



Terminal 5 Uplands Modernization and Rehabilitation Project Final Phase

U.S. DEPARTMENT OF TRANSPORTATION
National Infrastructure Investments
DTOS59-20-RA-BUILD

APPENDIX E3

PIERS DATA SUMMARY

May 14, 2020

PIERS Data Summary

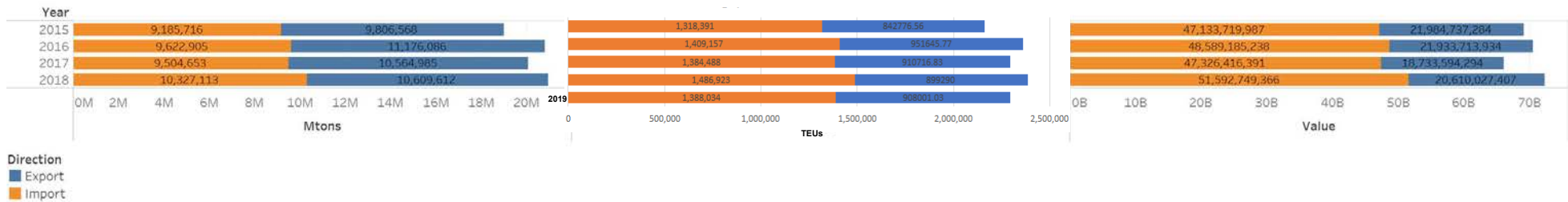
Taken from:

US Port Market Share of Reefer Exports 2014-2018, TEU 2019

PIERS, Foreign Full TEUs

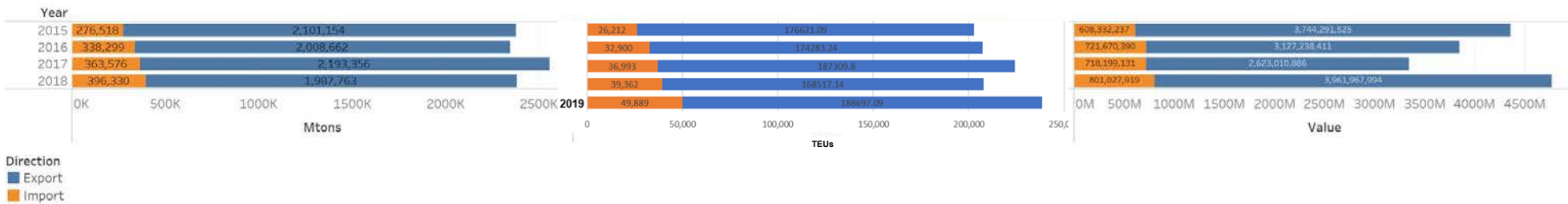
Imports vs. Exports

(Seattle and Tacoma - All Cargo)



Imports vs. Exports

(Seattle and Tacoma - Reefers Only)



