



GOVERNMENT OF THE REPUBLIC OF TRINIDAD AND TOBAGO  
MINISTRY OF ENERGY AND ENERGY INDUSTRIES

# CONSOLIDATED MONTHLY BULLETINS



## JULY 2017

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Image on Cover Page : CNG Bus & CNG Refuelling Station [Source : NGC]

## LIST OF ABBREVIATIONS USED

### Company and Facility Names

ALNG	- Atlantic LNG Company of Trinidad and Tobago Ltd	PCS 01,02,03,04	- PCS Nitrogen Ammonia Plants 1, 2, 3, 4
ATLAS	- Atlas Methanol Plant	PCS (Urea)	- PCS Nitrogen Urea Plant
AUM-NH3	- Ammonia Plant from AUM Complex	PLNL	- Point Lisas Nitrogen Ltd (formerly Farmland MissChem Ltd)
AVDWL	- A&V Drilling and Workover Limited	PPGPL	- Phoenix Park Gas Processors Ltd
AVOGL	- A&V Oil & Gas Ltd	PRIM	- Primera Oil and Gas Ltd (formerly PCOL)
BHP	- BHP Billiton (Trinidad) Limited	PTRIN	- Petroleum Company of Trinidad and Tobago Ltd
BOLT	- Beach Oilfield Trinidad Limited	RALCOFF	- Ralf Coffman
BPTT	- BP Trinidad and Tobago LLC	REXLII	- Rowan EXL II Rig
CMC (M2)	- Caribbean Methanol Company Ltd (& Plant)	RPTTL	- Rocky Point T&T Ltd
CNC	- Caribbean Nitrogen Company Ltd (& Plant)	RRDSL	- Range Resources Drilling Services Ltd
DOV	- Diamond Ocean Victory Rig	TEPGL	- Trinity Exploration & Production (Galeota)Ltd (formerly Bayfield Energy Galeota Ltd)
EOG	- EOG Resources Trinidad Ltd	TEPL	- Trinity Exploration & Production Ltd (formerly Ten Degrees North Energy Ltd)
EOGUA	EOG Resources Trinidad Block U (a) Unlimited	TETL	- Touchstone Exploration (Trinidad) Ltd
FETL	- Fram Exploration Trinidad Limited	TITAN	- Titan Methanol Plant
JOEDOUG	- Joe Douglas Rig	TMAR	- Trinmar Strategic Business Unit, Petrotrin
LOL	- Lease Operators Ltd	TRINGEN I & II	- Trinidad Nitrogen Company Ltd Plants I & II
MIV (M4)	- Methanol IV Company Ltd Plant	TTMC I (M1)	- Trinidad and Tobago Methanol Company Ltd Plant I
M5000 (M5)	- M5000 Methanol Plant	TTMC II (M3)	- Trinidad and Tobago Methanol Company Ltd Plant II
MEPR	- Massy Energy Production Resources	TWSC	- Tallon Well Services Company
N2000	- Nitrogen 2000 Unlimited	WSL	- Well Services Petroleum Company Limited
NGC	- The National Gas Company of Trinidad & Tobago Ltd	YARA	- Yara Trinidad Ltd
NHETT	- New Horizon Energy Trinidad and Tobago Ltd		
PERENCO	- PERENCO Trinidad & Tobago (formerly REPSOL)		

## LIST OF ABBREVIATIONS USED

### Units

BBLS	- Barrels
BCPD	- Barrels of condensate per day
BOPD	- Barrels of oil per day
BPCD	- Barrels per calendar day
FT (or ft)	- Feet
M <sup>3</sup>	- Cubic Metres
MMBTU	- Millions of British Thermal Units
MMSCF	- Millions of Standard Cubic feet
MMSCF/D	- Millions of Standard Cubic Feet per day
MSCF	- Thousands of Standard Cubic Feet
MT	- Metric Tonnes

### Products

LNG	- Liquefied Natural Gas
LPG	- Liquefied Petroleum Gas
NGLs	- Natural Gas Liquids
UAN	- Urea Ammonium Nitrate

### Other

ATD	- Authorised Total Depth	wo	- workover
CB	- Central Block		
DEV	- Development		
ECMA	- East Coast Marine Area		
EXPL	- Exploration		
FO	- Farmouts		
IPSC	- Incremental Production Service Contracts		
KOP	- Kick-off Point		
LO	- Lease Operators		
NCMA	- North Coast Marine Area		
PAP	- Pointe-a-Pierre		
ST	- Sidetrack		
TD	- Total Depth		
wef	- with effect from		

