



# **RAIL ENERGY TRANSPORTATION ADVISORY COMMITTEE**

## **ENERGY MARKET RAIL FLEET**

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March 1, 2012



# North American Railcar Fleet: Energy Segments Served

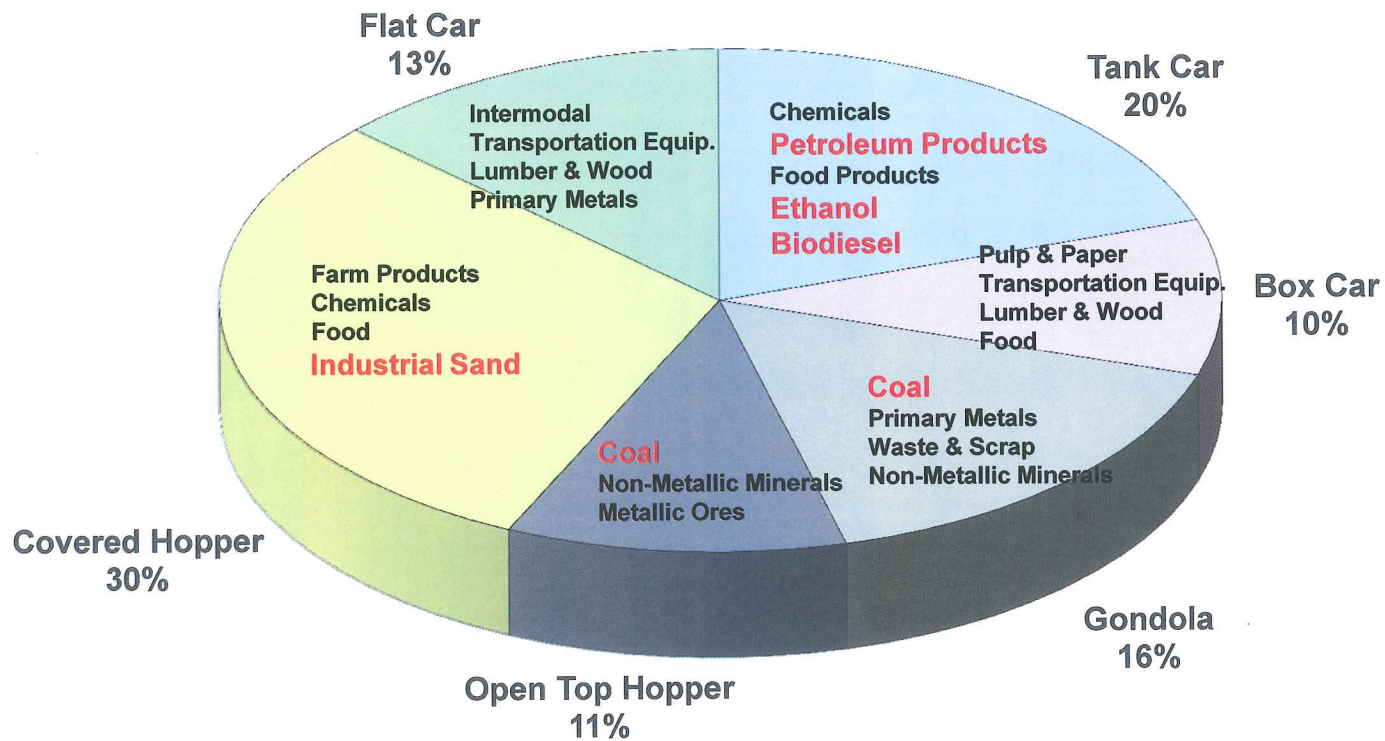
## ENERGY:

- Coal
- Renewable Fuels
- Petroleum Products / Shale Oil / Oil Sands
- Frac Sand

