



مرکز الإحصاء
STATISTICS CENTRE



Statistics of Air, Water, and Land

Transport

2014 – 2013

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Introduction

A modern and efficient transport system is important for the effective distribution of goods and services the region and abroad. It plays a major role in the development process and constitutes one of the most important policy priorities in development of the Emirate of Abu Dhabi economic infrastructure. Through transport the market for goods and services are expanded and thus contributes to the optimal use of human and material resources. The Emirate of Abu Dhabi attaches great value to transportation routes as arteries through which all parts of the Emirate are connected and provided with the goods and services they need.

The transport network in the Emirate links all the cities by way of a modern network of multi-lane highways and local roads within the major cities and villages. As part of its long-term development strategy, the Emirate has developed phased plans to create a sophisticated land transport network including railways, while these plans are already under construction.

The airports of the Emirate have successfully attracted significant volume of air traffic. More than 35 international airlines are operating regular flights between Abu Dhabi International Airport and more than 150 destinations worldwide. Etihad Airways is the national carrier of the United Arab Emirates and operates regular flights to multiple destinations around the world from Abu Dhabi International Airport.

The Emirate of Abu Dhabi has two seaports, namely Zayed Port, which is fitted with state-of-the-art equipment and infrastructure to receive cruise liners and general cargo vessels. Khalifa Port, which is a milestone in infrastructure development in the Emirate of Abu Dhabi serves 20 international sea-cargo routes and 18 direct services, with contact established with more than 52 regional and international ports. This deep water Port is the first semi-automatic port in the Middle East and is designed to handle all container traffic and general cargo.

Key Points

- Aircraft movements via the airports of the Emirate increased by 25.5% between 2013 and 2014
- The number of passengers travelling by air increased by 18.7% in 2014
- A total of 1,023 ships visited Zayed Port in 2014
- Ships turnaround time in Zayed Port averaged 1.26 days in 2014, down from 2.25 days in 2013
- Diesel fuel price remained stable at AED 2.4 per liter in 2013 and 2014
- Gasoline price remained stable at AED 1.6 per liter in 2013 and 2014
- The total length of external roads was 2,698 kilometers in 2014, compared with 2,704 kilometers in 2013.

1. Air Transport

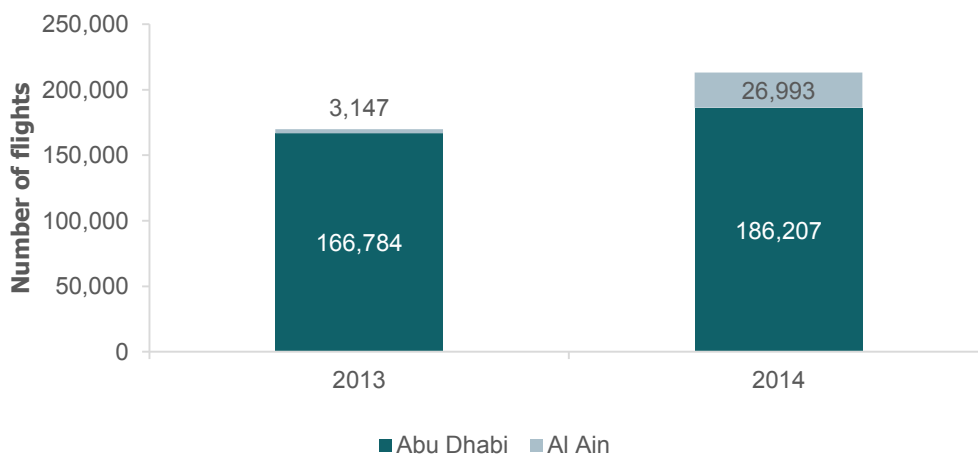
This section includes analysis of air transportation statistics for the years 2013 and 2014, provided by Abu Dhabi Airports Company, which is the main source of the data.