**TABLE 1A - CRUDE OIL & CONDENSATE PRODUCTION IN 2017 (BOPD)**

	SHELL ECMA	BPTT	TMAR	PTRIN	PTRIN (LO)	PTRIN (IPSC)	PTRIN (FO)	TEPGL	PRIM	EOG	BOLT	TEPL	SHELL CB	MEPR	NHETT	BHP	PERENCO	SUBTOTAL		TOTAL
																		LAND	MARINE	
Jan-17	414	15,586	18,693	11,865	5,899	2,589	754	954	300	1,413	0	242	241	101	69	5,076	11,203	21,820	53,581	<b>75,401</b>
Feb-17	414	13,133	19,831	11,846	6,042	3,036	721	1,007	296	1,254	4	280	454	98	67	5,729	11,740	22,562	53,388	<b>75,951</b>
Mar-17	357	10,373	19,188	11,935	5,963	3,024	703	970	313	1,203	0	244	342	88	61	4,829	12,115	22,429	49,279	<b>71,708</b>
Apr-17	414	10,261	20,123	11,925	5,511	5,017	599	928	320	1,211	0	272	443	68	63	3,842	12,254	23,945	49,305	<b>73,251</b>
May-17	408	9,546	20,742	11,797	6,200	4,400	679	855	307	1,164	0	194	193	89	55	1,656	12,856	23,720	47,421	<b>71,141</b>
Jun-17	396	12,658	18,990	11,383	5,879	5,664	681	778	306	980	<b>3</b>	269	475	64	44	1,958	10,987	24,499	47,016	<b>71,515</b>
Jul-17	<b>425</b>	11,879	20,485	11,992	6,019	3,071	676	907	307	1,182	<b>8</b>	258	416	73	45	2,874	12,152	22,609	50,162	<b>72,771</b>
Aug-17																				
Sep-17																				
Oct-17																				
Nov-17																				
Dec-17																				
<b>AVG 2017</b>	<b>404</b>	<b>11,907</b>	<b>19,722</b>	<b>11,822</b>	<b>5,931</b>	<b>3,826</b>	<b>688</b>	<b>913</b>	<b>307</b>	<b>1,201</b>	<b>2</b>	<b>251</b>	<b>364</b>	<b>83</b>	<b>58</b>	<b>3,688</b>	<b>11,906</b>	<b>23,080</b>	<b>49,991</b>	<b>73,071</b>

NOTE: Figures in **RED/Italics** are still preliminary at this time.

TABLE 1B - CONDENSATE PRODUCTION (ONLY) IN 2017 (BOPD)						
	BPTT	SHELL ECMA	SHELL CB	EOG	NGC	TOTAL
Jan-17	14,535	414	241	1,413	92	16,694
Feb-17	13,013	414	454	1,254	50	15,185
Mar-17	9,607	357	342	1,203	79	11,589
Apr-17	9,548	414	443	1,211	100	11,717
May-17	9,027	408	193	1,164	136	10,928
Jun-17	11,875	396	475	980	228	13,954
Jul-17	11,162	<i>425</i>	416	1,182	143	13,329
Aug-17						
Sep-17						
Oct-17						
Nov-17						
Dec-17						
<b>AVG 2017</b>	<b>11,233</b>	<b>404</b>	<b>364</b>	<b>1,201</b>	<b>119</b>	<b>13,321</b>

NOTE: NGC production is condensate received at Beachfield from NGC offshore pipelines

NOTE: Figures in *RED/Italics* are still preliminary at this time.

**TABLE 2A - DRILLING RIGS IN USE IN 2017**

	MARINE		LAND		
	BPTT	EOG	PTRIN	PTRIN (IPSC)	PTRIN (LO)
Jan-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6	WSL RIG # 4
Feb-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6, TWSC #38	WSL RIG # 4
Mar-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6, TWSC #38, RRDSL #18	WSL RIG # 4
Apr-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6, RRDSL #18	WSL RIG # 4
May-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6	WSL RIG # 4
Jun-17	DOV, JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6	WSL RIG # 4
Jul-17	JOEDOUG, REXLII	RALCOFF	PTRIN RIG #1	AVDWL RIG #6	WSL RIG # 4
Aug-17					
Sep-17					
Oct-17					
Nov-17					
Dec-17					



TABLE 2B - RIG DAYS IN 2017						
	BPTT	EOG	PTRIN	PTRIN (IPSC)	PTRIN (LO)	TOTAL
Jan-17	62	30	31	23	15	161
Feb-17	76	28	28	39	27	198
Mar-17	79	31	31	34	28	203
Apr-17	82	15	30	34	5	166
May-17	83	16	31	14	27	171
Jun-17	42	30	30	28	27	157
Jul-17	62	22	31	9	27	151
Aug-17						
Sep-17						
Oct-17						
Nov-17						
Dec-17						
<b>TOTAL</b>	<b>486</b>	<b>172</b>	<b>212</b>	<b>181</b>	<b>156</b>	<b>1,207</b>

<b>TABLE 2C - DEPTH DRILLED IN 2017 (FT)</b>						
	<b>BPTT</b>	<b>PTRIN</b>	<b>PTRIN (IPSC)</b>	<b>PTRIN (LO)</b>	<b>EOG</b>	<b>TOTAL</b>
Jan-17	19,860	3,203	7,493	6,308	19,445	<b>56,309</b>
Feb-17	19,958	4,838	6,353	14,200	0	<b>45,349</b>
Mar-17	8,122	4,335	3,853	6,027	0	<b>22,337</b>
Apr-17	14,703	1,820	9,741	3,106	0	<b>29,370</b>
May-17	6,624	3,724	4,733	12,777	13,276	<b>41,134</b>
Jun-17	6,486	5,103	8,424	8,799	1,104	<b>29,916</b>
Jul-17	8,717	4,707	2,535	12,667	5,008	<b>33,634</b>
Aug-17						
Sep-17						
Oct-17						
Nov-17						
Dec-17						
<b>TOTAL</b>	<b>84,470</b>	<b>27,730</b>	<b>43,132</b>	<b>63,884</b>	<b>38,833</b>	<b>258,049</b>

