

OMB No. 1910-5179 Expiration 2024

## Intro

This communication is being made on behalf of the **Department of Energy (DOE)**. We are conducting a national survey about the energy, energy-related, and advanced manufacturing industries. This important survey addresses businesses that research, develop, manufacture, install, or work with products that generate, distribute, or save energy. This includes organizations involved in fossil and renewable energy production, energy efficiency products and services, motor vehicles, solar, wind, fossil, other energy sources, and energy-related products and services.

Your individual responses will **not** be published; only aggregated information will be used in reporting the survey results.

The survey is **voluntary** and can take up to 45 minutes (including any necessary preparation) of your time. Your participation will help determine how investments of time and money should be made to support the industry and prepare the present and future labor pool.

## Paperwork Reduction Act Burden Disclosure Statement

This data is being collected to allow energy-related employment to be assigned by primary value chain activity, including: research and development; manufacturing; sales and distribution; installation, repair and maintenance; and professional services. It will also provide insight on workforce demographics and employers' ability to recruit qualified workers.

The data you supply will be used by industry, training organizations, community colleges, job seekers, federal agencies and other stakeholders, to better inform the workforce development system by highlighting changes in the industry that are driving demand for workers. The data will also inform energy economic development planning activities at the local, state and regional levels by providing a more detailed assessment of energy jobs, as well as the changing energy landscape and how such changes influence labor markets.

Public reporting burden for this collection of information is estimated to up to 45 minutes, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Enterprise Policy Development & Implementation Office, IM-22, Paperwork Reduction Project OMB Control Number 1910-5179, U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC, 20585-1290; and to the Office of Management and Budget (OMB), OIRA, Paperwork Reduction Project OMB Control Number 1910-5179, Washington, DC 20503.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB control number.

Submission of this data is voluntary.

Does your organization have at least one location with employees in the United States? (Please
count yourself as an employee if you are an owner-operated business or sole proprietor).

O Yes

No

## Zip

For this survey, please only answer for your current business location. If your organization has other U.S. locations, please do not include their data. What is the zip code of your current location?

Enter zip code:

Refused

## SB

Is your organization involved, in whole or part, with an activity related to energy, energy efficiency, or motor vehicles?

We define this as being directly involved with researching, developing, producing, manufacturing, distributing, selling, implementing, installing, or repairing components, goods or services related to Electric Power Generation; Electric Power Transmission, Distribution, and Storage; Energy

Efficiency, including Heating, Cooling and Building Envelope; Fuels, including Extraction, Processing, Production, and Distribution; and Transportation, including Motor Vehicles. This also
includes supporting services such as consulting, finance, tax, and legal services related to energy.
O Yes
O No
O Not sure
sc
Which of the following industries describe your organization's work? If your organization is involved in energy research or professional services for the industry, please select the options that are most relevant to your organization.
(Multiple responses permitted)
Electric power generation (the process of generating electric power from other sources of primary energy whether connected to a distribution grid or not)
■ Electric power transmission and distribution, including electric vehicle charging (carries electricity from suppliers to demand sites)
☐ Storage, including fuel storage and electric vehicle batteries (stores energy)
■ Energy efficiency, including heating, cooling and building envelope (includes thermal or hot water solar) (goods and services that reduce electricity demand pursuant to EPA's Energy Star Standards or Department of Energy Efficiency Standards or refers to establishments that are involved with heating, ventilation and air conditioning (HVAC) from Renewable Energy sources or work that increases the Energy Efficiency of HVAC systems)
☐ Fuels (substances that produce useful energy when they undergo a chemical or nuclear reaction)
Transportation vehicles, including motor vehicles (includes fossil and non-fossil fuel related rail, aircraft, vessels, and vehicles)
Component parts for transportation vehicles (parts for fossil and non-fossil fuel related rail, aircraft, vessels, and vehicles)
Carbon capture and storage
■ None of the above
☐ Don't know/ Refused
SD