The Emirate of Abu Dhabi has five airports including three international airports, Abu Dhabi International Airport, Al Ain International Airport and Al Bateen Airport. The report will cover the data of the three airports, while two local airports, Sir Bani Yas and Delma are not included. The data of Abu Dhabi International Airport includes Al Bateen Airport.

1.1 Aircraft movements

The number of flights in the Emirate of Abu Dhabi increased by 25.5% in 2014 to 213,200 compared with 169,931 in 2013.

Figure 1 :Aircraft movements in Abu Dhabi, 2013-2014



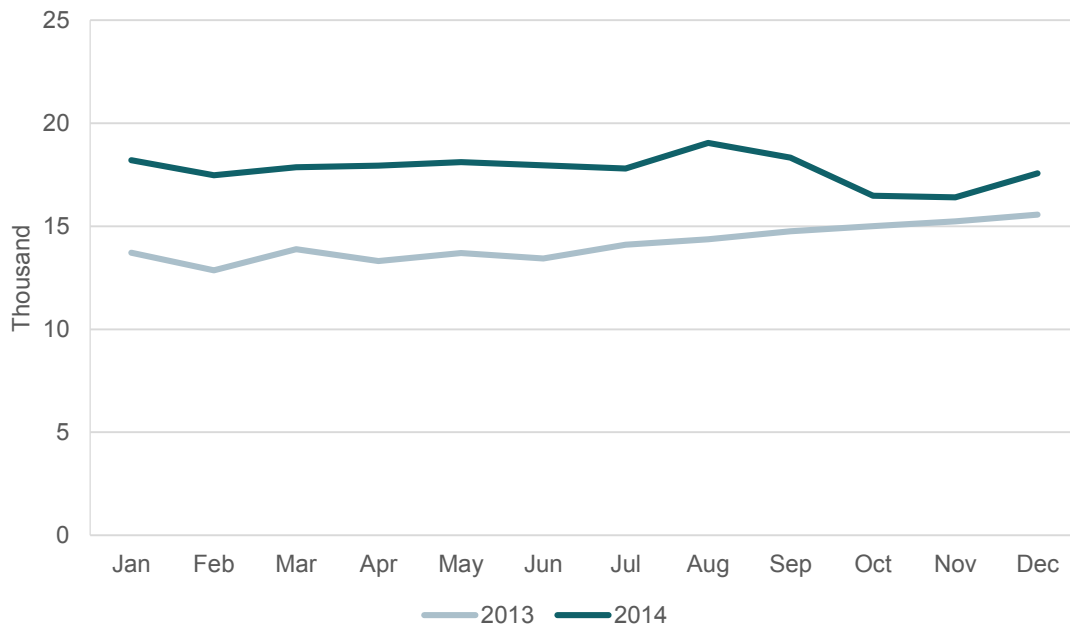
Source: Abu Dhabi Airports Company

The aircraft movements at Abu Dhabi International Airport accounted for 87.3% of the Emirate's total aircraft movements in 2014, compared with 12.7% for Al Ain international airport.

The busiest months were August and September in 2014, compared with November and December in 2013. The lowest number of aircraft movements in 2014 were recorded in October and November, while February and April witnessed the fewest flights in 2013.

Aircraft traffic data indicates that the general trend of the aircraft movement was similar during the first half of 2013 and 2014, while it increased significantly in August 2014 followed by a decrease in October 2014.

