

# KEY ENERGY 2020 TRADE SECTORS LIST

## A - PHOTOVOLTAICS AND STORAGE

A001	Equipment, components for photovoltaics
A002	Solar trackers
A003	Photovoltaic plant installers
A004	Inverters
A005	Concentrator photovoltaic plants
A006	Thin-film photovoltaic modules
A007	Monocrystalline/polycrystalline/amorphous silicon photovoltaic modules
A008	Storage systems for renewable energy plants connected to the network
A009	Lamps and solar lighting
A010	Control systems/measurement interface/testing
A011	Integrated/hybrid photovoltaic systems
A012	BIPV: integrated photovoltaic
A013	Renewable mini grids for developing countries

## B - SOLAR HEATING/THERMODYNAMICS

B001	Solar boilers for sanitary hot water
B002	Solar-thermal collectors (flat, vacuum, non-glass, air)
B003	Control units
B004	Concentrating solar plants
B005	Control and management software

## C - WIND POWER

C001	Equipment, components and technologies for wind plants
C002	Mini wind plants
C003	Off-shore aerogenerator producers
C004	On-shore aerogenerator producers
C005	Producers of related civil works
C006	Control and management software

## D - HYDROELECTRIC

D001	Equipment, components and technologies for hydroelectric plants
D002	Hydroelectric plants
D003	Mini run-of-river hydroelectric plants
D004	Hydroelectric plant maintenance and restructuring
D005	Services

## E - GEOTHERMAL POWER

E001	Equipment and components for geothermal plants
E002	Closed-loop geothermal energy generation plants
E003	Drilling for geothermal wells
E004	Probes for geothermal wells

## F - HYDROGEN AND POWER TO GAS

F001	Automotive fuel cells
F002	Fuel cells for stationary use
F003	Electrolysis and reforming systems

## G - GENERATION PLANTS

G001	Cogeneration with fuel cells
G002	Cogeneration with gas microturbines
G003	Cogeneration and trigeneration plants
G004	Absorption refrigeration plants
G005	Mini and Micro cogeneration
G006	Diesel power stations and generators

## H - ENERGY SAVINGS AND EFFICIENCY/BUILDING

H001	Condensing boilers
H002	LED lighting
H003	Heat pumps
H004	High-efficiency electric and electronic products
H005	Occupancy sensors
H006	Heat recovery technologies
H007	E.S.CO. Energy Service Companies
H008	Prefabricated wooden houses

## I - ENERGY SAVINGS AND EFFICIENCY/INDUSTRY

I001	LED industrial lighting systems
I002	Audits and technical lighting retrofits of industrial buildings
I003	Systems to monitor energy consumption/smart meters
I004	Diagnostic systems with thermal cameras
I005	High-efficiency motors
I006	Recovery of waste processing heat
I007	Energy audit company (power and heat)

## J - SUSTAINABLE BUILDING

J001	Home automation
J002	Window fixtures with high thermal performance
J003	Insulation and thermal lining
J004	Building materials for bio-housing
J005	Design
J006	Services and tools for energy and acoustic diagnosis
J007	Systems and software for energy control and management
J008	Measurement and adjustment systems
J009	Green roofs

## K - SUSTAINABLE CITY

K001	Smart grid storage systems
K002	Charge management systems for intelligent networks
K003	ICT infrastructure for intelligent networks
K004	ICT and energy technology integration
K005	Sensors
K006	Efficient public lighting systems
K007	Devices for LED street lighting
K008	Devices for photovoltaic street lighting
K009	Urban regeneration projects
K010	Social housing
K011	Design of urban green areas and organic gardening
K012	Outdoor design.

## L - SUSTAINABLE MOBILITY

L001	Electric vehicles
L002	Extended autonomy electric vehicles
L003	Plug-in hybrid vehicles
L004	Electric fuel cell vehicles
L005	Electric motorcycles
L006	Batteries for electric vehicles
L007	Bike-sharing
L008	Car-sharing
L009	Car-pooling
L010	Sustainable mobility agencies
L011	Intelligent Transport Systems (ITS)
L012	Systems to manage and innovate local public transport
L013	Rail services
L014	Sound-absorbent barriers and road surfaces
L015	Innovative systems for payment, calls, parking management
L016	Charging stations for electric vehicles
L017	Methane and LPG vehicles
L018	Methane and LPG transformation kits
L019	Low emission buses
L020	Pedal assist bikes

## M - TRANSMISSION AND DISTRIBUTION OF ENERGY

M001	Accessories for transformers
M002	Distribution transformers and transformers for transportation of energy and accessories
M003	Electrical cabins and empty cabinets for control panels
M004	Electromechanical and electronic relays
M005	Second-generation electric meters

## N - ELECTRIC MOTORS

N001	IE2, IE3, IE4 electric motors
N002	Inverters

## O - ELECTROMECHANICAL COMPONENTS

O001	Electropumps
O002	Solenoid valves
O003	Sensors and probes

## P - ENERGY-CARBON TRADING AND SERVICES

P001	E.S.CO.es
P002	Electricity market manager
P003	Institutions and services for the CO2 market
P004	Zero emissions services
P005	Carbon trading and management services
P006	Monitoring and certification services
P007	Development of CDM JI projects

## Q - CONSULTANCY / SERVICES / COMMUNICATION

Q001	O&M: Management and maintenance service companies
Q002	EPC contracting
Q003	Drone monitoring of wind and photovoltaic plants
Q004	Remote support and control services