# North American Railcar Fleet: Segments/Products

Source (Pct.): Railinc 2011 Age of Freight Report

## North American Railcar Percentages & Typical Commodities



# North American Railcar Fleet: Segments/Size/Age

Source: Railinc 2011 Age of Freight Report

## North American Railcar Fleet By Age Grouping (New & Rebuilt)

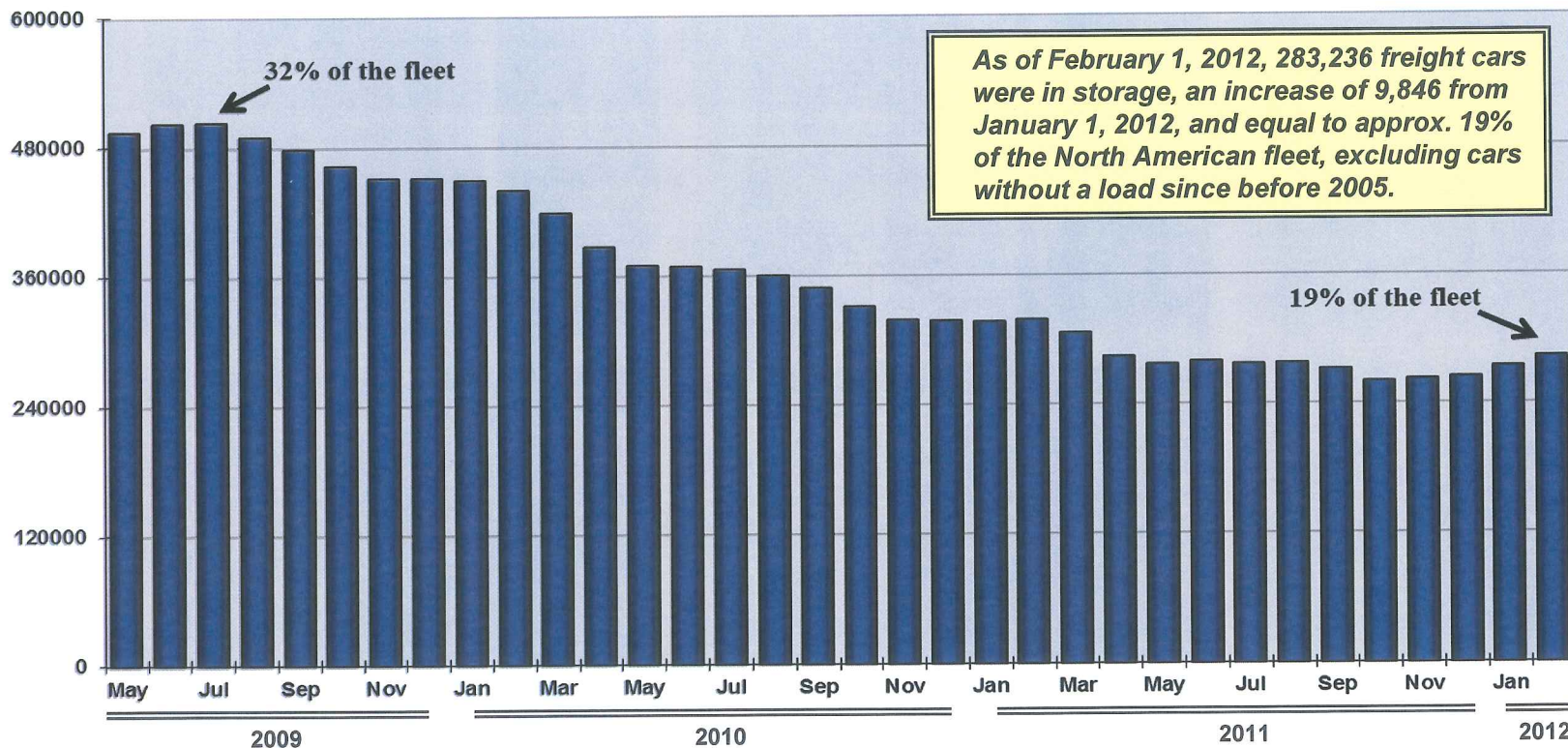
	00-05	06-10	11-15	16-20	21-25	26-30	31-35	36-40	41-50	Total	Avg. Age
Box Cars	3,945	21,877	26,632	11,993	4,199	4,514	57,657	22,783	7,361	160,961	25.0
Covered Hoppers	65,528	36,287	111,870	50,166	31,918	42,125	93,244	44,517	24,631	500,286	22.0
Gondolas	36,479	23,635	52,389	33,934	7,520	21,714	39,452	24,773	23,772	263,668	21.8
Hoppers	32,562	18,185	23,889	22,249	9,274	10,671	34,529	17,221	11,328	179,908	21.2
Flat Cars	14,534	50,983	46,655	34,594	20,959	5,600	15,350	11,647	20,248	220,570	19.5
Tank Cars	65,637	42,219	56,551	39,405	30,069	21,718	33,289	15,142	8,989	313,019	18.1
Other	3	527	543	580	26	938	1,406	1,000	813	5,836	29.2
<b>TOTAL</b>	<b>218,688</b>	<b>193,713</b>	<b>318,529</b>	<b>192,921</b>	<b>103,965</b>	<b>107,280</b>	<b>274,927</b>	<b>137,083</b>	<b>97,142</b>	<b>1,644,248</b>	<b>21.1</b>



