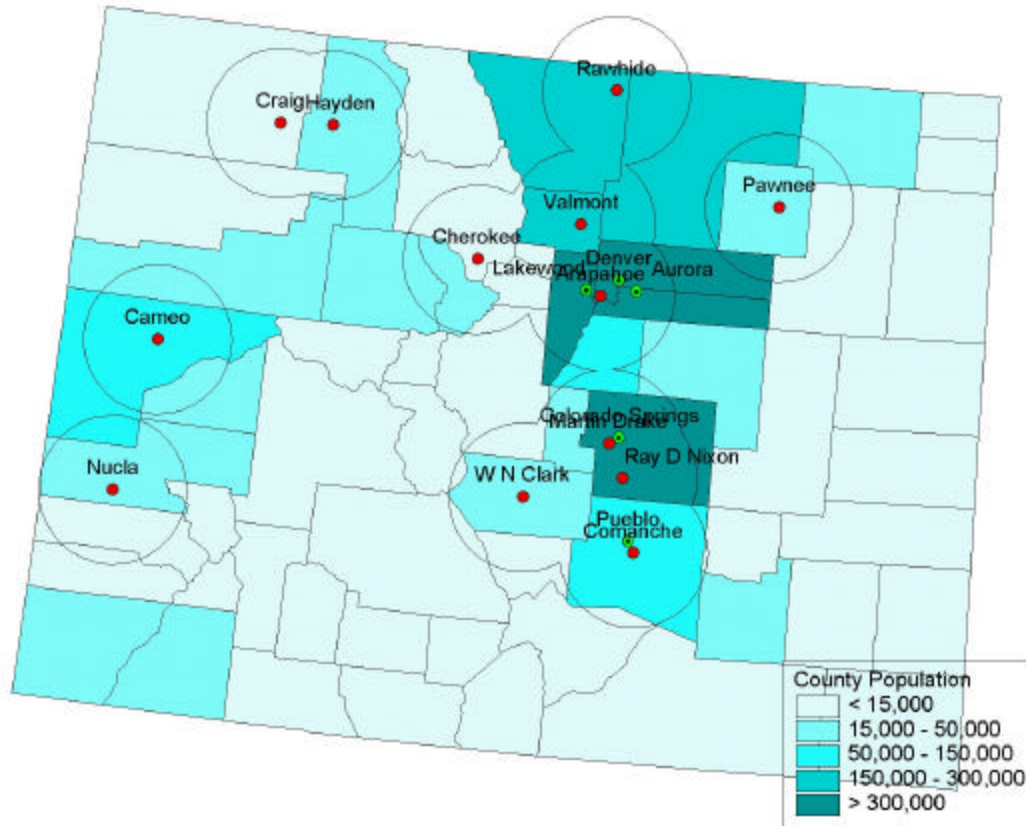


Colorado State Profile of Exposure to Coal-Fired Power Plants



Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

State Profile

Total Number of Power Plants	13
Total Reported Releases	
Air	40,535,866
Land	3,543
Water	1
Total Lake Acres/River Miles under Mercury Fish Advisory	17,254 / 0
Total Ozone Non-Attainment Areas	0

Exposure Within 30 Mile Radius

Total Population	3,537,228
Total Number of Children	777,975
Total Number of Children in Poverty	125,252
Total Number of Children With Asthma	50,336

Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

Colorado

Air Releases (tons except where noted)

Land Waste in Tons (on site (off site))

