James B. Jacoby

DELMARVA POWER & LIGHT COMPANY

TESTIMONY OF JAMES B. JACOBY

BEFORE THE DELAWARE PUBLIC SERVICE COMMISSION

CONCERNING THE NOVEMBER 2013 THROUGH OCTOBER 2014

GAS COST RATE

PSC DOCKET NO. 13-_____F

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1. Q: <u>Please state your name, occupation, and business address.</u>

A: My name is James B. Jacoby, Manager Gas Supply, for Delmarva Power & Light Company (Delmarva or the Company). My office is located at 630 Martin Luther King Jr. Blvd, Wilmington, Delaware 19801.

2. Q: <u>Please briefly summarize your educational and professional background.</u>

A: I hold a Bachelor of Science Degree in Mining Engineering from The Pennsylvania State University and I am a licensed Professional Engineer in the Commonwealth of Pennsylvania.

I have been employed by PHI, the parent of Delmarva Power and Light Company (Delmarva) and its affiliates since July of 1990 serving in operations, environmental, and risk functions. Prior to this I was employed for seven years as an engineer in the mining and environmental industry.

In my current role, I am responsible for developing and managing a reliable, cost-effective gas supply portfolio for Delmarva GCR customers.

1 **3. Q: <u>Have you previously testified before the Delaware Public Service Commission?</u>**

2 **A:** Yes. I have provided testimony before the Delaware Public Service

3 Commission (Commission) in the Annual Gas Cost Rate Case for 2011 – 2012,

4 Docket No. 11-381F; the Annual Gas Cost Rate Case for 2012-2013, Docket No. 12-

5 491F and the 2011 QFCP-RC proceedings, Docket No. 11-362.

6 **4. Q: <u>What is the purpose of your testimony in this proceeding?</u>**

7 **A:** I am testifying on behalf of Delmarva supporting the Gas Cost Rate (GCR)

8 proposed to be effective from November 1, 2013 through October 31, 2014. My

9 testimony presents the development of the total estimated gas supply costs for the

10 period. The estimate includes the following cost elements: 1) gas commodity; 2)

11 interstate pipeline transportation demand; 3) storage demand and capacity; 4) storage

12 withdrawal/injection; 5) variable transportation commodity; 6) fuel; and 7) an estimate

13 of capacity release and off-system sales revenue credits. My direct testimony will also

14 discuss Delmarva's natural gas hedge plan. My testimony was prepared by me or

15 under my direct supervision and control. The source documents for my testimony are

16 Company records. I also rely on my on my personal knowledge and experience.

17 **5. Q: <u>Please outline Delmarva's firm interstate pipeline and storage capacity and</u>**

18 **<u>supplemental supply portfolio available for this upcoming GCR period.</u>**

19 **A:** Schedule JBJ-1, *Portfolio of Firm Transportation & Storage Services,*

20 summarizes the firm transportation and firm storage services presently under contract

21 that have primary delivery points to Delmarva's interstate pipeline interconnections.

22 Based upon these upstream contracts and the planned-for design day vaporization of

23 25,000 MCF from Delmarva's LNG facility, Delmarva will begin this period with

185,085 MCF of peak or design day supply deliverability available to meet firm sales customer requirements.

The Transco PS3 contract 1005012 on Schedule JBJ-1 (Line 4) with daily deliverability of 1,600 MCF has not been renewed and will terminate on May 31, 2014. Column 5 of Schedule JBJ-1 shows the revised design day supply deliverability of 183,485 MCF available to meet firm sales customer requirements after May 31, 2014.

As discussed with Staff and DPA during the First Quarter 2013 Hedge Call in May 2013, the Columbia Contracts FTS 49832 & 49833 (Lines 6 & 7 Schedule JBJ-1) were each extended to 10/31/2018. Delmarva negotiated a more desirable delivery point (TCO Leach instead of Broad Run) in each contract, which gives Delmarva a more liquid supply source and improves the likelihood of executing capacity release transactions. Retention of these contracts also helps maintain the Firm Deliverability versus Design Day margin.

6. Q: <u>What are the major differences between this year's projected transportation and storage demand costs versus those contained in last year's annual GCR filing?</u>

A: Annual projected fixed costs related to Delmarva's transportation and storage services are summarized in Schedule JBJ-2. This Schedule compares the projected 2013-2014 costs (Column 3, Schedule JBJ-2) with the estimates included in last year's GCR application (Column 4, Schedule JBJ-2). Overall, compared to last year's application, fixed costs are projected to increase by $1,043,265, or 3.7%. The variance can be explained by increased Pipeline Capacity & Supply costs totaling

$1,242,760 which were offset somewhat by decreased Storage and Seasonal Services costs totaling $199,836.

The increase in Pipeline Capacity & Supply charges was due primarily to the Transco proposed rate increase for FT contract 1003684 (Line 1, Schedule JBJ-2). That increase was partially offset by the Transco Sentinel Meter Upgrade (Line 10, Schedule JBJ-2) and the Columbia FTS contract. The Transco rate changes are part of the current base rate case explained further in Question 7 below.

The decrease in Storage and Seasonal Services costs was attributable to lower Columbia Firm Storage Service (FSS) contract costs (Line 15, Schedule JBJ-2); lower Columbia SST costs (Line 16, Schedule JBJ-2), and were partially offset by higher Transco GSS costs (Line 14, Schedule JBJ-2).

7. Q: <u>Has Delmarva included any forecast of interstate pipeline bill credits or refunds in this year's GCR Application?</u>

A: No. Delmarva is awaiting the resolution of the most recent Transco Rate Case, filed August 31, 2012 (FERC Docket No. RP12-993). On March 1, 2013 Transco put new rates into effect, subject to refund upon settlement of the case. Settlement negotiations are ongoing and are expected to be finalized in the 3rd quarter of 2013. Final rates and refunds are subject to FERC review and approval and are not expected until the 2nd Quarter of 2014. Delmarva has participated in the case as a member of the Transco Cost of Service Customer Group (TCG) comprised of nineteen (19) utility companies and municipalities working to ensure a reasonable rate outcome.

1 **8. Q: <u>Please describe the development of the system's gas requirements forecast.</u>**

2 **A:** Firm send out is based upon (a) a monthly forecast of firm billed sales
3 provided by Delmarva Witness Brielmaier; (b) Company Use; (c) a 2.8% factor for
4 lost and unaccounted-for-gas; and (d) cycle billing effect. In this Application, non-
5 firm send out is assumed to be zero based upon Delmarva's recent experience with
6 very few sales under its Flexibly Priced City Gate Sales Service (FPS). Schedule JBJ-
7 3, Page 1 of 6, presents the firm sales, Company Use, lost and unaccounted-for-gas
8 and cycle billing estimates on Lines 2, 3 and 4.

