Aviation

[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.

Bioenergy/Biofuels

[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.

****DUE SOON**** [Department of Energy - Office of Science Office of Science Plant Feedstock Genomics for Bioenergy: A Joint Research Grant \(DE-FOA-0001444\)](#) - Applications due February 2, 2016

The U.S. Department of Energy's Office of Science, Office of Biological and Environmental Research (OBER), 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 biomass and plant feedstocks for the production of fuels such as ethanol or renewable chemical feedstocks. Applications are sought for research on candidate bioenergy plants with improved resistance/tolerance to disease and disease complexes. Research to overcome these biological barriers to the low-cost, high-quality, scalable and sustainable production of bioenergy feedstocks using the tools of genetics and genomics are encouraged.

Earth, Environment and Climate

****DUE SOON**** [Atmospheric System Research Program – New Data Products \(DE-FOA-0001431\)](#) - Applications due January 13, 2016

The U.S. Department of Energy - Atmospheric System Research Program conducts research to: determine the properties of, and interactions among, aerosols, clouds, precipitation, and radiation that are most critical to understand in order to improve their representation in climate models; ascertain the roles of atmospheric dynamics, thermodynamic structure, radiation, surface properties, and chemical and microphysical processes in the life cycles of aerosols and clouds, and develop and evaluate models of these processes; and identify and quantify processes along the aerosol-cloud-precipitation continuum that affect the radiative fluxes at the surface and throughout the atmosphere and the radiative and latent heating rate profiles, and improve the ability to accurately model these processes.

****DUE SOON**** [Atmospheric System Research Program \(DE-FOA-0001430\)](#) - Applications due January 20, 2016

The U.S. Department of Energy - Atmospheric System Research Program conducts research to: determine the properties of, and interactions among, aerosols, clouds, precipitation, and radiation that are most critical to understand in order to improve their representation in climate models; ascertain the roles of atmospheric dynamics, thermodynamic structure, radiation, surface properties, and chemical and microphysical processes in the life cycles of aerosols and clouds, and develop and evaluate models of these processes; and identify and quantify processes along the aerosol-cloud-precipitation continuum that affect the radiative fluxes at the surface and throughout the atmosphere and the radiative and latent heating rate profiles, and improve the ability to accurately model these processes

****DUE SOON**** [Environmental System Science \(DE-FOA-0001437\)](#) - Applications due January 22, 2016

The U.S. Department of Energy aims to advance a robust predictive understanding of terrestrial environments, extending from bedrock to the top of the vegetated canopy and from molecular to global scales in support of DOE's energy and environmental missions. Using an iterative approach to model-driven experimentation and observation, interdisciplinary teams of scientists work to unravel the coupled physical, chemical and biological processes that control the structure and functioning of terrestrial ecosystems across vast spatial and temporal scales.

ENERGY FUNDING OPPORTUNITIES

[Earth System Modeling \(DE-FOA-0001482\)](#) – Applications due March 14, 2016

The U.S. Department of Energy (DOE), supports research to develop and exercise innovative methods of representing and coupling components of the Earth's climate system, in order to provide a predictive capability to underpin the Nation's societal and energy planning. Innovative methods span a variety of topics, e.g., the development of increasingly complex representations of climate systems, coupling these with "human" systems and drivers as needed to improve climate simulation fidelity, and the application of next-generation computational methods to facilitate and to accelerate model computational performance on DOE's current and next-generation NERSC and Leadership Class Facility (LCF) computers.

[Systems Biology Enabled Research on the Roles of Microbial Communities in Carbon Cycle Processes \(DE-FOA-0001458\)](#) – Applications due March 23, 2016

The U.S. Department of Energy - Office of Biological and Environmental Research (BER) of the Office of Science (SC), seeks applications for research that supports the Genomic Science research program, specifically for: i.) systems biology studies on regulatory and metabolic networks of microbes, microbial consortia, and microbe-plant interactions involved in biogeochemical cycling of carbon, ii.) development and application of -omics approaches to investigate microbial community functional processes involved in carbon cycling in terrestrial ecosystems.

[Long Term Research in Environmental Biology Grant \(NSF 16-500\)](#) – Applications due August 2, 2016

The National Science Foundation 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.

