Committee of the Whole House - Bill No 58 Hon. R. Brown 30.11.18 cmcl

Table A11-2: 1990-2016 GHG Emission Summary for Prince Edward Island

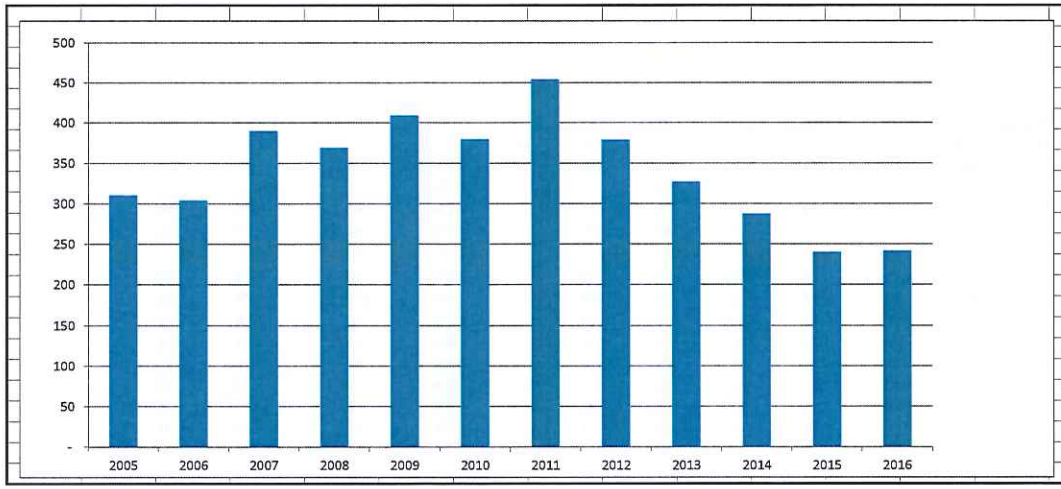
Greenhouse Gas Categories	1990	2005	2006	2007	2008	2009	2010	EnergyAccord 2011	2012	2013	2014	2015	2016	CCAP 2005 to 2016 Percent	CCAP 2005 to 2016 Tonnes	Enery Accord Percentage	Enery Accord Tonnes
					kt CO_2 eq												
TOTAL	**1 903**	**2 003**	**1 932**	**1 985**	**1 889**	**1 875**	**1 930**	**2 137**	**2 028**	**1 714**	**1 708**	**1 704**	**1 813**	**-10%**	**190**	**-15%**	**324**
ENERGY	**1 430**	**1 449**	**1 407**	**1 493**	**1 410**	**1 413**	**1 481**	**1 685**	**1 554**	**1 286**	**1 222**	**1 231**	**1 283**	-12%	167	-24%	403
a. **Stationary Combustion Sources**	738	615	597	677	631	625	651	726	673	537	442	385	372	-40%	243	-49%	354
Public Electricity and Heat Production	104	5	3	4	4	6	2	1	11	4	4	14	15	207%	(10)	1091%	-13
Manufacturing Industries	55	145	164	179	165	132	172	143	189	116	75	63	77	-47%	68	-46%	66
Commercial and Institutional	159	119	93	74	63	51	47	86	73	74	60	55	23	-81%	97	-73%	63
Residential	389	311	305	391	370	410	381	455	380	328	288	241	242	-22%	69	-47%	213
Agriculture and Forestry	19	24	21	18	20	18	30	30	17	13	12	10	11	-53%	13	-63%	19
b. **Transport**[1]	692	835	810	816	778	788	830	960	881	749	779	846	911	9%	(76)	-5%	49
Domestic Aviation	18	14	15	16	17	17	18	17	19	20	19	19	20	43%	(6)	20%	-3
Road Transportation	452	616	600	605	594	582	610	694	674	580	584	606	640	4%	(25)	-8%	54
Light-Duty Gasoline Vehicles	225	240	234	237	237	215	223	237	232	199	192	193	203	-15%	37	-15%	34
Light-Duty Gasoline Trucks	122	224	222	227	230	213	228	252	255	219	215	219	243	8%	(19)	-3%	9
Heavy-Duty Gasoline Vehicles	40	46	45	44	41	39	41	45	46	41	39	40	44	-5%	2	-4%	2
Motorcycles	0.56	0.96	1	1	1	2	2	2	2	1	1	1	2	70%	(1)	-7%	0
Light-Duty Diesel Vehicles	1	2	2	2	2	2	2	3	3	2	2	3	3	54%	(1)	-7%	0
Light-Duty Diesel Trucks	0.45	0.90	0.81	0.72	0.60	0.75	0.64	0.78	0.68	0.60	0.67	1	1	44%	(0)	65%	-1
Heavy-Duty Diesel Vehicles	62	102	96	93	83	111	113	154	136	116	133	149	145	42%	(43)	-6%	9
Domestic Navigation	80	89	87	88	72	73	95	128	x	63	85	119	144	61%	(54)	13%	-16
Other Transportation	143	116	108	107	94	115	107	121	x	86	92	103	107	-8%	9	-12%	14
Off-Road Agriculture & Forestry	47	48	42	40	33	45	41	51	41	34	36	42	36	-24%	12	-28%	14
Off-Road Commercial & Institutional	4	9	9	10	9	10	10	11	9	9	9	9	8	-14%	1	-31%	3
Off-Road Manufacturing, Mining & Con	14	15	14	14	12	17	15	18	15	13	14	17	26	68%	(10)	40%	-7
Off-Road Residential	0.85	x	x	x	x	x	x	x	6	x	x	x	x				
Off-Road Other Transportation	76	37	36	37	35	38	36	34	31	26	28	29	31	-16%	6	-10%	3
INDUSTRIAL PROCESSES AND PRODUCT USE	**6**	**25**	**26**	**30**	**31**	**34**	**39**	**42**	**42**	**42**	**44**	**46**	**51**	103%	(26)	20%	