9 **9. Q: <u>How are the projected demand, supply and price forecasts integrated?</u>**

10 **A:** For each month of the forecast period, sources and disposition of supply are
11 matched, taking into consideration customer demand, storage inventories, contractual
12 limitations and economics. The gas procurement process takes into account reliability
13 of supply, operational considerations, and contract obligations then is structured to
14 acquire gas supplies at the best possible cost. Schedule JBJ-3 summarizes Delmarva's
15 projected gas demand, supply and supply prices for the forecast period, November
16 2013 through October 2014.

17 **10. Q: <u>What source did Delmarva select for development of its price forecast for spot</u>**
18 **<u>purchases?</u>**

19 **A:** Delmarva used the NYMEX gas futures closing prices on August 8, 2013, as
20 its spot (wholesale) natural gas price (See Table 1 below). Delmarva believes that the
21 NYMEX natural gas futures closing prices on August 8, 2013 were reasonable for use
22 as the wholesale natural gas price forecast and that using a different methodology was

not likely to provide a more accurate GCR forecast. This methodology is consistent with the Commission Order No. 6956, dated July 11, 2006.

Table 1. NYMEX Futures Closing Prices (In MCF)

Item	Month	NYMEX 8/8/2013
1	November 2013	$3.5625
2	December 2013	$3.7508
3	January 2014	$3.8471
4	February 2014	$3.8502
5	March 2014	$3.8160
6	April 2014	$3.7612
7	May 2014	$3.7860
8	June 2014	$3.8202
9	July 2014	$3.8543
10	August 2014	$3.8709
11	September 2014	$3.8730
12	October 2014	$3.8947

11. Q: <u>What are the major components of Delmarva's projected natural gas commodity costs for the November 2013 to October 2014 determination period contained in Delmarva's annual GCR application?</u>

A: Delmarva's estimated natural gas commodity costs for the 2013-2014 GCR determination period totals $46,052,062, and is based on three components summarized in Table 2 below: 1) natural gas expected to be withdrawn from storage; 2) gas that is currently hedged for the 2013-2014 determination period; and 3) "spot" gas, or gas purchased that is not hedged at the time the cost forecast is prepared. Please note that during this GCR period, Delmarva plans to hedge a portion of the gas deemed as "spot" gas according to the Commission approved non-discretionary hedging program.

Table 2. Summary of 2013-2014 Projected Commodity Costs

Item	Source of Supply	Percent	Supply (MCF)	$ / MCF	Commodity Cost
1	Storage Withdrawals	24.3%	3,084,729	$3.84	$11,848,309
2	Hedged Purchases	21.3%	2,705,314	$4.22	$11,425,039
3	Spot Purchases	54.4%	6,920,864	$3.81	$26,337,508
4	Total Purchases	100.0%	12,710,907	$3.90	$49,610,856
5	Fuel & Variable Costs			($0.28)	($3,558,794)
6	Total Commodity Costs				$46,052,062

12. Q: **How does the summary of projected 2013-2014 commodity costs shown in Table 2 above compare to the 2012-2013 forecast?**

A: Overall, compared to last year, 2013-2014 wholesale gas commodity costs are projected to be $8,588,466 lower (See Table 3 below).

Table 2. Summary of 2012-2013 Projected Commodity Costs

Item	Source of Supply	Percent	Supply (MCF)	$ / MCF	Commodity Cost
1	Storage Withdrawals	28.6%	3,785,084	$3.37	$12,772,709
2	Hedged Purchases	18.1%	2,388,889	$6.48	$15,482,765
3	Spot Purchases	53.3%	7,055,970	$3.44	$24,275,177
4	Total Purchases	100.0%	13,229,943	$3.97	$52,530,651
5	Fuel & Variable Costs			$0.16	$2,109,877
6	Total Commodity Costs				$54,640,528

Table 3. Change in Projected Commodity Costs - 2013/14 GCR vs. 2012/13 GCR

Item	Source of Supply	Percent	Supply (MCF)	$ / MCF	Commodity Cost
1	Storage Withdrawals	-4.3%	(700,355)	$0.47	($924,400)
2	Hedged Purchases	3.2%	316,425	($2.26)	($4,057,726)
3	Spot Purchases	1.1%	(135,106)	$0.37	$2,062,331
4	Total Purchases		(519,036)	($0.07)	($2,919,795)
5	Fuel & Variable Costs			($0.44)	($5,668,671)
6	Total Commodity Costs				($8,588,466)

Storage withdrawal costs are expected to be $924,400 lower than the storage withdrawal costs forecast in last year's GCR filing. Lower natural gas market prices during injection months (April through October) are the main reason for the variance.

Hedged Purchase costs in this year's forecast are $4,057,726 lower mainly due to the expiration of legacy hedges (hedges entered into prior to the new hedging program). Schedule JBJ-4 shows the percentage hedged for the upcoming GCR period, the hedge costs and the market value of the hedges based on August 8, 2013 NYMEX pricing. This Schedule, along with other confidential schedules, is reviewed with the Commission and the Division of the Public Advocate (DPA) on a quarterly basis. Please note that the volumes on Schedule JBJ-4 are stated per MMbtu. Line 15 has been added to this Schedule so the hedge volumes and cost per unit can reconcile to the Hedge Purchases in MCF disclosed on **Table 2. Summary of 2013-2014 Projected Commodity Costs**, above.

The increase in Spot Purchases of natural gas totaling $2,062,331 are expected to occur at an average price of $3.81 per MCF, which is higher than the $3.44 per MCF forecast in last year's GCR filing. This is mainly due to higher natural gas market prices when compared to the prior year.

The decrease in Fuel & Variable Costs totaling $5,668,671 is mainly due to decreased basis charges.

13. Q: <u>Please explain how the estimated cost for storage withdrawals is determined?</u>

Projected storage withdrawal costs are estimated by taking the actual inventory cost as of August 8, 2013, and projecting the volume and total cost of gas expected to be injected between August 9, 2013 and October 31, 2013. The total cost of injected gas into Delmarva's storage facilities includes all transportation commodity and storage charges in addition to the underlying market cost of the natural gas at the time of injection.

14. Q: <u>Please outline the guidelines of Delmarva's Natural Gas Hedging Program</u>.

A. Commission Order 7658, dated October 6, 2009, requires Delmarva to hedge, on a non-discretionary basis, fifty percent (50%) of the projected monthly gas requirements. The time horizon of the Hedging Program is 12-months. Therefore, hedges are to be entered into on a pro-rata basis (1/12th each month) over the 12-months preceding the month in which the physical gas is delivered to customers. As noted during the quarterly hedge calls, Delmarva defines projected monthly gas requirements as projected city gate requirements plus storage injections minus storage withdrawals. Delmarva created a method to track the quantity of hedges by month that it needs to execute in order to maintain compliance with the new guidelines to hedge 1/12 each month on a pro-rata basis beginning 12-months in advance. This tracking mechanism is shared and discussed with Commission Staff and the DPA on a quarterly basis.