	ich do you consider your organization's <b>primary</b> industry, based on the majority of labor hours formed at your location?			
0	<b>Electric power generation</b> (the process of generating electric power from other sources of primary energy whether connected to a distribution grid or not)			
0	Electric power transmission and distribution, including electric vehicle charging (carries electricity from suppliers to demand sites)			
0	Storage, including fuel storage and electric vehicle batteries (stores energy)			
0	Energy efficiency, including heating, cooling and building envelope (includes thermal or hot water solar) (goods and services that reduce electricity demand pursuant to EPA's Energy Star Standards or Department of Energy Efficiency Standards or refers to establishments that are involved with heating, ventilation and air conditioning (HVAC) from Renewable Energy sources or work that increases the Energy Efficiency of HVAC systems)			
0	Fuels (substances that produce useful energy when they undergo a chemical or nuclear reaction)			
0	<b>Transportation vehicles, including motor vehicles</b> (includes fossil and non-fossil fuel related rail, aircraft, vessels, and vehicles)			
0	Component parts for transportation vehicles (parts for fossil and non-fossil fuel related rail, aircraft, vessels, and vehicles)			
0	Carbon capture and storage			
SE	A			
	ich of the following <b>electric power generation</b> technologies is your organization directly gaged with?			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly jaged with?			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly paged with?  lect all that apply)			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation			
Wh eng	ich of the following <b>electric power generation</b> technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation  Advanced/low emission natural gas			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation  Advanced/low emission natural gas  Offshore wind generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation  Advanced/low emission natural gas  Offshore wind generation  Nuclear generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power Oil and other petroleum generation Advanced/low emission natural gas Offshore wind generation Nuclear generation Solar photovoltaic electric generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power Oil and other petroleum generation Advanced/low emission natural gas Offshore wind generation Nuclear generation Solar photovoltaic electric generation Geothermal generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power Oil and other petroleum generation Advanced/low emission natural gas Offshore wind generation Nuclear generation Solar photovoltaic electric generation Geothermal generation Bioenergy/biomass generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation  Advanced/low emission natural gas  Offshore wind generation  Nuclear generation  Solar photovoltaic electric generation  Geothermal generation  Bioenergy/biomass generation  Concentrated solar electric generation			
Wh eng	ich of the following electric power generation technologies is your organization directly gaged with?  lect all that apply)  Combined heat and power  Oil and other petroleum generation  Advanced/low emission natural gas  Offshore wind generation  Nuclear generation  Solar photovoltaic electric generation  Geothermal generation  Bioenergy/biomass generation  Concentrated solar electric generation including wave/kinetic generation			

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	Other generation (Specify)
☐ Natural	gas generation
SEB	
Mhich of t	he following alectric news transmission and distribution technologies is your
	he following <b>electric power transmission and distribution</b> technologies is your on directly engaged with?
organizati.	on an early engaged war:
Select all	that apply)
<b>—</b> —	
	vehicle charging stations
Smart o	
☐ Traditio	onal transmission and distribution
<b>U</b>	Other grid modernization (Specify)
	Other (Specify)
☐ Micro g	yrids
SEC  Which of t	he following <b>storage</b> technologies is your organization directly engaged with?
/O - I t - II	Alanda a marka N
Select all	that apply)
Crude o	lic
Nuclea	r fuel
Therma	al storage
Coal st	orage (piles, domes, etc.)
Mechar	nical storage (flywheels, compressed air energy storage, etc.)
■ Battery	storage, including electric vehicle batteries or storage for solar generation
Liquefie	ed natural gas
Refined	d petroleum fuels (gas)
☐ Compre	essed natural gas
Pumpe	d hydro-power storage
Refined	d petroleum fuels (liquid)
■ Biofuels	s, including ethanol and biodiesel

	Other gas fuel (Specify)
	Other liquid fuel (Specify)
	Other storage (Specify)
	Other (Specify)
What type of <b>battery storag</b>	ge do you work with?
(Select all that apply)	
Lead-based batteries	
Lithium batteries	
☐ Vanadium redox flow batterie	es es
	Other solid-electrode batteries (Specify)
	Other flow batteries (Specify)
What is the application of yo	our <b>battery storage</b> work?
, ,	
(Select all that apply)	
Front-of-meter (electric grid)	
Consumer devices	
☐ Behin-the-meter (buildings o	r industrial facilities)
☐ Vehicles or other transportat	ion
	Other (Specify)
SED	
Which of the following energ	gy efficiency, including heating, cooling and building envelope
technologies is your organiz	ation directly engaged with?
(Select all that apply)	
	fina
■ ENERGY STAR certified roo	iing

