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Applicant Self-Disclosed 48C Projects

The Qualifying Advanced Energy Project Credit (48C) was established by the American Recovery and Reinvestment Act of 2009 and expanded with a \$10 billion investment under the Inflation Reduction Act of 2022. By law, at least \$4 billion of the total \$10 billion will be allocated to projects in designated [48C energy communities](#)—which includes communities with closed coal mines or coal plants. 48C provides an investment tax credit of up to 30% of qualified investments for certified qualifying advanced energy projects that meet prevailing wage and apprenticeship requirements.

The IRS [released](#) allocations for the first round of the Qualifying Advanced Energy Project Credit (48C) on March 29, 2024. Of the \$4 billion in tax credit allocations, approximately \$1.5 billion supports projects in designated 48C energy communities. The law requires publication of the names of all

organizations with certified projects and the amount of their allocation after projects meet certain project readiness criteria required for certification. After receiving an allocation and prior to certification, organizations may voluntarily choose to share information about their allocation. **The organizations listed below affirmatively and voluntarily chose to self-disclose their name and project information to the Department of Energy outside of the 48C Program, and the information below does not constitute federal tax information.**

Applicant Self-Disclosed 48C Projects

The following entities voluntarily disclosed their project information to the Department of Energy.

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Project Topic

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Organization Name	Credit Allocation	Project Topic	Project City	Project State	Company Provided Project Description:
Albemarle U.S., Inc.	\$9,390,000	Critical Minerals and Materials	Silver Peak	Nevada	Albemarle has been awarded a \$9 million tax credit to support the Silver Peak Lithium Project (SPLP), which will expand the production of lithium carbonate production at the company's facility in Nevada. This project addresses a

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					<p>priority area of the U.S. to increase manufacturing capacity and quality jobs to secure domestic supply chains for critical materials that serve clean energy needs. Issued through the Qualifying Advanced Energy Project Credit (48C) Program, this tax credit is part of the Inflation Reduction Act and falls under the Department of Treasury, bureau of Internal Revenue Service.</p>
American Battery Technology Company	\$19,575,896	Critical Minerals and Materials	Sparks	Nevada	<p>This project will support the construction of a new facility for the recycling of lithium-ion batteries utilizing these internally-developed technologies with a throughput of 20,000 tonnes per year. This facility will produce battery</p>

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ArcelorMittal Calvert LLC	\$280,500,000	Critical Minerals and Materials	Calvert	Alabama	<p>grade critical materials of nickel sulfate, cobalt sulfate, manganese sulfate, lithium hydroxide, spherical graphite, copper, and aluminum. ABTC specifically manufactures these products to the battery grade specifications of its customers so that these products can be reintroduced into the domestic-US supply chain to create a closed-loop infrastructure.</p> <p>ArcelorMittal proposes to build an advanced manufacturing facility in Calvert, Alabama to produce high-quality non-grain oriented electrical steel (NOES) - a critical material essential in electric vehicle motors and other clean energy technologies. The project will fill a</p>

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				critical gap in the domestic supply chain, reducing dependency on imports while supporting decarbonization of the automotive sector.	
Ballard Power Systems	\$54,002,371	Clean Energy and Clean Vehicle Manufacturing	Rockwall	Texas	Ballard Power Systems Inc. (Ballard) plans to construct a new 230,000 square foot facility in Rockwall, Texas which will demonstrate disruptive, low-cost, fully automated manufacturing processes to position Ballard to meet expected future market demand, while significantly driving down costs of its market-leading fuel cell engines. The facility represents the next stage of Ballard's 'local for local' strategy, featuring cutting-

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					edge fuel cell and advanced manufacturing strategy. This will enable further scaling and commercialization of Ballard's zero emission fuel cell solutions across their target markets of bus, truck, rail, marine, off-road, and stationary power applications. Ballard plans for the new facility, dubbed Ballard Rockwall Giga 1, to be located on a parcel of 22 acres of industrial land within the Rockwall Technology Park in Rockwall, Texas. In Phase I, Ballard plans to build and commission this new manufacturing facility with annual production capacity of 8 million MEAs, 8 million bipolar plates, 20,000 fuel cell stacks, and up to 20,000 fuel cell

