

N.J.A.C 7:27-33 Fleet Reporting Data Summary

New Jersey Department of Environmental Protection

April 2024

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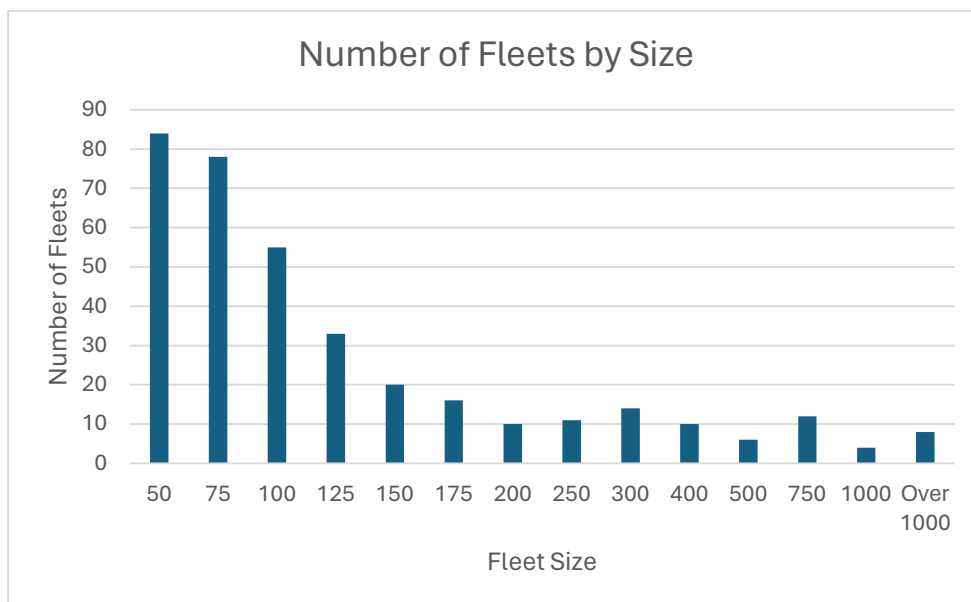
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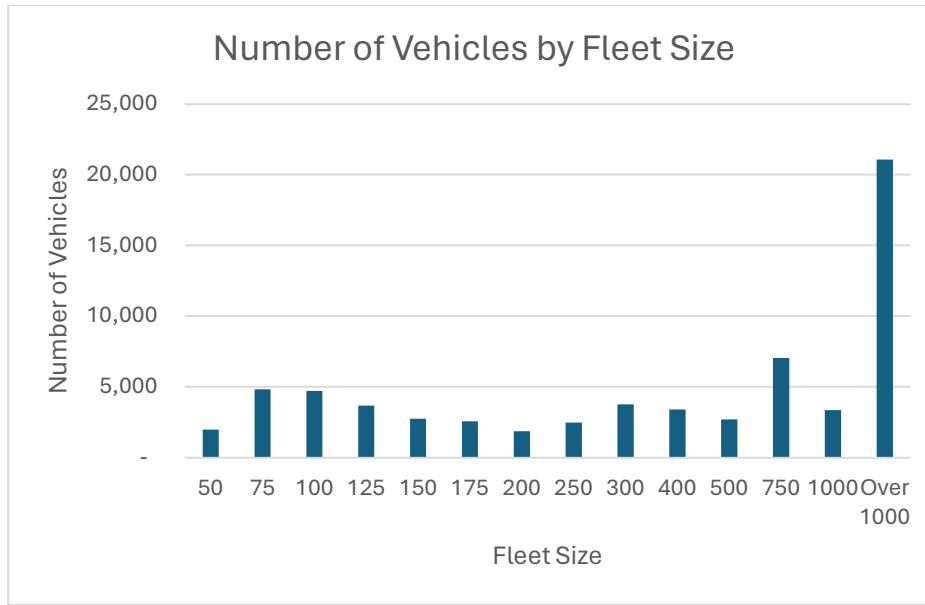
Background

New Jersey adopted the Advanced Clean Trucks (ACT) suite of regulations including the One-Time Fleet Reporting requirements by reference from California in December of 2021. This regulation required large fleets of vehicles with a gross vehicle weight rating (GVWR) greater than 8,500 pounds operating in New Jersey to report on the nature of these vehicles, how they are used, and where they are home based.

