



TD Renewable Energy Credits and Carbon Offsets (2010 - 2021)

We purchased renewable energy credits (RECs) and carbon offsets to compensate our GHG emissions. Since 2010, TD has invested more than \$19 million in projects that create RECs and carbon offsets, contributing to the low-carbon economy.

Renewable Energy Credits (RECs)

Source	Location	Total (MWh)
Since 2010, we have invested nearly \$9 million in renewable energy projects that created over 5 million MWh of RECs and lowered the carbon content of the global energy supply grid.		
CANADA		
Hydro and Wind	Canada	19,621
Hydro and Wind	Alberta	3,997
Hydro and Wind	British Columbia	40,955
Hydro and Wind	Ontario	34,539
Hydro and Wind	Nova Scotia	981
Hydro and Wind	New Brunswick	384
Hydro and Wind	Prince Edward Island	110
Hydro and Wind	Manitoba	768
Hydro and Wind	Newfoundland	154
Hydro and Wind	Northwest Territories	22
Hydro and Wind	Quebec	5,990
Hydro and Wind	Saskatchewan	507

Hydro and Wind	Yukon	31
Wind	Alberta	75,081
Wind	British Columbia	75,000
Wind	Ontario	171,058
Wind	Manitoba	643,955
Wind	Prince Edward Island	19,002
Wind	Quebec	510,000
Hydro	Ontario	789,887
Total		2,392,042
U.S.		
Wind	U.S.	452,180
Wind	Iowa	26,407
Wind	Kansas	152,831
Wind	Indiana	71,732
Wind	North Dakota	78,913
Wind	Oklahoma	768,747
Wind	South Dakota	261,130
Wind	Texas	159,968
Wind	Idaho	8,158
Wind	Minnesota	2,275
Wind	New Mexico	21,644
Wind	Nebraska	236,989
Wind	Washington	7,810
Wind	Wyoming	36,069
Wind	Manitoba	24,295
Wind	Alberta	374

Wind	Oregon	1,126
Wind	New York	44
Wind	Illinois	16,224
Wind	British Columbia	7,392
Wind	Montana	5,940
Low Impact Hydro	Nebraska	28,546
Low Impact Hydro	North Carolina	13,175
Low Impact Hydro	Indiana	10,247
Low Impact Hydro	Montana	15,371
Low Impact Hydro	West Virginia	5,856
Landfill Gas	Kansas	633
Landfill Gas	California	1,345
Biomass	British Columbia	59,398
Biomass	Florida	28,108
Biomass	Kentucky	41,446
Biomass	Louisiana	23,726
Biomass	Oregon	2,465
Biomass	Pennsylvania	15,053
Biomass	Tennessee	5,258
Biomass	Washington	4,582
Biomass	Indiana	1,956
Biomass	California	3,224
Biomass	Nebraska	993
Biomass	Kansas	3,347
Eligible Hydroelectric	Arkansas	2,997
Eligible Hydroelectric	Arizona	6,659

Eligible Hydroelectric	Idaho	49,337
Eligible Hydroelectric	Montana	81,864
Eligible Hydroelectric	Nebraska	44,239
Eligible Hydroelectric	Ontario	62
Eligible Hydroelectric	Quebec	9,148
Eligible Hydroelectric	Tennessee	9,647
Solar	California	229
Total		2,809,159
International		
Hydro	Norway	7937
Wind	China	5927
Total		13,864
TOTAL US, CAN, & INTL (MWh)		5,215,065

Carbon Offsets

Source	Location	TOTAL (CO ₂ e)
<p>Our carbon offsets support innovative projects that help reduce GHG emissions within our global operational footprint. At least 95% of these are projects that provide a social benefit such as schools and Indigenous communities. Since 2010, we have invested over \$10 million in such projects, offsetting over 1 million tonnes CO₂e.</p>		
CANADA		
Tidal	Nova Scotia	36,568
Fossil Fuel Switch	Quebec	29,432
Landfill Gas	Guelph, Ontario	4,000
Landfill Gas	New Brunswick	15,000
Landfill Gas	Niagara Falls, Ontario	90,000
Energy Efficiency	Quebec	5,000
Energy Efficiency	Ontario & Quebec	7,500

Food Biomass Valorization/Waste Diversion	Ontario & Quebec	37,500
Bison Transport Fuel Efficiency Project	Manitoba & Saskatchewan	5,000
Afforestation	Ontario	60,000
Afforestation	Quebec	118,763
Industrial Process Efficiency	Hantsport, Nova Scotia	23,000
Fuel Switching and Cogeneration Due To District Energy	Hamilton, Ontario	21,263
Energy Efficiency in School Buildings	Montreal, Quebec	11,532
Energy Efficiency in School Buildings	Toronto, Ontario	49,037
Methane Destruction Due To Landfill Gas Flaring	Guelph, Ontario	48,855
Methane Destruction Due To Landfill Gas Flaring	North Bay, Ontario	27,064
Fuel Switching and Energy Efficiency at Airport Buildings	Montreal, Quebec	5,585
Geothermal Heating Replacing Oil-Fired Boilers	Nicolet and Trois-Rivieres, Quebec	2,382
Lighting Efficiency in University Buildings	Edmonton, Alberta	22,580
Biomass Fuel Displacing Fossil Fuels	Aldergrove, British Columbia	14,121
Biomass Fuel Displacing Fossil Fuels	St. Felicien, Quebec	49,064
Energy Efficiency, Fuel Switching and Geothermal Energy - District Energy	Chicoutimi, Quebec	4,424
Energy Efficiency in YMCA Facilities	Toronto, Ontario	162
Composting of source-separated organics	Guelph, Ontario	3,991
Green Natural Gas	Vancouver, BC	293
Green Fuel	Vancouver, BC	114
Improved forest management	British Columbia	65,000
Waste Diversion	Quebec	48,407

Total		805,637
U.S.		
Landfill gas	Florida	50,007
Landfill gas	New Jersey	20,000
Landfill Gas or Methane Capture/Avoidance	Cumming, Georgia	41,000
Landfill Gas or Methane Capture/Avoidance	Tyler, Texas	43,057
Landfill Gas or Methane Capture/Avoidance	Elba, Alabama	46,402
Landfill Gas or Methane Capture/Avoidance	Dublin, Virginia	27,712
Landfill Gas or Methane Capture/Avoidance	Dalton, Georgia	35,119
Landfill Gas or Methane Capture/Avoidance	Montana	28,000
Landfill Gas or Methane Capture/Avoidance	Utah	35,984
Landfill Gas or Methane Capture/Avoidance	North Carolina	19,962
N2O Abatement	Claremore, Oklahoma	1,200
Wind	South Dakota	32,016
Wind	Oklahoma	18,000
Total		398,459
International		
Landfill Gas	New Jersey	10,000
Hydro	Turkey	893
Wind	China	747
Wind	Turkey	123
Total		11,763
TOTAL US, CAN, & INTL (CO₂e)		1,215,859