15. Q: <u>Have there been any changes to Delmarva's Natural Gas Hedging Program since the guidelines were established in PSC Order 7658, dated October 6, 2009?</u>

A. No.

16. Q: <u>What are the objectives of Delmarva's Natural Gas Hedging Program and Natural Gas Planning and Procurement Strategy?</u>

A: The objectives of the Natural Gas Hedging Program are to reduce gas commodity price volatility while limiting the firm sales customers' exposure to increases in the market price of natural gas.

The overall objective of Delmarva's Gas Supply Planning and Procurement Strategy is to provide reliable natural gas supply and service to core residential, commercial and industrial customers at the best possible cost. To ensure reliability, Delmarva secures by long-term contract the needed pipeline and storage services to serve its core customers' firm requirements.

17. Q: <u>What has Delmarva done to lower fixed pipeline and storage costs?</u>

A. Delmarva employs a number of methods that help it offset the fixed cost of pipeline transportation and storage capacity, the most significant being off-system sales and capacity release transactions. Delmarva enters into these short term transactions to sell pipeline or storage capacity not needed to serve its firm sales customers. Typically, the term of the off-system sales transactions are either monthly or daily. Capacity release arrangements are most commonly done for a seasonal term (e.g., Nov. – Mar. or Apr. – Oct.) or for a term of one year. In entering into these transactions, Delmarva seeks to obtain at least market value for such pipeline transportation and storage capacity.

For the forecasted GCR period as shown on line 210 of Schedule JBJ-3, Delmarva estimates it will achieve $3,557,607 in gross margins from off-system sales and capacity release transactions. Delmarva expects to continue to capitalize on spread differentials between supply sources and the market area to earn off-system sales margins, and expects to achieve value from releasing pipeline capacity on a monthly and seasonal basis.

Delmarva continually evaluates its transportation and storage portfolios in an effort to reduce costs while maintaining reliability, and also monitors and intervenes, as necessary, in pipeline rate cases in an effort to mitigate the financial impact of such rate cases. The current Transco rate case, referred to in Jacoby Question 7, is an example of such intervention.

18. Q: <u>How does Delmarva's firm supply deliverability compare with forecasted design-day customer demand?</u>

A: Delmarva's firm supply deliverability for the 2013-2014 GCR period is 185,085 MCF (Line 23, Column 2, Schedule JBJ-1), which is 7.6% higher than the projected design-day requirement of 172,077 MCF shown on Schedule JBJ-5. Schedule JBJ-5, Firm Deliverability Versus Design Day, depicts how Delmarva expects its design-day reserve to change over the next three years based on its most recent strategic planning.

Delmarva canceled Transco FT contract 1005012 (Line 4 Schedule JBJ-1) with daily deliverability of 1,600 MCF, which directly affects Delmarva's firm deliverability to the city gate. This reduction is also noted on Schedule JBJ-5.

Delmarva had two Columbia contracts (Lines 6 & 7, Schedule JBJ-1) which were set to expire October 31, 2013 and October 31, 2014, respectively. Delmarva

extended both contracts to March 31, 2018. In addition, Columbia agreed to enhance the receipt point on both contracts by making them TCO Leach, a more liquid point than the previous contractual receipt point of Broad Run. These volumes associated with these extended contracts are included in the totals shown on Schedule JBJ-5.

19. Q: <u>Does Delmarva regularly evaluate its pipeline and storage assets for possible reductions, additions or changes in composition?</u>

A: Delmarva continually reviews its portfolio of pipeline and storage assets for possible changes in its composition. Schedule JBJ-6 is a listing of Delmarva's pipeline and storage assets along with expiration dates, evergreen provisions "stay period" and the first date Delmarva can make a decision to renew or terminate assets in timeline format. This Schedule has been used in addition to other data to evaluate its pipeline and storage assets.

20. Q: <u>Has Delmarva entered into any new Asset Management Agreements for any part of its portfolio?</u>

A: No.

21. Q: <u>Does this conclude your direct testimony at this time?</u>

A: Yes.

DELMARVA POWER & LIGHT COMPANY
PORTFOLIO OF FIRM TRANSPORTATION AND STORAGE SERVICES
WINTER 2013-14 GCR PERIOD

Schedule JBJ-1

	(1)	(2)	(3)	(4)	(5)
		Contract Number	Daily (Mcf)	Annual (Mcf)	Contract Expiration	Adjusted Daily (Mcf)
1	Firm Transportation					
2	Transco Sentinel FT	9076492	24,155	8,816,575	5/20/2029	24,155
3	Transco FT [2]	1003684	54,800	20,002,000	Month	54,800
4	Transco PS3 [1]	1005012	1,600	584,000	5/31/2014	0
5	Transco FT [2]	1011993	4,831	1,763,315	Month	4,831
6	Columbia FTS	49832	3,342	1,219,830	10/31/2018	3,342
7	Columbia FTS	49833	3,343	1,220,193	10/31/2018	3,343
8	Columbia FTS	80724	19,324	7,053,260	10/31/2019	19,324
9	TETCO FT-1	800475	9,662	3,526,630	10/31/2018	9,662
10			121,057	44,185,803		119,457
11						
12	Firm Storage					
13	Transco GSS	1000854	28,420	2,056,961	3/31/2023	28,420
14	Columbia FSS	80722	9,768	970,216	3/31/2020	9,768
15	Transco LNG	9010117	840	6,970	3/31/2020	840
16			39,028	3,034,148		39,028
17						
18	Subtotal Firm Capacity Available		160,085	47,219,951		158,485
19						
20	Supplemental Supply					
21	Delmarva LNG		25,000	250,000		25,000
22						
23	Total Firm Peak Day Planned Capacity		185,085	47,469,951		183,485

Notes:

[1] Termination notice sent on May 31, 2011 and officially expires May 31, 2014

[2] Contract has no date of termination and is an evergreen contract at DPL's Option

DELMARVA POWER & LIGHT COMPANY
FIRM TRANSPORTATION & STORAGE CONTRACT PORTFOLIO
SUMMARY OF PROJECTED FIXED GAS COSTS
2013-14 GCR PERIOD