TABLE 2D - WELLS STARTED IN 2017

COMPANY/OPERATOR	FIELD/BLOCK	WELL NUMBER	RIG NAME	CLASSIFICATION	DATE SPUDDED	DATE COMPLETED	TD (ft)	ATD (ft)
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-157	AVDWL RIG 6	DEV	14-Jan-17	-	3,000	3,000
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-158	AVDWL RIG 6	DEV	26-Jan-17	-	1,975	2,250
PTRIN	PT FORTIN EAST	PFE-LAND-224ST	PTRIN RIG #1	DEV	17-Jan-17	3-Mar-17	4,156	4,156
PTRIN	FOREST RESERVE	FOR-LAND-1777	PTRIN RIG #1	DEV	4-Jan-17	-	1,451	1,451
PTRIN (LO) (LOL)	FOREST RESERVE	FOR-LAND-1778	WSL RIG #4	DEV	10-Jan-17	-	5,708	5,708
PTRIN (LO) (LOL)	FOREST RESERVE	FOR LAND 1779	WSL RIG #4	DEV	31-Jan-17	-	4,750	4,750
BPTT	PARANG	PAR-AMA-02	JOEDOUG	DEV	8-Jan-17	4-Feb-17	7,731	7,681
PTRIN	POINT FORTIN EAST	PFE-LAND-225	PTRIN RIG #1	DEV	19-Feb-17	17-Mar-17	3,860	4,127
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-159	AVDWL RIG 6	DEV	5-Feb-17	-	2,263	2,250
PTRIN (IPSC) (FETL)	ANTILLES TRINITY	ANT-LAND-88	TWSC #38	DEV	10-Feb-17	-	1,900	2,500
PTRIN (LO) (LOL)	FOREST RESERVE	FOR-LAND-1781	WSL #4	DEV	22-Feb-17	-	5,170	5,164
PTRIN (LO) (LOL)	FOREST RESERVE	FOR-LAND-1780	WSL #4	DEV	11-Feb-17	-	5,406	5,402
BPTT	PARANG	PAR-KAP-01	REXLII	DEV	8-Feb-17	22-Apr-17	13,811	13,276
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-160	AVDWL RIG 6	DEV	22-Feb-17	27-Feb-17	2,274	2,250
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-160X	AVDWL RIG 6	DEV	3-Mar-17	-	2,032	1,950
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-161	AVDWL RIG 6	DEV	29-Mar-17	-	2,400	3,000
PTRIN (IPSC) (GEPL)	GOUDRON	GOU-LAND-682	RRDSL #18	DEV	4-Mar-17	-	1,145	1,130
PTRIN (IPSC) (GEPL)	GOUDRON	GOU-LAND-683	RRDSL #18	DEV	31-Mar-17	-	1,250	1,250
PTRIN (LOL) (RPTTL)	PALO SECO	PAS-LAND-1509ST	WSL #4	DEV	6-Mar-17	-	5,501	6,260
PTRIN	PT FORTIN CENTRAL	PFC-LAND-462	PTRIN RIG #1	DEV	22-Mar-17	-	3,508	3,508
BPTT	EAST MAYARO	MACADAMIA-1	JOEDOUG	EXPL A2c	25-Mar-17	21-May-17	12,585	12,609
BPTT	KAPOK	KAP-KAA-14	REXLII	DEV	15-Apr-17	14-Jun-17	7,408	7,302
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT LAND 162	AVDWL RIG 6	DEV	7-Apr-17	-	2,200	2,650
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT LAND 163	AVDWL RIG 6	DEV	15-Apr-17	-	2,212	2,400
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT LAND 164	AVDWL RIG 6	DEV	23-Apr-17	-	2,246	2,650
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT LAND 165	AVDWL RIG 6	DEV	30-Apr-17	-	2,389	2,400
PTRIN (LO) (LOL)	FOREST RESERVE	FOR LAND 1782	WSL #4	DEV	26-Apr-17	23-Jun-17	5,615	5,607
PTRIN	MCKENZIE	MCK-LAND-94	PTRIN RIG #1	DEV	25-Apr-17	-	4,022	4,051
EOGRTL	CASSIA	CAS-BAA-02	RALCOFF	DEV	16-May-17	10-Jul-17	14,380	14,419
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-166	AVDWL RIG 6	DEV	23-May-17	-	2,404	2,400
PTRIN	FOREST RESERVE	FOR-LAND-1783	PTRIN RIG #1	DEV	27-May-17	-	2,441	2,441