a. **Mineral Products**	**0.34**	**0.91**	**0.88**	**1**	**0.89**	**0.97**	**0.45**	**0.58**	**0.66**	**0.63**	**0.75**	**0.75**	**0.74**	-19%	0	28%	
Mineral Products Use	0.34	0.91	0.88	1	0.89	0.97	0.45	0.58	0.66	0.63	0.75	0.75	0.74	-19%	0	28%	
d. **Production and Consumption of Halocarbo**	-	20	21	25	27	30	36	39	39	39	41	44	48	135%	(27)	24%	
f. **Other Product Manufacture and Use**	0.83	2	1	1	1	1	0.98	1	1	1	1	1	1	-14%	0	29%	
AGRICULTURE	**380**	**440**	**413**	**379**	**366**	**348**	**331**	**332**	**356**	**312**	**369**	**355**	**408**	-7%	32	23%	
a. **Enteric Fermentation**	144	134	135	134	123	113	111	110	111	111	110	112	108	-19%	26	-2%	
b. **Manure Management**	54	56	57	54	46	43	43	44	44	44	44	43	40	-29%	16	-9%	
c. **Agricultural Soils**	**177**	**245**	**215**	**182**	**191**	**188**	**174**	**176**	**199**	**155**	**213**	**197**	**257**	5%	(12)	46%	
Direct Sources	146	204	178	151	159	157	146	147	167	130	179	166	217	6%	(13)	47%	
Indirect Sources	31	41	36	31	32	31	28	28	32	25	34	31	40	-2%	1	43%	
d. **Field Burning of Agricultural Residues**	0.09	0.22	0.18	0.16	0.18	0.13	0.14	0.13	0.15	0.16	0.15	0.18	0.18	-18%	0	35%	
e. **Liming, Urea Application and Other Carbon**	5	5	6	8	6	4	3	3	2	2	2	3	3	-38%	2	8%	
WASTE	**86**	**89**	**86**	**84**	**82**	**80**	**79**	**77**	**76**	**75**	**73**	**73**	**71**	-20%	18	-8%	
a. **Solid Waste Disposal**	68	66	64	62	59	58	57	56	54	53	52	51	50	-25%	16	-11%	
b. **Biological Treatment of Solid Waste**	-	5	5	5	5	4	4	4	3	3	3	3	4	-27%	1	-2%	
c. **Wastewater Treatment and Discharge**	7	9	9	9	9	9	9	9	9	9	9	9	9	2%	(0)	2%	
d. **Incineration and Open Burning of Waste**	11	9	9	9	9	8	9	9	9	9	9	9	9	-1%	0	2%	

Notes:

1. Emissions from ethanol and biodiesel are included in the Transport categories using gasoline and diesel respectively.
2. Emissions from Ammonia Production, Nitric Acid Production and Petrochemical Production and Carbon Black categories are included in Non-Energy Products from Fuels and Solvent Use as CO_2 eq values within provincial/territorial tables.
3. HFC and PFC consumption began in 1995; HFC emissions occurring as a by-product of HCFC production (HCFC-22 exclusively) only occurred in Canada from 1990–1992 and PFC emissions prior to 1995 are the result of by-product CF_4 emissions from the use of NF_3.

-	Indicates no emissions
0.00	Indicates emissions truncated due to rounding
x	Indicates data has been suppressed to respect confidentiality

Estimates for the latest year (2016) are based on preliminary energy data; these data, though the best available information at the time of publication, are subject to revision in the next submission year.


500
450
400
350
300
250
200
150
100
50
-
2005
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016