Row Labels	Column Labels									
	2014		2015		2016		2017		2018	
	Volume	Share	Volume	Share	Volume	Share	Volume	Share	Volume	Share
NWSA	188,541	18.6%	176,497	18.8%	174,138	17.9%	187,195	18.3%	168,469	18.0%
OAKLAND	118,585	11.7%	92,338	9.8%	128,545	13.2%	132,292	12.9%	121,396	12.9%
LOS ANGELES	111,799	11.1%	86,415	9.2%	82,313	8.4%	90,271	8.8%	85,994	9.2%
SAVANNAH	100,891	10.0%	88,015	9.4%	84,143	8.6%	85,496	8.4%	76,006	8.1%
JACKSONVILLE	67,950	6.7%	76,934	8.2%	76,239	7.8%	74,331	7.3%	81,784	8.7%
LONG BEACH	67,616	6.7%	68,084	7.3%	71,288	7.3%	61,660	6.0%	60,256	6.4%
CHARLESTON	36,246	3.6%	40,536	4.3%	48,825	5.0%	52,097	5.1%	50,355	5.4%
NORFOLK	47,212	4.7%	46,797	5.0%	42,977	4.4%	44,021	4.3%	39,709	4.2%
PT EVERGLADES	33,166	3.3%	33,399	3.6%	41,795	4.3%	48,986	4.8%	40,194	4.3%
HOUSTON	36,833	3.6%	35,009	3.7%	32,554	3.3%	39,801	3.9%	32,817	3.5%
NEW YORK	32,772	3.2%	34,231	3.7%	29,628	3.0%	29,361	2.9%	29,609	3.2%
DUTCH HBR	26,648	2.6%	25,050	2.7%	22,985	2.4%	32,072	3.1%	26,943	2.9%
W PALM BCH	29,093	2.9%	29,379	3.1%	29,188	3.0%	28,927	2.8%	13,538	1.4%
NEW ORLEANS	18,455	1.8%	21,411	2.3%	25,068	2.6%	24,333	2.4%	18,610	2.0%
MIAMI	18,141	1.8%	20,528	2.2%	20,090	2.1%	23,026	2.3%	19,645	2.1%
PHILADELPHIA	16,401	1.6%	10,005	1.1%	7,808	0.8%	8,589	0.8%	9,233	1.0%
WILMINGTON NC	7,371	0.7%	7,815	0.8%	9,914	1.0%	9,480	0.9%	14,488	1.5%
MOBILE	13,037	1.3%	6,737	0.7%	7,682	0.8%	6,712	0.7%	7,079	0.8%
BALTIMORE	5,451	0.5%	5,851	0.6%	6,043	0.6%	7,587	0.7%	8,511	0.9%
GULFPORT	7,200	0.7%	5,966	0.6%	4,649	0.5%	5,267	0.5%	9,427	1.0%
PENNSAUKEN	4,874	0.5%	7,164	0.8%	8,287	0.8%	8,370	0.8%		0.0%
HONOLULU	5,148	0.5%	5,380	0.6%	5,933	0.6%	5,282	0.5%	5,040	0.5%
PT HUENEME	2,550	0.3%	2,423	0.3%	3,961	0.4%	4,126	0.4%	3,644	0.4%
BOSTON	2,683	0.3%	1,998	0.2%	2,197	0.2%	2,024	0.2%	1,979	0.2%
PORTLAND OR	7,743	0.8%	1,197	0.1%		0.0%		0.0%		0.0%
CHESTER PA	99	0.0%	166	0.0%	203	0.0%	124	0.0%	8,278	0.9%
WILMINGTON DE	1,919	0.2%	2,549	0.3%	1,554	0.2%	984	0.1%	713	0.1%
KODIAK	294	0.0%	2,236	0.2%	1,656	0.2%	1,164	0.1%	1,206	0.1%
FREEMONT TX	460	0.0%	957	0.1%	1,341	0.1%	1,188	0.1%	918	0.1%
ANCHORAGE	180	0.0%	276	0.0%	1,608	0.2%	1,698	0.2%	122	0.0%
PT CANAVERAL		0.0%		0.0%		0.0%	3,374	0.3%	232	0.0%
SAN JUAN	673	0.1%	551	0.1%	1,213	0.1%	327	0.0%	74	0.0%
SAN DIEGO	435	0.0%	361	0.0%	366	0.0%	711	0.1%	403	0.0%
SALEM NJ	274	0.0%	225	0.0%	222	0.0%	101	0.0%	229	0.0%
VANCOUVER BC		0.0%	94	0.0%	360	0.0%	80	0.0%	425	0.0%
PANAMA CY FL	164	0.0%	249	0.0%	171	0.0%	226	0.0%	144	0.0%
NEWPORT NEWS	195	0.0%	210	0.0%	74	0.0%	54	0.0%	7	0.0%
GLOUCESTER CY	91	0.0%	298	0.0%	86	0.0%	51	0.0%	6	0.0%
FERNANDINA BCH	79	0.0%	95	0.0%	95	0.0%	94	0.0%	103	0.0%
GALVESTON	65	0.0%		0.0%	2	0.0%	21	0.0%	93	0.0%
TAMPA	31	0.0%	32	0.0%	23	0.0%	42	0.0%	11	0.0%
BEAUMONT	14	0.0%	78	0.0%		0.0%		0.0%		0.0%
EVERETT		0.0%	78	0.0%		0.0%		0.0%		0.0%
S LOUISIANA	66	0.0%	4	0.0%	0	0.0%		0.0%		0.0%
MANATEE	4	0.0%	14	0.0%	34	0.0%	14	0.0%	4	0.0%
BRUNSWICK	9	0.0%	50	0.0%		0.0%		0.0%		0.0%
SAN FRANCISCO	25	0.0%	18	0.0%		0.0%		0.0%		0.0%
GLOUCESTER MA	34	0.0%		0.0%		0.0%		0.0%		0.0%
CHICAGO		0.0%		0.0%		0.0%	21	0.0%	10	0.0%
LONGVIEW	21	0.0%		0.0%		0.0%		0.0%		0.0%
MARCUS HOOK	18	0.0%		0.0%		0.0%	1	0.0%		0.0%
REDWOOD CY	18	0.0%		0.0%		0.0%		0.0%		0.0%
ANACORTES	17	0.0%		0.0%		0.0%		0.0%		0.0%
VANCOUVER WA	2	0.0%	10	0.0%	4	0.0%		0.0%		0.0%
LK CHARLES		0.0%	5	0.0%		0.0%		0.0%		0.0%
BENICIA		0.0%		0.0%		0.0%	3	0.0%		0.0%
PENSACOLA		0.0%		0.0%		0.0%		0.0%	2	0.0%
Grand Total	1,011,592	100.0%	937,716	100.0%	975,262	100.0%	1,021,583	100.0%	937,708	100.0%