Questions were divided into three main sections: those relating to the high-level organization/entity, those relating to the home base facilities where vehicles are stored when not in use (and often serviced and fueled), and those relating to the vehicles themselves; their weight, type, and various questions on how they are used. In many cases, the questions had specific responses to select from to make reporting easier and more accurate. If an entry did not match that list of specific responses, it was deemed an “invalid response” although every effort was made to correct obvious errors and get clarification from submitting entities.

The reporting deadline was April 1, 2023, and entities were required to report using data from any portion of calendar year 2022 that represented their busiest operations. A total of 361 entities have submitted reports to date which included 1,600 home base facilities plus an additional 72 facilities with no assigned vehicles and a total of 66,100 vehicles. In addition, to allow for additional vehicle information gathering and to avoid potential duplicate reporting, the reporting required all VINs of the included vehicles and a total of 63,540 unique VINs were reported.



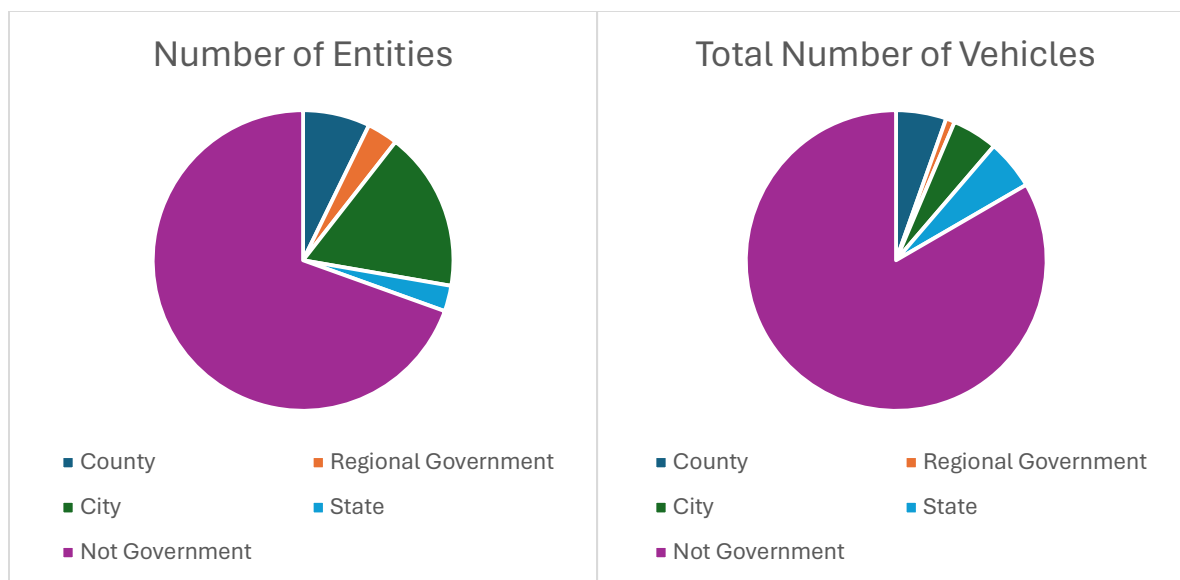


General Entity Questions

Questions in this section focused on the reporting entity, whether a large corporation or a government entity. General identifying information such as entity name, point of contact, annual revenue (for private companies) and justification (for government entities), and sustainability plans were all included here.

1. Government Entity/Jurisdiction

Category	Number of Entities	Percent of Total Entities	Total Number of Vehicles	Percent of Total Vehicles
County	26	7%	3,568	5%
Regional Government	12	3%	635	1%
City	62	17%	3,235	5%
State	10	3%	3,547	5%
Not Government	251	70%	55,115	83%
Total	361		66,100	



2. Do you have broker authority under the Federal Motor Carrier Safety Administration?

Broker Authority	Number of Entities	Percent of Entities
Yes	25	7%
No	196	54%
N/A	95	26%
No Response	45	12%
Total	361	

3. Do you have a written sustainability plan to reduce your carbon footprint?

Sustainability Plan	Number of Entities	Percent of Entities
Yes	69	19%
No	104	29%
N/A	120	33%
No Response	68	19%
Total	361	

