

## AEP System Total: Inventory for 2017

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2017 Coal Burn 73,633,378,000 pounds

AEP System Total Estimated TRI Releases for 2017 (Pounds)					
Chemical	Air	Water	On-site Land	Off-site Transfer	Total
Antimony	(a)	(a)	(a)	(a)	(a)
Arsenic	802	3,146	236,704	81,742	322,394
Barium	5,224	24,992	5,097,060	618,868	5,746,145
Beryllium	27	(a)	19,290	9,600	28,917
Cadmium	(a)	(a)	(a)	(a)	(a)
Chromium	3,618	312	432,940	436,840	873,711
Cobalt	1,121	361	169,195	50,000	220,677
Copper	2,031	1,702	603,531	221,060	828,324
Lead	1,288	89	245,837	67,015	314,229
Manganese	4,732	36,255	1,295,010	192,460	1,528,457
Mercury	452	6	4,825	989	6,272
Nickel	4,663	1,249	403,645	232,700	642,257
Selenium	11,430	1,801	52,450	24,081	89,763
Silver	(a)	(a)	(a)	(a)	(a)
Thallium	16	(a)	42,005	(a)	42,021
Vanadium	2,347	(a)	955,800	240,000	1,198,147
Zinc	13,453	725	590,786	160,000	764,964
Hydrochloric Acid Aerosol	372,090	(b)	(b)	(b)	372,090
Hydrogen Fluoride	543,550	(b)	(b)	(b)	543,550
Sulfuric Acid Aerosol	1,868,010	(b)	(b)	(b)	1,868,010
Ammonia	56,862	52,801	(a)	(a)	109,663
Chlorine	(a)	(a)	(a)	(a)	(a)
Benzo(g,h,i)perylene	1	(a)	(a)	(a)	1
PACs	23	(a)	(a)	(a)	23
Dioxins (grams)	9	(a)	(a)	(a)	9
Dioxins (ounces)	(a)	(a)	(a)	(a)	(a)
Dioxins (ounces TEQ) (c)	(a)	(a)	(a)	(a)	(a)
	<b>Air</b>	<b>Water</b>	<b>On-site Land</b>	<b>Off-site Transfer</b>	<b>Total</b>
<b>Totals (a)(b)(d)(e)(f)(g)</b>	2,891,749	123,440	10,149,078	2,335,356	15,499,623

- Notes (a) The management and release of this substance falls below reporting levels set by the U.S. EPA.  
 (b) U.S. EPA only requires reporting of airborne forms of hydrochloric and sulfuric acid.  
 (c) Toxic equivalent; see www.AEP.com for further explanation.  
 (d) AEP System TRI reportable numbers include 1,230; 129; 264; 205 and 95 megawatts of generation capacity owned by others at Cardinal, Conesville, Flint Creek, Oklaunion and Pirkey power plants, respectively. Numbers do not include 262 megawatts of generation at Dolet Hills power plant (located in Louisiana, 650 megawatts total) owned by AEP and operated by CLECO.  
 (e) U.S. EPA reporting rules require that the Conesville coal preparation plant be combined with the Conesville power plant as a single reporting facility.  
 (f) Transfer includes quantities of the chemical substance sent off-site for disposal.  
 (g) AEP owns and operates multiple power plants in Arkansas, Indiana, Louisiana, Ohio, Oklahoma, Texas and West Virginia that are primarily fueled by natural gas. Of these, none met the requirements to report TRI releases in 2017.