



MINISTRY OF NATURAL RESOURCES | KURDISTAN REGIONAL GOVERNMENT
وهزارهتی سامانه سروشتیهکان | حکومهتی هه ریمی کوردستان

The Movement of Oil and Refined Products by Trucking in the Kurdistan Region

A daily estimate of tanker journeys based upon current activities in the oil and gas sector

November 2015

SUMMARY OF DAILY TRUCKING MOVEMENTS THROUGHOUT THE KURDISTAN REGION

REFINERIES	KALAK REFINERY		BAZIAN REFINERY		TOTAL	
	1-Way	2-Way	1-Way	2-Way	1-Way	2-Way
Total Domestic:	546	1092	380	760	927	1852
Total International	71	142	84	168	155	309
Total:		1234		928		2162

SWAPS	SWAP WITH LOCALS		SWAPS WITH POWERTRANS		TOTAL	
	1-Way	2-Way	1-Way	2-Way	1-Way	2-Way
Total Domestic:	255	510	0	0	255	510
Total International	145	290	114	228	259	518
Total:		800		228		1028

PRIVATE IMPORTS	IMPORTS BY LOCALS		IMPORTS BY POWERTRANS		TOTAL	
	1-Way	2-Way	1-Way	2-Way	1-Way	2-Way
Total Domestic:	182	364	125	250	307	614
Total International	214	428	125	250	339	678
Total:		792		500		1292

LPG/CONDENSATE	CONDENSATE		LPG		TOTAL	
	1-Way	2-Way	1-Way	2-Way	1-Way	2-Way
Total Domestic:	60	120	80	160	140	280
Total International	60	120	0	0	60	120
Total:		240		160		400

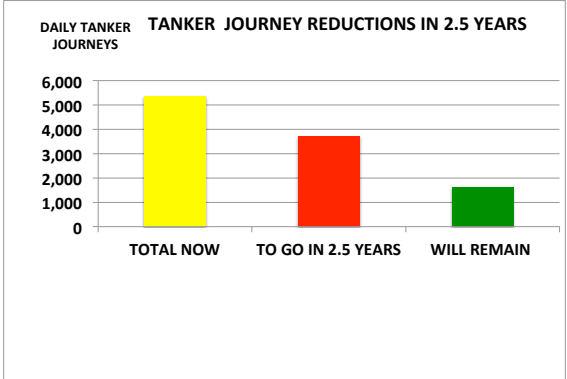
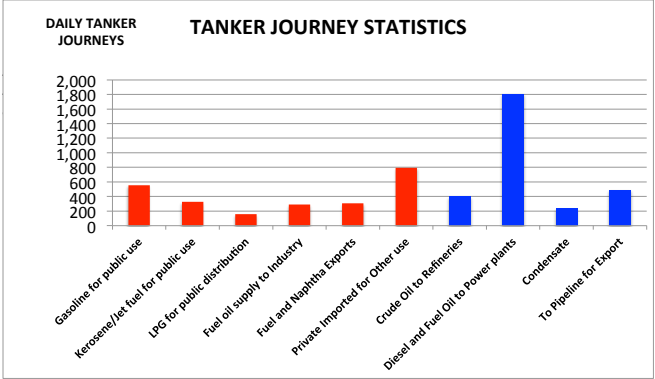
EXPORT PIPELINE	INJECT TO PIPELINE				TOTAL	
	1-Way	2-Way			1-Way	2-Way
Total Domestic:	244	488			244	488
Total International	0	0			0	0
Total:		488				488

ALL TANKERS	ALL TANKERS		ALL TANKERS		ALL TANKERS		TOTAL
	1-Way	2-Way	1-Way	2-Way	1-Way	2-Way	
Total Domestic:	1288	2574	585	1170	1873		3745
Total International	490	980	323	646	813		1625
Total:		3554		1816			5370

NOTE: FOR EACH INTERNATIONAL TANKER THERE MAY BE 3 TO 4 MORE ON THE ROAD EITHER IN IRAN OR IN TURKEY BECAUSE OF THE LONG DISTANCES AND SOME TANKERS WILL ALWAYS BE UNDER REPAIR OR TEMPORARILY OUT OF WORK - SO TOTAL TANKERS JOURNEYS DAILY MIGHT BE OVER 12,000

Tanker Usage Statistics

CATEGORY	NO. OF DAILY JOURNEYS	TOTAL	COMMENTS	REMAIN	WILL GO
Gasoline for public use	556	556	NEEDED	556	0
Kerosene/Jet fuel for public use	326	882	NEEDED	326	0
LPG for public distribution	160	1,042	NEEDED	160	0
Fuel oil supply to Industry	290	1,331	NEEDED	290	0
Fuel and Naphtha Exports	308	1,640	NEEDED, BUT MAY BE CONSUMED LOCALLY	308	0
Private Imported for Other use	792	2,432	MARKET NEED	0	792
Crude Oil to Refineries	400	2,832	WILL CHANGE TO PIPELINE BY Q4 2017	0	400
Diesel and Fuel Oil to Power plants	1,810	4,642	WILL CHANGE TO NATURAL GAS BY Q4 2017	0	1,810
Condensate	240	4,882	WILL GO TO LOCAL REFINING VIA PIPELINE Q1 2018	0	240
To Pipeline for Export	488	5,370	WILL GO VIA DIRECT PIPELINE Q2 2017	0	488
TOTAL	5,370		TOTAL CURRENTLY IN USE	1,640	3,730



