

1955 (0.2 million tonnes). This increase was mainly due to increased industrial activity, especially with respect to natural gas processing and petroleum refining. Levels in 1976 were 1.0 million tonnes. Eastern Canadian provinces contributed 66%, 23% and 22% of total "other" emissions in 1955, 1965 and 1976 respectively. Increased production at natural gas plants was the main reason for higher western SO₂ emissions.

Total NO_x emissions for Canada increased significantly, from 0.6 million tonnes in 1955 to 1.9 million tonnes in 1976. This increase was due mainly to significant changes in the transportation sector and power plants. Gasoline-powered motor vehicles, which contributed 0.17 million tonnes of NO_x emissions in 1955, reached a level of 0.5 million tonnes in 1976. Diesel-powered engines were the other major source of NO_x emissions in the transportation sector, increasing by a factor of 5 since 1955. Demand for electricity, resulting in the growth of the thermal power generating industry, caused NO_x emissions to reach a level of 0.2 million tonnes in 1976, compared to 0.01 million tonnes in 1955.

Eastern Canada contributed 71%, 66% and 61% of total NO_x emissions in 1955, 1965 and 1976 respectively. This occurred as a result of the shift in industrial activity and population to the west.

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