4. Does your sustainability plan include transportation emissions reduction goals?

Emissions Goals	Number of Entities	Percent of Entities
Yes	64	18%
No	53	15%
N/A	165	46%
No Response	79	22%
Total	361	

5. For non-governmental entities, what was the range of your total annual revenue in millions of dollars in 2022?

Revenue	Number of Entities	Percent of Entities	Number of Vehicles	Percent of Vehicles
Less than \$10M	17	5%	1,994	3%
\$10-\$49M	56	16%	5,037	8%
\$50-\$99M	21	6%	2,169	3%
\$100-\$499M	52	14%	8,566	13%
\$500-\$999M	11	3%	2,098	3%
Greater than \$1,000M	47	13%	25,588	39%
No Response	30	8%	4,135	6%
Invalid Response	16	4%	5,528	8%
Government	111	31%	10,985	17%
Total	361		66,100	

6. What was the range of entities with whom you had a contract to deliver items or perform work in New Jersey using vehicles over 8,500 pounds GVWR in 2022 to serve your customers while representing your entity's brand?

This question only applied to agreements where the reporting entity contracted with another company to transport goods or provide services on the entity's behalf using vehicles that displayed the reporting entity's brand and logo. Other types of agreements where the vehicles were operated under their own brand. Government entities are not included in this data.

Number of Contracts	Number of Organizations	Percent
1-10	28	11%

11-20	3	1%
21-50	14	6%
More than 50	56	22%
N/A	102	40%
No Response	49	19%
Total	252	

7. What was the number of subhaulers you contracted with in New Jersey to transport goods or other property?

This question asked for the number of subhaulers each entity contracted with. Totals represent the number of reporting entities, not the number of subhaulers. Government entities are not included in this data.

Number of Subhaulers	Number of Organizations	Percent
1-10	31	12%
11-20	5	2%
21-50	10	4%
More than 50	10	4%
N/A	158	63%
No Response	38	15%
Total	252	

8. Estimate the number of vehicles operated by your subhaulers on your behalf in New Jersey?

This question asked for the size of subhaulers fleet each entity contracted with. Totals represent the number of reporting entities, not the number of subhaulers. Government entities are not included in this data.

Number of Subhauler Vehicles	Number of Organizations	Percent
0	14	6%
1-10	21	8%
11-20	7	3%
21-100	15	6%
101-500	2	1%
Greater than 500	4	2%
N/A	148	59%
No Response	41	16%
Total	252	

9. Estimate the number of vehicles operated by your subhaulers under your motor carrier authority in New Jersey?

This question asked for the number of subhaulers using the entity's motor carrier authority. Government entities are not included in this data.

Number of Motor Carrier Vehicles	Number of Organizations	Percent
0	40	16%
1-10	8	3%
11-20	2	1%
21-100	8	3%
101-500	2	1%
Greater than 500	2	1%
N/A	150	60%
No Response	40	16%
Total	252	

Home Base Facility Questions

The questions in this section focus on the home base facilities where the reporting entities keep their vehicles. These facilities are where vehicles are generally kept when not in use. General information on the facility location, type, point of contact, and ownership were collected as well as information on the fueling infrastructure and trailers in use at each were identified. The data presented in this section does include the 72 facilities reported that did not have any vehicles assigned to them.

10. What type of facility is each of your home base facility locations?

Type of Facility	Number of Facilities	Percent of Facilities	Number of Vehicles	Percent of Vehicles
Administrative/office building	165	10%	8,606.00	13%
Any Other Facility Type	189	11%	3,218.00	5%
Distribution center/warehouse	330	20%	17,905.00	27%
Hotel/motel/resort	2	0%	35.00	0%
Manufacturer/factory/plant	157	9%	2,198.00	3%
Medical/hospital/care	2	0%	11.00	0%
Multi-building campus/base	150	9%	5,010.00	8%
Service center	120	7%	5,655.00	9%

Store	112	7%	521.00	1%
Truck/equipment yard	445	27%	22,515.00	34%
Total	1672		65,674	

The total number of vehicles shown here does not match the total number of vehicles reported on as a few reporting entities failed to properly indicate which facility some vehicles use as a home base.