NWSA Commodity
Data Source: PIERS
Volumes in TEUs

Direction	(All)
Reefer	(All)

Row Labels	2016	2017	2018	2019
OIL SEEDS ETC.; MISC GRAIN, SEED, FRUIT, PLANT ETC	199,316	197,383	197,608	215,702
FURNITURE; BEDDING ETC; LAMPS NESOI ETC; PREFAB BD	199,141	205,437	221,270	189,471
NUCLEAR REACTORS, BOILERS, MACHINERY ETC.; PARTS	145,076	139,940	155,072	137,813
TOYS, GAMES & SPORT EQUIPMENT; PARTS & ACCESSORIES	101,546	98,323	108,784	111,112
WOOD AND ARTICLES OF WOOD; WOOD CHARCOAL	134,261	122,005	123,683	102,022
VEHICLES, EXCEPT RAILWAY OR TRAMWAY, AND PARTS ETC	112,691	111,634	109,482	98,805
PLASTICS AND ARTICLES THEREOF	111,623	102,503	97,934	96,278
ELECTRIC MACHINERY ETC; SOUND EQUIP; TV EQUIP; PTS	92,251	92,910	99,612	93,923
PULP OF WOOD ETC; WASTE ETC OF PAPER & PAPERBOARD	97,730	94,591	87,455	82,661
ARTICLES OF IRON OR STEEL	73,509	70,013	73,619	69,278
PAPER & PAPERBOARD & ARTICLES (INC PAPR PULP ARTL)	68,101	72,699	70,645	67,947
PREP VEGETABLES, FRUIT, NUTS OR OTHER PLANT PARTS	53,974	53,597	54,448	67,122
MISCELLANEOUS CARGO	92,289	98,320	87,163	60,109
EDIBLE FRUIT & NUTS; CITRUS FRUIT OR MELON PEEL	50,145	61,474	57,110	59,641
FOOD INDUSTRY RESIDUES & WASTE; PREP ANIMAL FEED	67,062	38,219	60,549	55,477
EDIBLE VEGETABLES & CERTAIN ROOTS & TUBERS	63,651	58,292	50,121	55,383
FOOTWEAR, GAITERS ETC. AND PARTS THEREOF	49,958	46,907	52,692	52,164
RUBBER AND ARTICLES THEREOF	51,359	46,059	48,402	40,656
TEXTILE ART NESOI; NEEDLECRAFT SETS; WORN TEXT ART	28,188	28,646	35,644	40,180
ALUMINUM AND ARTICLES THEREOF	25,128	27,481	30,605	33,207
APPAREL ARTICLES AND ACCESSORIES, NOT KNIT ETC.	31,809	30,208	35,852	31,900
CEREALS	15,192	13,621	31,032	30,803
LEATHER ART; SADDLERY ETC; HANDBAGS ETC; GUT ART	27,660	26,036	31,657	28,828
BEVERAGES, SPIRITS AND VINEGAR	18,553	18,827	22,522	24,437
GLASS AND GLASSWARE	21,837	22,522	25,151	22,899
FISH, CRUSTACEANS & AQUATIC INVERTEBRATES	21,327	25,585	22,545	22,392
DAIRY PRODS; BIRDS EGGS; HONEY; ED ANIMAL PR NESOI	17,510	18,196	18,941	22,236
CERAMIC PRODUCTS	18,693	19,640	24,658	20,484
MISCELLANEOUS EDIBLE PREPARATIONS	18,229	16,042	19,935	20,479
APPAREL ARTICLES AND ACCESSORIES, KNIT OR CROCHET	12,616	12,914	16,112	19,553
MEAT AND EDIBLE MEAT OFFAL	27,133	26,225	21,988	18,483
IRON AND STEEL	24,876	23,393	17,693	17,971

