Justice40 Covered Programs

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U.S. DEPARTMENT OF ENERGY | Office of Economic Impact and Diversity

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BATTERY AND CRITICAL MINERAL RECYCLING: BATTERY RECYCLING RESEARCH, DEVELOPMENT, AND DEMONSTRATION GRANTS

- The Office of Manufacturing and Energy Supply Chains Battery Recycling Research, Development, and Demonstration Grants program will competitively award cost-shared grants to: (1) to eligible entities for research, development, and demonstration projects to create innovative and practical approaches to increase the reuse and recycling of batteries; (2) States and units of local government to assist in the establishment or enhancement of State battery collection, recycling, and reprocessing programs; and (3) to retailers that sell covered batteries or covered battery-containing products to establish and implement a system for the acceptance and collection of covered batteries and covered battery-containing products, as applicable, for reuse, recycling, or proper disposal.

BATTERY MANUFACTURING AND RECYCLING GRANTS

- The Manufacturing and Energy Supply Chains Office Battery Manufacturing and Recycling Grants program will competitively award cost-shared grants for: (1) large scale demonstration projects for battery component manufacturing, battery manufacturing, and recycling; (2) new commercial-scale battery component manufacturing, battery manufacturing, or recycling facilities; (3) retool, retrofit, or expand existing facilities. The Program will focus on commercial scale battery cell, component (cathode, separator, anode, electrolyte) production, battery pack and component manufacturing facilities, and battery recycling facilities; and the demonstration manufacturing facilities for new manufacturing processes or techniques. The proposed technologies must be capable of being used in an advanced battery that will be used in electric vehicles and/or electric grid applications.

BATTERY MATERIALS PROCESSING GRANTS

- The Office of Manufacturing and Energy Supply Chains Battery Material Processing Grants program will competitively award cost-shared grants for: (1) large-scale battery materials demonstration projects; (2) new commercial-scale battery material processing facilities; or (3) to retool, retrofit, or expand existing battery material processing facilities. The Program will focus on commercial scale domestic separation of battery materials from extracted feed stocks for cathode production and for producing battery grade graphite and other battery grade materials. The proposed materials must be capable of being used in an advanced battery that will be used in electric vehicles and/or electric grid applications.

CAREER SKILLS TRAINING

- The Office of State and Community Energy Programs Career Skills Training will provide grants to pay the Federal share of career skills training programs under which students concurrently receive classroom instruction and on-the-job training for the purpose of obtaining an industry-related certification to install energy efficient building technologies.

CLEAN ENERGY DEMONSTRATIONS ON CURRENT AND FORMER MINE LANDS

- The Office of Clean Energy Demonstrations Clean Energy Demonstrations on Current and Former Mine Lands Program will be carrying out up to five clean energy projects on current and former mine land to demonstrate the ways that clean energy can lead to productive re-use of this land. This program also aims to create jobs and economic development opportunities, particularly for communities suffering from a recent loss of mining activity. This program is in coordination with the Department of Interior.

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COST-EFFECTIVE CODES IMPLEMENTATION FOR EFFICIENCY AND RESILIENCE PROGRAM

- The Office of Energy Efficiency and Renewable Energy Cost-effective Codes Implementation for Efficiency and Resilience Program amends Section 309 of the Energy Conservation and Production Act (ECPA), 42 U.S.C. 6831. The EERE Buildings Technologies Office (BTO) awards competitive grants to implement updated building codes.

ENERGY EFFICIENCY MATERIALS PILOT PROGRAM

- The Office of State and Community Energy Programs Energy Efficiency Materials Pilot Program provides grants to supply nonprofit buildings with energy-efficiency materials. The goal of the Pilot Program is to provide nonprofits with energy efficiency materials including: (1) a roof or lighting system or component of the system; (2) a window; (3) a door, including a security door; and (4) a heating, ventilation, or air conditioning system or component of the system (including insulation and wiring and plumbing improvements needed to serve a more efficient system).

ENHANCED GEOTHERMAL SYSTEMS AND PILOT DEMONSTRATIONS

- The Office of Energy Efficiency and Renewable Energy Enhanced Geothermal Systems and Pilot Demonstrations provides $84 million to support four competitively selected pilot projects that collectively demonstrate EGS in different geologic settings, includingone in the eastern United States.

GRANTS FOR ENERGY EFFICIENCY AND RENEWABLE ENERGY IMPROVEMENTS AT PUBLIC SCHOOL FACILITIES

- The Office of State and Community Energy Programs Grants for Energy Efficiency and Renewable Energy Improvements at Public School Facilities Program provides competitive grants to make energy efficiency, renewable energy, and alternative fueled vehicle upgrades and improvements at public schools.