11. Is this facility leased or owned?

Facility Type	Number Owned	Number Leased	No Response	Total	Percent		
					Owned	Leased	No Response
Administrative/office building	119	42	4	165	72%	25%	2%
Any Other Facility Type	149	18	22	189	79%	10%	12%
Distribution center/warehouse	63	251	16	330	19%	76%	5%
Hotel/motel/resort	0	0	2	2	0%	0%	100%
Manufacturer/factory/plant	91	17	49	157	58%	11%	31%
Medical/hospital/care	2	0	0	2	100%	0%	0%
Multi-building campus/base	143	6	1	150	95%	4%	1%
Service center	66	42	12	120	55%	35%	10%
Store	13	99	0	112	12%	88%	0%
Truck/equipment yard	256	133	56	445	58%	30%	13%
Total	902	608	162	1672			
Percent	54%	36%	10%				

12. What refueling infrastructure is installed at this facility?

For this question, more than one fuel option was often selected. In addition, many facilities did not respond to some or all of these questions, so the totals do not add to the total number of facilities included in the data.

Type of Facility	Diesel	Gas	NG	Electric	Hydrogen	Other	Total
Administrative/office building	25	28	2	14	0	0	69
Any Other Facility Type	58	47	19	8	0	1	133
Distribution center/warehouse	109	50	0	14	0	23	196
Manufacturer/factory/plant	89	22	5	2	0	0	118
Multi-building campus/base	120	117	2	5	0	1	245
Service center	53	28	3	7	0	0	91
Store	7	31	0	1	0	0	39

Truck/equipment yard	251	180	13	19	0	2	465
No Response	219	327	382	368	394	1614	
Total w/ Fuel	712	503	44	70	0	27	
Percent of Facilities w/ Fuel	43%	30%	3%	4%	0%	2%	

Those facilities indicating some other fuel, frequently provided additional information in the comments about those additional offerings.

Type of Facility	Number of Facilities	Other Fuel
Any Other Facility Type	1	Bio Diesel
Distribution center/warehouse	15	Diesel wet-hosing for yard tractors only
Distribution center/warehouse	8	Propane
Multi-building campus/base	1	Off-road Diesel
Truck/equipment yard	1	Off-road Diesel
Truck/equipment yard	1	Propane

It is also valuable to look at fueling infrastructure at owned vs. leased facilities.

Ownership	Number of Facilities	Diesel	Gas	NG	Electric	Hydrogen	Other	Any Fuel ¹	Percent w/ Fuel
Leased	608	152	86	2	29	0	11	224	37%
Owned	902	546	403	41	37	0	16	619	69%
No Response	162	219	327	382	368	394	1,645		
Total	1,672	698	489	43	66	0	27		

13. What types of trailers are pulled from this facility?

Like with fueling infrastructure, more than one option was often selected for this question and many facilities again did not respond so the totals do not add to the total number of facilities included in the data.

Trailer Pulled	Number of Facilities	Percent of Facilities
Container	39	2%
Curtain	13	1%
Flatbed	116	7%
Lowbed	98	6%
Tanker	54	3%
Van/Dry	320	19%

¹ Since facilities often have more than one fuel, these figures are less than the total of the different fuel types.

Van/Reefer	54	3%
No Response	120	7%
Don't Pull Trailers	1,007	60%

Vehicle Questions

This section contains the bulk of the data collected and focuses on the vehicles within each fleet and which of the home base facilities discussed above houses them. Questions included the body type, weight class, fuel type, and several questions on how frequently the vehicles are used, the mileage – both annual and daily – that they travel, and how far from the home base they generally go.

To simplify these tables, for many questions, data is shown only for three types of vehicles – Tractor Day Cabs, Tractor Sleeper Cabs, and All Other Vehicles.