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Covestro LLC	\$4,555,800	Industrial Decarbonization	Baytown	Texas	<p>engines per year, or the equivalent of 3 gigawatts of fuel cells.</p> <p>Covestro, a leading manufacturer of high-quality polymer materials, has initiated a project to significantly reduce Scope 1 emissions, specifically the N₂O and NO_x emissions associated with nitric acid production at its Baytown, Texas facility. The project is solely to reduce N₂O and NO_x emissions. It will not increase production capacity, revenue or profit for Covestro, and it will result in a chemically identical product. The project will, however, help Covestro achieve its climate neutrality targets through reduced</p>

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					emissions and result in a more environmentally sound product.
Cummins, Inc.	\$10,597,500	Clean Energy and Clean Vehicle Manufacturing	Fridley	Minnesota	<p>Cummins is investing in large-scale PEM electrolyzer manufacturing and testing for Accelerera by Cummins, its zero-emissions technology brand, at its Fridley, MN, U.S. plant. This hydrogen production technology enables customers to decarbonize hard-to-abate applications and sectors of the economy. Driving cost-effective domestic manufacturing of electrolyzers at commercial scale is required to develop a viable hydrogen economy and accelerate the shift to zero.</p>

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Eaton Corporation	\$16,278,300	Grid Components and Modernization	Nacogdoches	Texas	<p>Eaton is expanding production capacity of voltage regulators at their Nacogdoches, TX manufacturing facility. The current facility sits at 192,650 sq ft and produces single-phase polemount and padmount transformers. This project will add 243,000 sq ft to the existing facility and will accommodate increased manufacturing of voltage regulators. The investment at the Nacogdoches, TX facility will increase Eaton's ability to meet customer demands and support utility companies' efforts to modernize the grid. Voltage regulators are a key component in grid stability and resiliency because they hold the distribution line</p>

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					<p>voltage constant. This project will also facilitate the expanded production of medium voltage liquid-immersed transformers for distribution utilities at Eaton's Waukesha, WI facility. Voltage regulators and distribution transformers are necessary to meet current and long-term electricity demand and to enable the broader use of distributed energy resources and electrification of the nation's transportation system.</p>
Eaton Corporation	\$9,000,000	Grid Components and Modernization	El Paso	Texas	<p>In El Paso, Texas, Eaton is investing \$80M to significantly expand its manufacturing footprint -opening a new facility and increasing capacity at its existing manufacturing</p>

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Eaton Corporation	\$1,326,060	Grid Components and Modernization	Waukesha	Wisconsin	<p>plant. This project will expand production of low-voltage switchgear, circuit breakers, switchboards, panelboards and other assemblies for critical U.S. energy infrastructure projects across industries.</p> <p>Eaton is investing \$22M in equipment at its Waukesha, Wisconsin, facility to increase manufacturing capacity of three-phase transformers for utility, data center, large commercial and industrial applications. Eaton's equipment provides vital functionality to support electric grid resilience, renewable energy projects and electric vehicle (EV) charging stations.</p>

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Electric Hydrogen Co.	\$18,348,108	Clean Energy and Clean Vehicle Manufacturing	Devens	Massachusetts	<p>Electric Hydrogen is leveraging American innovation and manufacturing expertise to produce its product at industrial scale with the establishment of its Gigafactory in Devens, MA. This facility will be among the largest electrolyzer factories in the world, providing U.S. green hydrogen developers with high-performance, domestically manufactured electrolyzers at lower cost than Chinese produced systems. Once fully ramped to its 1.2 GW per year capacity, the gigafactory's stacks will generate enough green hydrogen to eliminate up to 2.4 million metric tons of carbon dioxide</p>

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Entek	\$201,980,144	Clean Energy and Clean Vehicle Manufacturing	Terre Haute	Indiana	<p>emissions per year. The Devens gigafactory's first electrolyzer stacks will be shipped later this year to a customer-sited project in southeast Texas.</p> <p>ENTEK, a US owned and US based manufacturer, is building a giga-scale factory to produce separators (both coated and uncoated) for lithium batteries for the US market. This significant investment will boost the supply of a critical component for the domestic lithium-ion battery supply chain, helping US automakers achieve content requirements and allowing consumers to access the Clean Vehicle Credit. ENTEK has had the strong support of the Terre Haute</p>