REGIONAL CLEAN HYDROGEN HUBS

- The Office of Clean Energy Demonstrations Regional Clean Hydrogen Hubs program is building at least four regional clean hydrogen hubs across the country to create networks of hydrogen producers, consumers, and local connective infrastructure to accelerate the use of hydrogen.

REGIONAL DIRECT AIR CAPTURE HUBS

- The Office of Fossil Energy and Carbon Management Regional Direct Air Capture Hubs aims to establish a program under which the Secretary shall provide funding for eligible projects that contribute to the development of four regional direct air capture hubs.

SOLAR RECYCLING RESEARCH & DEVELOPMENT

- The Solar Recycling Research & Development program provides funds to carry out Energy Act 2020 "Solar Energy Technology Recycling R,D&D Program" (3004(b)(4)(42 U.S.C. 16238 (b)(4))) which includes a variety of activities such as raw material recovery, disposal processes, disassembly and recycling, and alternative materials enabling cost effective resource recovery.

WIND ENERGY TECH RECYCLING RESEARCH & DEVELOPMENT

- The Office of Energy Efficiency and Renewable Energy Wind Energy Tech Recycling Research & Development program provides funds to carry out Energy Act "Wind Energy Technology Recycling R,D&D Program" (2020 Section 3003(b)(4) (42 U.S.C. 16237 (b) (4)) which includes a variety of activities such as raw material recovery, disposal processes, disassembly and recycling, and alternative materials enabling cost effective resource recovery.

WIND ENERGY TECHNOLOGY PROGRAM

- The Office of Energy Efficiency and Renewable Energy Wind Energy Technology Program provides funds to carry out Energy Act 2020 "Wind Energy Technology Program" (Section 3003(b)(2) (42 U.S.C. 16237 (b) (2)) which includes a variety of activities such as competitive grants, pre-competitive research, facilities, prizes, analyses, education, and small business vouchers.

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TRIBAL SCIENCE TECHNOLOGY, ENGINEERING, AND MATH (STEM) GRANT PROGRAM

- The Bonneville Power Authority Tribal STEM Grant provides funding, when available, to support jobs and training for Tribal members and others in rural areas that have historically high unemployment rates.

COMMUNITIES LOCAL ENERGY ACTION PROGRAM (COMMUNITIES LEAP)

- The Office of Electricity Communities Local Energy Action Program (Communities LEAP) initiative is designed to help energy overburdened communities take direct control of their clean energy future. Twenty-four communities were selected to receive support from DOE to create community-wide action plans that reduce local air pollution, increase energy resilience, lower utility costs and energy burdens, and provide long-term jobs and economic opportunities.

COOPERATIVE AGREEMENTS WITH TRIBAL GOVT AND MINORITY SERVING INSTITUTIONS

- The Office of Legacy Management Cooperative Agreement program includes executing agreements with Tribal Governments and Minority Serving Institutions (MSI) to support LM's Long-Term Stewardship and Environmental Justice mission. These cooperative agreements foster the protection of human health and the environment and ensure the avoidance of disproportionately high and adverse human health or environmental effects on minority and low-income populations.

ENERGY FUTURE GRANT

- The Office of State and Community Energy Programs Energy Future Grants will provide financial and technical assistance to support clean energy and economic development planning by state, local and tribal governments. The program will emphasize community-centered partnerships or joint-applications inclusive of community-based organizations.

DISCRETIONARY GRANTS TO MINORITY SERVING INSTITUTIONS

- The Office of Legacy Management Discretionary Grants program includes providing grants to Minority Serving Institutions (MSI) to ensure the avoidance of disproportionately high and adverse human health or environmental effects on minority and low income populations. The objectives of these grants Include but not limited to providing underrepresented college students exposure to laboratory research in environmental Science, Technology, Engineering, and Math (STEM), building a sustainable pipeline of students who are educated in the environmental factors that impact their communities, and raising awareness among community members about the environment and health issues affecting communities.

INDIAN ENERGY

- The Office of Indian Energy Policy and Programs is authorized to fund and implement a variety of programmatic activities that assist American Indian Tribes and Alaska Native villages with energy development, capacity building, energy cost reduction, and electrification of Indian lands and homes.

