

FREIGHT

Freight Shipments To, From, and Within Virginia

The following tables summarize data from the new and improved version of the Freight Analysis Framework (FAF^{2.2}). FAF^{2.2} integrates data from several sources to estimate commodity flows and related freight transportation activity among major metropolitan areas, states, regions, and international gateways. FAF^{2.2} data should not be compared with the original FAF data because estimation methods have been improved and data coverage is more complete. Additional information is available at www.ops.fhwa.dot.gov/freight/freight_analysis/faf.

Shipments by Weight: 2002 and 2035 (Millions of Tons)

| | 2002 | | | | | | 2035 | | | | | |
|---|--------------|---------|------------|---------|----------|---------|--------------|---------|------------|---------|----------|---------|
| | Within State | | From State | | To State | | Within State | | From State | | To State | |
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 247.3 | 100 | 133.2 | 100 | 140.0 | 100 | 359.7 | 100 | 203.1 | 100 | 350.6 | 100 |
| Truck | 230.1 | 93 | 68.3 | 51 | 82.0 | 59 | 334.1 | 93 | 128.7 | 63 | 219.8 | 63 |
| Rail | 7.0 | 3 | 39.1 | 29 | 28.1 | 20 | 5.1 | 1 | 20.4 | 10 | 57.5 | 16 |
| Water | 1.6 | <1 | 0.2 | <1 | 0.8 | <1 | 2.6 | <1 | 0.2 | <1 | 21.7 | 6 |
| Air, air & truck | <0.1 | <1 | <0.1 | <1 | <0.1 | <1 | <0.1 | <1 | <0.1 | <1 | 0.1 | <1 |
| Truck & rail | <0.1 | <1 | <0.1 | <1 | 1.1 | <1 | <0.1 | <1 | <0.1 | <1 | 2.1 | <1 |
| Other intermodal¹ | 0.5 | <1 | 1.6 | 1 | 1.3 | <1 | 1.0 | <1 | 4.0 | 2 | 1.6 | <1 |
| Pipeline & unknown² | 7.9 | 3 | 23.8 | 18 | 26.7 | 19 | 16.9 | 5 | 49.8 | 24 | 47.7 | 14 |

¹Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; ²Pipeline and unknown shipments are combined because data on region-to-region flows by pipeline are statistically uncertain. Note: Numbers may not add to totals due to rounding.

Shipments by Value: 2002 and 2035 (\$ Millions)

| | 2002 | | | | | | 2035 | | | | | |
|---|--------------|---------|------------|---------|-----------|---------|--------------|---------|------------|---------|-----------|---------|
| | Within State | | From State | | To State | | Within State | | From State | | To State | |
| | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent | Number | Percent |
| Total | 103,389.9 | 100 | 117,973.4 | 100 | 165,734.7 | 100 | 213,129.3 | 100 | 294,752.5 | 100 | 466,896.3 | 100 |
| Truck | 96,099.3 | 93 | 93,790.5 | 80 | 127,233.3 | 77 | 188,292.3 | 88 | 227,023.7 | 77 | 348,113.3 | 75 |
| Rail | 544.8 | <1 | 2,692.3 | 2 | 5,579.9 | 3 | 342.7 | <1 | 2,003.0 | <1 | 11,245.3 | 2 |
| Water | 80.2 | <1 | 1.9 | <1 | 242.9 | <1 | 64.1 | <1 | 1.9 | <1 | 707.7 | <1 |
| Air, air & truck | 4.9 | <1 | 2,002.6 | 2 | 3,229.2 | 2 | 7.3 | <1 | 3,418.6 | 1 | 8,756.0 | 2 |
| Truck & rail | 51.5 | <1 | 476.1 | <1 | 1,246.8 | <1 | 25.6 | <1 | 161.6 | <1 | 3,193.6 | <1 |
| Other intermodal¹ | 2,382.5 | 2 | 10,333.5 | 9 | 18,798.0 | 11 | 16,185.3 | 8 | 45,744.1 | 16 | 70,906.0 | 15 |
| Pipeline & unknown² | 4,226.7 | 4 | 8,676.4 | 7 | 9,404.6 | 6 | 8,212.0 | 4 | 16,399.6 | 6 | 23,974.2 | 5 |