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ESM ATLiS, LLC & Energy Source Minerals, LCC	\$260,742,592	Critical Minerals and Materials	Calipatria	California	<p>community as they build out this project and has committed to providing hundreds of family wage clean energy jobs, investing in the community, and engaging with a large cross-section of stakeholders as they ensure the long-term success of this project in partnership with the broader community.</p> <p>EnergySource Minerals, LLC ("ESM") is a privately held company leading the development of Project ATLiS, a premier lithium project located in Imperial County, California (the "Project" or "Project ATLiS"). The Project will result in the extraction and production of battery-spec lithium products</p>

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					utilizing spent geothermal brines from the Salton Sea Known Geothermal Resource Area ("SSKGRA"). The Project aids in ESM's mission to domestically produce low cost, low carbon, lithium products that are safe and efficient to operate. The Project is located adjacent to the existing Featherstone geothermal power plant ("Featherstone Plant"), which includes a fully built geothermal power production facility, production and injection well field, power, and water utilities. The Project will create up to 450 direct construction jobs and 71 direct operations, manufacturing, and asset management jobs after the

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					<p>Project is operational. ESM, in coordination with its EnergySource LLC ("EnergySource") affiliate, has specialized in geothermal power operations and development on the SSKGRA since 2006. ESM has an experienced commercial development team executing the Project, including members of the Featherstone Plant development team, industry experts in lithium, and world class vendors and their engineering teams. The Project includes the construction and operation of a new 25-acre manufacturing facility in Imperial County, CA (the "Facility") to produce approximately 20,000 metric tons</p>

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e-VAC Magnetics LLC (eVAC)	\$111,990,000	Clean Energy and Clean Vehicle Manufacturing	Sumter	South Carolina	<p>("tonnes") per annum battery quality lithium hydroxide monohydrate ("LHM") from geothermal brines. The Facility will be located on 80 acres of land that is adjacent to the Featherstone Plant which will supply feedstock brine for the Project. The Facility is close to the town of Calipatria, on the eastern shore of the Salton Sea (33° 12'15.45" N, 115° 34'35.60" W - approximately 200 miles (320 km) from Los Angeles and nearby Port of Long Beach). The LHM produced from this Project will be fully utilized for battery powered electric vehicles ("EVs").</p> <p>eVAC Magnetics leads manufacturing of rare earth</p>

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					<p>permanent magnets in the Western Hemisphere with the advancement of its first U.S. manufacturing facility in Sumter, SC, projected to create 300 new jobs, with operations beginning in the fall of 2025. eVAC, which is part of the Vacuumschmelze Group, produces rare earth neodymium-iron-boron (NdFeB) magnets, which are critical to automotive, defense, industrial and renewable energy applications.</p>
GO Lab, Inc. (dba TimberHP)	\$16,809,941	Clean Energy and Clean Vehicle Manufacturing	Madison	Maine	<p>TimberHP makes building insulation from waste wood fiber as an alternative to fiber glass and foam. High performing and non-toxic, TimberHP is renewable,</p>

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Hellenic Cables Americas Co.		Grid Components and Modernization	Baltimore	Maryland	<p>recyclable and the only scalable insulation solution with a negative carbon footprint. When operating at full capacity, TimberHP Madison will produce almost 20 tons of product an hour, utilize over 250,000 green tons of softwood residuals per year, generate \$168M of revenue, and employ 144.</p> <p>Hellenic Cables Americas intends to build Project Argo, a new state-of-the-art cable manufacturing facility in Baltimore City, Maryland. Project Argo is the first-of-its-kind manufacturing facility in the U.S. dedicated to manufacturing underwater and underground cables for Offshore Wind and Grid Modernization</p>

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Highland Materials, Inc.	\$255,600,000	Clean Energy and Clean Vehicle Manufacturing	Surgoinsville	Tennessee	<p>applications. It addresses the 21st-century, growing energy transition market with high-tech products made in a modern, clean, low-noise, ultra-low-emissions operation. Project Argo will be built on a 36-acre vacant, brownfield, waterfront property in Wagners Point, Baltimore. This site was selected for its deep-water access required for the specialized cable-lay vessels, its proximity to Baltimore's port, extensive logistics infrastructure and labor pool as well as its mid-Atlantic location, ideal to serve all offshore wind projects across the East Coast.</p> <p>Highland Materials a unique, patent protected silicon purification</p>

