The No Pain Option to cut CO2 - Why Don't We Do It?

Oregon's greenhouse gas reduction goal is 40% below business as usual.

Since 42% of greenhouse gas emission is from electricity generation, all we have to do is shut down ALL fossil fueled electric generation and replace it with the ONLY PROVEN LOW COST alternative: nuclear.
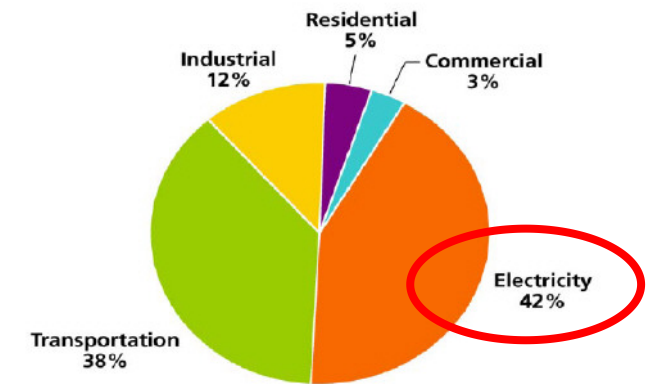
Here Are The Facts From Government Documents:

42% of CO2 comes from electric generation alone (red circles added):

Electricity Generation. Electricity was the major source of CO2 from fossil fuels in 2000, representing 42 percent of those emissions. Emissions from electricity grew 17 percent from 1990 to 2000, but its relative contribution stayed the same.

The Department calculates emissions from electricity generation based on the carbon content of the regional mix of electricity for the 11 contiguous western states. The Department took the average carbon content from 1990 through 2000 and applied that to electricity loads. While some states inventory only emissions from generating facilities within the state, the Department believes a regional carbon mix better reflects the carbon mix associated with the delivery of electricity to Oregon's consumers.

Figure 5
Oregon's CO$_2$ Emissions from Fossil Fuels by Sector

Source: Oregon Department of Energy (see Appendix B)

(*Oregon Strategy for Greenhouse Gas Reductions – Appendix B* | **page B-3)**

Table 2
CO$_2$ Emissions by Sector from Fossil Fuel Combustion, MMTCO$_2$

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Electricity generation	20.7	21.0	20.6	21.4	21.6	22.0	22.7	22.9	21.7	22.9	24.2
Transportation	18.2	18.7	18.5	18.5	19.2	19.4	20.1	20.2	21.2	21.6	21.5
Industrial	5.6	5.6	6.2	6.3	6.3	6.9	6.7	6.9	6.6	7.4	6.8
Residential	2.1	2.2	1.8	2.2	2.1	2.1	2.3	2.3	2.4	2.6	2.6
Commercial	1.9	1.8	1.6	1.7	1.6	1.6	1.8	1.8	1.9	1.9	1.9
TOTAL	48.5	49.3	48.8	50.1	50.8	51.9	53.6	54.1	53.8	56.3	57.0

Chart & Table from: *Oregon Strategy for Greenhouse Gas Reductions*, Governor's Advisory Group On Global Warming, State of Oregon, December 2004; chart from pg 30, table from B-3:

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