Figure 2: Monthly aircraft movement in the Emirate of Abu Dhabi, 2013 - 2014



Source: Abu Dhabi Airports Company

1.2 Number of passengers

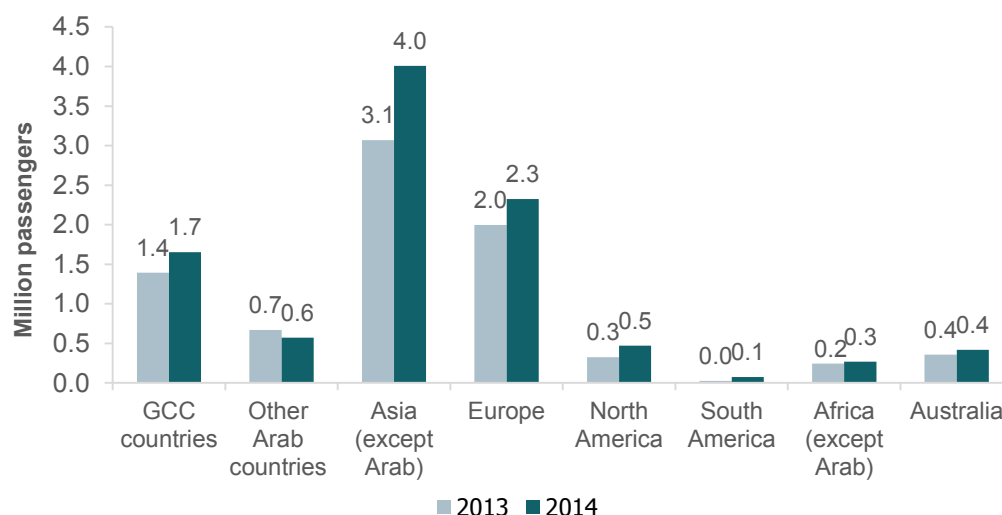
A total of 19.9 million passengers travelled through the airports of Abu Dhabi Emirate in 2014, compared with 16.8 million passengers in 2013, with an increase of 18.7%. Arrivals represented 49.3% of the total number of passengers in 2014, compared with 49.2% for departures and 1.6% for transit passengers. These percentages are approximately the same as those of 2013.

Table 1: Number of passengers who traveled via the airports of the Emirate of Abu Dhabi in 2013 and 2014

	2013			2014		
	Abu Dhabi	Al Ain	Total	Abu Dhabi	Al Ain	Total
Arrivals	8,177,940	23,729	8,201,669	9,797,879	22,718	9,820,597
Departures	8,212,666	20,378	8,233,044	9,782,403	19,652	9,802,055
Transit	324,107	31,250	355,357	284,845	27,179	312,024
Total	16,714,713	75,357	16,790,070	19,865,127	69,549	19,934,676

Source: Abu Dhabi Airports Company

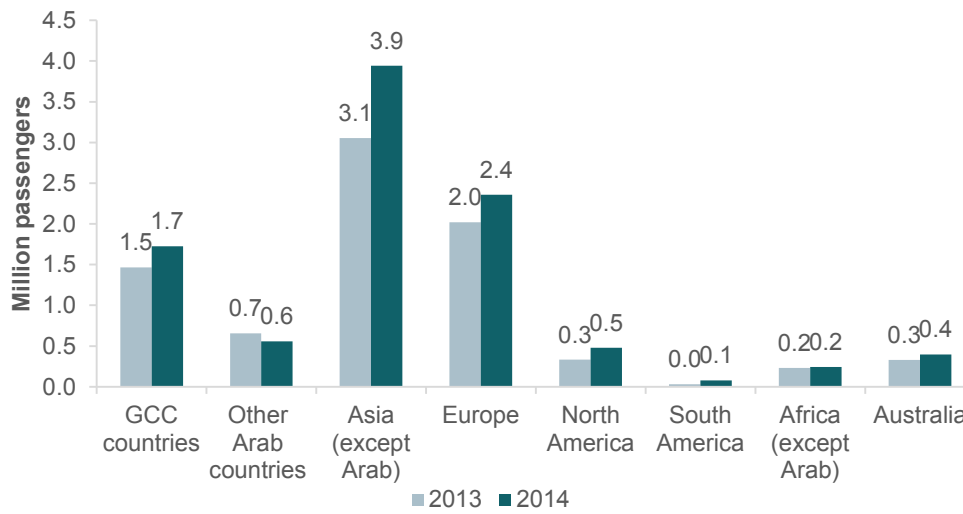
Arrivals from Asian countries excluding Arab countries accounted for 40.9% of the total arrivals at the air ports of Abu Dhabi Emirate in 2014, followed by arrivals from European countries with 23.7%. Arrivals from Africa (except Arab) and Latin America represented 2.8% and 0.8% respectively.