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John Cockerill Hydrogen North America	\$34,145,868	Clean Energy and Clean Vehicle Manufacturing	Baytown	Texas	<p>technology to produce solar grade polysilicon at less than standard cost and with a 90% reduction in carbon emissions compared to other major manufacturers. Highland will produce 16,000 Metric Tons (MT/year) of solar silicon initially, increasing to 20,000 MT in four years - the equivalent of 11 GW of solar cells.</p> <p>John Cockerill Hydrogen North America will establish its first U.S. based facility for electrolyzer production. This gigafactory will have capacity to manufacture 200 patented 5-megawatt pressurized alkaline electrolyzers per year, which is the equivalent of 1GW</p>

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JSW Steel USA Ohio, Inc.	\$43,500,000	Clean Energy and Clean	Mingo Junction	Ohio	<p>electrolyzers per year. The selected location in Baytown, Texas contains a building which would require retrofit activities to be suited for electrolyzer production purposes. John Cockerill will prepare its site for electrolyzer manufacturing, build out production for electrolyzers, establish local supply chains including materials sourced from U.S. suppliers for critical components, and undertake staffing and training of talent to work at the facility, with the objective of starting electrolyzer stack assembly by Year End 2024.</p> <p>JSW USA's \$145 million investment in its Mingo</p>

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		Vehicle Manufacturing			<p>Junction facility will enable our company to produce monopile-grade steel slabs that will support monopile pole towers for usage in the offshore wind energy market. This investment will also reduce JSW USA's Baytown facility's reliance on imported steel slabs significantly and reduce overall carbon emissions by replacing imported slabs which have higher carbon emissions as compared to slabs produced by JSW USA which uses one of the most energy-efficient and lowest carbon-emitting method of steelmaking in the industry. The investment involves purchasing a twin Vacuum Tank Degasser (VTD) with associated transfer cars, tanks,</p>

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LS GREENLINK USA, INC.	\$99,060,000	Clean Energy and Clean Vehicle Manufacturing			<p>tank covers, tank cover lifting devices, and related material handling systems. The investment will also make upgrades to both strands of the facility's caster. Lastly, this investment will result in the installation of a slab cooling water air mist system as well as auxiliary equipment, such as hydraulic and lubrication units. The project will address a gap in the renewable energy supply chain in the United States while creating and securing prevailing wage jobs in a qualified energy community.</p> <p>LS GreenLink USA, Inc. ("LS GreenLink"), a wholly-owned subsidiary of LS Cable & System Ltd., will specialize</p>

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					<p>in manufacturing subsea power cables in the United States. The subsea power cables to be manufactured by LS GreenLink are integral to the global supply chain for offshore wind farms and designed to optimize bulk clean-power transmission. LS GreenLink will set new standards by introducing advanced manufacturing capabilities to support the global clean technology industry.</p>
Middlesex County Utilities Authority	\$40,500,000	Industrial Decarbonization	Sayreville	New Jersey	<p>The Middlesex County Utilities Authority (MCUA) is designing and constructing an Advanced Anaerobic Digestion Facility to increase the efficiency of the solids handling process of wastewater</p>

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Mobis North America electrified Powertrain, LLC	\$57,666,890	Clean Energy and Clean Vehicle Manufacturing	Richmond Hill	Georgia	<p>treatment. This facility will increase renewable energy production, decrease the weight of sludge processed and reduce overall emissions of the Treatment Plant by approximately 23%.</p> <p>Mobis North America electrified Powertrain, LLC (MNAe) is proud to announce that the company will be constructing three different electric vehicle component part plants that will provide these parts to the production of Hyundai and Kia electric vehicles. The awarded plant, located in Richmond Hill, will specifically produce Power Electric Systems ("PE System") which are integral to the production of electric vehicles through a positive</p>

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					environmental and community impact to the United States economy.
Moment Energy Inc.	\$6,000,000	Grid Components and Modernization	Vance	Alabama	<p>Moment Energy is building the first large-scale US manufacturing facility to process Giga-Watt hours of electric vehicle (EV) batteries for stationary storage applications. This facility will repurpose retired EV batteries, with 80% life remaining after their initial use in EVs, for grid modernization. Moment Energy will leverage its leadership in advanced battery testing and manufacturing, along with proprietary hardware, electrical systems and software, to ensure the EV battery repurposing process is safe and affordable. This</p>

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initiative creates hundreds of well-paying jobs in the renewable industry, strengthening America's energy independence and critical material supply chains. The repurposed EV batteries will be utilized for grid modernization across the United States before being recycled domestically, ensuring that battery materials are kept in the US Supply Chain. Moment Energy's facility builds upon the success of its 15,000-square-foot concept facility, which stands as North America's first and only process certified by UL Solutions to UL 1974, the Standard for Evaluation for Repurposing Batteries.

