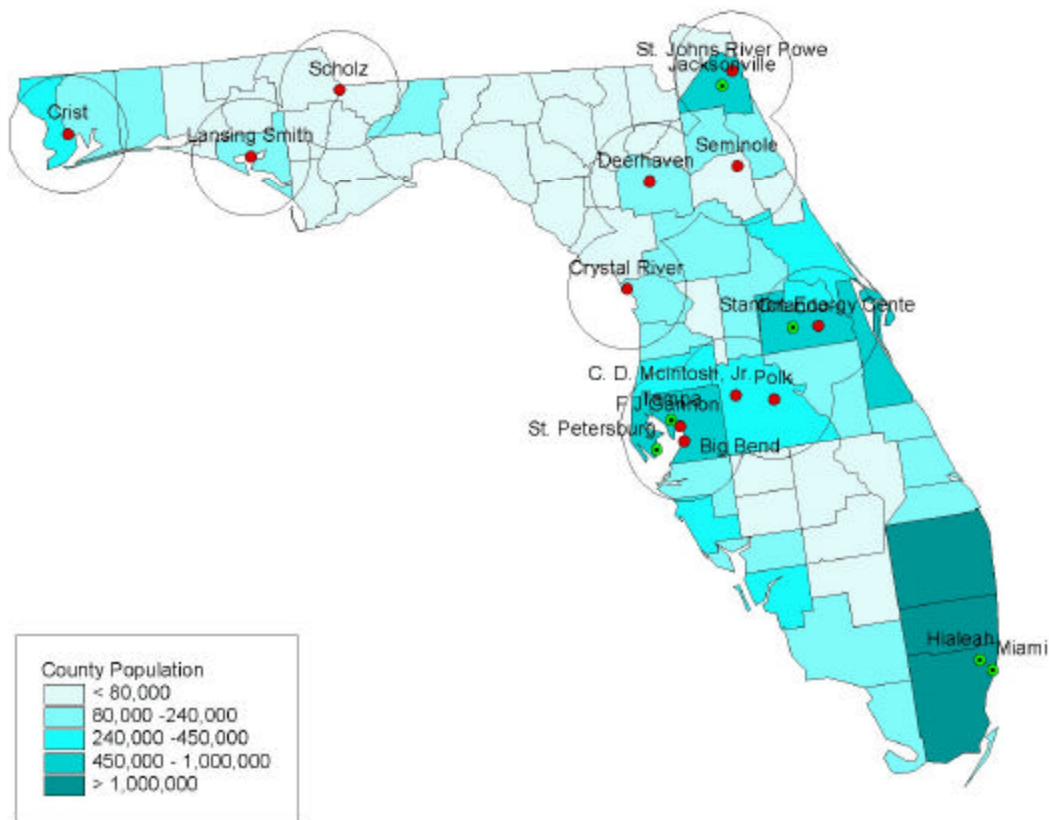


# Florida State Profile of Exposure to Coal-Fired Power Plants



## Map Legend

Circles Represent a Thirty Mile Radius around Power Plants

Major Cities are Shown

## State Profile

Total Number of Power Plants	12
Total Reported Releases	
Air	77,702,956
Land	4,616
Water	23
Total Lake Acres/River Miles under Mercury Fish Advisory	192,370 / 1,984
Total Ozone Non-Attainment Areas	0

## Exposure Within 30 Mile Radius

Total Population	6,773,322
Total Number of Children	1,393,092
Total Number of Children in Poverty	385,408
Total Number of Children With Asthma	90,859

# Environmental Release Profile

Air Releases are for 2000

Land and Water Releases are for 1998

## Florida

Air Releases (tons except where noted)

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

Plant Name	County	Air Releases									Land Waste in Tons (on site (off site))				Total Reported Water Releases
		Total Reported Air Releases	NOx	SO2	CO2	PM2.5	PM10	VOCs	Acid Gases	Mercury (lbs)	Total Reported Land releases	Arsenic	Chromium	Nickel	
Big Bend	Hillsborough	11,585,159	36,073	48,097	11,497,768	630	1,531	106	1,585	256	66	1 (0)	6 (0)	7 (0)	5
C. D. McIntosh, Jr	Polk	3,587,691	8,112	9,677	3,569,381	106	222	56	244	124	467	0 (0)	23 (0)	17 (0)	0
Crist	Escambia	6,530,168	14,704	53,082	6,457,298	244	538	79	4,467	241	241	10 (0)	20 (0)	20 (0)	1
Crystal River	Citrus	15,565,746	35,134	92,211	15,433,230	575	1,274	153	3,744	587	167	4 (0)	12 (0)	21 (0)	9
Deerhaven	Alachua	1,910,802	4,287	8,416	1,896,848	58	120	28	1,103	26	3	0 (0)	0 (0)	- (-)	0
F J Gannon	Hillsborough	5,422,470	22,757	48,070	5,348,083	204	370	86	3,103	187	64	2 (0)	4 (0)	3 (0)	1
Lansing Smith	Bay	2,875,253	6,002	20,727	2,846,535	121	267	31	1,691	145	156	0 (0)	16 (0)	16 (0)	1
Polk	Polk	1,680,918	616	1,327	1,678,772	0	0	0	203	0	28	0 (0)	0 (0)	- (-)	0
Scholz	Jackson	463,004	1,382	3,018	458,562	18	38	4	0	15	0	0 (0)	0 (0)	0 (0)	0
Seminole	Putnam	10,483,462	21,696	32,741	10,424,329	323	711	107	3,877	215	604	8 (0)	69 (0)	77 (0)	2
St. Johns River Power	Duval	10,859,956	25,047	21,314	10,809,674	356	785	116	3,019	284	637	23 (0)	32 (0.3)	187 (0.3)	4
Stanton Energy Center	Orange	6,738,326	9,263	9,669	6,718,589	266	585	79	141	269	2,183	0 (0)	28 (94)	453 (48)	0
<b>Total</b>		<b>77,702,956</b>	<b>185,073</b>	<b>348,349</b>	<b>77,139,069</b>	<b>2,900</b>	<b>6,442</b>	<b>845</b>	<b>23,178</b>	<b>2,349</b>	<b>4,616</b>	<b>48 (0)</b>	<b>209 (94)</b>	<b>801 (48)</b>	<b>23</b>

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.

## Florida 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
Seminole	FL	Putnam	421,644	85,437	22,538	5,988
St. Johns River Power	FL	Duval	939,367	220,390	55,064	14,199
Stanton Energy Center	FL	Orange	1,541,666	316,041	74,093	21,719
Crystal River	FL	Citrus	220,706	36,468	13,298	2,500
Crist	FL	Escambia	409,131	92,577	30,020	6,002
Scholz	FL	Jackson	116,718	28,328	10,382	1,713
Lansing Smith	FL	Bay	198,997	43,057	13,645	2,807
Big Bend	FL	Hillsborough	2,173,033	425,882	117,331	26,728
F J Gannon	FL	Hillsborough	2,272,395	442,854	123,595	27,983
Deerhaven	FL	Alachua	385,207	81,087	26,245	5,232
C. D. McIntosh, Jr.	FL	Polk	985,363	209,964	63,518	13,494
Polk	FL	Polk	732,558	155,721	47,045	10,285