INORG CHEM; PREC & RARE-EARTH MET & RADIOACT COMPD	17,119	17,988	19,087	17,954
MISCELLANEOUS ARTICLES OF BASE METAL	21,560	19,074	20,754	17,760
ORGANIC CHEMICALS	14,459	14,960	14,807	17,038
OPTIC, PHOTO ETC, MEDIC OR SURGICAL INSTRMENTS ETC	19,422	18,148	15,327	14,649
SALT; SULFUR; EARTH & STONE; LIME & CEMENT PLASTER	15,840	16,274	14,548	13,833
TOOLS, CUTLERY ETC. OF BASE METAL & PARTS THEREOF	15,470	14,341	12,984	13,279
MISCELLANEOUS CHEMICAL PRODUCTS	7,838	6,962	10,340	10,897
RAILWAY OR TRAMWAY STOCK ETC; TRAFFIC SIGNAL EQUIP	8,004	8,793	18,361	9,459
AIRCRAFT, SPACECRAFT, AND PARTS THEREOF	11,859	10,027	8,622	8,663
ART OF STONE, PLASTER, CEMENT, ASBESTOS, MICA ETC.	6,834	7,870	8,224	7,746
COFFEE, TEA, MATE & SPICES	7,574	7,969	7,531	7,743
MISCELLANEOUS MANUFACTURED ARTICLES	7,515	6,584	6,682	7,570
MILLING PRODUCTS; MALT; STARCH; INULIN; WHT GLUTEN	7,333	8,206	10,576	7,376
PREP CEREAL, FLOUR, STARCH OR MILK; BAKERS WARES	5,760	5,774	5,309	6,345
MFR OF STRAW, ESPARTO ETC.; BASKETWARE & WICKERWRK	5,001	5,303	5,145	6,206
WADDING, FELT ETC; SP YARN; TWINE, ROPES ETC.	3,128	3,654	4,972	6,129
SOAP ETC; WAXES, POLISH ETC; CANDLES; DENTAL PREPS	4,631	4,530	4,768	6,113
BASE METALS NESOI; CERMETS; ARTICLES THEREOF	4,601	2,460	5,764	6,103
SUGARS AND SUGAR CONFECTIONARY	5,202	6,131	5,275	5,730
PRINTED BOOKS, NEWSPAPERS ETC; MANUSCRIPTS ETC	9,419	6,493	5,418	5,719
MINERAL FUEL, OIL ETC.; BITUMIN SUBST; MINERAL WAX	3,142	3,271	2,245	5,629
PREP FEATHERS, DOWN ETC; ARTIF FLOWERS; H HAIR ART	3,724	4,134	5,647	5,599
RAW HIDES AND SKINS (NO FURSKINS) AND LEATHER	6,642	6,645	4,959	4,947
COTTON, INCLUDING YARN AND WOVEN FABRIC THEREOF	7,427	6,141	6,195	4,939
COPPER AND ARTICLES THEREOF	4,861	3,748	4,883	4,632
ESSENTIAL OILS ETC; PERFUMERY, COSMETIC ETC PREPS	4,514	4,135	4,297	4,052
ANIMAL OR VEGETABLE FATS, OILS ETC. & WAXES	4,714	4,080	4,232	3,837
HEADGEAR AND PARTS THEREOF	4,194	3,431	3,334	3,553
CLOCKS AND WATCHES AND PARTS THEREOF	2,839	1,765	3,117	3,039
MANMADE FILAMENTS, INCLUDING YARNS & WOVEN FABRICS	3,183	2,955	3,082	2,974
ORES, SLAG AND ASH	2,030	1,609	1,759	2,662
MUSICAL INSTRUMENTS; PARTS AND ACCESSORIES THEREOF	1,208	1,173	1,549	2,602
TANNING & DYE EXT ETC; DYE, PAINT, PUTTY ETC; INKS	3,171	2,684	2,239	2,589
EDIBLE PREPARATIONS OF MEAT, FISH, CRUSTACEANS ETC	2,192	2,728	2,625	2,566
IMPREGNATED ETC TEXT FABRICS; TEX ART FOR INDUSTRY	2,052	1,886	1,493	2,475
ALBUMINOIDAL SUBST; MODIFIED STARCH; GLUE; ENZYMES	1,678	1,700	1,459	2,149
LIVE TREES, PLANTS, BULBS ETC.; CUT FLOWERS ETC.	2,071	2,158	1,987	2,115
NAT ETC PEARLS, PREC ETC STONES, PR MET ETC; COIN	665	619	730	2,108
PHARMACEUTICAL PRODUCTS	3,146	2,862	2,449	2,080
CARPETS AND OTHER TEXTILE FLOOR COVERINGS	8,511	8,204	2,377	2,069