¹Other intermodal includes U.S. Postal Service and courier shipments and all intermodal combinations except air and truck; ²Pipeline and unknown shipments are combined because data on region-to-region flows by pipeline are statistically uncertain. Note: Numbers may not add to totals due to rounding.

Top Commodities by Weight and Value: 2002

| Tons (millions) | | | | | | Value (\$ millions) | | | | | |
|-----------------------------------|-------|-----------------------------------|-------|-----------------------------------|-------|-----------------------------|-----------|---------------------------|-----------|-----------------------------|-----------|
| Within State | | From State | | To State | | Within State | | From State | | To State | |
| Total | 247.3 | Total | 133.2 | Total | 140.0 | Total | 103,389.9 | Total | 117,973.4 | Total | 165,734.7 |
| Gravel | 73.0 | Coal | 38.4 | Coal, n.e.c. ² | 25.6 | Mixed freight | 16,124.2 | Machinery | 14,324.4 | Machinery | 23,965.3 |
| Waste/scrap | 24.8 | Coal, n.e.c. ² | 24.6 | Coal | 18.3 | Machinery | 13,551.0 | Electronics | 12,424.7 | Electronics | 14,289.2 |
| Logs | 21.9 | Nonmetal min. prods. ¹ | 6.5 | Nonmetal min. prods. ¹ | 8.8 | Tobacco prods. | 11,880.1 | Textiles/leather | 11,718.4 | Textiles/leather | 14,225.3 |
| Coal | 18.1 | Gravel | 5.1 | Natural sands | 7.8 | Unknown | 5,377.7 | Coal, n.e.c. ² | 7,350.2 | Mixed freight | 11,851.4 |
| Nonmetal min. prods. ¹ | 15.4 | Wood prods. | 3.9 | Waste/scrap | 7.3 | Motor vehicles ³ | 4,283.9 | Plastics/rubber | 7,060.8 | Motor vehicles ³ | 11,064.1 |

¹Nonmetallic mineral products; ²Coal and petroleum products, not elsewhere classified; ³Motorized and other vehicles (including parts).

Top Trading Partners: 2002

| Tons (millions) | | | Value (\$ millions) | | |
|-----------------|--------|---------|---------------------|-----------|---------|
| | Number | Percent | | Number | Percent |
| Total | 273.3 | 100 | Total | 283,708.1 | 100 |
| Foreign | 27.0 | 10 | Foreign | 27,159.0 | 10 |
| MD | 54.3 | 20 | MD | 41,304.2 | 15 |
| NC | 50.4 | 18 | NC | 36,971.8 | 13 |
| WV | 24.5 | 9 | PA | 21,213.5 | 7 |
| PA | 16.8 | 6 | CA | 13,722.9 | 5 |

Note: Numbers may not add to totals due to rounding.

Top Trading Partners: 2035

| Tons (millions) | | | Value (\$ millions) | | |
|-----------------|--------|---------|---------------------|-----------|---------|
| | Number | Percent | | Number | Percent |
| Total | 553.7 | 100 | Total | 761,648.8 | 100 |
| Foreign | 50.2 | 9 | Foreign | 108,137.0 | 14 |
| MD | 166.0 | 30 | MD | 115,222.4 | 15 |
| NC | 96.2 | 17 | NC | 76,217.0 | 10 |
| WV | 41.9 | 8 | PA | 52,881.0 | 7 |
| KY | 31.3 | 6 | CA | 40,841.1 | 5 |

Note: Numbers may not add to totals due to rounding.

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Freight Analysis Framework



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