Schedule JBJ-2

	(1)	(2)	(3)	(4)	(5)
	PIPELINE CAPACITY & SUPPLY	CITYGATE MDQ	2013-2014 PROJECTED COSTS	2012-2013 PROJECTED COSTS	VARIANCE (3) - (4)
1	TRANSCO FT	54,800	$11,132,445	$9,367,336	$1,765,109
2	COLUMBIA FTS	26,009	$1,850,304	$1,963,044	($112,740)
3	TRANSCO SENTINEL FT	24,155	$5,024,320	$5,027,605	($3,285)
4	TETCO, TRUNK & PEPL	9,662	$1,804,652	$1,872,093	($67,441)
5	TRANSCO LEIDY-LINE FT	4,831	$268,568	$217,905	$50,663
6	GULF FTS-1 & FTS-2		$1,161,586	$1,161,586	$0
7	EASTERN SHORE FT365		$3,906,660	$3,906,660	$0
8	EASTERN SHORE T - 1		$66,432	$66,432	$0
9	EASTERN SHORE E-3 SURCHARGE		$288,053	$288,053	$0
10	TRANSCO SENTINEL METER UPGRADE		$502,700	$892,246	($389,546)
11	SUBTOTAL	119,457	$26,005,720	$24,762,960	$1,242,760
12					
13	STORAGE & SEASONAL SERVICES:				
14	TRANSCO GSS	28,420	$1,654,838	$1,489,870	$164,968
15	COLUMBIA FSS	9,768	$364,044	$540,376	($176,332)
16	COLUMBIA SST		$505,722	$711,410	($205,688)
17	TRANSCO PS - 3	1,600	$123,176	$160,034	($36,858)
18	TRANSCO ESS		$521,621	$498,968	$22,653
19	TRANSCO WSS		$246,632	$215,211	$31,421
20	SUBTOTAL	39,788	$3,416,033	$3,615,869	($199,836)
21					
22	SUPPLEMENTAL PEAKING SERVICES:				
23	TRANSCO LNG	840	$37,063	$36,722	$341
24	DELMARVA LNG	25,000	$0	$0	$0
25	SUBTOTAL	25,840	$37,063	$36,722	$341
26					
27	TOTAL	185,085	$29,458,816	$28,415,551	$1,043,265
28					3.7%

DELMARVA POWER [illegible] COMPANY
SUMMARY OF GAS DEMAND:SENDOUT (MCF)
November 2013 - October 2014
12 Months Estimated
Schedule JBJ-3

	DESCRIPTION	NOV 2013	DEC 2013	JAN 2014	FEB 2014	MAR 2014	APR 2014	MAY 2014	JUN 2014	JUL 2014	AUG 2014	SEP 2014	OCT 2014	Nov 13-Oct 14 GCR TOTAL
1	**DEMAND**													
2	FIRM BILLED SALES VOLUMES, MCF	874,532	1,622,332	2,249,825	2,355,493	1,988,749	1,252,601	624,993	331,274	242,832	213,069	244,951	364,976	12,365,627
3	CO. USE, MCF	769	957	1,300	1,157	1,152	1,249	769	585	411	458	453	550	9,810
4	Unaccounted For & Cycle Billing Adjustment	268,496	419,325	376,742	118,789	(127,686)	(333,000)	(296,304)	(137,581)	(37,423)	(8,918)	22,800	70,230	335,471
5	TOTAL FIRM SENDOUT REQUIRED, MCF	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,908
6														
7	FLEXIBLY PRICED GAS SUPPLY SERVICE	0	0	0	0	0	0	0	0	0	0	0	0	0
8														
9	TOTAL NON-FIRM SENDOUT REQUIRED	0	0	0	0	0	0	0	0	0	0	0	0	0
10														
11	TOTAL SENDOUT REQUIRED, MCF:	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,907
	NET SUPPLY VS DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	

DELMARVA POWER & LIGHT COMPANY
SUMMARY OF GAS SUPPLY (MCF)
November 2013 - October 2014
12 Months Estimated
Schedule JBJ-3

	DESCRIPTION	NOV 2013	DEC 2013	JAN 2014	FEB 2014	MAR 2014	APR 2014	MAY 2014	JUN 2014	JUL 2014	AUG 2014	SEP 2014	OCT 2014	Nov 13-Oct 14 GCR TOTAL
12	**FIRM SUPPLY**													
13	Transco FT Base	0	0	0	0	0	0	0	0	0	0	0	0	0
14	Transco FT & PS-3 (WSS W/D)	101,449	239,614	239,614	216,425	54,607	0	0	0	0	0	0	0	851,709
15	Transco FT & PS-3 (ESS W/D)	0	43,478	43,478	43,478	511	0	0	0	0	0	0	0	130,946
16	Transco Spot / Base Load	600,000	620,000	1,017,085	1,050,586	829,307	788,173	620,000	600,000	620,000	620,000	600,000	620,000	8,585,151
17	TOTAL TRANSCO FT SUPPLY(LESS WSS/ESS)	600,000	620,000	1,017,085	1,050,586	829,307	788,173	620,000	600,000	620,000	620,000	600,000	620,000	8,585,151
18														
19	Columbia Base	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Columbia Swing	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Columbia Spot	92,415	265,918	402,287	363,356	402,287	389,310	269,734	108,984	3,570	1,991	166,164	206,324	2,672,340
22	TOTAL COLUMBIA FTS-1 SUPPLY	92,415	265,918	402,287	363,356	402,287	389,310	269,734	108,984	3,570	1,991	166,164	206,324	2,672,340
23														
24	TEXAS EASTERN ITP SUPPLY	289,860	299,522	299,522	270,536	299,522	0	0	0	0	0	0	0	1,458,962
25	OTHER FIRM SUPPLY	0	0	0	0	0	0	0	0	0	0	0	0	0
26	TOTAL FIRM SUPPLY (MCF)	982,275	1,185,440	1,718,894	1,684,478	1,531,116	1,177,483	889,734	708,984	623,570	621,991	766,164	826,324	12,716,453
27														
28	**INTERRUPTIBLE SUPPLY**													
29	OTHER NON-FIRM SUPPLY	0	0	0	0	0	0	0	0	0	0	0	0	0
30														
31	**STORAGE**													
32	GSS GROSS INJECTION TO STORAGE(INCL FUEL)	0	0	0	0	0	(93,383)	(269,565)	(260,870)	(239,614)	(240,000)	(260,870)	(194,565)	(1,558,866)
33	WSS GROSS INJECTION TO STORAGE(INCL FUEL)	0	0	0	0	0	(124,199)	(128,339)	(124,199)	(122,228)	(122,228)	(124,199)	(122,228)	(867,619)
34	ESS GROSS INJECTION TO STORAGE(INCL FUEL)	0	0	0	0	0	0	(34,075)	(34,075)	0	0	(34,075)	(34,075)	(136,302)
35	OPEN	0	0	0	0	0	0	0	0	0	0	0	0	0
36	LNG GROSS INJECTION TO STORAGE(INCL FUEL)	0	0	0	0	0	(573)	(1,509)	(2,011)	(1,006)	(251)	0	0	(5,350)
37	OPEN	0	0	0	0	0	0	0	0	0	0	0	0	0
38	FSS: GROSS INJECTION TO STORAGE (INCL FUEL)	0	0	0	0	0	(43,478)	(89,855)	(57,971)	(59,903)	(59,903)	(50,000)	(14,700)	(375,810)
39	IMBALANCES	0	0	0	0	0	0	0	0	0	0	0	0	0
40	TOTAL INJ EXT STORAGES	0	0	0	0	0	(261,633)	(523,343)	(479,126)	(422,750)	(422,382)	(469,144)	(365,568)	(2,943,947)
41														
42	LNG INJECTED TO STORAGE	0	0	0	0	0	0	(41,932)	(40,580)	0	0	(33,816)	(30,000)	(146,329)
43	TOTAL STORAGE INJECTED	0	0	0	0	0	(261,633)	(565,276)	(519,706)	(422,750)	(422,382)	(502,960)	(395,568)	(3,090,275)
44														
45	GSS WITHDRAWN; REC'D AT CITYGATE	28,986	449,275	449,275	405,797	240,242	0	0	0	0	0	0	0	1,573,575
46	WSS WITHDRAWN; REC'D AT CITYGATE	101,449	239,614	239,614	216,425	54,607	0	0	0	0	0	0	0	851,709
47	ESS WITHDRAWN; REC'D AT CITYGATE	0	43,478	43,478	43,478	511	0	0	0	0	0	0	0	130,946
48	OPEN	0	0	0	0	0	0	0	0	0	0	0	0	0
49	LNG WITHDRAWN; REC'D AT CITYGATE	0	0	3,490	2,000	0	0	0	0	0	0	0	0	5,490
50	OPEN	0	0	0	0	0	0	0	0	0	0	0	0	0
51	FSS WITHDRAWN; REC'D AT CITYGATE	26,087	119,807	119,807	89,275	30,739	0	0	0	0	0	0	0	385,714
52	DELMARVA LNG WITHDRAWN (INCLUDING BOILOFF	5,000	5,000	53,309	33,986	5,000	5,000	5,000	5,000	5,000	5,000	5,000	5,000	137,295
53	TOTAL WITHDRAWN STORAGES	161,522	857,174	908,973	790,961	331,099	5,000	5,000	5,000	5,000	5,000	5,000	5,000	3,084,729
54														
55	TOTAL NET STORAGE, MCF	161,522	857,174	908,973	790,961	331,099	(256,633)	(560,276)	(514,706)	(417,750)	(417,382)	(497,960)	(390,568)	(5,546)
56	TOTAL SUPPLY AVAILABLE FOR SENDOUT	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,907
57	PRIOR PERIOD ADJUSTMENTS	0	0	0	0	0	0	0	0	0	0	0	0	0
58	NET SUPPLY AVAILABLE FOR SENDOUT	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,907

