

How to Achieve a 20% Reduction in Greenhouse Gases Without Actually Removing Any GHGs from the Air

"By fiat" means by declaration regardless of underlying reality. The legislature has declared fuel derived from anything that grows or grew in the last few centuries (and some tires, medicines, municipal sludge and other substances) to be "carbon neutral". The logic being that trees are a renewable resource, at least on a shorter time scale than oil. However, it takes 50-150 years to replace trees and we are burning them at a rate that outstrips regrowth. This chart shows the actual CO2 emitted versus a political statement which manipulates the facts. CO2 is CO2 is CO2. The damage from excess atmospheric CO2 to our earth and oceans is the same whether it comes from burning fossil fuels or forest/agricultural based products. Marine life in our increasingly acidified waters can't tell the difference.

Facility Name:	STATE TOTALS (of facilities reporting to EPA, year 2010)	AGRIUM US INC BOWLES ROAD	ALCOA INC WENATCHEE WORKS	ALCOA INTALCO WORKS	ASH GROVE CEMENT COMAPNY- SEATTLE	BOISE WHITE PAPER LLC	BP CHERRY POINT REFINERY	Boeing Commercial Airplanes - Everett	CERTAINTEE D GYPSUM SEATTLE
LOCATION (WA State):		KENNEWICK	MALAGA	FERNDALE	SEATTLE	WALLULA	BLAINE	Everett	SEATTLE
Emissions by Gas	Metric Tons CO2e								
non-"biogenic" Carbon Dioxide (CO ₂)	23,583,694	6,712	184,249	345,188	239,341	80,960	2,519,247	64,266	30,842
"biogenic" Carbon Dioxide (CO ₂)	6,432,910	0	0	0	0	846,789	0	0	0
Methane (CH ₄)	1,025,163	0	8	21	315	5,777	10,059	25	79
Nitrous Oxide (N ₂ O)	251,272	74,589	12	31	217	13,579	7,430	38	17
PFC-14	383,500	0	19,500	364,000	0	0	0	0	0
PFC-116	224,940	0	3,220	221,720	0	0	0	0	0
ACTUAL Facility Emissions	31,901,479	81,301	206,989	930,960	239,873	947,105	2,536,736	64,329	30,938
Total "non-biogenic" CO2e	25,468,569	81,301	206,989	930,960	239,873	100,316	2,536,736	64,329	30,938
CO2e eliminated by fiat*	6,432,910					846,789			
Percent eliminated by fiat*	20%					89%			

Net result: A 20% decrease in CO2 emissions without removing any CO2 from the air!

* This partial list ONLY includes industries that were included in EPA's 2010 (first year) eGGRT/electronic Greenhouse Gas Reporting Tool. More are scheduled to be included in future EPA reports. See EPA's <http://epa.gov/climatechange/emissions/ghgdata/faq.html#q4>

**"BIOGENIC" is a loose industry term. Generally it means wood or other biologically derived materials. But it sometimes includes tires, construction debris, etc.

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CONAGRA FOODS LAMB WESTON CONNELL	CONAGRA FOODS LAMB WESTON PASCO	CONAGRA FOODS LAMB WESTON RICHLAND	CONOCOPHI LLIPS FERNDALE REFINERY	COWLITZ COUNTY LANDFILL LONGVIEW	Cardinal FG Company Winlock	Cathcart Landfill SNOHOMISH	Centralia CENTRALIA	Chehalis Generation Facility CHEHALIS	ConAgra Foods Lamb Weston Quincy	EMERALD KALAMA CHEMICAL LLC KALAMA	Encogen Generating Station Bellingham	Frederickso n Power LP Tacoma	Fredonia Generating Station Mount Vern	
37,558	47,176	32,082	875,333	22,335	35,295	226	9,784,884	532,136	37,998	72,254	94,018	324,421	44,170	
0	0	0	0	0	72,378	0	0	0	0	1,870	0	0	0	
15	19	13	3,066	0	29	58,146	24,011	207	15	105	2	126	5	
22	28	19	2,331	0	42	0	51,524	306	22	310	0	187	7	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	0	0	0	0	
37,595	47,223	32,114	880,730	22,335	107,744	58,372	9,860,419	532,649	38,035	74,539	94,020	324,734	44,182	
37,595	47,223	32,114	880,730	22,335	35,366	58,372	9,860,419	532,649	38,035	72,669	94,020	324,734	44,182	
					72,378						1,870			
					67%						3%			

