APPENDIX 4

Truck Commodity Flow Tables

INBOUND TRUCK COMMODITY FLOWS, 2024-2050

Source: USDOT/BTS Freight Analysis Framework ver. 5.7.1

Destination (State)	Commodity	Tonnage (thousands of tons)		Pct. Change	Value (millions of dollars)		Pct. Change
		2024	*2050*		*2024*	*2050*	
42-Pennsylvania	01-Live animals/fish	2,275	6,269	175.5%	$3,972	$11,063	178.5%
42-Pennsylvania	02-Cereal grains	13,109	10,252	-21.8%	$2,068	$1,678	-18.8%
42-Pennsylvania	03-Other ag prods.	8,847	9,933	12.3%	$8,333	$9,620	15.5%
42-Pennsylvania	04-Animal feed	10,914	18,741	71.7%	$6,958	$11,774	69.2%
42-Pennsylvania	05-Meat/seafood	4,652	6,513	40.0%	$16,237	$21,690	33.6%
42-Pennsylvania	06-Milled grain prods.	5,942	11,315	90.4%	$15,718	$28,585	81.9%
42-Pennsylvania	07-Other foodstuffs	34,231	53,253	55.6%	$40,058	$59,993	49.8%
42-Pennsylvania	08-Alcoholic beverages	3,363	5,745	70.8%	$4,924	$8,466	71.9%
42-Pennsylvania	09-Tobacco prods.	154	135	-12.2%	$2,266	$2,105	-7.1%
42-Pennsylvania	10-Building stone	245	621	153.6%	$174	$445	155.9%
42-Pennsylvania	11-Natural sands	12,420	18,970	52.7%	$289	$444	53.7%
42-Pennsylvania	12-Gravel	72,469	115,311	59.1%	$819	$1,302	58.9%
42-Pennsylvania	13-Nonmetallic minerals	13,003	25,936	99.5%	$638	$1,160	81.8%
42-Pennsylvania	14-Metallic ores	1,056	265	-74.9%	$889	$1,182	32.9%
42-Pennsylvania	15-Coal	16,831	2,466	-85.3%	$1,068	$172	-83.9%
42-Pennsylvania	16-Crude petroleum	244	170	-30.5%	$74	$51	-31.7%
42-Pennsylvania	17-Gasoline	11,169	5,949	-46.7%	$5,791	$3,115	-46.2%
42-Pennsylvania	18-Fuel oils	10,851	10,832	-0.2%	$5,509	$5,337	-3.1%
42-Pennsylvania	19-Natural gas and other fo	20,197	26,086	29.2%	$9,585	$12,494	30.3%
42-Pennsylvania	20-Basic chemicals	9,107	30,628	236.3%	$10,159	$32,121	216.2%
42-Pennsylvania	21-Pharmaceuticals	1,727	2,583	49.6%	$62,351	$132,708	112.8%
42-Pennsylvania	22-Fertilizers	3,022	7,224	139.0%	$1,046	$2,289	118.8%
42-Pennsylvania	23-Chemical prods.	6,500	17,065	162.5%	$17,127	$44,126	157.6%
42-Pennsylvania	24-Plastics/rubber	7,634	19,183	151.3%	$25,315	$64,539	154.9%
42-Pennsylvania	25-Logs	11,538	15,113	31.0%	$609	$738	21.3%
42-Pennsylvania	26-Wood prods.	13,954	22,545	61.6%	$10,573	$17,289	63.5%

INBOUND TRUCK COMMODITY FLOWS, 2024-2050

Source: USDOT/BTS Freight Analysis Framework ver. 5.7.1

Destination (State)	Commodity	Tonnage (thousands of tons)		Pct. Change	Value (millions of dollars)		Pct. Change
		2024	*2050*		*2024*	*2050*	
42-Pennsylvania	27-Newsprint/paper	4,222	7,899	87.1%	$4,415	$8,180	85.3%
42-Pennsylvania	28-Paper articles	4,073	7,988	96.1%	$8,430	$16,992	101.6%
42-Pennsylvania	29-Printed prods.	1,627	2,049	25.9%	$4,929	$5,655	14.7%
42-Pennsylvania	30-Textiles/leather	1,435	3,260	127.2%	$13,743	$34,457	150.7%
42-Pennsylvania	31-Nonmetal min. prods.	31,776	52,569	65.4%	$7,389	$13,097	77.3%
42-Pennsylvania	32-Base metals	18,856	25,316	34.3%	$26,188	$35,389	35.1%
42-Pennsylvania	33-Articles-base metal	5,042	8,320	65.0%	$12,689	$20,907	64.8%
42-Pennsylvania	34-Machinery	3,774	6,580	74.3%	$25,518	$49,772	95.0%
42-Pennsylvania	35-Electronics	3,035	4,689	54.5%	$38,356	$63,647	65.9%
42-Pennsylvania	36-Motorized vehicles	4,093	6,148	50.2%	$33,429	$54,377	62.7%
42-Pennsylvania	37-Transport equip.	135	166	23.4%	$1,659	$2,951	77.8%
42-Pennsylvania	38-Precision instruments	485	652	34.3%	$8,546	$23,289	172.5%
42-Pennsylvania	39-Furniture	1,551	3,770	143.1%	$8,395	$19,796	135.8%
42-Pennsylvania	40-Misc. mfg. prods.	3,572	11,505	222.1%	$18,916	$59,359	213.8%
42-Pennsylvania	41-Waste/scrap	34,847	42,179	21.0%	$3,713	$4,835	30.2%
42-Pennsylvania	43-Mixed freight	18,455	35,931	94.7%	$55,429	$107,466	93.9%

