

Table 13
Business enterprise energy research and development intramural expenditures and extramural payments made outside of Canada, by area of technology, 2013^p

	Total intramural research and development	Total extramural payments outside of Canada
millions of dollars		
Total energy technologies	2,042	29
Fossil fuels	1,449	10
Crude oils and natural gas	503	1
Oil sands and heavy crude oil	888	x
Refining, processing and upgrading	x	x
Coal production, preparation and processing	1	0
Transportation of fossil fuels	x	x
Renewable energy resources	120	2
Solar	x	x
Wind-energy	x	0
Bio-energy	40	x
Hydro	36	x
Other renewable energy	10	x
Nuclear fission and fusion	77	2
Electric Power	85	1
Generation in utility sector	21	x
Combine heat and power in industry, buildings	2	0
Electricity transmission, distribution and storage	62	x
Hydrogen and fuel cells	74	x
Hydrogen	x	x
Fuel cells	x	x
Energy efficiency	128	1
Industry	77	0
Residential, institutional and commercial	13	x
Transportation	17	x
Other energy efficiency	21	x
Other energy-related technologies	110	x

Note(s): Data are from the Energy Research and Development Expenditures by Area of Technology survey. Components may not add to totals due to rounding.