Figure 3: Number of air passengers arriving in the Emirate of Abu Dhabi by origin, 2013 – 2014


Source: Abu Dhabi Airports Company

Departures data reveal a pattern that closely represents the regional distribution of air passenger arrivals, with Asian countries (excluding Arab countries) accounting for the largest percentage of departures, followed by European countries, while departures to Latin American and African countries (excluding Arab countries) recorded the lowest percentage.

Figure 4: Number of passengers leaving the Emirate of Abu Dhabi by destination, 2013 – 2014



Source: Abu Dhabi Airports Company

1.3 Air cargo movements

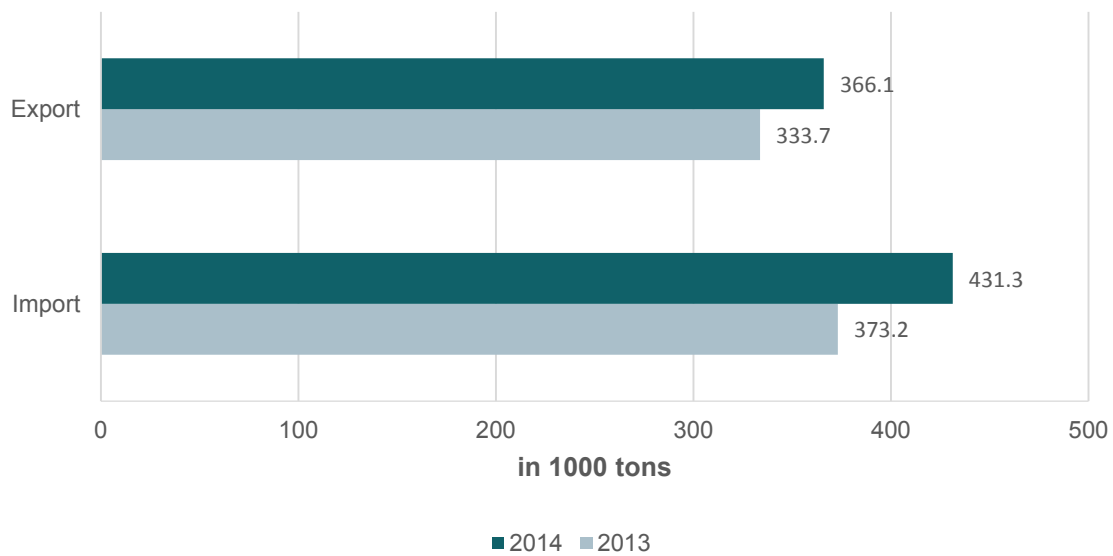
Transport of imported goods by air increased by 15.6% from 2013. The exports of goods by air increased by 9.7% over the same period while the total movement of goods by air increased, by 12.8%

Table 2: Air cargo goods in 2013 and 2014

Goods	2013	2014	Growth Rate
Import (tons)	373,192	431,289	15.6%
Export (tons)	333,691	366,051	9.7%
Total (tons)	708,896	797,340	12.8%

Source: Abu Dhabi Airports Company

Figure 5: Import and export of airborne goods in the Emirate of Abu Dhabi, 2013 – 2014



Source: Abu Dhabi Airports Company

1.4 Movement of parcel post by air

The movement of parcel post by air has increased by 49.0% between 2013 and 2014 to 11 thousand tons.