No. of Tankers/Tanker journeys in the Kalak Refinery Chain

FIELD TO REFINERY			DIRECT FROM REFINERY			DISTRIBUTION FROM ERBIL STORAGE			FROM OTHER STORAGES					
Field	Feed to Refinery (bpd via pipe)	No. Tankers	Product	Output (bpd)	No. Tankers	Distribution (bpd)	No. Tankers	Distribution (bpd)	No. Tankers					
Khurmala	85,000	0	REFINERY	Fuel Oil	9,010	51	Trade							
					13,515	77	power plants							
					22,525	129	Industry							
				Naphtha	3,400	19	Trade	30%	4335	25	Dohuk/Suly Storage	4335	25	Distribution
				Benzene	14,450	83	Storage	14450	70%	10115	58	Erbil Distribution		
				Diesel	13,600	78	Power							
				Kerosene	4,250	24	Storage	4250	24	Domestic Supply				
				Jet Fuel	4,250	24	Airport							

BY PIPELINE

	1-Way	2-Way
Total Domestic:	546	1,092
Total International	71	142
Total:		1,234

No. of Tankers/Tanker journeys in the Bazian Refinery Chain

FIELD TO REFINERY			DIRECT FROM REFINERY			DISTRIBUTION FROM SULY STORAGE				
Field	Feed to Refinery (bpd)	No. Tankers	Product	Output (bpd)	No. Tankers	Distribution (bpd)	No. Tankers			
Taq Taq	35,000	200	REFINERY	Fuel Oil	6,615	38	Trade			
					2,835	16	Industry			
				Naphtha	8,050	46	Trade			
				Benzene	7,700	44	KRG Storage	7700	44	Suly Distribution
				Diesel	6,300	36	Power			
				Kerosene	3,500	20	KRG Storage	3,500	20	Domestic Supply
				Jet Fuel	0	0	Airport			

	1-Way	2-Way
Total Domestic:	380	760
Total International	84	168
Total:		928

Oil Swaps with Local Traders for Diesel

FIELD TO TOPPING PLANTS			DIRECT FROM TOPPING PLANTS			
Field	Supply (bpd)	No. Tankers	Product	Output (bpd)	No. Tankers	No. Tankers
			Other Products	18,368	105	International Trade
			82%			
			Other Products	4,592	26	local trade
Khurmala	28,000	160	TOPPING PLANTS			
			18% Diesel	5,040	29	KRG Storage 29 power plants

IMPORTED DIESEL TO POWER PLANTS

Supply (bpd)	No. Tankers		
7,000	40	KRG Storage	40 power plants

	1-Way	2-Way
Total Domestic:	255	510
Total International	145	290
Total:		800

Heavy Oil Swaps with Powertrans for Diesel

OIL FROM FIELDS TO TURKEY

Field	Supply (bpd)	No. Tankers
Various	10,000	57

DIESEL FROM TURKEY TO POWER PLANTS

Supply (bpd)	No. Tankers		
5,000	29	storage	29 power plants

	1-Way	2-Way
Total Domestic:	0	0
Total International	114	228
Total:		228

Private Import by Local Traders for their own use and private trade

IMPORTED PRODUCTS

Supply (bpd)	No. Tankers					
37500	214	15%	5,625	32	Kirkuk	these are Kirkuk imports for Kirkuk domestic use transiting via Sulaimanya
		85%	31,875	182	Private Storage	31,875 182 Private distribution

Total Domestic:	182	364
Total International	214	428
Total:		792

Powertrans Imports being purchased by KRG internationally (20%Kerosene, 80% Benzene)

IMPORTED PRODUCTS

Supply (bpd)	No. Tankers		Supply (bpd)	No. Tankers	
21,875	125	KRG Storage	4375	25	kerosene for public
			17500	100	power plants

Total Domestic:	125	250
Total International	125	250
Total:		500

Condensate from Kormor

FIELD TO ERBIL STORAGE			STORAGE TO TURKEY		
Field	Supply (TON/DAY)	No. Tankers	Product	Output (bpd)	No. Tankers
Kormor	1,500	60	KRG Storage	1,500	60
					Turkey

LPG from Kormor

FIELD TO ERBIL STORAGE					
Field	Supply (TON/DAY)	No. Tankers			
Kormor	1,000	40	domestic factories	1,000	40
					domestic distribution

Total Domestic:	140	280
Total International	60	120
Total:		400

Trucking from field to inject to Pipeline for Exports

FIELD TO ERBIL AND DUHOK EXPORT PUMPING STATIONS

Field	Supply (bpd)	No. Tankers	
Various	55,000	244	injected to export pipeline in Erbil and Duhok

Total Domestic:	244	488
Total International	0	0
Total:		488