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59	**TRANSPORTATION COMMODITY CHARGES,$**													
60	Transco Base	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
61	Transco FT spot	$1,813,636	$1,990,880	$3,640,122	$3,820,316	$2,861,840	$2,668,855	$1,888,698	$1,968,265	$2,055,050	$2,065,317	$1,879,936	$1,956,076	$28,608,992
62	SUBTOTAL TRANSCO FT: COMMODITY	$1,813,636	$1,990,880	$3,640,122	$3,820,316	$2,861,840	$2,668,855	$1,888,698	$1,968,265	$2,055,050	$2,065,317	$1,879,936	$1,956,076	$28,608,992
63														
64	Columbia Base	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
65	Columbia Swing	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
66	Columbia Spot	$339,470	$1,024,813	$1,584,633	$1,432,441	$1,571,794	$1,499,141	$1,040,810	$426,061	$14,083	$7,888	$658,693	$821,895	$10,421,723
67	SUBTOTAL COLUMBIA FTS: COMMODITY	$339,470	$1,024,813	$1,584,633	$1,432,441	$1,571,794	$1,499,141	$1,040,810	$426,061	$14,083	$7,888	$658,693	$821,895	$10,421,723
68														
69	TEXAS EASTERN ITP SUPPLY	$1,123,492	$1,219,467	$1,249,373	$1,129,337	$1,239,726	$0	$0	$0	$0	$0	$0	$0	$5,961,394
70														
71	FT-365: ESNG COMMODITY CHARGE	$1,374	$6,490	$4,451	$2,379	$1,225	$0	$0	$0	$0	$0	$0	$0	$15,919
72	T-1: ESNG COMMODITY CHARGE	$205	$212	$212	$191	$212	$118	$38	$0	$0	$0	$37	$56	$1,281
73	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
74	TRANSCO LEIDY LINE FT TRANSPORT	$6,154	$6,359	$6,359	$5,744	$6,359	$6,154	$6,359	$6,154	$6,359	$6,359	$6,154	$6,359	$74,873
75	WSS: TRANSPORT CHARGE:	$4,401	$10,395	$10,395	$9,389	$2,369	$1,439	$1,487	$1,439	$1,416	$1,416	$1,439	$1,416	$47,001
76	ESS: TRANSPORT CHARGE:	$0	$1,880	$1,880	$1,880	$22	$0	$395	$395	$0	$0	$395	$395	$7,242
77	COLUMBIA SST TRANSPORT	$632	$2,902	$2,902	$2,162	$744	$0	$0	$0	$0	$0	$0	$0	$9,342
78	HEDGE SETTLEMENT	$216,610	$200,620	$231,955	$188,550	$180,325	$90,968	$34,058	$10,140	$2,820	($1,125)	$0	$0	$1,154,920
79	TOTAL COMMODITY FIRM TRANSPORT $	$3,505,974	$4,464,018	$6,732,282	$6,592,389	$5,864,617	$4,266,674	$2,971,844	$2,412,454	$2,079,728	$2,079,856	$2,546,654	$2,786,197	$46,302,687
80														
81	TRANSCO IT: DELIVERED COMMODITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
82	COLUMBIA ITS: DELIVERED COMMODITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
83	TEXAS EASTERN IT-1 COMMODITY	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
84	OTHER NON-FIRM PURCHASES	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
85	TOTAL COMMODITY NONFIRM TRANSPORT $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
86														
87	TOTAL TRANSPORTATION COMMODITY $ #	$3,505,974	$4,464,018	$6,732,282	$6,592,389	$5,864,617	$4,266,674	$2,971,844	$2,412,454	$2,079,728	$2,079,856	$2,546,654	$2,786,197	$46,302,687
88														
89	COMMODITY WACCOG, $/MCF	$3.57	$3.77	$3.92	$3.91	$3.83	$3.62	$3.34	$3.40	$3.34	$3.34	$3.32	$3.37	$3.64