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MP Materials Corp.	\$58,500,000	Clean Energy and Clean Vehicle Manufacturing	Fort Worth	Texas	<p>MP Materials is constructing America's first fully integrated rare earth magnet manufacturing facility in Fort Worth, Texas. Neodymium-iron-boron (NdFeB) permanent magnets are an indispensable component found in the electric motors and generators that power hybrid and electric vehicles, robots, wind turbines, drones, electronics, and critical defense systems. The U.S. is virtually 100% dependent on imports according to the Department of Commerce. MP will source the factory's raw material inputs from Mountain Pass, California, where it owns and operates America's only operational rare</p>

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					<p>earth mine and separations facility. At the factory, NdPr oxide produced at Mountain Pass will be reduced to NdPr metal and then converted to NdFeB alloy and finished magnets, delivering an end-to-end supply chain with integrated recycling and world-class sustainability. MP will supply finished magnets to General Motors to support its North American EV production.</p>
Nel Hydrogen	\$40,967,343	Clean Energy and Clean Vehicle Manufacturing	Plymouth Township, a Detroit suburb	Michigan	<p>Nel has been awarded up to \$41 million in investment tax credits for its planned electrolyser manufacturing expansion in Michigan as part of the Qualifying Advanced Energy Project Tax Credit (48C) program. The</p>

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NOVONIX Anode Materials LLC	\$103,063,889	Critical Minerals and Materials	Chattanooga	Tennessee	<p>company has initiated a significant expansion and industrialization of its manufacturing capacity and is preparing for a future site in Plymouth Charter Township, a suburb of Detroit, Michigan. When fully developed, the facility will be among the world's largest electrode facilities, where Nel will manufacture its next-generation pressurized alkaline and PEM technologies.</p> <p>NOVONIX Anode Materials LLC ("NAM") proposes to fully equip its recently purchased and retrofitted industrial facility to produce high-performance synthetic graphite (the "Project"), engineered to produce 20,000</p>

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					tonnes per annum of synthetic graphite at full capacity. It will be the first commercially active large scale synthetic graphite facility dedicated to battery anode material in North America, allowing for future cost improvements and providing a base for product qualification to scale production significantly in the United States. NAM was formed in 2017 to develop and commercialize high-performance, synthetic graphite anode material for the lithium-ion battery market focused on electric vehicles, energy storage systems, and other specialty applications. The Project will significantly expand U.S. production, reduce

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					overwhelming reliance on China for this key battery material, and reduce the cost of battery grade graphite.
Nth Cycle Inc	\$7,221,167	Critical Minerals and Materials	Fairfield	Ohio	Nth Cycle, a critical metal refining company, will establish the nation's first large-scale production of Mixed Hydroxide Precipitate (MHP) at their facility in Fairfield, Ohio. The project, powered by Nth Cycle's patented "Oyster" electro-extraction refining system, aims to deliver domestic nickel and cobalt, crucial for helping battery companies comply with the Inflation Reduction Act's requirement for EVs.
Nuvera Fuel Cells, LLC	\$14,106,057	Clean Energy and Clean Vehicle Manufacturing	Billerica	Massachusetts	Nuvera plans to expand and re-equip the manufacturing

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					facility in its Billerica, Massachusetts corporate headquarters to meet anticipated demand for both current and next-generation fuel cell engines, with the latter expected to predominate after commercial launch in 2024. Nuvera intends to improve and expand the product testing and production processes and capabilities of its current fuel cell stack and engine product line. These initiatives include expanding its clean assembly room, expanding manufacturing floor space and equipment, and developing in-source capabilities of key components (MEAs, gas diffusion layers, and flowfields). Nuvera intends to design

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					<p>and build an innovative pilot-scale production line for the assembly and testing of next-gen stacks. The new stack architecture has been designed with fewer and more rigid repeating components to reduce material variance and handling and enable automated processing, while facilitating disassembly, refurbishment, and recycling.</p>
Prolec GE USA LLC	\$7,980,000	Grid Components and Modernization	Shreveport	Louisiana	<p>Prolec GE USA is expanding its Shreveport, LA facility to manufacture substation and pad-mount electrical transformers used in wind farms, solar parks and other industrial and renewable energy applications, investing in state-</p>

