

Table A12-2: GHG Emissions for Newfoundland and Labrador by Canadian Economic Sector, Selected Years

	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	2019	2020	2021	
<b>Mt CO<sub>2</sub> eq</b>																																	
<b>GHG TOTAL</b>	<b>9.4</b>	<b>8.4</b>	<b>8.3</b>	<b>8.4</b>	<b>7.5</b>	<b>8.5</b>	<b>8.6</b>	<b>9.1</b>	<b>10.7</b>	<b>9.6</b>	<b>9.1</b>	<b>9.8</b>	<b>11.8</b>	<b>11.6</b>	<b>10.8</b>	<b>10.2</b>	<b>9.8</b>	<b>10.8</b>	<b>10.4</b>	<b>9.8</b>	<b>9.7</b>	<b>10.0</b>	<b>9.6</b>	<b>9.7</b>	<b>10.7</b>	<b>10.8</b>	<b>10.9</b>	<b>10.8</b>	<b>10.6</b>	<b>11.0</b>	<b>8.8</b>	<b>8.3</b>	
<b>Oil and Gas</b>	<b>1.1</b>	<b>1.0</b>	<b>0.9</b>	<b>1.1</b>	<b>0.5</b>	<b>1.0</b>	<b>1.1</b>	<b>1.3</b>	<b>3.4</b>	<b>2.7</b>	<b>1.8</b>	<b>1.7</b>	<b>3.4</b>	<b>2.8</b>	<b>2.6</b>	<b>2.5</b>	<b>2.8</b>	<b>3.0</b>	<b>2.5</b>	<b>2.6</b>	<b>2.5</b>	<b>2.2</b>	<b>2.1</b>	<b>2.3</b>	<b>2.4</b>	<b>2.3</b>	<b>2.6</b>	<b>2.5</b>	<b>2.7</b>	<b>2.8</b>	<b>1.7</b>	<b>1.4</b>	
Upstream Oil and Gas	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	1.6	0.8	0.7	2.2	1.7	1.4	1.5	1.8	1.9	1.7	1.5	1.4	1.3	1.1	1.4	1.5	1.3	1.5	1.5	1.8	1.8	1.5	1.3	
Natural Gas Production and Processing	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conventional Oil Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	1.6	0.8	0.7	2.2	1.7	1.4	1.5	1.8	1.9	1.7	1.5	1.4	1.3	1.1	1.4	1.5	1.3	1.5	1.5	1.8	1.8	1.5	1.3	
Conventional Light Oil Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Conventional Heavy Oil Production	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Frontier Oil Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	2.5	1.6	0.8	0.7	2.2	1.7	1.4	1.5	1.8	1.9	1.7	1.5	1.4	1.3	1.1	1.4	1.5	1.3	1.5	1.5	1.8	1.8	1.5	1.3	
Oil Sands (Mining, In-Situ, Upgrading)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mining and Extraction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Upgrading	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Oil, Natural Gas and CO <sub>2</sub> Transmission	-	-	-	-	-	-	-	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Downstream Oil and Gas	1.1	1.0	0.9	1.1	0.5	1.0	1.1	1.2	0.9	1.1	1.1	1.0	1.2	1.2	1.2	1.0	1.0	1.1	0.8	1.1	1.1	0.9	1.0	0.9	0.9	1.0	1.2	1.0	0.9	1.0	0.2	0.1	
Petroleum Refining	1.1	1.0	0.9	1.1	0.5	1.0	1.1	1.2	0.9	1.1	1.1	1.0	1.2	1.2	1.2	1.0	1.0	1.1	0.8	1.1	1.1	0.9	1.0	0.9	0.9	1.0	1.2	1.0	0.9	1.0	0.2	0.1	
Natural Gas Distribution	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Electricity</b>	<b>1.6</b>	<b>1.3</b>	<b>1.5</b>	<b>1.4</b>	<b>0.7</b>	<b>1.3</b>	<b>1.2</b>	<b>1.2</b>	<b>1.1</b>	<b>0.8</b>	<b>0.8</b>	<b>1.7</b>	<b>1.9</b>	<b>1.6</b>	<b>1.3</b>	<b>0.8</b>	<b>0.6</b>	<b>1.0</b>	<b>0.9</b>	<b>0.8</b>	<b>0.7</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>1.2</b>	<b>1.3</b>	<b>1.5</b>	<b>1.5</b>	<b>1.1</b>	<b>1.1</b>	<b>1.0</b>	<b>0.6</b>	
<b>Transport</b>	<b>2.7</b>	<b>2.7</b>	<b>2.7</b>	<b>2.8</b>	<b>2.7</b>	<b>2.7</b>	<b>2.7</b>	<b>2.7</b>	<b>2.8</b>	<b>2.9</b>	<b>3.0</b>	<b>3.0</b>	<b>3.1</b>	<b>3.5</b>	<b>3.3</b>	<b>3.4</b>	<b>3.2</b>	<b>3.5</b>	<b>3.7</b>	<b>3.4</b>	<b>3.5</b>	<b>3.9</b>	<b>3.8</b>	<b>3.5</b>	<b>3.8</b>	<b>3.7</b>	<b>3.8</b>	<b>3.8</b>	<b>3.6</b>	<b>3.9</b>	<b>3.3</b>	<b>3.5</b>	