# North American Railcar Fleet: Idled Equipment

Source: AAR

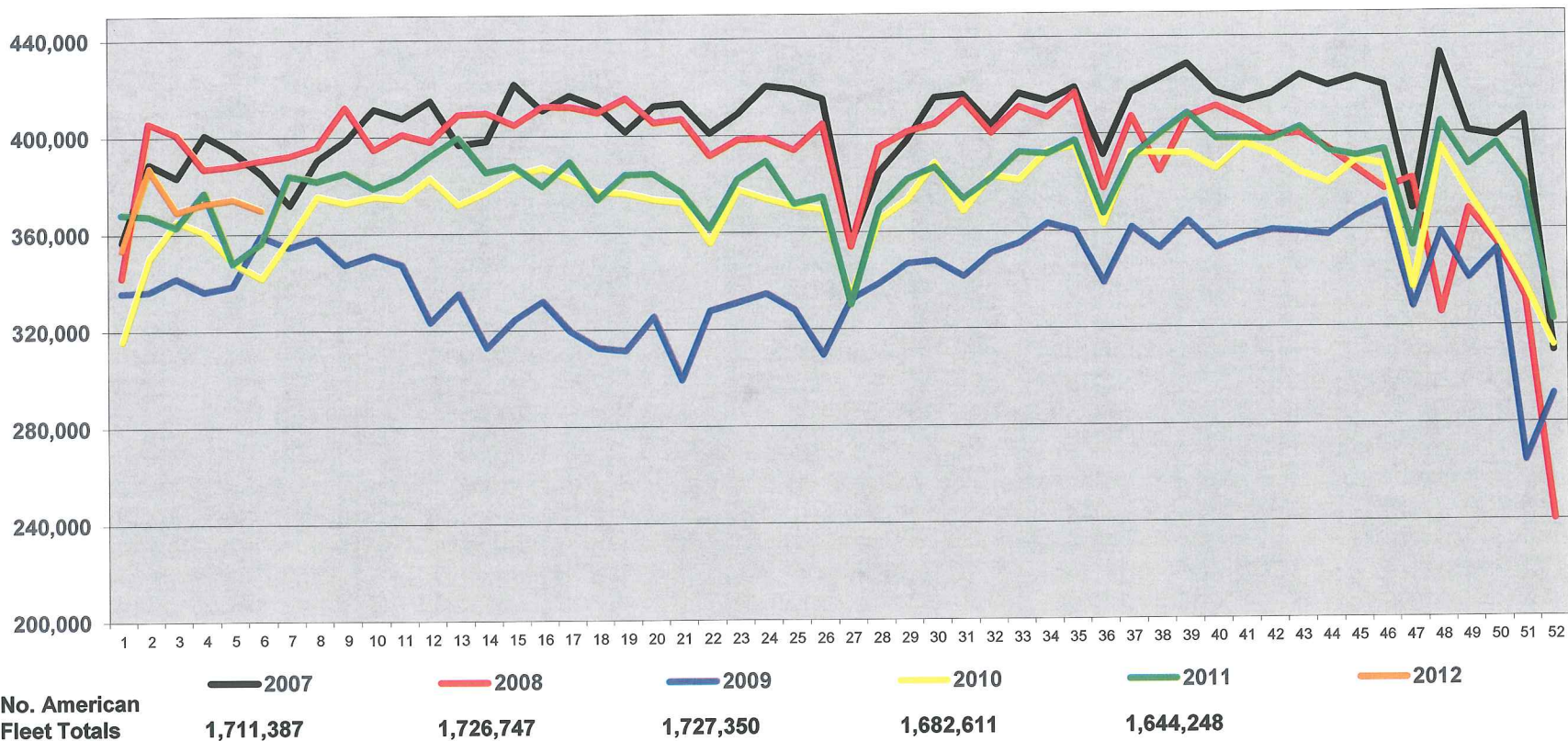
## Idled Rail Equipment



# North American Railcar Fleet: Class I Carloads/Fleet

Source: AAR (Carloadings); Railinc