14. What is the body type for each vehicle?

Body Type	Number of Vehicles	Percent of Vehicles
Ambulance	43	0.07%
Beverage Truck	897	1.36%
Boom/Bucket	1,979	2.99%
Box Dry Van	8,017	12.13%
Box Reefer	1,177	1.78%
Bus-Other	678	1.03%
Bus-Shuttle	349	0.53%
Car Carrier	101	0.15%
Car/Suv	103	0.16%
Concrete Mixer	511	0.77%
Concrete Pump	13	0.02%
Crane	82	0.12%
Drill Rig	33	0.05%
Dump	5,240	7.93%
Fire Truck	78	0.12%
Flatbed Or Stake Bed	2,051	3.10%
Garbage Container Delivery	24	0.04%
Garbage Front Loader	449	0.68%
Garbage Packer	1,048	1.59%
Garbage Roll-Off	712	1.08%
Garbage Side Loader	289	0.44%
Off-Road Yard Tractor	103	0.16%
On-Road Yard Tractor	381	0.58%

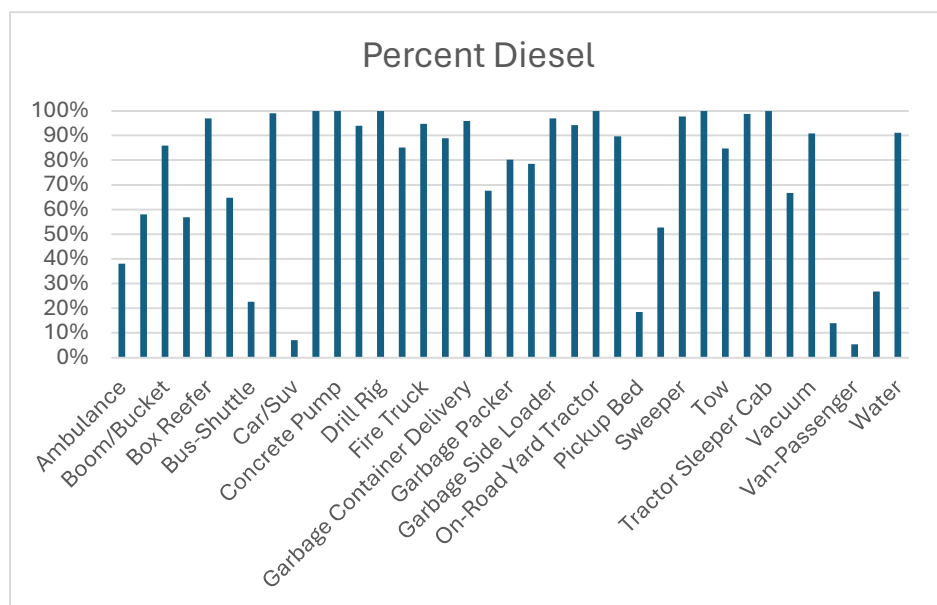
Other	3,383	5.12%
Pickup Bed	5,822	8.81%
Service Body	3,798	5.75%
Sweeper	225	0.34%
Tank	662	1.00%
Tow	340	0.51%
Tractor Day Cab	10,604	16.04%
Tractor Sleeper Cab	2,697	4.08%
Truck Refrigerated Unit	3	0.00%
Vacuum	363	0.55%
Van-Cargo	11,179	16.91%
Van-Passenger	426	0.64%
Van-Step	2,068	3.13%
Water	172	0.26%
Total	66,100	

15. What is the primary fuel type for each vehicle?

Body Type	Diesel Vehicles	Gas Vehicles	NG Vehicles	Propane Vehicles	Electric Vehicles	Total
Ambulance	16	26	0	0	0	42
Beverage Truck	504	178	0	184	2	868
Boom/Bucket	1,683	275	0	0	0	1,958
Box Dry Van	4,555	3,459	4	0	0	8,018
Box Reefer	1,158	36	0	0	0	1,194
Bus-Other	430	197	0	0	37	664
Bus-Shuttle	79	267	3	0	0	349
Car Carrier	101	1	0	0	0	102
Car/Suv	7	93	0	0	0	100
Concrete Mixer	391	0	0	0	0	391
Concrete Pump	13	0	0	0	0	13
Crane	77	0	5	0	0	82
Drill Rig	33	0	0	0	0	33
Dump	4,284	733	16	0	0	5,033
Fire Truck	72	4	0	0	0	76
Flatbed Or Stake Bed	1,812	227	0	0	0	2,039
Garbage Container Delivery	23	0	1	0	0	24
Garbage Front Loader	303	0	145	0	0	448
Garbage Packer	772	3	187	0	0	962
Garbage Roll-Off	561	64	90	0	0	715
Garbage Side Loader	280	0	9	0	0	289