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90	**STORAGE COMMODITY CHARGES, $**													
91	GSS: CREDIT COMMODITY INJECTED	$0	$0	$0	$0	$0	($365,545)	($1,061,427)	($1,036,356)	($960,335)	($965,974)	($1,049,223)	($786,897)	($6,225,757)
92	WSS: CREDIT COMMDTY INJ (+ FUEL)	$0	$0	$0	$0	$0	($486,130)	($505,294)	($493,360)	($489,824)	($491,907)	($499,485)	($494,290)	($3,460,290)
93	ESS: CREDIT COMMDTY INJ (+ FUEL)	$0	$0	$0	$0	$0	$0	($134,254)	($135,447)	$0	$0	($137,090)	($137,853)	($544,644)
94	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
95	LNG: CREDIT COMMODITY INJECTED	$0	$0	$0	$0	$0	($2,244)	($5,940)	($7,990)	($4,031)	($1,012)	$0	$0	($21,217)
96	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
97	FSS: CREDIT INJ (+FUEL)	$0	$0	$0	$0	$0	($168,112)	($348,142)	($227,549)	($237,254)	($238,282)	($198,997)	($58,790)	($1,477,126)
98	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
99	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
100	TOTAL CREDIT STORAGE GAS INJ-808.2	$0	$0	$0	$0	$0	($1,022,031)	($2,055,057)	($1,900,702)	($1,691,444)	($1,697,175)	($1,884,795)	($1,477,830)	($11,729,034)
101														
102	LNG: CREDIT INJECTED-808.201	$0	$0	$0	$0	$0	$0	($165,111)	($161,211)	$0	$0	($136,010)	($121,332)	($583,664)
103	LNG: PRIOR PERIOD ADJUSTMENT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
104	TOTAL CREDIT LNG GAS INJ-808.201	$0	$0	$0	$0	$0	$0	($165,111)	($161,211)	$0	$0	($136,010)	($121,332)	($583,664)
105														
106	GSS: DEBIT COMMODITY WITHDRAWN	$114,590	$1,776,146	$1,776,146	$1,604,261	$949,763	$0	$0	$0	$0	$0	$0	$0	$6,220,906
107	WSS: DEBIT COMMODITY (W/D +FUEL)	$353,942	$835,978	$835,978	$755,077	$190,518	$0	$0	$0	$0	$0	$0	$0	$2,971,493
108	ESS: DEBIT COMMODITY (W/D +FUEL)	$0	$182,370	$176,297	$176,297	$2,124	$0	$0	$0	$0	$0	$0	$0	$537,088
109	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
110	LNG: DEBIT COMMODITY WITHDRAWN	$0	$0	$20,279	$11,622	$0	$0	$0	$0	$0	$0	$0	$0	$31,901
111	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
112	FSS: DEBIT COMMODITY WITHDRAWN	$96,440	$442,910	$442,909	$330,037	$113,635	$0	$0	$0	$0	$0	$0	$0	$1,425,931
113	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
114	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
115	TOTAL DEBIT STORAGE GAS W/D-808.1	$564,972	$3,237,404	$3,251,609	$2,877,294	$1,256,040	$0	$0	$0	$0	$0	$0	$0	$11,187,319
116														
117	LNG: DEBIT WITHDRAWAL 808.101	$23,597	$23,597	$251,584	$168,283	$25,952	$25,952	$25,952	$24,094	$23,125	$23,125	$23,125	$22,604	$660,990
118	LNG: PRIOR PERIOD ADJUSTMENT	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
119	TOTAL DEBIT LNG GAS W/D-808.101	$23,597	$23,597	$251,584	$168,283	$25,952	$25,952	$25,952	$24,094	$23,125	$23,125	$23,125	$22,604	$660,990
120														
121	GSS: INJ & W/D CHARGES	$1,414	$21,920	$21,920	$19,799	$11,721	$5,239	$15,125	$14,637	$13,444	$13,466	$14,637	$10,917	$164,239
122	WSS: INJ & W/D CHARGES	$1,239	$2,926	$2,926	$2,643	$667	$1,517	$1,567	$1,517	$1,493	$1,493	$1,517	$1,493	$20,998
123	ESS: INJ & W/D CHARGES	$0	$1,557	$1,557	$1,557	$18	$0	$1,221	$1,221	$0	$0	$1,221	$1,221	$9,573
124	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
125	LNG: INJ & W/D CHARGES	$0	$0	$2,219	$1,272	$0	$365	$959	$1,279	$640	$160	$0	$0	$6,894
126	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
127	FSS: INJ & W/D CHARGES	$413	$1,897	$1,897	$1,414	$487	$688	$1,423	$918	$949	$949	$792	$233	$12,060
128	SUBTOTAL INJ & W/D CHARGES	$3,066	$28,300	$30,519	$26,685	$12,893	$7,809	$20,295	$19,572	$16,526	$16,068	$18,167	$13,864	$213,764
129														
130	TOTAL NET STORAGE $ #	$591,635	$3,289,301	$3,533,712	$3,072,262	$1,294,885	($988,270)	($2,173,921)	($2,018,247)	($1,651,793)	($1,657,982)	($1,979,513)	($1,562,694)	($250,625)