Qualtrics Survey Software

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ENERGY STAR certified windows, doors and skylights
■ ENERGY STAR certified heating, ventilation, and cooling (HVAC), except air-source and ground-source heat pumps
■ ENERGY STAR certified electronics (TVs, telephones, audio/video, etc.)
☐ Traditional HVAC goods, control systems, and services
■ ENERGY STAR certified water heaters
■ ENERGY STAR® certified appliances (not including HVAC)
Other high efficiency HVAC that are out of scope for ENERGY STAR certification (e.g. indirect evaporative coolers, air to water heat pumps, energy recovery systems, etc.)
■ ENERGY STAR certified insulation
☐ Air sealing
■ ENERGY STAR certified commercial food service equipment
■ ENERGY STAR certified data center equipment
■ ENERGY STAR certified LED lighting
Other LED, CFL, and efficient lighting
Solar thermal water heating and cooling
Other renewable heating and cooling (geothermal, biomass, heat pumps, etc.)
Advanced building materials/insulation
Recycled building materials
Reduced water consumption products and appliances
☐ Energy auditing services
Other (Specify)
SEE
Which of the following <b>fuels</b> technologies is your organization directly engaged with?
(Select all that apply)
☐ Woody biomass/cellulosic biofuel
Other biofuels
Onshore petroleum, including gasoline and diesel
☐ Coal
Corn ethanol
Other fossil fuel
Onshore natural gas
□ Nuclear fuel
Other ethanol/non-woody biomass

SEG
Which of the following <b>component parts for transportation vehicles</b> technologies is your organization directly engaged with?
(Select all that apply)
Transportation vehicle exhaust system parts
☐ Transportation vehicle engine & drive parts
Transportation vehicle body parts  Other transportation vehicle parts (Specify)
Other transportation vehicle parts (Specify)
SEPrime
our filline
Which of the following technologies is your organization <b>PRIMARILY</b> engaged with?
Solar photovoltaic electric generation
Concentrated solar electric generation
Cand-based wind generation
Offshore wind generation
Geothermal generation
O Bioenergy/biomass generation
Low-impact hydroelectric generation including wave/kinetic generation
Traditional hydroelectric generation
Advanced/low emission natural gas
Nuclear generation
Coal generation
Oil and other petroleum generation
Natural gas generation
Combined heat and power
\$\{\q://QID17/ChoiceTextEntryValue/14\}
Traditional transmission and distribution
O Migro gride
<ul><li>Micro grids</li><li>Electric vehicle charging stations</li></ul>
C Electric verified charging stations

O	\${q://QID18/ChoiceTextEntryValue/4}
0	\${q://QID18/ChoiceTextEntryValue/5}
0	Pumped hydro-power storage
0	Battery storage, including electric vehicle batteries or storage for solar generation
0	Mechanical storage (flywheels, compressed air energy storage, etc.)
0	Thermal storage
0	Liquefied natural gas storage
0	Compressed natural gas storage
0	Crude oil storage
0	Refined petroleum fuels (liquid) storage
0	Refined petroleum fuels (gas) storage
0	Coal storage (piles, domes, etc.)
0	Biofuels, including ethanol and biodiesel storage
0	Nuclear fuel storage
0	\${q://QID19/ChoiceTextEntryValue/13}
0	\${q://QID19/ChoiceTextEntryValue/14}
0	\${q://QID19/ChoiceTextEntryValue/15}
0	\${q://QID19/ChoiceTextEntryValue/16}
0	ENERGY STAR® certified appliances (not including HVAC)
0	ENERGY STAR certified heating, ventilation, and cooling (HVAC)
0	Other high efficiency HVAC that are out of scope for ENERGY STAR certification (e.g. indirect evaporative coolers, air to water heat pumps, energy recovery systems, etc.)
0	Traditional HVAC goods, control systems, and services
0	ENERGY STAR certified water heaters
0	ENERGY STAR certified electronics (TVs, telephones, audio/video, etc.)
0	ENERGY STAR certified windows, doors and skylights
0	ENERGY STAR certified roofing
0	ENERGY STAR certified insulation
0	Air sealing
0	ENERGY STAR certified commercial food service equipment
0	ENERGY STAR certified data center equipment
0	ENERGY STAR certified LED lighting
0	Other LED, CFL, and efficient lighting
0	Solar thermal water heating and cooling
0	Other renewable heating and cooling (geothermal, biomass, heat pumps, etc.)
0	Advanced building materials/insulation
0	Recycled building materials
0	Reduced water consumption products and appliances
$\bigcirc$	\${a://QID22/ChoiceTextEntryValue/20}