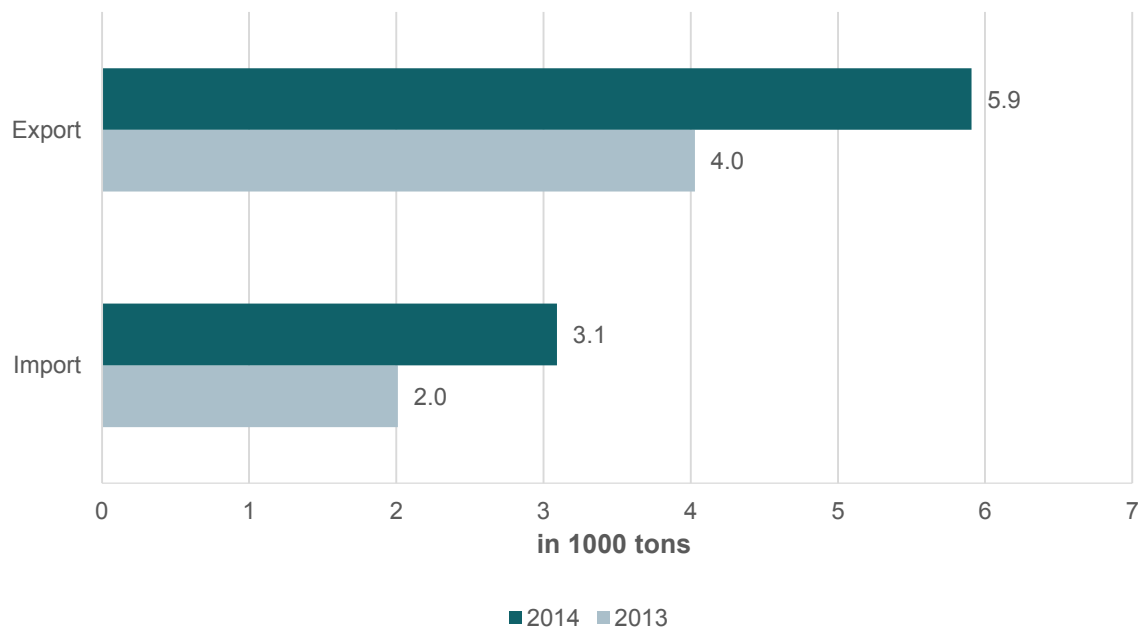
Table 3: Movement of airborne parcel post (in tons) in 2013 and 2014

Parcels/Year	2013	2014	Change %
Import (tons)	2,011	3,093	53.8
Export (tons)	4,029	5,907	46.6
Total	6,040	9,000	49.0

Source: Abu Dhabi Airports Company

The movement of exported parcels by air has increased by 46.6% from 2013 to 2014, in addition to the increase in imported parcels by air in 2014 by 53.8%.

Figure 6: Movement of air-parcels in the Emirate of Abu Dhabi, 2013 – 2014



Source: Abu Dhabi Airports Company

2. Water Transport

The Government of Abu Dhabi acknowledge the Emirate coastline as an important strategic asset to promote the Emirate as one of the distinguished sea transport hubs in the region. This part includes an analysis of sea transport statistics for 2013 and 2014 based on the data provided by the Abu Dhabi Ports Company.

2.1 Vessels turnaround

Zayed Port’s data indicate that the number of vessels that docked at the Port in 2014 has reached 1,023, with an average turnaround of 1.26 days and a total turnaround duration of 258 thousand hours.

Table 4: Vessels turnaround in Zayed Port in 2013 and 2014

Year	2013	2014
Number of vessels	1,886	1,023
Total Turnaround (hour)	270045:22	257565:44
Average Turnaround (days)	2.25	1.26
Total stay (hour)	273817:22	261683:44
Total gross tons	28,878,968	30,133,143

Source: Abu Dhabi Port Company

The aggregate tonnage of vessels in Zayed Port increased by 4.3% in 2014 while the decrease in the number of ships decreased in 2014.

The number of vessels in Khalifa Port reached 1,050 in 2014, with an average vessel turnaround time of 1.37 days and a total turnaround duration of 281 thousand hours and an aggregate tonnage of 39.3 million metric tons.