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131	DEMAND CHARGES													
132	TRANSCO CITYGATE SURCHARGE	$41,318	$42,695	$42,695	$38,563	$42,695	$41,318	$42,695	$41,318	$42,695	$42,695	$41,318	$42,695	$502,700
133	TRANSCO SENTINEL FT	$412,958	$426,723	$426,723	$385,427	$426,723	$412,958	$426,723	$412,958	$426,723	$426,723	$412,958	$426,723	$5,024,320
134	TRANSCO FT DEMAND STA 30	$164,778	$170,271	$170,271	$153,793	$170,271	$164,778	$170,271	$164,778	$170,271	$170,271	$164,778	$170,271	$2,004,802
135	TRANSCO FT DEMAND STA 45	$235,829	$243,690	$243,690	$220,107	$243,690	$235,829	$243,690	$235,829	$243,690	$243,690	$235,829	$243,690	$2,869,253
136	TRANSCO FT DEMAND STA 50	$168,507	$174,123	$174,123	$157,273	$174,123	$168,507	$174,123	$168,507	$174,123	$174,123	$168,507	$174,123	$2,050,162
137	TRANSCO FT DEMAND STA 62	$345,882	$357,411	$357,411	$322,823	$357,411	$345,882	$357,411	$345,882	$357,411	$357,411	$345,882	$357,411	$4,208,228
138	TRANSCO FT DEMAND WSS	$2,338	$2,416	$2,416	$2,182	$2,416	$2,338	$2,416	$2,338	$2,416	$2,416	$2,338	$2,416	$28,446
139	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
140	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
141	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
142	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
143	TRANSCO PS-3 DEMAND STA 30	$2,358	$2,437	$2,437	$2,201	$2,437	$2,358	$2,437	$0	$0	$0	$0	$0	$16,665
144	TRANSCO PS-3 DEMAND STA 45	$3,426	$3,540	$3,540	$3,198	$3,540	$3,426	$3,540	$0	$0	$0	$0	$0	$24,210
145	TRANSCO PS-3 DEMAND STA 50	$7,365	$7,610	$7,610	$6,874	$7,610	$7,365	$7,610	$0	$0	$0	$0	$0	$52,044
146	TRANSCO PS-3 DEMAND STA 62	$0	$10,422	$10,422	$9,413	$0	$0	$0	$0	$0	$0	$0	$0	$30,257
147	TRANSP DEMAND CHARGE TRANSCO LEIDY LINE F	$22,074	$22,810	$22,810	$20,602	$22,810	$22,074	$22,810	$22,074	$22,810	$22,810	$22,074	$22,810	$268,568
148	COLUMBIA FTS: DEMAND CHARGE	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$154,192	$1,850,304
149	COLUMBIA SST: DEMAND CHARGE (80722)	$56,191	$56,191	$56,191	$56,191	$56,191	$28,096	$28,096	$28,096	$28,096	$28,096	$28,096	$56,191	$505,722
150	COL GULF FTS-1: DEMAND CHARGE	$87,843	$87,843	$87,843	$87,843	$87,843	$84,349	$84,349	$84,349	$84,349	$84,349	$84,349	$84,349	$1,029,658
151	COL GULF FTS-2: DEMAND CHARGE	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$10,994	$131,928
152	TEXAS EASTERN ITP DEMAND	$149,742	$151,291	$151,291	$146,645	$151,291	$149,742	$151,291	$149,742	$151,291	$151,291	$149,742	$151,291	$1,804,652
153	FT-365: ESNG DEMAND CHARGE	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$325,555	$3,906,660
154	T-1: ESNG DEMAND CHARGE	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$5,536	$66,432
155	ESNG SURCHARGES	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$24,004	$288,053
156	REFUNDS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
157	REFUNDS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
158	SUBTOTAL FIRM DEMAND CHARGES	$2,220,891	$2,279,754	$2,279,754	$2,133,417	$2,269,332	$2,189,302	$2,237,743	$2,176,153	$2,224,156	$2,224,156	$2,176,153	$2,252,251	$26,663,064
159														
160	GSS: DEMAND CHARGE	$98,331	$101,609	$101,609	$91,776	$101,609	$98,331	$101,609	$98,331	$101,609	$101,609	$98,331	$101,609	$1,196,363
161	CAPACITY CHARGE	$37,683	$38,939	$38,939	$35,170	$38,939	$37,683	$38,939	$37,683	$38,939	$38,939	$37,683	$38,939	$458,475
162	WSS: DEMAND CHARGE	$8,945	$9,243	$9,243	$8,348	$9,243	$8,945	$9,243	$8,945	$9,243	$9,243	$8,945	$9,243	$108,829
163	CAPACITY CHARGE	$8,988	$9,288	$9,288	$8,389	$9,288	$8,988	$9,288	$8,988	$9,288	$9,288	$8,988	$9,288	$109,357
164	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
165	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
166	LNG: DEMAND CHARGE	$1,172	$1,211	$1,211	$1,094	$1,211	$1,172	$1,211	$1,172	$1,211	$1,211	$1,172	$1,211	$14,259
167	CAPACITY CHARGE	$1,874	$1,937	$1,937	$1,749	$1,937	$1,874	$1,937	$1,874	$1,937	$1,937	$1,874	$1,937	$22,804
168	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
169	OPEN	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
170	ESS: DEMAND & INJECTION CHARGE	$27,726	$28,650	$28,650	$25,877	$28,650	$27,726	$28,650	$27,726	$28,650	$28,650	$27,726	$28,650	$337,331
171	CAPACITY CHARGE	$15,147	$15,652	$15,652	$14,138	$15,652	$15,147	$15,652	$15,147	$15,652	$15,652	$15,147	$15,652	$184,290
172	FSS: DEMAND CHARGE	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$15,256	$183,072
173	CAPACITY CHARGE	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$15,081	$180,972
174	SUBTOTAL STORAGE DEMAND CHARGES	$230,203	$236,866	$236,866	$216,878	$236,866	$230,203	$236,866	$230,203	$236,866	$236,866	$230,203	$236,866	$2,795,752
175														
176	TOTAL DEMAND CHARGES $	$2,451,094	$2,516,620	$2,516,620	$2,350,295	$2,506,198	$2,419,505	$2,474,609	$2,406,356	$2,461,022	$2,461,022	$2,406,356	$2,489,117	$29,458,816

DELMARVA POWER & LIGHT COMPANY
OVERALL SUMMARY OF GAS COSTS
November 2013 - October 2014
12 Months Estimated
Schedule JBJ-3