Q1-Q8	
For this survey, we will just be asking about the ercurrent location.	nployees that work from or directly report to your
Including all full-time and part-time employees, ho your current location?	w many <b>permanent</b> employees work at or from
Record # of employees	
Based on \${q://QID30/ChoiceTextEntryValue/1} your location, how many employees do you expec	
Record # of employees	
your current location and you expect to have \${q: employees 12 months from now.	
current location, how many of these workers suppose that your response should include administrational business.	
Record # of employees	
Of your \${q://QID34/ChoiceTextEntryValue/1} end field), please classify them into the area where the months. Please count each employee only once.	ey spent most of their time over the last 12
In-state within your region/metropolitan area (Record # of employees)	
In-state outside your region/metropolitan area (Record # of employees)	
Out-of-state (Record # of employees)	

How many full-time and part-time <b>permane</b> location 12 months ago that supported the		-	•
Record # of employees			
Based on \${q://QID34/ChoiceTextEntryVayour location that support the energy portion to have at your location 12 months from no	on of your busin	ess, how many	employees do you expect
Record # of employees			
Just to confirm, you currently have \${q://Qi your current location that support the energy have \${q://QID37/ChoiceTextEntryValue/of the business 12 months from now.  If this is incorrect, please return to the previous property of the previous pre	gy portion of yo <b>1}</b> permanent e	ur business and mployees that	d you expect to support the energy portion
Thinking of your <b>\${q://QID34/ChoiceTextE</b> least 50% of their time supporting the energian street that the supporting that the support that	-		es, how many spend at
Record # of employees			
Thinking of your <b>\${q://QID34/ChoiceTextE</b> their time supporting the energy portion of		nergy employe	es, how many spend all of
Record # of employees			
Q9			
Thinking of your <b>\${q://QID34/ChoiceTextE</b> them in the following categories. Please coarea where they spend the most time.			
Electric power generation			
Electric power transmission and distribution			
Storage			

Land-based wind generation

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Offshore wind generation		
Geothermal generation		
Bioenergy/biomass generation		
Low-impact hydroelectric generation including wave/kinetic generation		
Traditional hydroelectric generation		
Advanced/low emission natural gas		
Nuclear generation		
Coal generation		
Oil and other petroleum generation		
Natural gas generation		
Combined heat and power		
\${q://QID17/ChoiceTextEntryValue/14}		
and categorize them in the technology area where Traditional transmission and distribution Smart grid Micro grids	tney spend t	tne most time.
Electric vehicle charging stations		
\${q://QID18/ChoiceTextEntryValue/4}		
\${q://QID18/ChoiceTextEntryValue/5}		
——————————————————————————————————————		
Thinking of your \${e://Field/Q9_3} storage worke following categories. Please count each employed area where they spend the most time.		
		and odlogonize them in the teermolog
Pumped hydro-power storage		ind sategorize them in the teemiolog
Pumped hydro-power storage Battery storage, including electric vehicle batteries or storage for solar generation Mechanical storage (flywheels, compressed air energy		and outogonize them in the teemiolog