Table 5: Ships turnaround in Khalifa Port in 2014

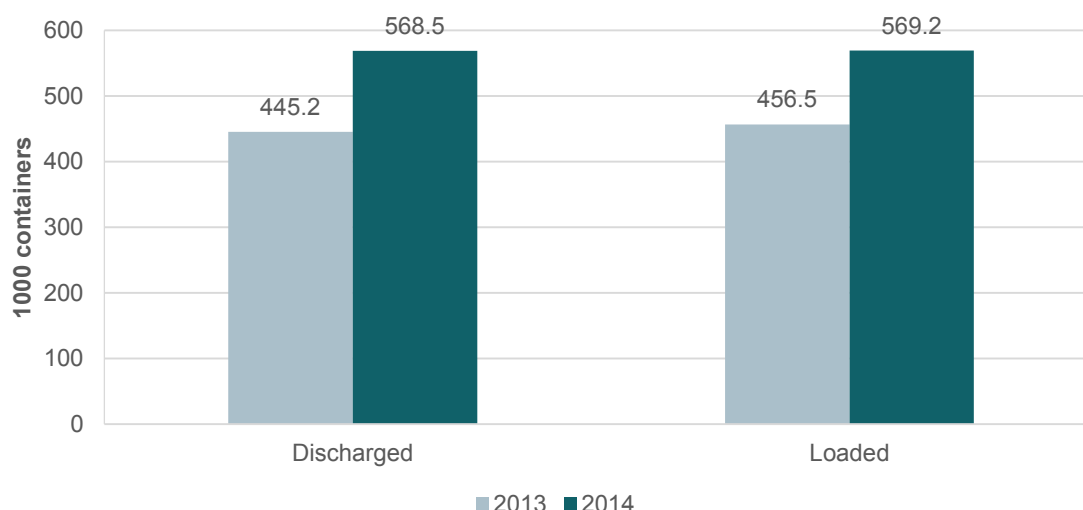
Year	2014
Number of vessels	1,050
Total Turnaround (hour)	281138:29
Average Turnaround (days)	1.37
Total stay (hour)	2852322:29
Total gross tons	39,255,540

Source: Abu Dhabi Port Company

2.2 Twenty-Foot Equivalent (TEU) Containers

The number of (TEU) containers increased by 26.2% from 901.7 thousand in 2013 to 1,138 thousand in 2014. These containers were distributed between unloading and loading in approximately equal proportions.

Figure 7: Number of (TEU) containers, 2013 – 2014



Source: Abu Dhabi Port Company

Standard vessels data for the years 2013 and 2014 by geographical regions (origin or destination) indicate that 57.3% of the movement of containers were from and to the ports of the Emirates of

the United Arab Emirates, and that 15.2% of the movement of containers was from the Far East region as shown in Table (6).

Table 6: Incoming and outgoing containers by region in 2013 and 2014

Region	2013		2014	
	Outgoing	Incoming	Outgoing	Incoming
United Arab Emirates*	223,166	334,644	261,358	390,786
Other States of the (GCC)	8,518	9,298	19,565	37,279
Middle East (except GCC)	1,138	1,246	1,945	15,889
Indian sub-continent	8,542	5,757	13,257	10,509
Southeast Asia	16,235	14,857	29,860	17,636
Far East	94,863	35,519	135,592	37,653
North Africa	2,841	1,765	7,264	1,917
South Africa	376	563	167	635
East Africa	2,334	234	3,982	82
West Africa	19	-	469	-
Western Europe	684	406	51	458
Mediterranean Region	3,909	40,114	7,785	55,218
Scandinavia	24	-	1	5
Eastern Europe	88	-	2	-
North America	129	9	30	-
Caribbean	1	1	-	50
Central America	24	-	3	-
Latin America	59	-	9	-
Australia	270	-	24	-
Other regions	94,089	-	87,838	360
Total	457,309	444,413	569,202	568,477