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MINORITY EDUCATION, WORKFORCE DEVELOPMENT, AND TRAINING (MEWT)

- The Minority Education, Workforce, and Training (MEWT) Program provided funding to small business, minority serving institutions, and nonprofits in the areas of STEM education, capacity building, technical assistance, and workforce development. Approximately $4 million in financial assistance was initially awarded, with opportunities for additional funding contingent on the progress of proposed projects.

FUNDING FOR ACCELERATED, INCLUSIVE RESEARCH (FAIR) INITIATIVE

- The Office of Science Funding for Accelerated, Inclusive Research (FAIR) initiative will support a directed effort to fund clean energy, climate, and related activities at minority serving institutions (MSIs), including historically black colleges and universities (HBCUs).

TRIBAL ENERGY LOAN GUARANTEE PROGRAM

- The Tribal Energy Loan Guarantee Program (TELGP) is a partial loan guarantee program that can guarantee up to$2 billion in loans to Tribes to support energy development projects and activities and investments in energy resources. TELGP provides direct economic support to the 574 federally recognized Native American and Alaska Native Communities by providing loan guarantees specifically for federally recognized Tribes or Tribal energy development organizations with majority Tribal ownership and control. Examples of potential projects include but are not limited to: Fossil Energy; Renewable Energy; Transmission Infrastructure & Energy Storage; and Transportation of Fuels.

Learn more about these programs and view the full list at the Office of Economic Impact and Diversity's DOE Justice40 Covered Programs page or by scanning this QR code.

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ADVANCED ENERGY MANUFACTURING AND RECYCLING GRANTS

- The Manufacturing and Energy Supply Chains Office Advanced Energy Manufacturing and Recycling Grant Program will competitively award cost-shared grants for projects that: (1) re-equip, expand, or establish facilities to manufacture or recycle clean energy properties or manufacturing facilities making clean energy products, or (2) re-equip industrial facilities to substantially reduce GHG emissions of that facility.

BUILDING, TRAINING, AND ASSESSMENT CENTERS

- The Office of State and Community Energy Programs Building, Training, And Assessment Centers will provide grants to institutions of higher education to establish building training and assessment centers to educate and train building technicians and engineers on implementing modern building technologies.

CARBON INFRASTRUCTURE FINANCE AND INNOVATION ACT (CIFIA)

- The Loan Programs Office Carbon Infrastructure Finance and Innovation Act (CIFIA) pragram received $2.1 billion to provide Federal government financing to large-scale Common-Carrier carbon dioxide ("CO2") transportation infrastructure projects. Carbon capture, utilization, and storage ("CCUS") technologies, including direct air capture, must be deployed at a large-scale in the coming decades to reduce hard-to-abate CO2 emissions from the industrial sector. CIFIA will support CCUS technology deployment by financing projects that build shared CO2 transport and storage infrastructure.

COMMERCIAL DIRECT AIR CAPTURE TECHNOLOGY PRIZE COMPETITION

- The Fossil Energy and Carbon Management Commercial Direct Air Capture Technology Prize Competition requires the Secretary of Energy to develop requirements for (1) the prize competition process; and (2) monitoring and verification procedures for projects selected to receive a prize. Prizes shall be awarded to qualified direct air capture facilities for metric tons of qualified carbon dioxide captured, and will be verified at the point of disposal, injection, or utilization.

ENERGY AUDITOR TRAINING GRANT PROGRAM

- Through the Office of State and Community Energy Programs competitive Energy Auditor Training Grant Program, DOE will award grants of up to $2 million to eligible states to train individuals to conduct energy audits or surveys of commercial and residential buildings. States can use these funds for individuals' training and certification costs for covered certifications, as defined in the legislation, and may use up to ten percent of their funds to pay the wages of an individual during the period of training.

ENERGY EFFICIENCY AND CONSERVATION BLOCK GRANT PROGRAM

- The Office of State and Community Energy Programs Energy Efficiency and Conservation Block Grant Program (EECBG) provides Federal grants to states, units of local government, and Tribes to assist eligible entities in implementing strategies to reduce fossil fuel emissions, to reduce total energy use, and to improve energy efficiency.

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ENERGY EFFICIENCY REVOLVING LOAN FUND CAPITALIZATION GRANT PROGRAM

- The Office of State and Community Energy Programs Energy Efficiency Revolving Loan Fund Capitalization Grant Program will provide capitalization grants to states to establish revolving loan funds for energy efficiency audits, upgrades, and retrofits to increase energy efficiency and improve comfort in buildings.