Off-Road Yard Tractor	97	3	0	1	2	103
On-Road Yard Tractor	381	0	0	0	0	381
Other	560	65	0	0	0	625
Pickup Bed	1,046	4,599	30	0	2	5,677
Service Body	1,949	1,618	128	1	0	3,696
Sweeper	217	5	0	0	0	222
Tank	666	1	0	0	0	667
Tow	284	51	0	0	0	335
Tractor Day Cab	10,375	39	87	0	3	10,504
Tractor Sleeper Cab	2,697	0	0	0	0	2,697
Truck Refrigerated Unit	2	1	0	0	0	3
Vacuum	329	32	1	0	0	362
Van-Cargo	1,507	8,850	84	0	387	10,828
Van-Passenger	22	388	2	0	1	413
Van-Step	554	1,513	0	0	0	2,067
Water	154	15	0	0	0	169
Total	37,994	22,743	792	186	434	62,149

Not all entities responded completely or at all to this series of questions, so the total number of vehicles covered is less than the total number included in the data. It should be noted that while hydrogen fueling infrastructure was an option in the facilities section, it was not an option as a vehicle fuel (and as shown in the section above, there are no hydrogen fueling stations at any of the home base facilities included in this data). Since diesel fuel is by far the most common fuel used for these vehicles, it is helpful to look at the percentage of vehicles of each body type using diesel fuel.



16. What is the weight class for each vehicle?

Weight Class	Tractor Day Cab	Percent Day Cabs	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Class 2b-3	317	3%		0%	22,020	42%
Class 4-6	573	5%		0%	14,458	27%
Class 7-8	9,714	92%	2,697	100%	16,281	31%
Total	10,604		2,697		52,759	

There are an additional 40 vehicles included in the data for which no valid response was received regarding weight class, and they are not included above.

17. On the single busiest day, how many of these vehicles traveled...?

Daily Mileage	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Up to 100	3,237	33%	424	16%	31,511	72%
101 to 150	1,663	17%	131	5%	6,344	14%
151 to 250	1,752	18%	360	13%	4,128	9%
251 to 400	1,777	18%	714	26%	1,360	3%
Over 400	1,299	13%	1,098	40%	585	1%
Total	9,728		2,727		43,928	

Due to inconsistent reporting, the totals here do not match the total number of vehicles included in the data.

18. On the single busiest day, how many of these vehicles spent any time at this facility?

Spend Time	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	6,712	63%	946	35%	31,323	59%
No	3,892	37%	1,751	65%	21,476	41%
Total	10,604		2,697		52,799	

19. On a typical busy week, how many of these vehicles fueled exclusively at this facility?

Fuel @ Facility	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	4,334	41%	541	5%	20,597	39%
No	6,270	59%	2,156	20%	32,202	61%
Total	10,604		2,697		52,799	

20. On the single busiest day, how many of these vehicles had a predictable usage pattern?

Predictable Use	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	5,820	55%	740	27%	25,892	49%
No	4,784	45%	1,957	73%	26,907	51%
Total	10,604		2,697		52,799	

21. On the single busiest day, how many of these vehicles left the facility but stayed within 50 miles?

Body Type	Vehicles Stay w/in 50	Vehicles Going Beyond 50	Total	Percent Stay w/in 50
Ambulance	19	24	43	44%
Beverage Truck	373	524	897	42%
Boom/Bucket	1,083	896	1,979	55%
Box Dry Van	2,909	5,108	8,017	36%
Box Reefer	220	957	1,177	19%
Bus-Other	132	546	678	19%
Bus-Shuttle	218	131	349	62%
Car Carrier	2	99	101	2%
Car/Suv	63	40	103	61%
Concrete Mixer	302	209	511	59%
Concrete Pump	-	13	13	0%
Crane	39	43	82	48%
Drill Rig	19	14	33	58%
Dump	2,368	2,872	5,240	45%
Fire Truck	47	31	78	60%
Flatbed Or Stake Bed	488	1,563	2,051	24%
Garbage Container Delivery	22	2	24	92%
Garbage Front Loader	316	133	449	70%