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GENERAL CHEMICAL CORP	GEORGIA PACIFIC CONSUMER PRODUCTS CAMAS LLC	GEORGIA-PACIFIC GYPSUM LLC TACOMA	GOLDENDALE GENERATING STATION	GOODRICH CORP AWB CARBON OPERATION S SPOKANE	GRAYMONT WESTERN US INC TACOMA	Gas Transmission Northwest Pipeline Rosalia CS#6 ROSALIA	Gas Transmission Northwest Pipeline Wallula CS#8 WALLULA	Grays Harbor Energy Center Elma	Hidden Valley Landfill Puyallup	INLAND EMPIRE PAPER SPOKANE	J R SIMPLOT CO OTHELLO	J. R. Simplot Co. Moses Lake	KIMBERLY CLARK WORLD WIDE EVERETT
28,152	161,036	34,382	560,760	25,008	113,802	86,805	86,116	480,802	0	10,992	37,640	23,691	42,193
0	581,973	0	0	0	0	0	0	0	0	18,261	0	3,925	714,049
5,916	4,024	14	11	9	117	34	34	187	19,398	135	15	14	5,159
2,666	9,278	20	1	15	252	51	51	277	0	259	22	29	10,903
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
36,734	756,311	34,416	560,772	25,032	114,171	86,890	86,201	481,266	19,398	29,647	37,677	27,659	772,304
36,734	174,338	34,416	560,772	25,032	114,171	86,890	86,201	481,266	19,398	11,386	37,677	23,734	58,255
	581,973									18,261		3,925	714,049
	77%									62%		14%	92%

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KING CNTY SOLID WST CEDAR HILLS LANDFILL MAPLE VALLI	Kaiser Aluminum Washington Spokane Vall	LAFARGE NORTH AMERICA SEATTLE	LONGVIEW FIBRE PAPER AND PACKAGING, INC LONGVIEW	Land Recovery Landfill Indust Graham	MCCAIN FOODS USA INC OTHELLO	Mint Farm Generation Station Longview	NORTHSIDE LANDFILL SPOKANE	NORTHWES T PIPELINE GP - SNOHOMIS H C/S Snohomish	NORTHWES T PIPELINE GP - SUMAS C/S Sumas	NUCOR STEEL SEATTLE INC SEATTLE	Naval Base Kitsap Bremerton Bremerton	OLYMPIC VIEW SANITARY LANDFILL INC Port Orchard	PORT TOWNSEND PAPER CORP PORT TOWN
72	106,626	217,497	134,252	0	39,723	557,754	0	33,667	59,801	95,667	51,890	0	97,205
199	0	0	1,317,970	0	0	0	0	0	0	0	0	0	500,000
132,174	42	254	9,046	192,434	16	10	10,857	13	24	16	21	6,496	3,486
1	63	549	20,872	0	22	1	0	19	31	2	31	0	7,958
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
132,446	106,731	218,300	1,482,140	192,434	39,761	557,765	10,857	33,699	59,856	95,685	51,942	6,496	608,649
132,247	106,731	218,300	164,170	192,434	39,761	557,765	10,857	33,699	59,856	95,685	51,942	6,496	108,649
199			1,317,970										500,000
0.2%			89%										82%

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PUGET POWER ENERGY- WHITEHORN GEN.STATIO N BLAINE	PUGET SOUND ENERGY - SUMAS	PUGET SOUND ENERGY INC TACOMA	REC SOLAR GRADE SILICON MOSES LAKE	River Road Vancouver	Roosevelt Regional Landfill Roosevelt	SAINT GOBAIN CONTAINER S INC SEATTLE	SEATTLE STEAM CO SEATTLE	SHELL PUGET SOUND REFINERY ANACORTES	SIMPSON TACOMA KRAFT CO LLC TACOMA	SOLVAY CHEMICALS INC LONGVIEW	TACOMA CITY SOLID WASTE FAC TACOMA	TENASKA FERNDALE COGENERAT ION STATION FERNDALE	TESORO CORPORATI ON- ANACORTES REFINERY ANACORTES
6,852	186,988	8,680	120,282	653,576	23	73,580	82,127	2,036,453	134,067	45,154	0	292,988	585,228
0	0	0	0	0	0	0	5,350	0	937,542	0	0	0	0
3	4	4	48	255	314,969	21	67	6,141	6,489	0	50,672	116	1,991
5	0	6	73	376	0	31	507	4,645	14,570	0	0	171	884
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
6,860	186,992	8,690	120,403	654,207	314,992	73,632	88,051	2,047,239	1,092,668	45,154	50,672	293,275	588,103
6,860	186,992	8,690	120,403	654,207	314,992	73,632	82,701	2,047,239	155,126	45,154	50,672	293,275	588,103
							5,350		937,542				
							6%		86%				

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THE BOEING COMPANY AUBURN	US ARMY JOINT BASE LEWIS- MCCHORD	US OIL & REFINING TACOMA	University of Washington Seattle Campus	WASHINGTON STATE UNIVERSITY PULLMAN	WASTE MANAGEMENT NT GREATER WENATCHEE LANDFILL Wenatchee	WEYERHAE USER NR COMPANY LONGVIEW	WHEELABRA TOR SPOKANE	YAKIMA CNTY CHEYNE LANDFILL ZILLAH	YAKIMA COUNTY TERRACE HTS LANDFILL YAKIMA	
37,206	44,587	183,795	82,646	53,103	0	363,784	96,318	0	33	
0	0	0	0	0	0	1,281,655	150,949	0	0	
15	3,871	992	33	21	31,168	9,275	1,826	23,405	81,778	
22	128	619	50	33	0	21,530	3,538	0	0	
0	0	0	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	0	0	
37,243	48,586	185,406	82,729	53,157	31,168	1,676,244	252,631	23,405	81,811	
37,243	48,586	185,406	82,729	53,157	31,168	394,589	101,682	23,405	81,811	
							1,281,655	150,949		
							76%	60%		