Age of Freight Reports (Fleet Totals)

## North American Weekly Carloadings



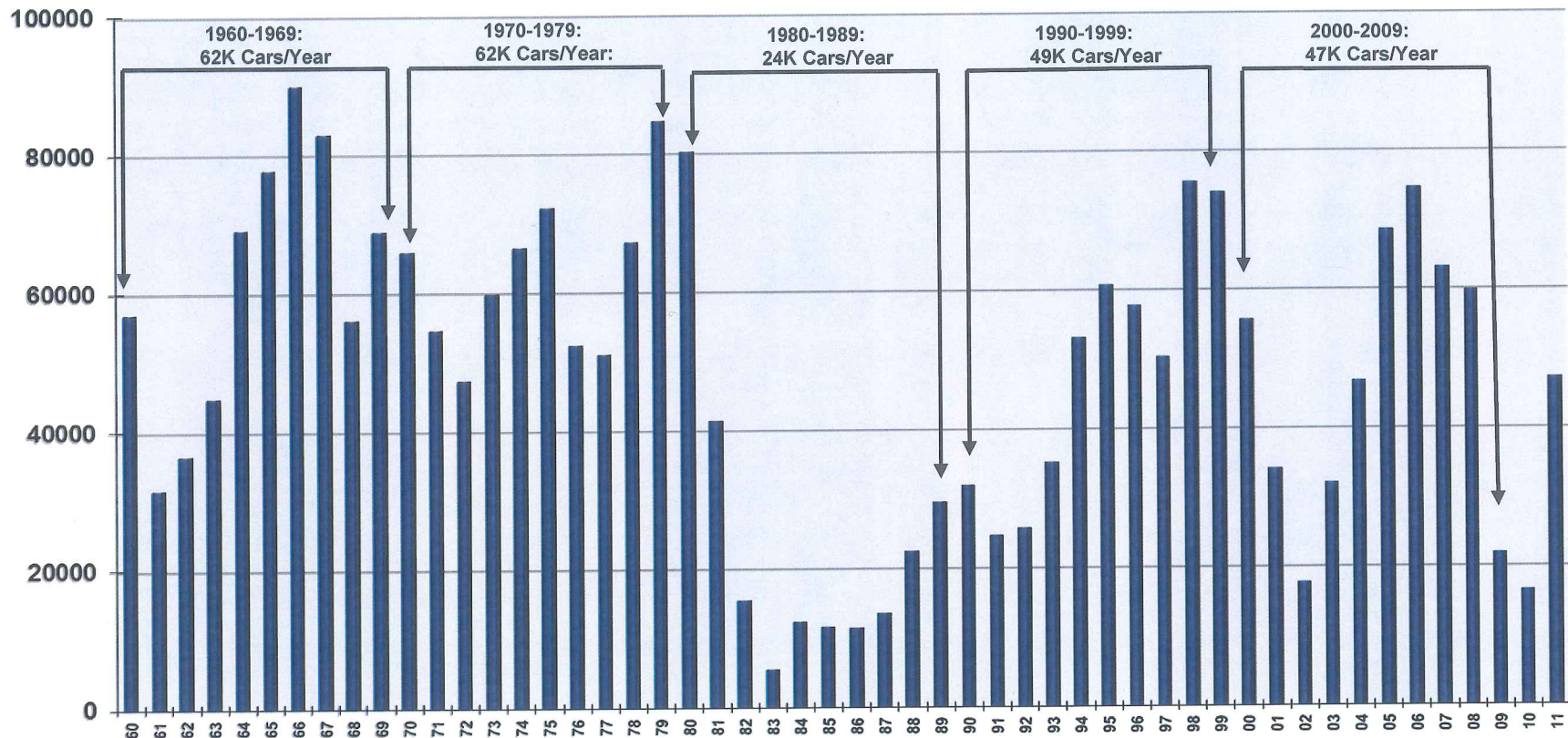
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# North American Railcar Fleet: New Car Deliveries