****NEW**** [FY2016 to FY2017 NOAA Broad Agency Announcement \(NOAA-NFA-NFAPO-2016-2004791\)](#) – Applications accepted through September 30, 2015

The U.S. Department of Commerce National Oceanic and Atmospheric Administration (NOAA) As an agency with responsibilities for maintaining and improving the viability of marine and coastal ecosystems, for delivering valuable weather, climate, and water information and services, for understanding the science and consequences of climate change, and for supporting the global commerce and transportation. This Broad Agency Announcement seeks extramural research, innovative projects, and sponsorships (e.g., conferences, newsletters, etc.) that address one or more of the following four mission goal descriptions contained in the NOAA Strategic Plan: Climate Adaptation and Mitigation, Weather-Ready Nation, Healthy Oceans, Resilient Coastal Communities and Economies.

[Outstanding New Environmental Scientist \(ONES\) Award \(RFA-ES-15-020\)](#) - February 27, 2018

The Outstanding New Environmental Scientist (ONES) Award is intended to identify the most talented Early Stage Investigators (ESIs) who intend to make a long-term commitment to research in the Environmental Health Sciences and assist them in launching an innovative research program focused on the understanding of environmental exposure effects on people's health.

[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.

ENERGY FUNDING OPPORTUNITIES

[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.

Energy Efficiency

****NEW**** [Energy-Efficient Computing: from Devices to Architectures \(NSF 16-526\)](#) – *Applications due March 28, 2016*

The National Science Foundation (NSF) and the Semiconductor Research Corporation (SRC) recognize this need, and agree to embark on a new collaborative research program to support compelling research that is of paramount importance to industry, academia and society at large. This partnership will specifically support new research to minimize the energy impacts of processing, storing, and moving data within future computing systems, and will be synergistic with other research activities that address other aspects of this overarching energy-constrained computing performance challenge.

Hydrogen/Fuel Cell

****DUE SOON**** [Hydrogen and Fuel Cell Technologies Research, Development, and Demonstration \(DE-FOA-0001412\)](#)

Area of Interest 1, 2 & 3: Concept Paper due January 15, 2016

Area of Interest 4: Applications due January 22, 2016

The U.S. Department of Energy aims to provide clean, safe, secure, affordable, and reliable energy from diverse domestic resources, providing the benefits of increased energy security and reduced criteria pollutants and greenhouse gas emissions by adopting a technology-neutral approach towards applied research, development, and demonstration to address both key technical challenges for fuel cells and hydrogen fuels (i.e. hydrogen production, delivery and storage) and institutional barriers such as hydrogen codes and standards.

Manufacturing

[Manufacturing Machines and Equipment \(PD-16-1468\)](#) – *Applications due February 16, 2016*

The National Science Foundation Manufacturing Machines and Equipment program supports fundamental research that enables the development of new and/or improved manufacturing machines and equipment, and optimization of their use, with a particular focus on equipment appropriate for the manufacture of mechanical and electromechanical devices, products, and systems featuring scales from microns to meters.

Multidisciplinary

[Novel Instrumental Techniques for Basic Energy Research: Electrochemistry and Quantum Materials \(DE-FOA-0001480\)](#) – *Applications due - April 4, 2016*

The Office of Basic Energy Sciences (BES), U.S. Department of Energy (DOE), announces its interest in receiving grant applications for support of research to develop new instrumental techniques in two priority areas: (A) electrochemical systems to advance basic scientific understanding of chemical transformations and energy flow in systems relevant to DOE missions; and (B) novel, small scale instrumentation to investigate some of the outstanding scientific questions in quantum materials research.

ENERGY FUNDING OPPORTUNITIES

[Continuation of Solicitation for the Office of Science Financial Assistance Program \(DE-FOA-0001414\)](#) - Applications accepted on a continuous basis until September 30, 2016

The U.S. Department of Energy Office of Science aims to support:

- The frontiers of science—discovering nature’s mysteries from the study of subatomic particles, atoms, and molecules that are the building blocks of the materials of our everyday world to the DNA, proteins, and cells that are the building blocks of entire biological systems;
- The 21st Century tools of science—providing the Nation’s researchers with 26 state-of-the-art national scientific user facilities, the most advanced tools of modern science, enabling the U.S. to remain at the forefront of science, technology, and innovation; and,
- Science for energy and the environment—advancing a clean energy agenda through fundamental research on energy production, conversion, storage, transmission, and use and through advancing our understanding of the earth and its climate; targeted investments include the three DOE Bioenergy Research Centers (BRCs), the Energy Frontier Research Centers (EFRCs), two Energy Innovation Hubs, and atmospheric process and climate modeling research.