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Prysmian	\$3,885,000	Grid Components and Modernization	Williamsport	Pennsylvania	<p>of-the-art manufacturing equipment and the installation of a third production line that will help ease U.S. transformer supply chain concerns. Additional investment dollars are being used to upgrade the existing 500,000 square foot facility and infrastructure to increase Prolec GE's efficiencies and reduce waste while providing a better work environment and accommodating capacity increases for its traditional voltage regulator and network transformer customers.</p> <p>Prysmian's qualifying advanced energy project involves equipping and expanding an existing manufacturing</p>

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					<p>facility in Williamsport, Pennsylvania, to facilitate the increased production of advanced transmission conductors utilizing Prysmian's innovative E3X Technology. The facility expansion will enable Prysmian to manufacture larger E3X Conductors more efficiently and quickly, doubling the capacity of E3x coated conductor production and supporting advancements in power transmission. Prysmian's strategy aligns with the main market drivers by developing resilient, high-performing, sustainable, and innovative cable systems for the transmission, power grid, electricity and digital solutions segments.</p>

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Siemens Energy, Inc.	\$18,311,501	Grid Components and Modernization	Charlotte	North Carolina	Siemens Energy will address the transformer shortage by building its first Large Power Transformer (LPT) manufacturing facility in the United States. 80% of LPTs, which are the backbone of America's power grid, currently are made outside of the U.S. and this \$150M investment will address the critical need for more LPT domestic manufacturing, strengthen the U.S. supply chain, enable a more resilient grid, and accelerate the energy transition.
SOLARCYCLE, Inc.	\$64,193,389	Clean Energy and Clean Vehicle Manufacturing	Cedartown	Georgia	SOLARCYCLE is investing in a state-of-the-art \$344 million glass plant in Cedartown, Georgia. This new facility will create some of the cleanest solar glass

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					<p>in the world by using recycled glass from retired solar systems as an input. Compared to imported solar glass, our product will reduce trade risk, increase innovation, and create benefits for the domestic economy. With support from the Department of Energy, Internal Revenue Service, and the State of Georgia, our advanced process will produce 1,000 metric tons per day (MTD) of rolled, patterned solar glass - enough for 5-6 gigawatts (GW) of annual solar module manufacturing capacity -while creating 600 full time jobs in clean energy manufacturing. SOLARCYCLE's proprietary technology can</p>

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					<p>recycle up to 95% of the value of a solar panel and produce materials like silver, silicon, copper, and aluminum. Founded by experts in solar manufacturing, e-waste recovery, and sustainability, we have partnered with over 50 of the largest solar asset owners to provide recycling services. This project will help create a circular economy for solar and renewable energy in the U.S.</p>
Topsoe SOEC Production US Inc	\$135,900,000	Clean Energy and Clean Vehicle Manufacturing	Chester	Virginia	<p>Topsoe is planning a state-of the art factory in Chesterfield, Virginia, that will manufacture Solid Oxide Electrolyzer Cell stacks (SOEC), the key element to the world's most efficient electrolyzer technology. The cells will be used to</p>

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TS Conductor Corp	\$35,707,425	Grid Components and Modernization	Indiantown	Florida	<p>produce clean hydrogen, which is essential for the US and global energy transition. The factory is expected to create at least 150 direct jobs in Virginia and more than 1,000 indirect jobs through the value chain.</p> <p>TS Conductor has been awarded up to \$36 million through the 48C program to help establish a clean energy manufacturing facility in Indiantown, Florida. The facility will manufacture the Total Solution Conductor (TSC), a high-performance electrical transmission distribution conductor that will drastically reduce greenhouse gas emissions. The eligible facility, known as the Carbon Composite</p>

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					<p>Conductor Florida Expansion (CCCFE), will be located on the site of the Indiantown Cogeneration Plant. The project will meet prevailing wage and apprenticeship requirements and expand opportunities for workers impacted by the energy transition away from coal and fossil fuel-based industries. TS Conductor Corp. is a Minority Owned Business that manufactures advanced high-capacity conductors that can triple power grid capacity without retrofitting any structures in existing right of way and reduce line loss by half. It also facilitates new transmission line construction with the least capital</p>