Q005 Environmental impact evaluation studios  
 Q006 Environmental and engineering consultancy firms  
 Q007 IT products and services  
 Q008 Certification and regulatory bodies  
 Q009 Monitoring and control bodies  
 Q010 Training and education bodies  
 Q011 Environmental communication  
 Q012 Public and private research institutions  
 Q013 Financial and insurance products and services  
 Q014 Publishing industry

## R - UTILITIES, TRADERS

R001 Generation of energy from renewable sources - PV - wind  
 R002 Electric utilities  
 R003 Gas utilities  
 R004 Water service utilities  
 R005 Measurement and control systems for production, management and distribution  
 R006 Traders

## S - DPE-TEMPORARY/STAND-BY POWER

S001 Accessories  
 S002 Alternators  
 S003 Anti-Corrosion  
 S004 Auto Transfer Switch Control Modules  
 S005 Canopy Manufacturers  
 S006 Compressors  
 S007 Diesel Engines  
 S008 Electric Motors  
 S009 Exhausts  
 S010 Filters and Filtration Equipment  
 S011 Fuel conditioning systems  
 S012 Gas Engines  
 S013 Generators - Gensets  
 S014 Insulators  
 S015 Manual & Auto Start Control Modules  
 S016 Mobile Generators  
 S017 Oil conditioning systems  
 S018 Power Control & Regulation Equipment for Generators & Motor  
 S019 Power Rental  
 S020 Silencers  
 S021 Steam Vents  
 S022 Vibration Equipment

## T - DPE-TRANSFORMERS

T001 Distribution Transformers  
 T002 Instrument Transformers - Current & Voltage  
 T003 Machines for Core Stacking Solutions / Systems

T004 Machines for Corrugated Fin Panel Production Lines  
 T005 Machines for the Production of Distribution Transformers  
 T006 Machines for the Production of Power Transformers  
 T007 Package Transformer Substations  
 T008 Power Transformers  
 T009 Rectifier Transformers  
 T010 Transformer Oil  
 T011 Vertical Winding Machines

## U - DPE-SWITCHGEAR AND CONTROLS

U001 Bus Bar Systems  
 U002 Capacitor Banks  
 U003 Capacitors  
 U004 Circuit Breakers  
 U005 Electronics  
 U006 Enclosures  
 U007 Fuses & Fuse gear  
 U008 Harmonic Filters  
 U009 Power Factor Correction Units  
 U010 Switchboards  
 U011 Switches  
 U012 Switchgear - LV, MV, HV  
 U013 Synchronizing Equipment

## W DPE-BATTERIES AND STORAGE

U001 Capacitors and Condensers  
 U002 Lead Acid Batteries  
 U003 Lithium Ion Batteries  
 U004 Lithium Polymer Batteries  
 U005 NaS Batteries  
 U006 Nicad Batteries  
 U007 Secondary Air Batteries  
 U008 Thin Film Lithium Ion Batteries  
 U009 Battery Banks (Load Banks or Microgrids)  
 U010 Battery Chargers  
 U011 Charge Controllers  
 U012 Flywheels  
 U013 Fuel Cells  
 U017 NiCd Batteries  
 U018 Nickel-Metal Hydride Batteries  
 U019 Power Banks  
 U020 Redox Flow Batteries  
 U021 Cables and Cable Management Systems  
 U022 Cable Boxes  
 U023 Cable Glands  
 U024 Cable Jointing & Termination  
 U025 Cable Ladders  
 U026 Cable Tiles

## X - DPE-CONVENTIONAL POWER GENERATION

X001 Accessories

X002 Boilers, Heat Exchangers and Combustion Equipment  
 X003 Civil Works  
 X004 Consulting & Engineering  
 X005 Cooling Equipment  
 X006 Filters and Filtration Equipment  
 X007 Furnace  
 X008 Maintenance & Repair Services  
 X009 Motors and Drives  
 X010 Oil & Lubricants  
 X011 Pumps  
 X012 R & D  
 X013 Reactors  
 X014 Turbines  
 X015 Valves  
 X016 Water & Waste Treatment

## Y - DPE-SAFETY & PROTECTION EQUIPMENT

Y001 Active Filter  
 Y002 Adhesives and Sealants  
 Y003 Braking Resistors  
 Y004 Chokes  
 Y005 Distribution Services / Equipment  
 Y006 Earth Leakage Detection & Protection  
 Y007 Earthing Equipment & Accessories  
 Y008 Electrical Distribution Circuit Protection Devices  
 Y009 Explosion Proof Equipment & Lighting  
 Y010 Explosion Proof Junction Boxes  
 Y011 Explosion Proof Motor Control Centres  
 Y012 Filters  
 Y013 Insulation Equipment & Materials  
 Y014 Isolators  
 Y015 Junction Boxes  
 Y016 Lightning Protection Systems  
 Y017 Low-Voltage Equipment  
 Y018 Protection Relays  
 Y019 Protection Systems  
 Y020 Resistors  
 Y021 Soft Starters  
 Y022 Voltage Stabilizers & Regulators  
 Y023 Safety & protection services

## Z - BODIES, ASSOCIATIONS, ORGANISATIONS

Z001 Local and national public administrations  
 Z002 Associations and consortia  
 Z003 Professional and specialist associations  
 Z004 Foundations, banking institutes and insurance companies  
 Z005 Local energy agencies  
 Z006 International institutions  
 Z007 NGOs and voluntary environmental associations  
 Z008 Parks