TABLE 2D - WELLS STARTED IN 2017

COMPANY/OPERATOR	FIELD/BLOCK	WELL NUMBER	RIG NAME	CLASSIFICATION	DATE SPUDDED	DATE COMPLETED	TD (ft)	ATD (ft)
PTRIN (LO) TETL	CCORA	COO1-LAND-368	WSL #4	DEV	12-May-17	-	5,360	5,300
PTRIN (LO) TETL	CCORA	COO1-LAND-369	WSL #4	DEV	25-May-17	-	5,627	5,425
BPTT	KAPOK	KAP-KAA-15	REXLII	DEV	16-Jun-17	-	7,086	6,963
BPTT	SERRETTE	SER-SER-05ST1	JOEDOUG	DEV	24-Jun-17	-	5,581	11,814
PTRIN	FOREST RESERVE	FOR-LAND-1784	PTRIN RIG #1	DEV	10-Jun-17	-	1,835	1,835
PTRIN	FOREST RESERVE	FOR-LAND-1785	PTRIN RIG #1	DEV	23-Jun-17	-	1,750	1,750
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-167	AVDWL RIG 6	DEV	3-Jun-17	-	2,746	3,000
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-168	AVDWL RIG 6	DEV	11-Jun-17	23-Jun-17	3,243	3,000
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-168X	AVDWL RIG 6	DEV	25-Jun-17	-	2,500	3,000
PTRIN (TETL) ( LO)	PALO SECO	PAS-LAND-598	WSL #4	DEV	8-Jun-17	-	7,340	7,454
PTRIN (TETL) ( LO)	PALO SECO	PAS-LAND-599	WSL #4	DEV	30-Jun-17	-	6,926	6,732
EOGUA	OSPREY	OSP-OSA-06	RALCOFF	DEV	28-Jul-17	-	1255	7728
EOGUA	OSPREY	OSP-OSA-OSP_07	RALCOFF	EXPL A.2b	27-Jul-17	-	1258	15187
EOGUA	OSPREY	OSP-OSA-08	RALCOFF	DEV	21-Jul-17	-	1260	12220
EOGUA	OSPREY	OSP-OSA-OSP_09	RALCOFF	EXPL A.1	25-Jul-17	-	1235	12623
PTRIN	PALO SECO	PAS-LAND-600	PTRIN RIG #1	DEV	7-Jul-17	-	3970	3970
PTRIN	PT FORTIN EAST	PFE-LAND-226	PTRIN RIG #1	DEV	26-Jul-17	-	737	4142
PTRIN (IPSC) (AVOGL)	CATSHILL	CAT-LAND-169	AVDWL RIG 6	DEV	2-Jul-17	-	2535	3000
PTRIN (LO) ( LOL)	FOREST RESERVE	FOR-LAND-1786	WSL #4	DEV	18-Jul-17	-	5532	5532
PTRIN (LO) ( LOL)	FOREST RESERVE	FOR-LAND-1787	WSL #4	DEV	31-Jul-17	-	949	5678

TABLE 2E - WELL COMPLETIONS IN 2017

	WELL COMPLETIONS - OIL						WELL COMPLETIONS - GAS				WELL COMPLETIONS - OTHER						TOTAL COMPLETIONS
	PTRIN (LO)	PTRIN (FO)	PTRIN (IPSC)	TMAR	PTRIN	TOTAL OIL	BPTT	BHP	EOG	TOTAL GAS	PTRIN	PTRIN (IPSC)	PTRIN (FO)	BPTT	TMAR	TOTAL OTHER	
Jan-17	0	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	2
Feb-17	0	0	0	0	1	1	1	0	1	2	0	1	0	0	0	1	4
Mar-17	0	0	0	0	1	1	1	0	1	2	1	0	0	0	0	1	4
Apr-17	0	0	0	0	0	0	1	0	2	3	0	0	0	0	0	0	3
May-17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1
Jun-17	0	0	0	0	0	0	1	0	0	1	0	1	0	1	0	2	3
Jul-17	0	0	2	0	0	2	0	0	1	1	0	0	0	0	0	0	3
Aug-17																	
Sep-17																	
Oct-17																	
Nov-17																	
Dec-17																	
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>20</b>

NOTE: \* Includes Abandonments

**TABLE 2F - MEEI APPROVED WORKOVERS COMPLETED AND WINCH HOURS IN 2017**

	<b>TMAR</b>	<b>PTRIN</b>	<b>PRIM</b>	<b>PTRIN (IPSC)</b>	<b>PTRIN (FO)</b>	<b>PTRIN (LO)</b>	<b>BPTT</b>	<b>TOTAL WORKOVERS COMPLETED</b>	<b>TOTAL WINCH HOURS</b>
Jan-17	2	2	0	0	0	2	0	6	1,560
Feb-17	2	6	1	1	0	4	1	15	1,130
Mar-17	2	3	0	0	0	1	1	7	1,346
Apr-17	1	3	0	0	0	4	0	8	723
May-17	0	3	0	1	1	4	0	9	1,336
Jun-17	1	7	0	0	1	4	0	13	1,794
Jul-17	0	9	0	3	0	5	0	17	1,290
Aug-17									
Sep-17									
Oct-17									
Nov-17									
Dec-17									
<b>TOTAL</b>	<b>8</b>	<b>33</b>	<b>1</b>	<b>5</b>	<b>2</b>	<b>24</b>	<b>2</b>	<b>75</b>	<b>9,178</b>

TABLE 3A - NATURAL GAS PRODUCTION BY COMPANY IN 2017 (MMSCF/D)

COMPANY	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	AVG 2017
BPTT	1,875	1,803	1,615	1,707	1,655	1,807	2,070						1,790
TMAR	5	12	18	13	15	15	16						13
PTRIN	2	2	2	2	2	2	2						2
EOG	522	518	504	528	540	498	495						515
SHELL	549	619	602	603	447	467	534						546
BHP	338	372	397	396	324	327	333						355
PERENCO	56	69	63	54	53	60	60						59
<b>TOTAL</b>	<b>3,348</b>	<b>3,396</b>	<b>3,202</b>	<b>3,303</b>	<b>3,035</b>	<b>3,175</b>	<b>3,510</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,281</b>