[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.

Nuclear

[U.S. Nuclear Regulatory Commission - Scholarship and Fellowship Education Grant, Faculty Development Grant, and Trade School and Community College Scholarship Grant \(NRC-HQ-84-16-FOA-0001\)](#) - Applications due February 1, 2016

The U.S. Nuclear Regulatory Commission aims to support scholarships, fellowships, faculty development and trade school and community college scholarships for nuclear science, engineering, technology and related disciplines to develop a workforce capable of supporting the design, construction, operation, and regulation of nuclear facilities and the safe handling of nuclear materials.

[FY2016 Consolidated Innovative Nuclear Research \(DE-FOA-0001281\)](#) - Applications due February 18, 2016

The Department of Energy’s - 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. NE strives to promote integrated and collaborative research conducted by national laboratory, university, industry, and international partners under the direction of NE’s programs. NE funds research activities through both competitive and direct mechanisms, as required to best meet the needs of NE.

ENERGY FUNDING OPPORTUNITIES

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.wisconsinbir.org/>.

U.S. Department of Agriculture (USDA) - Small Business Innovation Research Program Phase II FY2016 (USDA-NIFA-SBIR-005455) – Applications due February 25, 2016

All Phase II projects must have previously completed a successful USDA Phase I project before applying for a Phase II grant. Success rates for applicants have been 50-60% for Phase II. Projects dealing with agriculturally related manufacturing and alternative and renewable energy technologies are encouraged across all 2015 SBIR topic areas. USDA SBIR's flexible research areas ensure innovative projects consistent with USDA's vision of a healthy and productive nation in harmony with the land, air, and water. USDA SBIR has awarded over 2000 research and development projects since 1983, allowing hundreds of small businesses to explore their technological potential, and providing an incentive to profit from the commercialization of innovative ideas.

Technology

****NEW**** [***Notice of Intent: Synchrophasor Applications and Tools for Reliability, Market Efficiency, and Asset Management \(NOI#: DE-FOA-0001476, FOA#: DE-FOA-0001492\) – Applications due April 29, 2016***](#)

The U.S. Department of Energy's (DOE's) National Energy Technology Laboratory (NETL) intends to issue a Funding Opportunity Announcement (FOA) on behalf of the DOE Office of Electricity Delivery and Energy Reliability (OE) in the first quarter of calendar year 2016. It is expected that the FOA will result in new synchrophasor application projects that will 1) confer reliability and economic benefits to the grid and market participants, respectively; and 2) develop new approaches for treating risk and uncertainty in power system planning and operations in the United States, and university-affiliated research institutions with accredited graduate and undergraduate programs.

****NEW**** [***Notice of Intent: Synchrophasor Applications and Tools for Managing Risk and Uncertainty \(NOI#:DE-FOA-0001477, FOA#: DE-FOA-0001493\) – Applications due July 1, 2016***](#)

The U.S. Department of Energy's (DOE's) National Energy Technology Laboratory (NETL) intends to issue a Funding Opportunity Announcement (FOA) on behalf of the DOE Office of Electricity Delivery and Energy Reliability (OE) in the first quarter of calendar year 2016. The FOA is expected to result in new synchrophasor application projects that is expected to 1) use synchrophasor measurements to improve market efficiency and asset management; and 2) develop new tools for addressing risk and uncertainty. DOE intends to pursue a restricted eligibility determination for U.S. colleges, universities, and university-affiliated research institutions with accredited graduate and undergraduate programs.

Notice of Intent - Pre-Project Planning for Advanced Combustion Pilot Plants (DE-FOA-0001459)

The U.S. Department of Energy's (DOE) Advanced Combustion Systems (ACS) Program is developing efficient and economically-attractive combustion systems that generate electricity with near-zero emissions including CO₂. Central to the program are systems based on oxy-combustion, whereby fuel is combusted with oxygen to form a concentrated stream of CO₂ enabling efficient and effective carbon capture. DOE's Clean Coal Research Program (CCRP) has established the following objectives for technology development and cost of electricity (COE) reduction for coal-based power generations systems with 90% carbon capture and storage:

- Complete research and development on near-term, 2nd Generation technologies such that they are ready for demonstration in the 2020-2025 timeframe. These technologies will achieve a COE reduction equal to approximately 20% of a baseline coal-based power plant with 90% carbon capture.
- Complete the development and scale up of Transformational technologies in the 2016-2030 timeframe with demonstration projects expected to be initiated in the 2030-2035 time period. These systems will achieve COE reductions exceeding the 20% anticipated by 2nd Generation technologies.