Source: American Railway Car Institute (ARCI)

## New Freight and Tank Cars

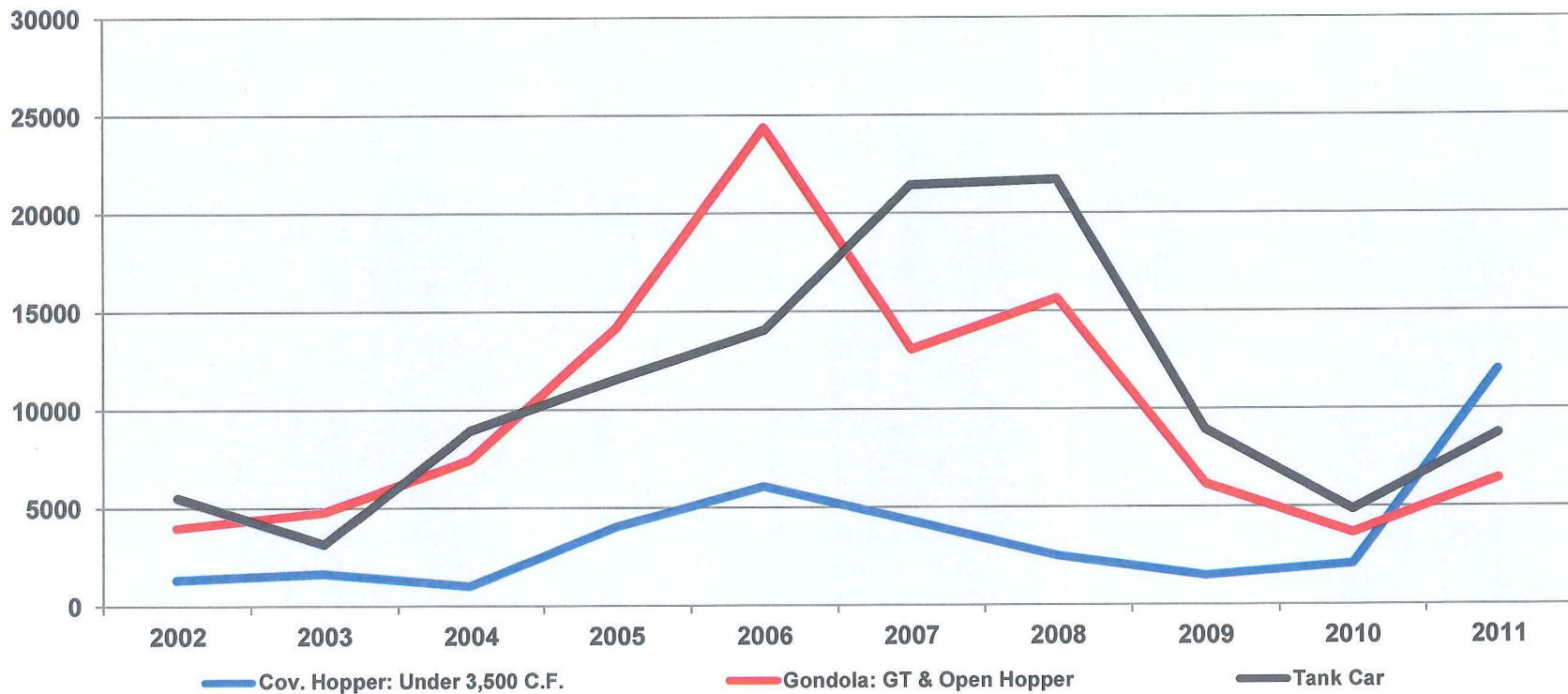


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# North American Railcar Fleet: New Car Deliveries