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Thermal storage	
Liquefied natural gas	
Compressed natural gas	
Crude oil	
Refined petroleum fuels (liquid)	
Refined petroleum fuels (gas)	
Coal storage (piles, domes, etc.)	
Biofuels, including ethanol and biodiesel	
Nuclear fuel	
\${q://QID19/ChoiceTextEntryValue/13}	
\${q://QID19/ChoiceTextEntryValue/14}	
\${q://QID19/ChoiceTextEntryValue/15}	
\${q://QID19/ChoiceTextEntryValue/16}	
battery storage application category where	ount each employee only once and categorize them in the they spend the most time.
Consumer devices	
Vehicles or other transportation	
Buildings or industrial facilities	
Electric grid	
\${q://QID137/ChoiceTextEntryValue/5}	
Q15	
	efficiency, including heating, cooling and building
	classify them in the following categories. Please cour them in the technology area where they spend the mos
ENERGY STAR® certified appliances (not including	

ENERGY STAR certified heating, ventilation, and cooling (HVAC)		
Other high efficiency HVAC that are out of scope for ENERGY STAR certification (e.g. indirect evaporative coolers, air to water heat pumps, energy recovery systems, etc.)		
Traditional HVAC goods, control systems, and services		
ENERGY STAR certified water heaters		
ENERGY STAR certified electronics (TVs, telephones, audio/video, etc.)		
ENERGY STAR certified windows, doors and skylights		
ENERGY STAR certified roofing		
ENERGY STAR certified insulation		
Air sealing		
ENERGY STAR certified commercial food service equipment		
ENERGY STAR certified data center equipment		
ENERGY STAR certified LED lighting		
Other LED, CFL, and efficient lighting		
Solar thermal water heating and cooling		
Other renewable heating and cooling (geothermal, biomass, heat pumps, etc.)		
Advanced building materials/insulation		
Recycled building materials		
Reduced water consumption products and appliances		
\${q://QID22/ChoiceTextEntryValue/20}		
Q16		
Thinking of your <b>\${e://Field/Q9_5} fuels</b> -related we following categories. Please count each employed area where they spend the most time.	•	•
Coal		
Onshore petroleum, including gasoline and diesel		
Offshore petroleum, including gasoline and diesel		
Onshore natural gas		
Offshore natural gas		
Other fossil fuel		

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Corn ethanol	
Renewable diesel	
Biodiesel	
Other ethanol/non-woody biomass	
Woody biomass/cellulosic biofuel	
Waste fuels	
Other biofuels	
Nuclear fuel	
\${q://QID23/ChoiceTextEntryValue/10}	
Thinking of your \${e://Field/Q8_6} transportation	on vehicles, including motor vehicles-related
workers at your location, please classify them in	the following categories. Please count each
employee only once and categorize them in the	technology area where they spend the most time.
Gasoline and diesel motor vehicles (excluding freight transport)	
Hybrid electric vehicles	
Plug-in hybrid vehicles	
Electric vehicles	
Natural gas vehicles	
Hydrogen vehicles	
Fuel cell vehicles	
\${q://QID24/ChoiceTextEntryValue/8}	
Q18	
	rtation vehicles-related workers at your location,
please classify them in the following categories.	, ,
categorize them in the technology area where the	ney spend the most time.
Transportation vehicle engine & drive parts	
Transportation vehicle exhaust system parts	
Transportation vehicle hody parts	

White (Record # of employees)

Two or more races (Record # of employees)

Refused	
•	sional positions ( <i>does not includ</i> e those supervisors that spend a eat project sites or sales managers)
0	Record # of employees
Refused	
Sales positions (incl	udes cost estimators, sales representatives and sales managers)
0	Record # of employees
Refused	
Other	
	Specify
	Record # of employees
Refused	
How many energy wor replace former workers	kers have you hired over the last 12 months, either for new positions or to s?
Record #:	
Thinking of the \${q://C	QID62/ChoiceTextEntryValue/1} energy workers that you have hired at your

_	10:29 AM Somewhat difficult	Qualtrics Survey Software
	Not at all difficult	
	Don't know/ Refused	
	Don't know Notacea	
Wha	at are the two most significa	t reasons for the reported difficulty?
#1		
#2		
Plea	ase provide the two most dif	cult positions for your organization to fill at your location.
#1		
#2		
Wei	re newly created positions	Record # of employees
0	Refused	
Wer	re existing employees tha	added energy responsibilities?
0		Record # of employees
0	Refused	
Wer	re hired to replace worker	due to turnover or retirement?
0		Record # of employees
0	Refused	Record # of employees
0	Refused	Record # of employees