Source: Abu Dhabi Port Company

*Incoming and outgoing containers from other Emirates

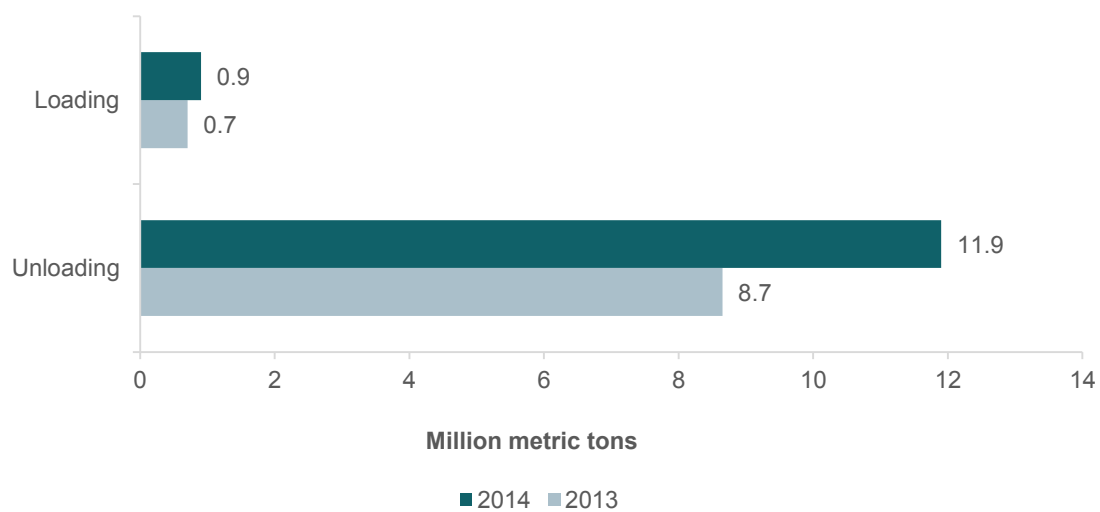
2.3 General goods (Metric ton)

The movement of goods by sea increased by 36.8% in 2014, compared with 2013 reaching 12,804 thousand metric tons in 2014.

Unloaded goods represented 93.0% of the total tonnage of goods, while the proportion of loaded goods reached 7.0% of the total tonnage of goods in 2014.

Loaded goods increased to 902.3 thousand metric tons in 2014 compared with 705.7 thousand metric tons in 2013, while the unloading of goods increased from 8,650.8 thousand metric tons in 2013 to around 11,902 thousand metric tons in 2014.

Figure 8: Movement of general goods (metric ton), 2013 – 2014

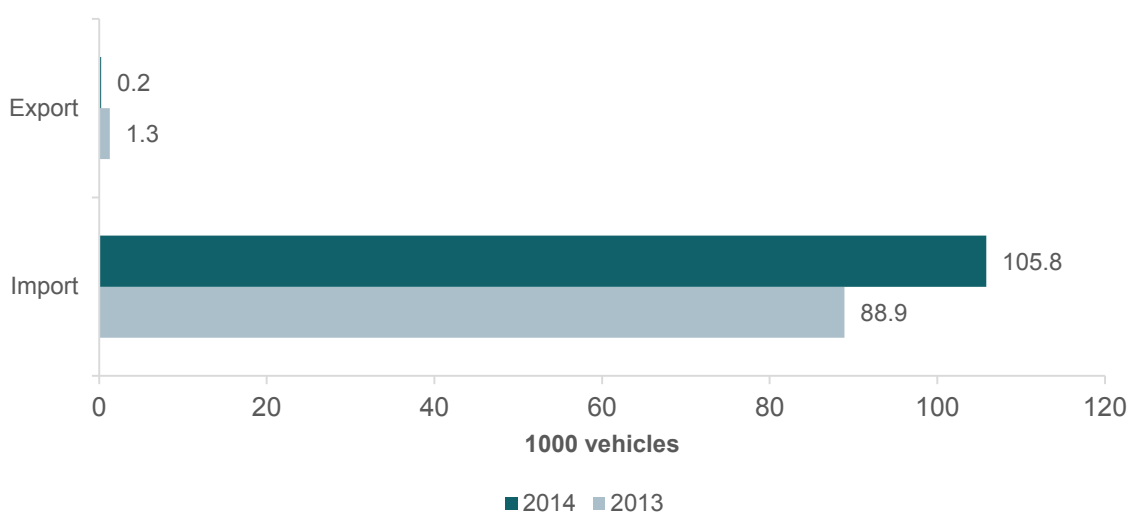


Source: Abu Dhabi Port Company

2.4 Number of vehicles through the ports of the Emirate of Abu Dhabi

The total number of vehicles imported and exported increased by 17.6% from 90.2 thousand to 106.1 thousand in 2014.