INDUSTRIAL RESEARCH AND ASSESSMENT CENTER IMPLEMENTATION GRANTS PROGRAM

- The Office of State and Community Energy Programs Industrial Research and Assessment Centers Implementation Grants Program is aimed at small and medium-sized manufacturers and takes the form of direct financial assistance to reduce or offset the costs of energy efficiency, productivity improvement, and emissions reduction implementation. Once a qualifying energy assessment is completed, manufacturers can apply for a grant to support implementation of a specific project or set of projects.

STATE MANUFACTURING LEADERSHIP

- The Manufacturing and Energy Supply Chains Office State Manufacturing Leadership program will provide financial assistance on a competitive basis to States for the establishment of programs to support the implementation of smart manufacturing technologies (SMT) by small and medium manufacturers in the industrial sector and provide access to the high-performance computing resources at the National Laboratories. The goal of the program is to reduce greenhouse gas emissions, improve energy efficiency, and enhance the productivity and competitiveness of domestic manufacturing by accelerating the uptake of smart manufacturing and providing greater access to advanced computing resources.

ORPHAN WELL SITE PLUGGING, REMEDIATION, AND RESTORATION

- The Office of Fossil Energy and Carbon Management Orphan Well Site Plugging, Remediation, and Restoration program aims to find and characterize orphaned wells and determine the physical locations, methane emissions, wellbore integrity, and other environmental impacts of those wells. DOE, in collaboration with the state government organization, Interstate Oil and Gas Compact Commission (IOGCC), has created a research consortium with five national laboratories to develop advanced technologies and best operational practices to find and characterize undocumented orphaned wells across the U.S.

PRE-COMMERCIAL DIRECT AIR CAPTURE PRIZE COMPETITIONS

- The Office of Fossil Energy and Carbon Management Pre-Commercial Direct Air Capture Prize Competitions allows for the reauthorization of programs to advance research, development, demonstration, and commercial application of carbon capture technologies.

PREVENTING OUTAGES AND ENHANCING THE RESILIENCE OF THE ELECTRIC GRID / HAZARD HARDENING

- The Grid Deployment Office Grid Resilience and Hardening Grant Program is an approximately $5 billion grant program to strengthen and modernize America's power grid against wildfires, extreme weather, and other natural disasters exacerbated by the climate crisis. This program includes $2.5 billion in matching grants for industry and $2.5 billion in formula grants for states and Tribes.

CARBON UTILIZATION

- The Office of Fossil Energy and Carbon Management Carbon Utilization Program supports the ecosystem to deploy technologies that recycle CO2 into value-added products. To create products such as CO2-based building materials, fuels, and chemicals, the Program focuses on mineralization, catalytic conversion, and biological approaches.

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PUMPED STORAGE HYDROPOWER WIND AND SOLAR INTEGRATION AND SYSTEM RELIABILITY INITIATIVE

- The Office of Energy Efficiency and Renewable Energy Pumped Storage Hydropower Wind and Solar Integration and System Reliability Initiative amends Section 3201 of the Energy Policy Act of 2020 to include pump storage for wind and solar integration. The initiative provides financial assistance to eligible entities (such as municipal utilities, cooperative utilities, Investor-Owned Utilities (IOUs), Tribes, Sustainable Energy Organizations (SEOs), universities, etc.) to carry out project design, transmission studies, power market assessments, and permitting for a pumped storage hydropower project to facilitate the long-duration storage of intermittent renewable electricity.

RURAL AND MUNICIPAL UTILITY ADVANCES CYBERSECURITY GRANT AND TECHNICAL ASSISTANCE

- The Office of Cybersecurity, Energy Security, and Emergency Response Rural and Municipal Utility Advances Cybersecurity Grant and Technical Assistance Program will provide grants and technical assistance to, and enter into cooperative agreements with, eligible entities to protect against, detect, respond to, and recover from cybersecurity threats.

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AISES INTERNSHIP PARTNERSHIP

- The Bonneville Power Aadministration AISES Internship Partnership Program partners with the American Indian Science and Engineering Society (AISES) to offer up to four BPA internships per year, depending on funding. Funding for this program supports jobs for Tribal members and others in rural areas that have historically high unemployment rates.

BUILDING TECHNOLOGIES OFFICE

- The Building Technologies Office (BTO) develops, demonstrates, and accelerates the adoption of cost effective technologies, techniques, tools, and services that enable high-performing, energy-efficient and demand flexible residential and commercial buildings in both the new and existing buildings markets, in support of an equitable transition to a decarbonized energy system by 2050, starting with a decarbonized power sector by 2035.