TABLE 3B - NATURAL GAS UTILIZATION BY SECTOR IN 2017 (MMSCF/D)

SECTOR	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	AVG 2017
Power Generation	233	233	250	270	268	256	254						252
Ammonia Manufacture	525	582	558	572	568	566	543						559
Methanol Manufacture	463	407	409	478	459	457	476						450
Refinery	49	68	72	68	47	60	59						60
Iron & Steel Manufacture	51	51	49	30	42	46	48						45
Cement Manufacture	10	11	11	14	13	11	13						12
Ammonia Derivatives	18	20	18	12	20	20	20						18
Gas Processing	24	27	24	27	22	23	24						24
Small Consumers	8	8	8	8	9	9	8						8
LNG	1784	1736	1566	1652	1439	1594	1843						1,659
<b>TOTAL</b>	<b>3,166</b>	<b>3,143</b>	<b>2,966</b>	<b>3,130</b>	<b>2,888</b>	<b>3,042</b>	<b>3,288</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3,089</b>

NOTE: Figures in *RED/Italics* are preliminary.

NOTE : Ammonia Derivatives are Urea, UAN and Melamine

TABLE 4A - CRUDE OIL IMPORTS IN 2017 (BBLs)

CRUDE TYPE	COUNTRY	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Antan/Remboue Blend	Nigeria	-	-	-	-	-	-	-						-
Bijupira Crude	Brazil	-	-	-	-	-	-	-						-
Cabinda	Angola	-	-	-	-	-	-	-						-
Cano Limon	Colombia	-	-	-	-	-	-	-						-
Congo/Remboue Composite	Congo	-	-	-	628,049	-	-	-						628,049
Lucina Blend	Gabon	112,625	223,368	195,755	-	-	207,276	219,070						958,094
Lula	Brazil	483,729	479,171	978,048	-	-	-	478,719						2,419,667
Mandji Crude	Gabon	601,290	502,229	-	-	-	-	409,089						1,512,608
Marlim Crude	Brazil	-	-	-	-	-	-	-						-
Mesa	Venezuela	-	-	-	-	-	-	-						-
Ogeundjo Blend	Gabon	-	608,317	546,017	-	-	1,308,080	-						2,462,414
Ogeundjo	Switzerland	-	-	-	-	-	-	-						-
Oriente	Panama	-	-	-	-	-	-	-						-
Oriente	Rep. of Ecuador	-	-	-	-	-	-	-						-
Roncador	Brazil	-	-	469,208	-	-	488,872	-						958,080
Saltpond Crude	Russia	-	-	-	-	-	-	-						-
Saltpond/Ogeundjo Crude	Ghana	-	-	-	-	-	-	-						-
Urals/Russian Blend	Russia	-	-	-	-	-	-	-						-
Varandey Blend	Russia	727,986	714,796	755,175	1,532,317	1,535,937	-	763,767						6,029,978
Varandey	Norway	-	-	-	-	-	-	-						-
Vasconia	Colombia	506,562	-	501,056	524,850	999,247	-	972,295						3,504,010
Woodbourne	Barbados	28,479	28,083	-	-	29,607	30,067	-						116,236
<b>TOTAL</b>		<b>2,460,671</b>	<b>2,555,964</b>	<b>3,445,259</b>	<b>2,685,216</b>	<b>2,564,791</b>	<b>2,034,295</b>	<b>2,842,940</b>	-	-	-	-	-	<b>18,589,136</b>

TABLE 4B - CRUDE OIL EXPORTS IN 2017 (BBLs)

CRUDE TYPE	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Galeota Mix	760,996	600,525	830,294	869,096	830,251	804,555	822,854						5,518,571
Calypso Crude	362,196	-	361,436	-	-	301,300	-						1,024,932
<b>TOTAL</b>	<b>1,123,192</b>	<b>600,525</b>	<b>1,191,730</b>	<b>869,096</b>	<b>830,251</b>	<b>1,105,855</b>	<b>822,854</b>	-	-	-	-	-	<b>6,543,503</b>



**TABLE 4C - PETROTRIN PAP REFINERY SALES IN 2017 (BBLs)**

<b>LOCAL SALES (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
Liquefied Petroleum Gas	40,225	31,996	61,070	55,476	54,265	57,400	48,468						348,900
Motor Gasoline	364,967	358,584	366,508	364,482	392,890	357,570	392,912						2,597,913
Naphtha	-	-	-	-	-	-	-						-
Aviation Gasoline	-	-	-	-	-	-	-						-
Kerosine/Jet	94,874	81,708	86,592	82,065	90,155	79,691	81,195						596,280
Gas Oils /Diesel	315,598	313,022	320,062	267,766	318,136	272,667	290,010						2,097,261
Fuel Oils	35,075	9,018	19,880	5,947	-	-	19,993						89,913
Bitumen	6,991	5,773	5,847	3,718	7,415	10,502	7,375						47,621
Sulphur	-	-	-	-	-	-	-						-
Other Refined/Unfinished Prod.	-	-	-	-	-	-	-						-
<b>TOTAL</b>	<b>857,730</b>	<b>800,101</b>	<b>859,959</b>	<b>779,454</b>	<b>862,861</b>	<b>777,830</b>	<b>839,953</b>	-	-	-	-	-	<b>5,777,888</b>

