



GE

Kirby Anderson

Director – Government Affairs, Finance & Policy
Australia, New Zealand & Papua New Guinea
Level 2, 226 Logan Road
Buranda, Queensland 4102

T +61 7 3001 4339

F +61 7 3001 4398

kirby.anderson@ge.com

June 11, 2014

Free Trade Agreement Policy & New Issues Section
Office of Trade Negotiations
Department of Foreign Affairs and Trade
R.G. Casey Building
John McEwen Crescent
Barton ACT 0221

Email egnegotiations@dfat.gov.au

RE: Environmental Goods Negotiations

Further to GE's submission dated May 9 2014, I wish to provide a final list (attached) of recommended goods and categories of goods that GE believes should be **added** to the APEC list of environmental goods in a future World Trade Organisation agreement on environmental goods.

If GE can provide further information or clarification, please contact me on (07) 3001 4339 or kirby.anderson@ge.com.

A handwritten signature in blue ink, appearing to be 'Kirby Anderson', followed by a horizontal line.

Kirby Anderson

Director – Government Affairs, Finance and Policy
GE Australia, New Zealand & Papua New Guinea

Attachment

GE would welcome a WTO EGA based on the existing APEC list of environmental goods, with the following goods and categories of goods, with HS codes, added:

Transportation:

Product:	HS Code	Environmental Benefit:	Carve out:
Fuel Efficient Locomotives	8602.10	Reduces fuel use, lowers emissions while generating more horsepower	Fuel efficient models only
Natural Gas Locomotives and Kit	8602.90	Allows use of cleaner fuel – up to 80% natural gas substitution rate	
Locomotive Modernization Kit	8607.91	Improves engine efficiency, reduces emissions, and can extend the asset life by 15 to 20 years	
Marine Diesel Engine	8408.10	Produces lower oxides of nitrogen (NOx) and particulate matter (PM) emissions	Include only models low in NOx and PM
Drill Motor	8501	Eliminates the blower and motor required to cool traditional drill motors by introducing a totally enclosed, water-cooled system	Fuel efficient models only

Nuclear:

Product:	HS Code	Environmental Benefit:	Carve out:
Nuclear Reactors and Parts	8401.10 8401.40	Low-carbon energy production	
Nuclear Fuel	8401.30	Low-carbon energy production	
Balance of Plant Equipment	8401 8402	Energy efficiency and low-carbon energy production	For use in nuclear reactors

Lighting:

Product:	HS Code	Environmental Benefit:	Carve out:
LED Lamps	8543.70	Reduces energy consumption	
Compact Fluorescent Lamps	8539.31	Reduces energy consumption	
Lighting Controls	8536	Reduces energy consumption	

Oil and Gas:

Product:	HS	Environmental Benefit:	Carve out:
----------	----	------------------------	------------

	Code		
Compressors	8414.80	Prevents direct emissions of hydrocarbons	When used in Flare gas reduction systems
Aeroderivative Gas Generators coupled with Industrial High-Speed Power Turbines	8502.39	Reduces CO2 emissions and fuel costs per unit power output	
Compressors used in Portable Compressed Natural Gas (CNG) Delivery Systems	8414.80	Enables conversion to gas for transportation	When used in CNG delivery systems
Organic Rankine Cycle Heat Recovery Turbo Expanders and Compressors	8402.11	Captures gas engine heat emissions, converts into electrical energy	When used in heat recovery systems

Aviation:

Product:	HS Code	Environmental Benefit:	Carve out:
Biofuel Engines	8411.11 8411.21	Reduces use of fossil fuels	Fuel efficient models only
Fuel Efficient Aircraft Engines	8411.11 8411.21	Reduces use of fossil fuels	Fuel efficient models only

Energy Management:

Product:	HS Code	Environmental Benefit:	Carve out:
Solar Inverters	8504.40.9570	Allows higher conversion efficiency compared to a single-stage power conversion system	Inverters used in solar energy
Uninterruptible Power Supply	8504.40	Saves energy; increases reliability and redundancy	
Smart Meters	9028.30	Improves productivity; reduces electricity consumption and associated CO2 emissions	
Variable Frequency Drives	8483.40	Provides energy savings without producing waste output	
Charging Stations for Electric Vehicles	8504.40	Supports greater deployment of electric vehicles, which have a lower average carbon footprint than internal	

		combustion engines	
High Efficiency Power Transformers	8504.21 8504.22 8504.23 8504.31 8504.32 8504.33 8504.34	Lowers no-load losses by 60 to 70 percent as compared with conventional high-efficiency silicon steel cores	High efficiency models only

Power and Water:

Product:	HS Code	Environmental Benefit:	Carve out:
Reciprocating Engines	8407.90	Converts biomass to energy	Gas and biomass engines have spark plugs
Aero Derivative Engines and Parts	8411.21 8411.99	Increases fuel efficiency	
Gas Turbine Generating Sets	8502.39	Fuel efficient energy	
Equipment for Concentrated Solar Power Plants		Low carbon energy production	Only when used in concentrated solar power plants
Fixed and Mobile Evaporators	8421.21	Turns salt water into drinking water	When used in desalination
Water Filtration Equipment, Membranes and Parts	8421.21 8421.99	Used to clean water	
Analytical Instruments for Water and Waste Water		Used to test purity of water	
Steam Turbines and Parts	8406.81 8406.90	Energy efficiency and low-carbon energy production	For use in nuclear power plants, concentrated solar plants, and combined cycle gas plants
Steam Generators and Heat Exchangers	8402.19 8402.20	Superheated water boilers, vapor generating boilers, watertube boilers	For use in nuclear power plants, concentrated solar plants, and combined cycle gas plants
Large Energy Storage Batteries	8507	Enables use of renewables on a power grid	