Innovative Development in Energy-Related Applied Science (IDEAS) (DE-FOA-0001428) – Applications due September 30, 2016

The US. Department of Energy 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.

ENERGY FUNDING OPPORTUNITIES

[New and Innovative Ideas for Technology Focused Areas of Interest](#) – Applications through October 19, 2016

The U.S. Army Business Interface Office is looking to identify and develop technologies for the purpose of generating future armament systems. This shall be accomplished via investigative efforts includes power, energy and environmental management sciences.

Vehicles

****NEW-DUE SOON**** [Request for Information - Energy Efficiency Optimization for Connected and Automated Vehicles \(DE-FOA-0001473\)](#) – Responses due February 1, 2016

The U.S. Department of Energy Advanced Research Projects Agency – Energy (ARPA-E) seeks input from researchers and developers in a broad range of disciplines including automotive vehicle control, powertrain control and transportation analytics regarding the development of advanced energy efficiency optimization technologies for future connected and automated vehicles (CAVs). ARPA-E is requesting information on new and emerging full vehicle and powertrain control technologies that can reduce the energy use associated with automotive transportation, beyond those technologies currently expected to be deployed in future vehicles. These additional energy efficiency optimization technologies may include, but are not limited to, advanced technologies and concepts relating to future full vehicle and powertrain control, individual vehicle and powertrain operation, control and optimization facilitated by connectivity, and the reduction of the fuel and/or energy consumed by future individual vehicles undergoing either human operation or automated operation.

Water

[Water Resources Research National Competitive Grants Program \(G16AS00016\)](#) - Applications due March 17, 2016

The U.S. Department of Interior in cooperation with the National Institutes for Water Resources requests proposals for matching grants to support research on the topic of improving and enhancing the nations water supply, including but not limited to enhancement of water supply infrastructure, development of drought impact indicators, evaluation of the dynamics of extreme hydrological events and associated costs, development of methods for better estimation of the physical and economic supply of water, integrated management of ground and surface waters, the resilience of public water supplies, and the evaluation of conservation practices.

****NEW**** [Innovations at the Nexus of Food, Energy and Water Systems \(INFEW\) Grant \(16-524\)](#) - Applications due March 22, 2016

The National Science Foundation (NSF) aims to catalyze the well-integrated interdisciplinary research efforts to transform scientific understanding of the food, energy, water, nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability. The NSF INFEWS initiative is designed specifically to attain the following goals: 1. Significantly advance our understanding of the food-energy-water system through quantitative and computational modeling, including support for relevant cyberinfrastructure; 2. Develop real-time, cyber-enabled interfaces that improve understanding of the behavior of FEW systems and increase decision support capability; 3. Enable research that will lead to innovative system and technological solutions to critical FEW problems; and 1 4. Grow the scientific workforce capable of studying and managing the FEW system, through education and other professional development opportunities.

SOLAR

[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.

TRANSPORTATION

****DUE SOON**** [Beyond Traffic: The Smart City Challenge \(DTFH6116RA00002\)](#) – Applications due February 4, 2016

The U.S. Department of Transportation (USDOT) is encouraging cities to put forward their best and most creative ideas for innovatively addressing the challenges they are facing. The vision of the Smart City Challenge is to demonstrate and evaluate a holistic, integrated approach to improving surface transportation performance within a city and integrating this approach with other smart city domains such as public safety, public services, and energy. The USDOT intends for this challenge to address how emerging transportation data, technologies, and applications can be integrated with existing systems in a city to address transportation challenges. The USDOT seeks bold and innovative ideas for proposed demonstrations to effectively test, evaluate, and demonstrate the significant benefits of smart city concepts.

ENERGY FUNDING OPPORTUNITIES

[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.