<b>EXPORT SALES (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
Liquefied Petroleum Gas	-	-	-	-	-	-	-						-
Motor Gasoline	529,159	345,073	807,515	1,051,027	586,804	671,789	767,688						4,759,055
Naphtha	-	-	-	-	-	-	-						-
Aviation Gasoline	-	-	-	-	-	-	-						-
Kerosine/Jet	173,907	356,945	297,755	361,523	164,988	182,522	292,216						1,829,856
Gas Oils /Diesel	698,498	507,701	563,640	741,752	661,702	376,926	745,266						4,295,485
Fuel Oils	664,269	1,369,556	1,257,262	1,356,891	1,729,170	1,169,035	1,116,103						8,662,286
Bitumen	-	-	-	-	-	-	-						-
Sulphur	-	-	-	-	-	-	-						-
Other Refined/Unfinished Prod.	349,972	699,562	350,114	-	-	-	345,401						1,745,049
<b>TOTAL</b>	<b>2,415,805</b>	<b>3,278,837</b>	<b>3,276,286</b>	<b>3,511,193</b>	<b>3,142,664</b>	<b>2,400,272</b>	<b>3,266,674</b>	-	-	-	-	-	<b>21,291,731</b>

**TABLE 4D - PETROTRIN PAP REFINERY OUTPUT IN 2017 (BBLS)**

PRODUCT	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Liquefied Petroleum Gas	(15,880)	15,703	(20,209)	(28,926)	(33,005)	(28,417)	(34,246)						(144,980)
Motor Gasoline	766,475	622,497	1,480,220	1,349,629	926,349	954,054	1,173,339						7,272,563
Aviation Gasoline	(31,433)	(602)	1,973	(12,012)	37,870	(24,886)	20,954						(8,136)
Kerosine/Jet	268,290	371,745	418,585	404,313	336,802	247,288	354,313						2,401,336
Gas Oils / Diesel	887,727	843,711	1,036,758	978,024	873,009	788,093	1,059,100						6,466,422
Fuel Oils	1,259,315	1,164,707	1,433,034	1,312,655	1,705,101	893,505	1,251,737						9,020,054
Bitumen	1,686	11,529	1,169	6,700	945	19,235	2,090						43,354
Sulphur	2,124	1,108	-	-	-	-	-						3,232
Other Refined/Unfinished Prod.	422,641	768,693	(137,809)	183,146	(157,700)	213,832	383,454						1,676,257
Refinery Loss/(Gain)	109,562	121,267	89,686	123,129	104,734	36,924	38,172						623,474
Refinery Gas	-	-	-	-	-	52,646	60,926						113,572
<b>TOTAL</b>	<b>3,670,507</b>	<b>3,920,358</b>	<b>4,303,407</b>	<b>4,316,658</b>	<b>3,794,105</b>	<b>3,152,274</b>	<b>4,309,839</b>	-	-	-	-	-	27,467,148

**TABLE 4E - PETROTRIN PAP REFINERY THROUGHPUT IN 2017 (BBLs & BOPD)**

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	AVG 2017
Throughput (BBLs)	3,670,507	3,920,358	4,303,407	4,316,658	3,794,105	3,152,274	4,309,839						3,923,878
Throughput (BOPD)	118,403	140,013	138,820	143,889	122,390	105,076	139,027						129,660

**TABLE 5A - PRODUCTION AND EXPORT OF NGLS FROM PPGPL IN 2017 (BBLs)**

<b>PRODUCTION (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
<b>Propane</b>	306,187	270,894	266,237	294,900	300,902	293,630	322,479						<b>2,055,229</b>
<b>Butane</b>	231,850	201,048	204,668	220,570	224,188	236,667	256,201						<b>1,575,192</b>
<b>Natural Gasoline</b>	298,911	254,223	241,622	256,489	260,531	297,840	321,210						<b>1,930,826</b>
<b>TOTAL</b>	<b>836,948</b>	<b>726,165</b>	<b>712,527</b>	<b>771,959</b>	<b>785,621</b>	<b>828,137</b>	<b>899,890</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5,561,247</b>
<b>EXPORT (BBLs)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
<b>Propane</b>	311,409	329,007	176,978	176,520	374,641	171,979	364,095						<b>1,904,629</b>
<b>Butane</b>	139,336	240,431	249,304	94,949	30,035	85,443	225,730						<b>1,065,228</b>
<b>Natural Gasoline</b>	329,692	305,010	319,222	0	322,472	327,831	319,894						<b>1,924,121</b>
<b>TOTAL</b>	<b>780,437</b>	<b>874,448</b>	<b>745,504</b>	<b>271,469</b>	<b>727,148</b>	<b>585,253</b>	<b>909,719</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,893,978</b>

NOTE: Local NGL sales from ALNG are to mainly PPGPL. These sold NGL volumes have been included in PPGPL's production data.