Figure 9: Number of vehicles via the ports of the Emirate of Abu Dhabi, 2013 – 2014



Source: Abu Dhabi Port Company

3. Land Transport

The Government of Abu Dhabi recognizes the importance of land transport activities and its role in the Emirate's economic expansion. The land transport network in the Emirate is currently experiencing significant expansion as a result of the ongoing infrastructure development, namely in roads and bridges, and the considerable increase in the number of vehicles. Thus arose the need to highlight data relating to this activity, such as the prices of diesel fuel and gasoline at the service stations as well as the lengths of inter-city highways.

3.1 Fuel price

Since the government continued to subsidize the prices of petroleum and petroleum products at the same rate in 2014, the retail price of diesel fuel at the service station remained at a constant level of AED 2.35 per liter, while the petrol price remained stable between AED 1.61 per liter and AED 1.83 per liter depending on the type of product.

Table 7: Prices of petroleum products in 2014

Petroleum products	Prices in dirhams
Petrol	
Super / liter	1.72
Special / liter	1.83
A Plus / liter	1.61
Diesel	
Gas Oil / Diesel / liter	2.35

Source: Statistics Centre Abu Dhabi

3.2 Length of external roads

The length of external roads remained broadly unchanged in 2013 and 2014 at about 2.7 thousand kilometers. The following statistics show the lengths of external roads without taking into consideration the number of lanes. To calculate total length of the external road network, the length at road must be multiplied by the number of the lanes that constitute it.

Table 8: Length of external roads, 2014

Km

Lanes / Region	Abu Dhabi	Al Ain	Al Gharbia	Total
2*1	298.7	508.0	185.8	992.6
2*2	253.9	336.9	608.4	1,199.2
2*3	41.0	165.2	85.9	292.1
2*4	169.1	21.0	0.0	190.1
2*5	30.7	0.0	0.0	30.7

Source: Department of Transport

Note: the number of lanes did not multiply the highway length

Table 9: Length of external roads, 2013

Km

Lanes / Region	Abu Dhabi	Al Ain	Al Gharbia	Total
2*1	304.3	493.0	182.9	980.2
2*2	191.1	335.7	614.8	1,141.6
2*3	86.3	166.9	84.4	337.6
2*4	151.3	40.8	1.5	193.6
2*5	45.7	0.0	0.0	45.7

Source: Department of Transport

Note: the highway length was not multiplied by the number of lanes

Explanatory Notes

List of Terms Used

Aircraft Movement

It is the number of flights operated from and to the international airports of the Emirate.

Number of Passengers

The total number of passengers arriving in, departing from, or transiting the Emirate.

Ships Turnaround

The period of time spent by a ship from docking till departure time.

Total Turnaround Duration

It is the period of time spent by all ships from docking till departure time.

Average Turnaround

The total docking time divided by the number of ships to give us the average docking time per ship.

Inter-City Highways

The highways connecting the cities to each other, which do not include the roads in the city known as city-roads.

Data Sources

The sources of data used in this release are as follows:

- Air Transport: obtained from Abu Dhabi Airports Company
- Sea Transport: obtained from Abu Dhabi Ports
- Land Transport: obtained from Department of Transport and the Ministry of Interior
- The data was provided to the Statistics Centre - Abu Dhabi, which processed, verified, and used it to produce the statistics and indicators.

Technical Notes:

- The values of changes (levels and percentages) contained in the tables are based on rounded numbers.
- Due to rounding of decimals to the nearest whole number, the total may not match the actual sum of numbers that make up some of the tables.

Additional Information

For more information about transport statistics and any other official statistics, please visit the SCAD link on the website of the Statistics Centre - Abu Dhabi: <http://www.scad.ae>

Responsibility

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