

Portfolio Carbon Footprint Analysis

	Portfolio	S&P500	% of S&P500
Weighted average emissions* in thousands of metric tons	3,795	5,159	74%
Weighted average intensity** in tons of CO2e per \$1mm of sales	94.3	141.9	66%

Portfolio Top Emitters

Company Name	CO2e Emissions
Exxon Mobil Corp	122,000
Chevron Corp	63,000
Berkshire Hathaway Inc	62,924
Nextera Energy Inc	39,346
Phillips 66	35,700

S&P 500 Top Emitters

Company Name	CO2e Emissions
Exxon Mobil Corp	122,000
Southern Co	101,466
Duke Energy Corp	96,662
American Electric Power Company Inc	91,101
AES Corp	63,723

Portfolio Top Intensity

Company Name	CO2e Intensity
Air Products and Chemicals Inc	3,057.0
Nextera Energy Inc	2,350.3
Linde PLC	1,671.1
Public Service Enterprise Group Inc	1,435.8
Occidental Petroleum Corp	1,225.0

S&P 500 Top Intensity

Company Name	CO2e Intensity
Evergy Inc	6,152.4
AES Corp	6,051.6
American Electric Power Company Inc	5,625.0
Alliant Energy Corp	4,942.4
Ameren Corp	4,900.2

	Total	Comm Svcs	Cons Disc	Cons Stap	Energy	Financials	Health Care	Industrials	Info Tech	Materials	Real Estate	Utilities
Portfolio **	94.3	2.0	4.2	5.1	13.4	2.9	3.0	11.0	7.0	18.7	1.4	25.6
S&P500 **	141.9	2.4	4.5	3.9	13.3	5.1	2.6	13.3	6.6	19.9	1.2	69.0

* **Carbon emissions** are measured in thousands of metric tons over calendar year 2018

** **Carbon intensity** measures the tons of carbon dioxide equivalent (CO2e) emissions produced to generate \$1 million in sales

Data from MSCI and F.L.Putnam