O Yes

12/17/21, 10:29 AM Qualtrics Survey Software You reported \${q://QID62/ChoiceTextEntryValue/1} additional energy workers at your organization over the last 12 months.Of these \${q://QID62/ChoiceTextEntryValue/1} positions, how many: Were positions that required previous work experience related to the position? Record # of employees Refused Required a bachelor's degree or beyond? Record # of employees Refused Required an associate degree or academic certificate from an accredited college, but not a bachelor's degree? Record # of employees Refused Required a vocational or technical postsecondary certificate or credential? Record # of employees Refused Are represented by a union, collective bargaining agreement, or a project labor agreement? Record # of employees Refused Does your firm have a formal or informal mentorship/sponsorship program?

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O No	
O Don't know/ Refused	
Briefly describe the mentorsh	nip/sponsorship program.
Has your firm adopted any sp female hires?	pecific strategies, policies, or programs to increase the number of
O Yes	
O No	
O Don't know/ Refused	
Briefly describe the strategies	s, policies, or programs to increase female hires.
Has your firm adopted any sp or racial minority hires?	pecific strategies, policies, or programs to increase the number of ethni
O Yes	
O No	
O Don't know/ Refused	
Briefly describe the strategies	s, policies, or programs to increase minority hires.
Has your firm adopted any sp LGBTQ+ hires?	pecific strategies, policies, or programs to increase the number of
O Yes	
O No	

Briefly describe the strateo	gies, policies, or pro	ograms to increa	se LGBTQ+ hires.	
Does your firm offer or req		/or inclusion trai	ining program aimed a	t advocating
O Yes O No O Don't know/ Refused				
Q38-Q40	otoro that many conti	wih uto to difficult	v graving a profitable.	ausinasa Di
The following is a list of factate the significance of eact		ribute to difficult Somewhat	y growing a profitable i	Don't know
	Very significant	significant	Not at all significant	Refused
Door damand	$\cap$			1101000
	0	0	0	0
Policy challenges	0	0	0	0
Policy challenges Lack of capital	0	0	0	0 0 0
Policy challenges Lack of capital Cost or supply of materials	0	0	0	0 0 0
Policy challenges Lack of capital Cost or supply of materials Permitting delays	0 0 0	0 0	0	O O O O
Poor demand Policy challenges Lack of capital Cost or supply of materials Permitting delays Interconnection delays Lack of qualified talent	0	0	0	0 0 0
Policy challenges  Lack of capital  Cost or supply of materials  Permitting delays  Interconnection delays  Lack of qualified talent  Thinking about your organ supply chain purchases (in Cuse whole numbers to income	O O O O nization's energy rela	O O O O ated suppliers a	O O O O ond vendors, what perc	0 0 0 0 0
Policy challenges Lack of capital Cost or supply of materials Permitting delays Interconnection delays	O O O O o ization's energy related to the control of the control o	O O O O ated suppliers a	O O O O ond vendors, what perc	O O O O O

Which countries are your energy related suppliers and vendors located in?			
Thinking about your organization's energy related customers, what percent are located:			
(Use whole numbers to indicate percentages, i.e. 20% = 20. Enter zero (0) if none)			
In-state (Enter %)			
In a bordering state but out of state (Enter %)			
In the United States, but outside of a bordering state (Enter %)			
Outside of the United States (Enter %)			
Which countries are your energy related customers	s located in?		
Q41-43			
Can you name any specific rebates or incentives that can reduce the cost of selling, distributing or installing energy for your customers?			
Approximately how much of your organization's wo revenue, is related to energy?	ork at your cu	urrent location, in terms of total gross	
Record \$:			
Approximately how much of your organization's wo revenue, is related to each of the following product represent percentages, for example 30 = 30%)	-	_	

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(Answers should sum to 100%)

