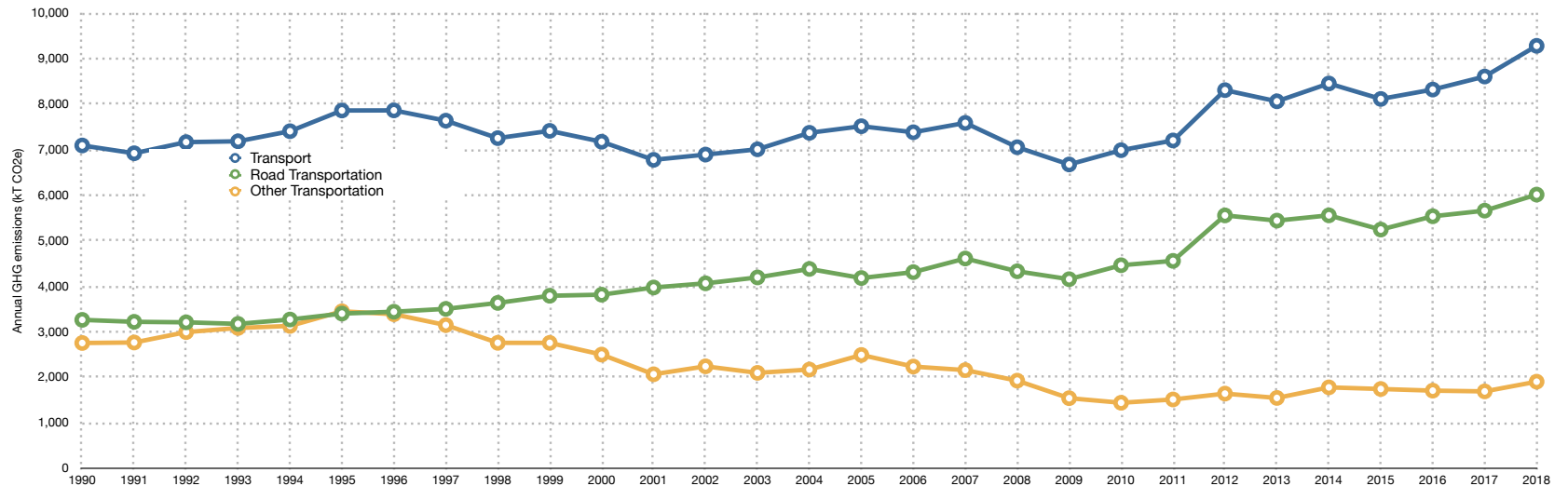


Manitoba GHG emissions

Transportation

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018		
TOTAL Manitoba emissions	18,296	17,903	18,190	18,212	18,666	19,447	20,240	19,904	20,426	20,173	20,688	19,311	19,846	20,359	20,638	20,122	20,303	20,792	20,562	19,342	18,098	18,858	20,179	20,901	20,794	20,620	20,980	21,668	21,806		
Transport	7,094	6,923	7,168	7,186	7,407	7,863	7,865	7,639	7,255	7,415	7,176	6,779	6,894	7,009	7,373	7,517	7,385	7,590	7,056	6,677	6,990	7,204	8,310	8,064	8,456	8,116	8,322	8,609	9,283		
Domestic Aviation	471	414	434	404	449	460	521	540	509	540	541	495	495	511	525	543	540	558	513	440	442	426	482	496	458	421	415	451	481		
Road Transportation	3,263	3,220	3,209	3,174	3,270	3,400	3,441	3,504	3,635	3,792	3,816	3,974	4,065	4,195	4,381	4,182	4,311	4,611	4,330	4,156	4,463	4,559	5,558	5,443	5,559	5,246	5,538	5,662	6,015		
Light-Duty Gasoline Vehicles	1,539	1,548	1,544	1,517	1,498	1,492	1,418	1,356	1,339	1,327	1,290	1,300	1,300	1,286	1,268	1,209	1,231	1,322	1,115	1,094	1,172	1,075	1,289	1,286	1,228	1,143	1,135	1,081	1,114		
Light-Duty Gasoline Trucks	915	932	944	940	1,017	1,105	1,135	1,166	1,230	1,308	1,334	1,357	1,407	1,468	1,526	1,470	1,571	1,622	1,411	1,453	1,630	1,612	1,992	2,044	2,102	2,080	2,147	2,127	2,333		
Heavy-Duty Gasoline Vehicles	318	325	335	344	341	340	361	384	419	443	467	498	499	516	543	443	469	464	398	402	447	435	533	544	500	487	497	487	520		
Motorcycles	4	4	3	3	3	2	2	2	2	3	3	4	5	6	6	4	5	5	4	4	5	6	7	8	8	9	9	9	10		
Light-Duty Diesel Vehicles	8	6	6	6	6	6	6	6	6	6	7	8	8	9	10	10	10	10	15	14	12	14	12	14	17	16	14	15	17	14	
Light-Duty Diesel Trucks	6	5	5	5	5	6	7	8	8	9	11	12	13	14	17	15	13	15	14	12	11	10	11	10	11	11	11	13	15	15	
Heavy-Duty Diesel Vehicles	443	368	343	347	367	403	471	524	578	634	685	777	821	884	999	1,023	1,007	1,165	1,372	1,179	1,185	1,406	1,708	1,535	1,694	1,503	1,722	1,928	2,008		
Propane and Natural Gas Vehicles	30	31	29	13	34	46	40	58	53	62	20	18	11	13	12	7	6	2	1	0	0	0	0	0	0	0	0	0	0	0	
Railways	605	522	530	521	556	549	514	445	351	324	318	241	90	202	293	299	292	254	275	524	626	692	617	570	656	704	660	803	881		
Domestic Navigation	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	5	8	11	14	17	14	11	8	4	1	1	2	2	
Other Transportation	2,755	2,765	2,993	3,084	3,129	3,451	3,386	3,148	2,758	2,757	2,500	2,067	2,242	2,099	2,171	2,492	2,236	2,159	1,927	1,542	1,442	1,514	1,642	1,547	1,780	1,744	1,708	1,691	1,904		
Off-Road Agriculture & Forestry	1,063	974	971	1,050	1,119	1,282	1,266	1,177	1,106	1,024	1,050	1,008	1,064	1,126	1,180	1,314	1,125	1,166	1,128	939	910	1,004	1,104	939	971	890	908	919	938		