MANMADE STAPLE FIBERS, INCL YARNS & WOVEN FABRICS	1,563	1,600	1,119	1,891
ZINC AND ARTICLES THEREOF	140	56	105	1,882
VEGETABLE PLAINTING MATERIALS & PRODUCTS NESOI	765	1,354	1,009	1,877
UMBRELLAS, WALKING-STICKS, RIDING-CROPS ETC, PARTS	1,157	1,203	1,374	1,839
FERTILIZERS	2,196	1,713	1,661	1,456
PRODUCTS OF ANIMAL ORIGIN, NESOI	1,810	1,840	1,529	1,410
SHIPS, BOATS AND FLOATING STRUCTURES	642	781	748	1,286
SILK, INCLUDING YARNS AND WOVEN FABRIC THEREOF	545	525	619	1,211
VEG TEXT FIB NESOI; VEG FIB & PAPER YNS & WOV FAB	2,135	2,024	1,482	1,182
EXPLOSIVES; PYROTECHNICS; MATCHES; PYRO ALLOYS ETC	538	516	854	1,083
PHOTOGRAPHIC OR CINEMATOGRAPHIC GOODS	1,906	1,744	1,292	1,016
COCOA AND COCOA PREPARATIONS	514	495	689	948
WORKS OF ART, COLLECTORS' PIECES AND ANTIQUES	504	393	703	936
TIN AND ARTICLES THEREOF	663	508	742	925
SPEC WOV FABRICS; TUFTED FAB; LACE; TAPESTRIES ETC	469	645	607	901
LAC; GUMS, RESINS & OTHER VEGETABLE SAP & EXTRACT	606	691	910	864
KNITTED OR CROCHETED FABRICS	369	367	374	634
SPECIAL CLASSIFICATION PROVISIONS	23	24	228	530
ARMS AND AMMUNITION; PARTS AND ACCESSORIES THEREOF	215	168	164	439
WOOL & ANIMAL HAIR, INCLUDING YARN & WOVEN FABRIC	421	538	477	403
LEAD AND ARTICLES THEREOF	115	374	286	227
TOBACCO AND MANUFACTURED TOBACCO SUBSTITUTES	141	81	207	208
FURSKINS AND ARTIFICIAL FUR; MANUFACTURES THEREOF	115	155	145	205
NICKEL AND ARTICLES THEREOF	110	76	118	175
CORK AND ARTICLES OF CORK	150	206	304	143
LIVE ANIMALS	25	15	26	19
TEMPORARY LEGISLATION		2		
Grand Total	2,360,803	2,295,205	2,392,903	2,296,035
	2016	2017	2018	2019