TRIBAL

[Climate Change Adaption - Tribal Liaison \(BIA-CLIMATE-16-0001\)](#) – *Applications due February 12, 2016*
The U.S. Department of Interior solicits cooperative agreement/co-operative agreement proposals from tribal non-profit, non-governmental organizations, tribally controlled colleges or universities serving management fields impacted by climate change to enter into a cooperative agreement for the identification and hiring of tribal climate science liaisons to address tribal climate change science needs.

VEHICLES

[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.

****DUE SOON**** [Request for Information: Co-Optimization of Fuels and Engines \(DE-FOA-0001460\)](#) – *Responses due January 8, 2016*

The U.S. Department of Energy (DOE), Office of Energy Efficiency and Renewable Energy's (EERE) Bioenergy Technologies Office (BETO) and Vehicle Technologies Office (VTO) are seeking stakeholder input on its Optima initiative, a DOE sponsored program focused on the development of new fuels and engine architectures that are co-optimized—designed in tandem to maximize performance and carbon efficiency. DOE is specifically interested in stakeholder input on 1) perspectives and interest in co-optimization of fuels and engines, 2) technical aspects of fuel and advanced compression ignition (ACI) engine interactions and 3) barriers to market acceptance and deployment of co-optimized fuels and engines.

[FY 2016 Commercial Vehicle Information Systems and Networks \(FM-CVN-16-001\)](#) – *Applications due March 3, 2016*
The U.S. Department of Transportation - Commercial Vehicle Information Systems and Networks (CVISN) grant program provides funding for States to advance technological capability and promote the deployment of intelligent transportation systems (ITS) applications for commercial vehicle operations (CVO), including commercial motor vehicle (CMV), commercial driver, and carrier-specific information systems and networks.

WATER

****DUE SOON**** [Indian Tribes and Intertribal Consortia for Nonpoint Source Management Grants under Clean Water Act \(CWA\) Section 319 \(EPA-OW-OWOW-16-01\)](#) – *Applications due January 15, 2016*

The U.S. Environmental Protection Agency (EPA) is soliciting proposals pursuant to Section 319 of the Clean Water Act (CWA) from eligible tribes and intertribal consortia to develop and/or implement watershed-based plans and on-the-ground projects that will result in significant steps towards solving Nonpoint Source (NPS) impairments on a watershed-wide basis. Eligible entities are strongly encouraged to submit proposals that develop and/or implement watershed-based plans designed to protect unimpaired waters and/or restore NPS-impaired waters.

****DUE SOON**** [WaterSMART: Water and Energy Efficiency Grants \(R16-FOA-DO-004\)](#) – *Applications due January 20, 2016*
The U.S. Department of Interior invites 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 the Bureau of Reclamation (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, facilitate water markets, or carry out other activities to address climate-related impacts on water or prevent any water-related crisis or conflict. Water conservation and efficiency are crucial to most Western States' plans to ensure that water is available to meet demands into the future.

ENERGY FUNDING OPPORTUNITIES

[FY16 Great Lakes Bay Watershed Education and Training Program \(NOAA-NOS-ONMS-2016-2004696\)](#) – *Applications due January 29, 2016*

The U.S. Department of Commerce - Office of National Marine Sanctuaries (Great Lakes Region) is seeking proposals under the Great Lakes B-WET Program. The Great Lakes B-WET Program is a competitive grant program that supports existing, high quality environmental education programs, fosters the growth of new, innovative programs, and encourages capacity building and partnership development for environmental education programs throughout the entire Great Lakes watershed. Successful projects provide Meaningful Watershed Educational Experiences (MWEEs) for students and related professional development for teachers, while advancing regional Great Lakes education and environmental priorities.

FEDERAL TAX INCENTIVES

[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.

[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.

[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.

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.

PRIVATELY FUNDED OPPORTUNITIES

[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

[Freshwater Future Project Grants](#)– *Applications due September 30, 2015*

The Freshwater Future Project Grants Program awards are to be used for grassroots project expenses that promote water resource protection and restoration by influencing community and/or individual behavior or opinions, corporate conduct, and/or public policies; and to strengthen the role of individuals and community groups working locally to protect and restore shorelines, inland lakes, rivers, and wetlands in the Great Lakes Basin.

[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.
- [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.

ENERGY FUNDING OPPORTUNITIES

- [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.

[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.