Off-Road Commercial & Institutional	41	37	36	37	42	48	48	51	49	49	51	56	58	63	69	81	84	83	82	74	80	86	91	96	100	92	84	87	96		
Off-Road Manufacturing, Mining & Construction	193	181	178	174	208	246	238	241	198	190	177	165	175	187	200	229	207	232	237	201	195	208	224	200	213	215	238	297	305		
Off-Road Residential	6	6	6	7	8	10	13	15	17	20	24	29	33	36	40	45	48	42	39	37	39	44	49	46	51	51	50	57	57		
Off-Road Other Transportation	604	589	578	560	552	561	520	466	429	414	370	266	254	235	250	222	234	206	196	189	200	140	160	156	177	185	182	182	205		
Pipeline Transport	848	978	1,224	1,257	1,199	1,304	1,301	1,198	960	1,061	829	543	659	451	433	601	539	430	246	102	18	32	13	109	268	311	245	155	304		
Heavy-Duty Gasoline + Heavy Duty Diesel	760	693	678	691	708	743	832	908	997	1,077	1,151	1,275	1,320	1,400	1,542	1,466	1,475	1,629	1,770	1,581	1,632	1,841	2,241	2,079	2,194	1,990	2,219	2,414	2,528		
% above 1990																															
All transport	0.0%	-2.4%	1.0%	1.3%	4.4%	10.8%	10.9%	7.7%	2.3%	4.5%	1.2%	-4.5%	-2.8%	-1.2%	3.9%	6.0%	4.1%	7.0%	-0.5%	-5.9%	-1.5%	1.6%	17.1%	13.7%	19.2%	14.4%	17.3%	21.4%	30.9%		
Road Transportation	0.0%	-1.3%	-1.6%	-2.7%	0.2%	4.2%	5.5%	7.4%	11.4%	16.2%	17.0%	21.8%	24.6%	28.6%	34.3%	28.2%	32.1%	41.3%	32.7%	27.4%	36.8%	39.7%	70.3%	66.8%	70.4%	60.8%	69.7%	73.5%	84.4%		
Light-Duty Gasoline Vehicles	0.0%	0.6%	0.4%	-1.4%	-2.7%	-3.0%	-7.8%	-11.9%	-13.0%	-13.8%	-16.2%	-15.6%	-15.6%	-16.4%	-17.6%	-21.4%	-20.0%	-14.1%	-27.5%	-28.9%	-23.8%	-30.1%	-16.3%	-16.4%	-20.2%	-25.7%	-26.3%	-29.8%	-27.6%		
Light-Duty Gasoline Trucks	0.0%	1.9%	3.2%	2.8%	11.1%	20.8%	24.1%	27.5%	34.4%	43.0%	45.9%	48.4%	53.8%	60.4%	66.8%	60.7%	71.7%	77.3%	54.3%	58.8%	78.2%	76.3%	117.7%	123.4%	129.8%	127.4%	134.8%	132.5%	155.1%		
Heavy-Duty Gasoline + Heavy Duty Diesel	0.0%	-8.8%	-10.8%	-9.1%	-6.8%	-2.3%	9.5%	19.5%	31.2%	41.7%	51.5%	67.8%	73.6%	84.1%	102.8%	92.9%	94.1%	114.4%	132.8%	108.0%	114.7%	142.3%	194.8%	173.6%	188.6%	161.8%	191.9%	217.6%	232.6%		
% of TOTAL Manitoba emissions																															
Transport	38.8%	38.7%	39.4%	39.5%	39.7%	40.4%	38.9%	38.4%	35.5%	36.8%	34.7%	35.1%	34.7%	34.4%	35.7%	37.4%	36.4%	36.5%	34.3%	34.5%	36.6%	38.2%	41.2%	38.6%	40.7%	39.4%	39.7%	39.7%	42.6%		
Road Transportation	17.8%	18.0%	17.6%	17.4%	17.5%	17.5%	17.0%	17.6%	17.8%	18.8%	18.4%	20.6%	20.5%	20.6%	21.2%	20.8%	21.2%	22.2%	21.1%	21.5%	23.4%	24.2%	27.5%	26.0%	26.7%	25.4%	26.4%	26.1%	27.6%		

Manitoba transportation GHG emissions



Data source: Environment Canada, Canada's Greenhouse Gas Inventory, <http://www.ec.gc.ca/ges-ghg>
 Chart by: Climate Change Connection, <http://climatechangeconnection.org>