Source: American Railway Car Institute (ARCI);

New Freight and Tank Cars: Energy





# North American Railcar Fleet: Class I Carloads

Source: Global Insights (Feb. 2012)

## North American Annual Carloadings (000)

	2009	2010	2011	2012F	2013F	2014F	2015F	2016F
Grain	1592	1710	1653	1725	1745	1777	1773	1794
Farm Products	203	210	217	218	222	224	228	231
Metallic Ores	684	1044	1143	1153	1168	1220	1261	1291
Coal	7005	7155	7189	7321	7382	7426	7354	7312
Stone, Sand, & Gravel	852	978	1028	1020	1009	1067	1142	1170
Nonmetallic Minerals	307	343	345	354	357	362	367	372
Grain Mill Products	505	607	587	598	604	612	620	627
Food Products	549	483	487	491	497	506	514	522
Forest Products	155	160	157	153	152	152	153	154
Lumber & Wood	221	247	274	294	338	405	454	475
Paper & Products	474	486	497	489	492	497	505	513
Chemicals & Pdts.	2043	2087	2185	2218	2236	2277	2331	2390
Petroleum & Pdts.	332	582	630	653	669	689	709	738
Stone, Clay, & Glass	483	513	542	542	551	580	618	649
Coke	191	233	230	232	238	252	264	271
Metals & Products	482	680	742	753	770	809	841	858
Motor Vehicles & Parts	834	1025	1118	1172	1243	1333	1399	1409
Waste & Scrap Pdts.	435	501	503	504	512	526	541	552
Other	316	292	295	300	306	315	323	329
<b>Total</b>	<b>17662</b>	<b>19337</b>	<b>19823</b>	<b>20190</b>	<b>20491</b>	<b>21030</b>	<b>21397</b>	<b>21655</b>

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# North American Railcar Fleet: New Car Deliveries

Source: American Railway Car Institute (ARCI); Forecast: Economic Planning Associates (Jan. 2012)

## New Freight and Tank Cars

	FOURTH QTR. (OCT.-DEC.) 2011		2011 YTD TOTALS			DELIVERY FORECAST		
	ORDERS	DELIVERIES	ORDERS	DELIVERIES	BACKLOG	2012	2013	2014
Box Car	50	456	2,822	1,288	1,534	2,500	2,000	1,750
Covered Hoppers:								
Over 5,500 Cu. Ft.	138	227	1,621	1,465	854	2,000	4,000	4,500
3,500-5,500 Cu. Ft.	1,059	2,042	5,513	6,289	3,946	6,500	7,000	7,000
Under 3,500 Cu. Ft.	2,500	4,840	20,848	11,989	13,250	12,000	11,000	9,000
Flat Cars:								
Non-Intermodal	1,479	18	1,997	518	1,479	1,500	1,500	1,500
Intermodal	3,999	2,934	11,385	9,948	6,747	11,000	11,000	11,000
Gondolas:								
GB Steel	580	677	2,430	678	1,753	2,000	2,500	2,750
GT Steel	505	759	2,528	2,680	1,544	2,500	1,500	1,000
GT Aluminum	0	1,115	4,505	2,015	2,490	3,500	4,000	4,500
Open Hopper:								
Steel	2	445	1,495	1,479	318	1,500	2,000	2,000
Aluminum	440	195	905	260	695	1,000	2,500	4,000
Tank Car	5,682	2,985	33,010	8,727	29,955	12,000	12,500	13,000
<b>TOTAL</b>	<b>16,434</b>	<b>16,693</b>	<b>89,073</b>	<b>47,350</b>	<b>64,575</b>	<b>58,000</b>	<b>61,500</b>	<b>62,000</b>