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Twelve Benefit Corporation	\$28,500,000	Industrial Decarbonization	Alameda	California	<p>expenditure among all conductor options. Deployed nationwide, TSC would reduce energy generation GHG emissions from line-loss by approximately 60 million metric tons per year (Mt yr) or 1.2% of all U.S. GHG emissions. Even more impactful, further deployment would increase capacity of existing grid infrastructure to support 100% of the solar and wind generation projects currently seeking grid interconnection.</p> <p>Through this project, Twelve will design, construct, and deploy a manufacturing facility for its core technology, the Opus CO2 electrolyzers, in Alameda, CA, establishing ourselves as the</p>

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					<p>world's largest manufacturer of PEM CO2 electrolyzers. This project will continue to grow the carbon transformation industry, potentially enabling thousands of new jobs across a growing clean energy manufacturing industry. The Opus units manufactured from this site will be used at other Twelve projects to produce power-to-liquid (PtL) sustainable aviation fuel (SAF) and other value-added chemicals, supporting the Administration's ambitious decarbonization goals and enabling the scale needed to compete with petroleum-based products produced in the US.</p>

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Voith Hydro Inc.	\$5,826,254	Clean Energy and Clean Vehicle Manufacturing	York	Pennsylvania	<p>Voith will re-equip its existing 220,000 square foot hydropower manufacturing facility located at 760 East Berlin Road, in York, Pennsylvania with new, state-of-the-art manufacturing equipment, including an AP 120 TM Vertical Turning Lathe and a Horizontal Boring and Milling Machine. These new machines offer increased production capacity, improved product quality, reduced downtime, and, most importantly, enhanced worker safety for the manufacturing of hydropower and pumped storage hydropower components. The project will support retention of about 100 skilled and apprentice welders,</p>

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Wallbox	\$5,248,910	Clean Energy and Clean Vehicle Manufacturing	Arlington	Texas	<p>machinists and other crafts from the IAMAW union workforce as well as creating several addition positions for operation and maintenance of the new equipment. The project construction draws from local construction firms and other small and local businesses for construction services and materials.</p> <p>Wallbox, a global EV charging solutions provider, sets to expand its flagship US manufacturing facility in Arlington, Texas, with support of the 48C tax credit, equipping the 150,000-square-foot facility with multiple new EVSE assembly lines and a validation lab for its suite of EV charging solutions designed</p>

Organization Name	Credit Allocation	Project Topic	Project City	Project State	Company Provided Project Description:
X Energy, LLC	\$148,500,000	Clean Energy and Clean Vehicle Manufacturing	Oak Ridge	Tennessee	<p>exclusively for the North American market-including the Quasar 2 bidirectional charger and best-in-class DC fast chargers, like the new 180 kW Supernova DCFC. Upon project completion, the Arlington facility is expected to be the production home for all Wallbox products sold in the US, each designed to help underpin the transition to EVs and support US clean infrastructure goals, with a projected maximum production capacity of more than 1 million chargers per year by 2030.</p> <p>X-energy's TRISO-X company manufactures TRi-structural ISOtropic (TRISO) coated-particle fuel; each particle consists of</p>

Organization Name	Credit Allocation	Project Topic	Project City	Project State	Company Provided Project Description:
					<p>a uranium, carbon and oxygen fuel kernel encapsulated in three layers of carbon or ceramic materials which prevent the release of radioactive fission products. DOE has demonstrated TRISO's outstanding performance and thereby reduced the risk for industrial use. TRISO-X, using commercial scale equipment at a pilot facility, optimized fuel fabrication processes to generate kernels and TRISO particles with less waste and scrap and higher delivered throughput that provides higher product yield and quality. Our project will construct a new ~215,000 sq ft facility to process uranium enriched to less than 20%</p>

Organization Name	Credit Allocation	Project Topic	Project City	Project State	Company Provided Project Description:
					<p>uranium-235 (by weight) to manufacture nuclear fuel products, including TRISO pebbles for X-energy's Xe-100 reactors as well as TRISO particles and compacts for other users. The TX-1 will produce ~714,000 Xe-100 pebbles/year. The TX-1 will be built on the 110-acre TRISO-X Campus located in the Horizon Center Industrial Park (Roane County, TN), ~7 miles southwest of the City of Oak Ridge. In 1996, DOE released this land for development of this industrial park to diversify the economic base of the region. Oak Ridge transferred the property to X-energy in 2022 to establish the TRISO-X Campus.</p>

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