Plant Name	County	Air Releases (tons except where noted)									Land Waste in Tons (on site (off site))				
		Total Reported Air Releases	NOx	SO2	CO2	PM2.5	PM10	VOCs	Acid Gases	Mercury (lbs)	Total Reported Land releases	Arsenic	Chromium	Nickel	Total Reported Water Releases
Arapahoe	Denver	1,963,817	4,729	4,167	1,954,789	79	101	30	0	40	218	0 (0)	0 (0)	- (-)	0
Cameo	Mesa	458,145	906	2,288	454,742	86	164	10	34	12	55	0 (0)	0 (0)	- (-)	0
Cherokee	Adams	5,456,393	11,961	19,145	5,424,679	158	368	71	170	56	628	0 (0)	0 (0)	- (-)	0
Comanche	Pueblo	4,914,080	6,978	14,361	4,892,206	238	432	83	20	177	363	0 (0)	0 (0)	- (-)	1
Craig	Moffat	10,497,290	19,565	10,065	10,466,665	552	788	151	56	120	775	0 (0)	0 (10.5)	- (-)	0
Hayden	Routt	3,936,920	7,169	2,298	3,926,479	442	713	55	207	33	240	0 (0)	0 (0)	- (-)	0
Martin Drake	El Paso	2,196,201	4,293	8,317	2,183,126	307	388	28	49	30	160	0 (0)	0 (0)	- (-)	0
Nucla	Montrose	833,834	1,075	1,273	831,311	101	122	10	43	22		0 (0)	0 (0)	- (-)	0
Pawnee	Morgan	4,711,482	4,892	14,678	4,691,603	127	219	90	0	257	374	0 (0)	0 (0)	- (-)	0
Rawhide	Larimer	2,435,392	3,495	849	2,430,904	38	71	36	37	26	341	0 (0)	0 (0)	- (-)	0
Ray D Nixon	El Paso	1,802,413	3,396	5,220	1,793,609	48	115	23	50	26	197	0 (0)	0 (0)	- (-)	0
Valmont	Boulder	1,329,898	1,694	4,506	1,323,363	212	251	17	67	19	120	0 (0)	0 (0)	- (-)	0
Total		40,535,866	70,153	87,167	40,373,476	2,387	3,732	604	734	819	3,471	0 (0)	0 (11)	0 (0)	1

Notes and Sources: All releases are given in tons per year except for mercury which is given in pounds per year. Total air releases is the sum of NOx, SO2, CO2, PM10, VOCs, acid gases, and mercury (PM2.5 is included in PM10). The specific land waste metals were chosen due to their potential to contaminate groundwater. Metals listed include metals and their compounds. The Total Reported Land Releases column does not reflect all solid waste generated from coal-fired power plants. Water releases include total releases from the Toxics Release Inventory (TRI). SO2, NOx, and CO2 emissions come from the EPA's Continuous Emissions Monitoring System data for 2000. Mercury is calculated by applying the mercury emission rates developed in "Mercury Falling" (Environmental Working Group, Clean Air Network, and NRDC, 1999) to the heat input reported in the EPA CEMS data for 2000. PM2.5, PM10, VOCs, and acid gas emission rates were calculated based on the Clean Air Network's data for 1998 emissions. The emission rates were applied to the heat input for 2000. All other data came from the Clean Air Network 1998 data. All calculations were done by MSB Energy Associates for the Clean Air Task Force.

Colorado Exposure Profile for Children Within 30 Miles of a Coal-Fired Power Plant

Data Sources: U.S. Census Population Estimates for 1997; "Estimated Prevalence and Incidence of Lung Disease by Lung Association Territory," American Lung Association, 2001 (data is for 1998).

Exposure from Plants in State

Plant	State	County	Exposed Population	Children Under 18	Children in Pediatric Poverty	Asthma
Arapahoe	CO	Denver	2,157,800	473,699	71,013	30,511
Cameo	CO	Mesa	144,676	32,103	6,537	2,069
Cherokee	CO	Adams	94,920	17,336	1,576	1,308
Comanche	CO	Pueblo	181,318	42,868	11,448	2,599
Valmont	CO	Boulder	1,622,605	357,419	59,711	22,210
Martin Drake	CO	El Paso	558,274	122,716	20,470	8,350
Hayden	CO	Routt	38,594	9,428	1,115	579
Nucla	CO	Montrose	28,775	5,904	1,029	403
Craig	CO	Moffat	24,015	6,423	825	382
Pawnee	CO	Morgan	54,735	14,003	2,735	838
Rawhide	CO	Larimer	199,406	42,191	5,770	2,809
Ray D Nixon	CO	El Paso	665,057	150,560	29,135	9,744