OUTBOUND TRUCK COMMODITY FLOWS, 2024-2050

Source: USDOT/BTS Freight Analysis Framework ver. 5.7.1

Origin (State)	Commodity	Tonnage (thousands of tons)		Pct. Change	Value (millions of dollars)		Pct. Change
		2024	*2050*		*2024*	*2050*	
42-Pennsylvania	01-Live animals/fish	2,588	7,628	194.7%	$4,433	$12,984	192.9%
42-Pennsylvania	02-Cereal grains	6,160	7,651	24.2%	$860	$1,103	28.3%
42-Pennsylvania	03-Other ag prods.	8,501	8,317	-2.2%	$9,348	$8,805	-5.8%
42-Pennsylvania	04-Animal feed	12,141	22,388	84.4%	$8,669	$15,844	82.8%
42-Pennsylvania	05-Meat/seafood	3,925	6,420	63.6%	$15,010	$23,349	55.6%
42-Pennsylvania	06-Milled grain prods.	5,197	8,799	69.3%	$12,367	$20,752	67.8%
42-Pennsylvania	07-Other foodstuffs	31,294	48,651	55.5%	$31,685	$47,982	51.4%
42-Pennsylvania	08-Alcoholic beverages	2,186	4,195	91.9%	$3,483	$6,636	90.5%
42-Pennsylvania	09-Tobacco prods.	213	276	29.8%	$1,674	$2,519	50.5%
42-Pennsylvania	10-Building stone	558	1,282	129.8%	$284	$669	135.6%
42-Pennsylvania	11-Natural sands	7,018	11,613	65.5%	$179	$309	72.8%
42-Pennsylvania	12-Gravel	77,755	125,563	61.5%	$907	$1,506	66.1%
42-Pennsylvania	13-Nonmetallic minerals	12,637	26,774	111.9%	$695	$1,546	122.6%
42-Pennsylvania	14-Metallic ores	488	99	-79.8%	$172	$269	56.3%
42-Pennsylvania	15-Coal	28,499	6,796	-76.2%	$1,826	$836	-54.3%
42-Pennsylvania	16-Crude petroleum	110	97	-12.0%	$33	$29	-12.0%
42-Pennsylvania	17-Gasoline	12,347	3,486	-71.8%	$6,608	$1,843	-72.1%
42-Pennsylvania	18-Fuel oils	11,803	10,240	-13.2%	$5,758	$4,753	-17.5%
42-Pennsylvania	19-Natural gas and other fo	20,601	25,936	25.9%	$11,367	$13,410	18.0%
42-Pennsylvania	20-Basic chemicals	9,388	32,363	244.7%	$9,574	$31,415	228.1%
42-Pennsylvania	21-Pharmaceuticals	860	1,380	60.6%	$65,475	$170,645	160.6%
42-Pennsylvania	22-Fertilizers	2,469	5,897	138.8%	$1,507	$3,291	118.4%
42-Pennsylvania	23-Chemical prods.	5,918	15,426	160.6%	$16,752	$43,345	158.7%
42-Pennsylvania	24-Plastics/rubber	7,264	19,522	168.8%	$23,794	$64,476	171.0%
42-Pennsylvania	25-Logs	12,175	16,898	38.8%	$603	$1,057	75.2%
42-Pennsylvania	26-Wood prods.	14,123	20,987	48.6%	$12,405	$18,681	50.6%

OUTBOUND TRUCK COMMODITY FLOWS, 2024-2050

Source: USDOT/BTS Freight Analysis Framework ver. 5.7.1

Origin (State)	Commodity	Tonnage (thousands of tons)		Pct. Change	Value (millions of dollars)		Pct. Change
		2024	*2050*		*2024*	*2050*	
42-Pennsylvania	27-Newsprint/paper	2,641	4,328	63.8%	$3,282	$5,139	56.6%
42-Pennsylvania	28-Paper articles	5,870	12,553	113.8%	$12,829	$28,025	118.4%
42-Pennsylvania	29-Printed prods.	2,000	2,785	39.3%	$5,403	$7,890	46.0%
42-Pennsylvania	30-Textiles/leather	1,401	3,762	168.6%	$10,781	$30,824	185.9%
42-Pennsylvania	31-Nonmetal min. prods.	40,391	65,638	62.5%	$10,550	$17,228	63.3%
42-Pennsylvania	32-Base metals	23,602	33,247	40.9%	$36,358	$48,214	32.6%
42-Pennsylvania	33-Articles-base metal	6,009	10,371	72.6%	$17,078	$29,615	73.4%
42-Pennsylvania	34-Machinery	3,388	5,733	69.2%	$29,713	$54,674	84.0%
42-Pennsylvania	35-Electronics	3,113	4,776	53.4%	$38,343	$56,193	46.6%
42-Pennsylvania	36-Motorized vehicles	2,999	4,068	35.6%	$24,322	$36,112	48.5%
42-Pennsylvania	37-Transport equip.	167	113	-32.3%	$1,979	$3,278	65.7%
42-Pennsylvania	38-Precision instruments	570	807	41.6%	$7,782	$16,913	117.3%
42-Pennsylvania	39-Furniture	1,498	3,589	139.5%	$8,372	$18,867	125.3%
42-Pennsylvania	40-Misc. mfg. prods.	4,134	12,566	204.0%	$20,599	$62,987	205.8%
42-Pennsylvania	41-Waste/scrap	29,336	37,052	26.3%	$3,055	$4,151	35.9%
42-Pennsylvania	43-Mixed freight	21,634	43,349	100.4%	$69,198	$139,153	101.1%