**TABLE 5B - PRODUCTION AND EXPORT OF AMMONIA IN 2017 (MT)**

PRODUCTION (MT)													
PLANT	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Yara	13,922	13,295	8,085	22,507	19,107	7,660	12,516						97,092
Tringen I	39,265	37,866	41,959	36,044	38,386	41,542	36,161						271,223
Tringen II	46,682	35,719	42,418	38,111	41,672	45,019	44,342						293,963
PCS (01,02,03,04)	160,565	154,507	162,436	163,356	163,410	166,458	PENDING						970,732
PLNL	55,485	54,148	60,096	56,695	61,031	48,641	60,745						396,841
CNC	16,413	24,017	53,794	53,513	53,016	48,228	56,824						305,805
N2000	50,592	46,427	43,801	49,919	54,505	54,658	57,233						357,135
AUM-NH3	6,507	1,751	18,514	3,607	18,386	12,360	10,954						72,079
<b>TOTAL</b>	<b>389,431</b>	<b>367,730</b>	<b>431,103</b>	<b>423,752</b>	<b>449,513</b>	<b>424,566</b>	<b>278,775</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,764,870</b>
EXPORT (MT)													
PLANT	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Yara	17,600	17,817	4,400	10,600	36,324	4,847	0						91,588
Tringen I	36,428	40,072	25,269	54,050	34,100	32,293	37,012						259,224
Tringen II	17,507	54,455	43,346	39,507	17,706	45,780	66,280						284,581
PCS (01,02,03,04)	166,425	99,912	163,965	174,193	99,816	162,544	PENDING						866,854
PLNL	41,075	85,506	48,752	60,013	54,961	43,684	79,421						413,412
CNC	36,791	52,081	65,421	62,689	55,503	38,848	82,308						393,641
N2000	22,709	29,824	34,888	26,715	30,380	38,900	80,381						263,797
AUM-NH3	0	0	0	0	0	0	0						0
<b>TOTAL</b>	<b>338,535</b>	<b>379,667</b>	<b>386,041</b>	<b>427,767</b>	<b>328,790</b>	<b>366,896</b>	<b>345,402</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,573,097</b>

**TABLE 5C - PRODUCTION AND EXPORT OF DOWNSTREAM AMMONIA PRODUCTS IN 2017 (MT)**

<b>PRODUCTION (MT)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
<b>Urea</b>	55,622	49,638	44,282	7,507	47,957	57,108	PENDING						<b>262,116</b>
<b>UAN</b>	115,516	118,515	99,227	114,005	122,044	108,559	109,673						<b>787,539</b>
<b>Melamine</b>	2,268	2,355	1,780	2,414	2,847	2,459	2,311						<b>16,434</b>
<b>TOTAL</b>	<b>173,406</b>	<b>170,508</b>	<b>145,289</b>	<b>123,926</b>	<b>172,848</b>	<b>168,126</b>	<b>111,984</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,066,089</b>
<b>EXPORT (MT)</b>													
<b>PRODUCT</b>	<b>Jan-17</b>	<b>Feb-17</b>	<b>Mar-17</b>	<b>Apr-17</b>	<b>May-17</b>	<b>Jun-17</b>	<b>Jul-17</b>	<b>Aug-17</b>	<b>Sep-17</b>	<b>Oct-17</b>	<b>Nov-17</b>	<b>Dec-17</b>	<b>TOTAL</b>
<b>Urea</b>	64,401	59,368	51,186	11,397	26,242	61,038	PENDING						<b>273,632</b>
<b>UAN</b>	88,246	123,547	140,119	130,747	80,559	80,560	76,638						<b>720,416</b>
<b>Melamine</b>	2,400	1,980	1,660	2,900	2,420	2,420	2,740						<b>16,520</b>
<b>TOTAL</b>	<b>155,047</b>	<b>184,895</b>	<b>192,965</b>	<b>145,044</b>	<b>109,221</b>	<b>144,018</b>	<b>79,378</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,010,568</b>

**TABLE 5D - PRODUCTION AND EXPORT OF METHANOL IN 2017 (MT)**

PRODUCTION (MT)													
PLANT	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
TTMC I	0	0	0	0	0	0	0						0
CMC	0	0	0	0	2,552	43,525	37,307						83,384
TTMC II	19,679	43,358	40,464	48,251	45,659	47,713	32,203						277,327
MIV	37,844	8,068	0	27,874	5,839	0	0						79,625
Titan	62,494	62,881	32,298	44,435	64,075	54,267	51,102						371,552
Atlas	144,339	76,364	156,559	152,116	150,970	149,710	137,429						967,487
M5000	149,704	136,142	145,316	139,442	143,202	79,403	168,782						961,991
<b>TOTAL</b>	<b>414,060</b>	<b>326,813</b>	<b>374,637</b>	<b>412,118</b>	<b>412,297</b>	<b>374,618</b>	<b>426,823</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,741,366</b>
EXPORT (MT)													
PLANT	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
TTMC I	0	0	0	0	29,412	1,496	0						30,908
CMC	202,255	82,474	115,611	44,162	70,813	103,437	101,308						720,060
TTMC II	0	15,963	0	12,339	65,726	53,146	58,689						205,863
MIV	0	0	0	0	0	0	0						0
Titan	75,452	78,745	46,073	32,367	66,285	61,899	41,651						402,472
Atlas	198,795	67,133	150,088	147,362	157,595	122,303	184,629						1,027,905
M5000	23,588	54,555	94,545	58,443	65,626	49,680	92,410						438,847
<b>TOTAL</b>	<b>500,090</b>	<b>298,870</b>	<b>406,317</b>	<b>294,673</b>	<b>455,457</b>	<b>391,961</b>	<b>478,687</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,826,055</b>

