Paul Allen & Transportation Innovation
Carbon Dioxide Emissions by Sector Moving 12-Month Total

3,000 Million Metric Tonnes of Carbon Dioxide

February 2016

Source: DOE, EIA, May 2016 Monthly Energy Review

Sources of U.S. electricity generation, 2016

Total = 4.1 trillion kilowatthours

hydro 6.9%
winds 5.6%
biomass 1.3%
solar 0.8%
geoi/thermal 0.6%

renewables 15%
nuclear 20%
coal 30%
natural gas 34%

petroleum 1%

Note: Electricity generation from utility-scale facilities.
THE $50 MILLION COMPETITION TO REMAKE THE AMERICAN CITY
Several European Countries to Follow Norway’s Lead, Ban Fuel-Powered Cars

Following plans by the government of Norway to ban cars fueled by petrol or diesel by 2050, several other countries in Europe are formulating similar programs to phase out fuel-powered transportation. Moreover, sources close to the European Parliament say that once multiple member states pass such a ban as is expected later this year, the European Union will attempt to enforce these rules throughout its territory.

In Sweden, the office of Åsa Romson, minister for the environment and co-spokesperson for the Green Party, released a statement saying that a ban on the internal combustion engine is a necessary step to reduce pollution and carbon emissions. In Sweden, only about 3% of electricity production comes from fossil fuels, and plans made by the Persson cabinet in 2005, Making Sweden an Oil-Free Society, already call for a phaseout of the use of oil for heating. The Löfven cabinet has nowhere else to cut in its program to make Sweden a carbon-neutral society by 2050. The Social Democrats-Green minority government is expected to work with the more moderate parties in the opposition Alliance; the Centre Party has already endorsed the move, but the Liberals have yet to make a statement.

In France and Germany, the ban is expected to be far more controversial, with the moves by their respective governments to ban the internal combustion engine likely to be met with opposition. European automakers have lagged behind Japanese competitors in developing electric-vehicle technology, as conventional European petrol and diesel cars already enjoy strong sales.
Thank you

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