Passenger Transport	1.4	1.4	1.4	1.5	1.5	1.4	1.5	1.4	1.4	1.5	1.5	1.5	1.5	1.7	1.6	1.6	1.5	1.8	1.9	1.8	1.8	2.1	2.2	2.0	2.3	2.3	2.3	2.3	2.1	2.0	1.8	1.8	
Cars, Light Trucks and Motorcycles	1.2	1.2	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.2	1.3	1.2	1.5	1.6	1.5	1.5	1.7	1.9	1.7	1.9	2.0	1.9	2.0	1.8	1.7	1.6	1.6	
Bus, Rail and Aviation	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.4	0.3	0.3	0.3	0.2	0.2	
Freight Transport	1.2	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.6	1.5	1.5	1.5	1.5	1.6	1.4	1.5	1.6	1.3	1.3	1.3	1.1	1.2	1.2	1.2	1.6	1.4	1.5	
Heavy Duty Trucks, Rail	0.3	0.3	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4	0.6	0.5	0.5	0.5	0.6	0.7	0.5	0.6	0.8	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.7	0.5	0.5	
Aviation and Marine	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.9	0.9	0.9	0.8	0.7	0.7	0.6	0.5	0.6	0.6	0.6	0.9	0.9	1.0	
Other: Recreational, Commercial and Residential	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.2	
<b>Heavy Industry</b>	<b>1.9</b>	<b>1.4</b>	<b>1.3</b>	<b>1.3</b>	<b>1.6</b>	<b>1.6</b>	<b>1.6</b>	<b>1.8</b>	<b>1.6</b>	<b>1.4</b>	<b>1.7</b>	<b>1.5</b>	<b>1.5</b>	<b>1.7</b>	<b>1.6</b>	<b>1.8</b>	<b>1.5</b>	<b>1.4</b>	<b>1.4</b>	<b>1.4</b>	<b>1.3</b>	<b>1.2</b>	<b>1.1</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>0.6</b>	<b>0.7</b>	<b>0.9</b>	<b>1.1</b>	<b>1.0</b>	<b>1.1</b>	
Mining	1.4	1.0	0.9	0.9	1.3	1.3	1.3	1.5	1.3	1.1	1.4	1.2	1.2	1.4	1.3	1.5	1.3	1.3	1.3	1.3	1.3	1.1	1.1	1.0	1.1	1.1	0.6	0.6	0.8	1.1	0.9	1.0	
Smelting and Refining (Non-Ferrous Metals)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Pulp and Paper	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	
Iron and Steel	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Cement	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Lime and Gypsum	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Chemicals and Fertilizers	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
<b>Buildings</b>	<b>1.1</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>1.0</b>	<b>0.9</b>	<b>1.0</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.9</b>	<b>1.0</b>	<b>1.1</b>	<b>1.1</b>	<b>0.8</b>	<b>0.7</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.8</b>	<b>0.9</b>	<b>0.7</b>	<b>1.0</b>	<b>1.1</b>	<b>1.0</b>	<b>1.0</b>	<b>1.1</b>	<b>0.9</b>	<b>0.9</b>	<b>0.8</b>	<b>0.7</b>	
Service Industry	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3	0.4	0.4	0.4	0.6	0.6	0.4	0.3	0.4	0.3	0.3	0.4	0.4	0.3	0.7	0.7	0.7	0.7	0.6	0.4	0.5	0.4	0.4	
Residential	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.5	0.6	0.5	0.5	0.4	0.4	0.5	0.6	0.5	0.4	0.5	0.4	0.3	0.4	0.3	0.4	0.5	0.5	0.5	0.4	0.3	
<b>Agriculture</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	<b>0.1</b>	
On Farm Fuel Use	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Crop Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Animal Production	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	
<b>Waste</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.5</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	<b>0.6</b>	
Solid Waste <sup>a</sup>	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Wastewater	0.0	0.0	0.0	0.0																													