**TABLE 5E (I) - PRODUCTION OF LNG FROM ALNG IN 2017 (M<sup>3</sup>)**

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
<b>Train 1</b>	691,731	622,781	283,999	360,428	436,693	550,596	596,868						<b>3,543,096</b>
<b>Train 2</b>	527,151	477,522	534,858	415,042	320,765	414,556	488,607						<b>3,178,501</b>
<b>Train 3</b>	341,519	231,517	333,673	450,296	298,921	423,909	335,719						<b>2,415,554</b>
<b>Train 4</b>	677,068	644,703	797,091	759,309	598,337	516,802	881,595						<b>4,874,905</b>
<b>TOTAL</b>	<b>2,237,469</b>	<b>1,976,523</b>	<b>1,949,621</b>	<b>1,985,075</b>	<b>1,654,716</b>	<b>1,905,863</b>	<b>2,302,789</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14,012,056</b>

**TABLE 5E (II) - PRODUCTION OF LNG FROM ALNG IN 2017 (MMBTU)\***

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
<b>Train 1</b>	15,618,733	14,075,536	6,424,313	8,140,230	10,633,082	12,478,322	13,473,758						<b>80,843,974</b>
<b>Train 2</b>	11,764,692	10,647,451	11,941,721	9,273,574	7,795,135	9,262,093	10,871,945						<b>71,556,611</b>
<b>Train 3</b>	7,682,094	5,205,521	7,502,204	10,151,788	6,739,294	9,553,934	7,547,232						<b>54,382,066</b>
<b>Train 4</b>	15,176,818	14,457,658	17,877,157	17,037,148	14,264,952	11,583,497	19,861,013						<b>110,258,243</b>
<b>TOTAL</b>	<b>50,242,337</b>	<b>44,386,166</b>	<b>43,745,395</b>	<b>44,602,740</b>	<b>39,432,462</b>	<b>42,877,846</b>	<b>51,753,948</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>317,040,894</b>

\* Note : M<sup>3</sup> converted to MMBTU ; conversion factors vary by train & by month.

**TABLE 5F(I) - LNG SALES & DELIVERIES FROM ALNG IN 2017 (MMBTU)**

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Train 1	15,939,571	11,376,364	10,383,474	8,688,727	10,272,395	12,057,971	11,467,260						80,185,762
Train 2	9,951,686	5,932,516	14,178,918	9,079,845	15,331,785	6,842,699	13,921,160						75,238,609
Train 3	7,523,302	5,744,558	3,009,920	10,998,695	1,203,497	13,656,603	14,142,961						56,279,536
Train 4	18,609,806	18,599,422	18,495,508	9,514,961	11,838,045	17,915,258	9,529,915						104,502,915
<b>TOTAL</b>	<b>52,024,365</b>	<b>41,652,860</b>	<b>46,067,820</b>	<b>38,282,228</b>	<b>38,645,722</b>	<b>50,472,531</b>	<b>49,061,296</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>316,206,822</b>

**TABLE 5F(II) - LNG SALES & DELIVERIES FROM ALNG IN 2017 (M<sup>3</sup>)\*\***

	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Train 1	705,940	503,354	459,021	384,714	421,880	532,048	507,983						3,514,941
Train 2	445,914	266,064	635,060	406,372	630,894	306,268	625,645						3,316,216
Train 3	334,460	255,491	133,871	487,862	53,381	605,945	629,113						2,500,123
Train 4	830,220	829,395	824,661	424,061	496,541	799,296	423,016						4,627,191
<b>TOTAL</b>	<b>2,316,534</b>	<b>1,854,304</b>	<b>2,052,614</b>	<b>1,703,009</b>	<b>1,602,696</b>	<b>2,243,557</b>	<b>2,185,757</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13,958,470</b>

\*\* Notes : MMBTU converted to M<sup>3</sup> ; conversion factors vary by train & by month. Figures in **RED/Italics** are preliminary.

**TABLE 5G - NGL SALES & DELIVERIES FROM ALNG IN 2017 (BBLs)**

NGL SALES AND DELIVERIES (BBLs)													
	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Jul-17	Aug-17	Sep-17	Oct-17	Nov-17	Dec-17	TOTAL
Train 1	160,699	145,800	63,851	82,434	119,933	140,958	163,196						876,871
Train 2	49,939	34,004	52,561	36,478	28,273	51,156	39,486						291,897
Train 3	69,244	44,420	66,454	105,301	69,139	107,357	75,018						536,933
Train 4	170,519	151,291	173,606	160,391	163,071	134,037	230,949						1,183,864
<b>TOTAL</b>	<b>450,401</b>	<b>375,515</b>	<b>356,472</b>	<b>384,604</b>	<b>380,416</b>	<b>433,508</b>	<b>508,649</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,889,565</b>

NOTE: Local NGL sales from ALNG are to mainly PPGPL. Local NGL deliveries are to Petrotrin. Sold & delivered NGL volumes have been included in both PPGPL's & Petrotrin's production data.