Garbage Packer	533	515	1,048	51%
Garbage Roll-Off	378	334	712	53%
Garbage Side Loader	117	172	289	40%
Off-Road Yard Tractor	34	69	103	33%
On-Road Yard Tractor	44	337	381	12%
Other	405	2,978	3,383	12%
Pickup Bed	2,586	3,236	5,822	44%
Service Body	1,838	1,960	3,798	48%
Sweeper	108	117	225	48%
Tank	130	532	662	20%
Tow	230	110	340	68%
Tractor Day Cab	1,513	9,091	10,604	14%
Tractor Sleeper Cab	237	2,460	2,697	9%
Truck Refrigerated Unit	2	1	3	67%
Vacuum	197	166	363	54%
Van-Cargo	8,159	3,020	11,179	73%
Van-Passenger	235	191	426	55%
Van-Step	271	1,797	2,068	13%
Water	48	124	172	28%
Total	25,685	40,415	66,100	39%

22. On the single busiest day, how many of these vehicles towed a trailer more than 100 miles?

Tow Over 100	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	5,298	50%	1,558	58%	923	2%
No	5,306	50%	1,139	42%	51,876	98%
Total	10,604		2,697		52,799	

23. On the single busiest day, how many of these vehicles were loaded to their weight limit?

Operate @ Weight Limit	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	2,926	28%	1,045	39%	9,107	17%
No	7,678	72%	1,652	61%	43,692	83%
Total	10,604		2,697		52,799	

24. How many of these vehicles are registered in a jurisdiction other than New Jersey?

Reg. Out of NJ	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	7,283	69%	1,116	41%	7,873	15%
No	3,321	31%	1,581	59%	44,926	85%
Total	10,604		2,697		52,799	

25. On the single busiest day, how many of these vehicles spent more than 8hrs out of 24 at this facility?

Parked 8Hrs	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	5,765	54%	559	21%	26,367	50%
No	4,839	46%	2,138	79%	26,432	50%
Total	10,604		2,697		52,799	

26. How many of these vehicles are equipped with GPS or other electronic mileage reporting systems?

GPS	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	8,669	82%	2,485	92%	36,112	68%
No	1,935	18%	212	8%	16,687	32%
Total	10,604		2,697		52,799	

27. On the single busiest day, how many of these vehicles were not used at all (spare, under repair, etc.)?

Spares	Tractor Day Cab	Percent Day Cab	Tractor Sleeper Cab	Percent Sleeper Cab	Other Vehicles	Percent Other
Yes	514	5%	164	6%	2,304	4%
No	10,090	95%	2,533	94%	50,495	96%
Total	10,604		2,697		52,799	

28. What is the average annual mileage for these vehicles?

Average Mileage	Tractor Day Cab	Tractor Sleeper Cab	Other Vehicles	Total
5,000	739	12	8,757	9,508

10,000	269	-	7,988	8,257
20,000	378	5	12,685	13,068
30,000	719	10	11,292	12,021
40,000	1,187	11	2,106	3,304
50,000	1,214	74	1,227	2,515
60,000	1,129	127	187	1,443
70,000	1,428	292	265	1,985
80,000	893	259	219	1,371
90,000	773	612	40	1,425
100,000	32	71	80	183
100,000+	313	623	661	1,597
Total	9,074	2,096	45,507	56,677

29. At what age do you typically retire these vehicles from service?

Retirement Age	Tractor Day Cab	Tractor Sleeper Cab	Other Vehicles	Total
5	686	409	4,738	5,838
10	5,634	1,629	12,917	20,190
15	1,914	203	10,974	13,106
20	650	102	7,598	8,370
More Than 20	397	17	8,392	8,806
No Response	1,323	337	8,180	9,840
Total	10,604	2,697	52,799	66,100

30. Are you the owner of this group of vehicles or are they dispatched under your brokerage authority?

Ownership	Tractor Day Cab	Tractor Sleeper Cab	Other Vehicles	Total
Owner	9,074	2,096	45,507	56,677
Dispatched	1,332	597	2,034	3,963
Invalid Response	51	-	1,597	1,648
No Response	147	4	3,661	3,812
Total	10,604	2,697	52,799	66,100