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Solar photovoltaic electric generation		
Concentrated solar electric generation		
Land-based wind generation		
Offshore wind generation		
Geothermal generation		
Bioenergy/biomass generation		
Low-impact hydroelectric generation including wave/kinetic generation		
Traditional hydroelectric generation		
Advanced/low emission natural gas		
Nuclear generation		
Coal generation		
Oil and other petroleum generation		
Natural gas generation		
Combined heat and power		
\${q://QID17/ChoiceTextEntryValue/14}		
Traditional transmission and distribution		
Smart grid		
Micro grids		
Electric vehicle charging stations		
\${q://QID18/ChoiceTextEntryValue/4}		
\${q://QID18/ChoiceTextEntryValue/5}		
Pumped hydro-power storage		
Battery storage, including electric vehicle batteries or storage for solar generation		
Mechanical storage (flywheels, compressed air energy storage, etc.)		
Thermal storage		
Liquefied natural gas storage		
Compressed natural gas storage		
Crude oil storage		
Refined petroleum fuels (liquid) storage		
Refined petroleum fuels (gas) storage		
Coal storage (piles, domes, etc.)		
Biofuels, including ethanol and biodiesel storage		
Nuclear fuel storage		

\${q://QID19/ChoiceTextEntryValue/13}	
\${q://QID19/ChoiceTextEntryValue/14}	
\${q://QID19/ChoiceTextEntryValue/15}	
\${q://QID19/ChoiceTextEntryValue/16}	
ENERGY STAR® certified appliances (not including HVAC)	
ENERGY STAR certified heating, ventilation, and cooling (HVAC)	
Other high efficiency HVAC that are out of scope for ENERGY STAR certification (e.g. indirect evaporative coolers, air to water heat pumps, energy recovery systems, etc.)	
Traditional HVAC goods, control systems, and services	
ENERGY STAR certified water heaters	
ENERGY STAR certified electronics (TVs, telephones, audio/video, etc.)	
ENERGY STAR certified windows, doors and skylights	
ENERGY STAR certified roofing	
ENERGY STAR certified insulation	
Air sealing	
ENERGY STAR certified commercial food service equipment	
ENERGY STAR certified data center equipment	
ENERGY STAR certified LED lighting	
Other LED, CFL, and efficient lighting	
Solar thermal water heating and cooling	
Other renewable heating and cooling (geothermal, biomass, heat pumps, etc.)	
Advanced building materials/insulation	
Recycled building materials	
Reduced water consumption products and appliances	
\${q://QID22/ChoiceTextEntryValue/20}	
Coal fuel	
Onshore petroleum fuel, including gasoline and diesel	
Offshore petroleum fuel, including gasoline and diesel	
Onshore natural gas fuel	
Offshore natural gas fuel	
Other fossil fuels	
Corn ethanol fuel	

	•	
Renewable diesel fuel		]
Biodiesel		
Other ethanol/non-woody biomass		
Woody biomass/cellulosic biofuel		
Waste fuels		
Other biofuels		
Nuclear fuel		
\${q://QID23/ChoiceTextEntryValue/10}		
Gasoline and diesel motor vehicles (excluding freight transport)		
Hybrid electric vehicles		
Plug-in hybrid vehicles		]
Electric vehicles		
Natural gas vehicles		
Hydrogen vehicles		
Fuel cell vehicles		
\${q://QID24/ChoiceTextEntryValue/8}		
Transportation vehicle engine & drive parts		
Transportation vehicle exhaust system parts		
Transportation vehicle body parts		]
\${q://QID25/ChoiceTextEntryValue/4}		
Q44-cont		
Q44-COIII		
		-
With which of the following types of transportati	on vehicles does your firm	orimarily design,
manufacture, sell, repair, or otherwise work with	n?	

- Automobiles
- O Light duty vehicles
- O Heavy duty vehicles
- O Industrial vehicles, such as forklifts
- O Recreational vehicles, such as golf carts
- O Rail

Gasoline and diesel motor vehicles (excluding freight transport)

Other (Specify)

Natural gas vehicles

Phone

2/17/21, 10:29 AM	Qualtrics Survey Software	
Email		
Organization Name		
Organization Address		
Organization City		
Organization State		
Organization Zip		