COMMUNITY ENGAGEMENT COOPERATIVE AGREEMENTS

- The Office of Environmental Management (EM) is conducting stakeholder engagement and Tribal consultation related to the Justice40 Initiative with regards to the following community engagement cooperative agreements:
  - Energy Communities Alliance (ECA)
  - EM Minority Serving Institutions Partnership Program (EM MSIPP)
  - Consortium for Risk Evaluation with Stakeholder Participation (CRESP)
  - Florida International University (FIU)
  - National Conference of State Legislatures (NCSL)

COMMUNITY ENGAGEMENT GRANTS

- The Office of Environmental Management (EM) is conducting stakeholder engagement and Tribal consultation related to the Justice40 Initiative with regards to the following community engagement grants:
  - Hanford: Tribal grants and States of Washington and Oregon grants
  - Idaho National Laboratory (INL): Shoshone-Bannock Tribal DOE program grants
  - Savannah River Site (SRS): Grants for Savannah State University, University of South Carolina, and SRS Community Reuse Organization
  - EM-LA: Grants for the Santa Fe Indian School and four Accord Pueblos as part of the Los Alamos Pueblos Project

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ENERGYTECH UP

- The Office of State and Community Energy Programs EnergyTech UP is sponsored by OTT. The EnergyTech University Prize (EnergyTech UP) is a collegiate competition challenging multidisciplinary student teams to develop and present a business plan that leverages lab-developed and other high-potential energy technologies. EnergyTech UP awards cash prizes to teams that successfully identify an energy technology, assess its market potential, and propose a strategy for commercialization.

ENTREPRENEURSHIP PROGRAM

- The Office of Technology Transitions (OTT) Entrepreneurship Program is designed to support OTT's mission by offering undergraduate students the opportunity to participate in programs, projects, and activities at DOE Headquarters and approved facilities. The program will benefit OTT by helping to develop a pool of talented technology commercialization professionals from which the Department and National Labs can draw in order to achieve its mission to expand the public impact of the department's research and development portfolio while advancing the economic, energy and national security interests of the nation.

FEDERAL ENERGY MANAGEMENT PROGRAM

- The Federal Energy Management Program (FEMP) works with its stakeholders to enable federal agencies to meet energy-related goals, identify affordable solutions, facilitate public-private partnerships, and provide energy leadership to the country by identifying and leveraging government best practices

REACHING A NEW ENERGY SCIENCES WORKFORCE (RENEW) INITIATIVE

- The Office of Science Reaching a New Energy Sciences Workforce (RENEW) Initiative leverages SC's world-unique national laboratories, user facilities, and other research infrastructures to provide undergraduate and graduate training opportunities for students and academic institutions not currently well represented in the U.S. S&T ecosystem.

PREPAREDNESS, POLICY, AND RISK ANALYSIS

- The Office of Cybersecurity, Energy Security, and Emergency Response Preparedness, Policy, and Risk Analysis (PPRA) focuses on assessing risks to the sector, sharing threat information and resources with owners and operators to mitigate risks, and developing the planning and risk management capabilities of industry and States, localities, tribes, and territories to improve energy sector security and resilience. This program was formerly known as Information Sharing, Partnerships, and Exercises (IPSE).

SMALL BUSINESS INNOVATION RESEARCH

- The Office of Science Small Business Innovation Research (SBIR) Program. Congress established the SBIR program to support scientific excellence and technological innovation through the investment of Federal research funds in critical American priorities to build a strong national economy. Federal agencies with large research and development (R&D) budgets set aside a small fraction of their funding for competitions among small businesses only.

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SMALL BUSINESS TECHNOLOGY TRANSFER

- The Office of Science Small Business Technology Transfer (STTR) Program. Congress established the STTR program to foster collaboration and technology transfer between research institutions and small businesses. Federal agencies with large research and development (R&D) budgets set aside a small fraction of their funding for competitions among small businesses only.

SOUTHEASTERN POWER ADMINISTRATION

- The mission of the U.S. Department of Energy's Southeastern Power Administration (SEPA) is to market and deliver Federal hydroelectric power at the lowest possible cost to public bodies and cooperatives in the southeastern United States in a professional, innovative, customer-oriented manner, while continuing to meet the challenges of an ever-changing electric utility environment through continuous improvements.

WEATHERIZATION ASSISTANCE PROGRAM

- The Office of State and Community Energy Programs Weatherization Assistance Program (WAP) reduces energy costs for low-income households by increasing the energy efficiency of their homes, while ensuring their health and safety. Through weatherization improvements and upgrades, these households save on average $372 or more every year according to a national evaluation of the program. This program received additional funding in the Bipartisan Infrastructure Law (BIL).

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