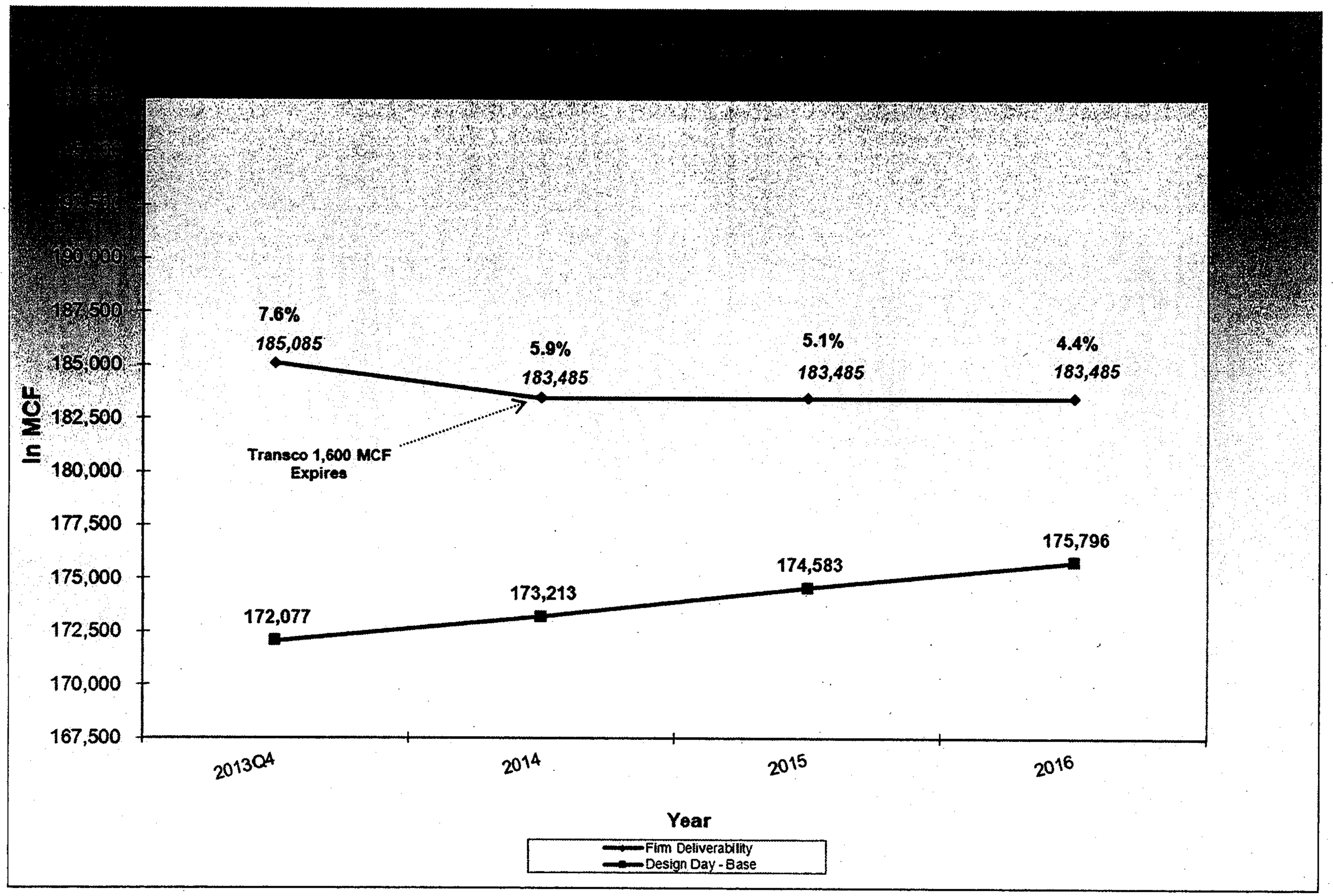
	DESCRIPTION	NOV 2013	DEC 2013	JAN 2014	FEB 2014	MAR 2014	APR 2014	MAY 2014	JUN 2014	JUL 2014	AUG 2014	SEP 2014	OCT 2014	Nov 13-Oct 14 GCR TOTAL
	OVERALL SUMMARY													
177	FIRM DEMAND	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,907
178	NONFIRM DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
179	STORAGE INJECTION (NO WSS)	0	0	0	0	0	137,434	436,936	395,507	300,522	300,154	378,761	273,341	2,222,656
180	WSS STORAGE INJ	0	0	0	0	0	124,199	128,339	124,199	122,228	122,228	124,199	122,228	867,619
181	TOTAL DEMAND	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	1,182,483	894,734	713,984	628,570	626,991	771,164	831,324	15,801,182
182														
183	FIRM SUPPLY	982,275	1,185,440	1,718,894	1,684,478	1,531,116	1,177,483	889,734	708,984	623,570	621,991	766,164	826,324	12,716,453
184	NONFIRM SUPPLY	0	0	0	0	0	0	0	0	0	0	0	0	0
185	WSS & ESS WITHDRAWAL	101,449	283,092	283,092	259,903	55,118	0	0	0	0	0	0	0	982,655
186	STORAGE WITHDRAWAL (less WSS & ESS)	60,072	574,082	625,881	531,058	275,981	5,000	5,000	5,000	5,000	5,000	5,000	5,000	2,102,074
187	TOTAL SUPPLY	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	1,182,483	894,734	713,984	628,570	626,991	771,164	831,324	15,801,182
188														
189	NET SUPPLY VS DEMAND	0	0	0	0	0	0	0	0	0	0	0	0	0
190														
191	**COMMODITY EXPENSE, $**													
192	TOTAL COMMODITY FIRM TRANSPORT $	$3,505,974	$4,464,018	$6,732,282	$6,592,389	$5,864,617	$4,266,674	$2,971,844	$2,412,454	$2,079,728	$2,079,856	$2,546,654	$2,786,197	$46,302,687
193	TOTAL COMMODITY NONFIRM TRANSPORT $	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
194	SUBTOTAL COMMODITY STORAGES $	$591,635	$3,289,301	$3,533,712	$3,072,262	$1,294,885	($988,270)	($2,173,921)	($2,018,247)	($1,651,793)	($1,657,982)	($1,979,513)	($1,562,694)	($250,625)
195	TOTAL COMMODITY $	$4,097,609	$7,753,319	$10,265,994	$9,664,651	$7,159,502	$3,278,404	$797,923	$394,207	$427,935	$421,874	$567,141	$1,223,503	$46,052,062
196														
197	**DEMAND EXPENSE, $**													
198	SUBTOTAL DEMAND FIRM TRANSPORT	$2,220,891	$2,279,754	$2,279,754	$2,133,417	$2,269,332	$2,189,302	$2,237,743	$2,176,153	$2,224,156	$2,224,156	$2,176,153	$2,252,251	$26,663,064
199	SUBTOTAL DEMAND STORAGES	$230,203	$236,866	$236,866	$216,878	$236,866	$230,203	$236,866	$230,203	$236,866	$236,866	$230,203	$236,866	$2,795,752
200	TOTAL DEMAND	$2,451,094	$2,516,620	$2,516,620	$2,350,295	$2,506,198	$2,419,505	$2,474,609	$2,406,356	$2,461,022	$2,461,022	$2,406,356	$2,489,117	$29,458,816
201														
202	**TOTAL EXPENSE $**													
203	TOTAL FIRM TRANSPORT	$5,726,865	$6,743,772	$9,012,037	$8,725,806	$8,133,949	$6,455,976	$5,209,587	$4,588,607	$4,303,884	$4,304,012	$4,722,807	$5,038,449	$72,965,751
204	TOTAL STORAGE CHARGES	$821,838	$3,526,167	$3,770,578	$3,289,140	$1,531,751	($758,067)	($1,937,055)	($1,788,044)	($1,414,927)	($1,421,116)	($1,749,310)	($1,325,828)	$2,545,127
205	PRIOR PERIOD ADJUSTMENTS	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
206	TOTAL GAS SUPPLY EXPENSE $	$6,548,703	$10,269,940	$12,782,614	$12,014,946	$9,665,701	$5,697,909	$3,272,532	$2,800,563	$2,888,957	$2,882,896	$2,973,497	$3,712,621	$75,510,878
207														
208	CREDIT FROM CAPACITY RELEASE $	$157,500	$85,250	$85,250	$77,000	$85,250	$127,200	$123,690	$119,700	$100,440	$100,440	$119,700	$123,690	$1,305,110
209	CREDIT FROM OFF-SYSTEM SALES $	$168,730	$576,336	$403,264	$137,369	$188,535	$101,203	$111,741	$115,629	$99,840	$99,919	$109,689	$140,243	$2,252,497
210	TOTAL CREDIT	$326,230	$661,586	$488,514	$214,369	$273,785	$228,403	$235,431	$235,329	$200,280	$200,359	$229,389	$263,933	$3,557,607
211														
212	WACCOG with Hedges, $/MCF	$3.5825	$3.7958	$3.9066	$3.9042	$3.8446	$3.5602	$2.4219	$2.0291	$2.0792	$2.0619	$2.1146	$2.8078	$3.6230
213	WACCOG without Hedges, $/MCF	$3.3931	$3.6976	$3.8183	$3.8280	$3.7478	$3.4614	$2.3185	$1.9769	$2.0655	$2.0674	$2.1146	$2.8078	$3.5322
214														
215	NYMEX Gas Futures 08/08/2013	$3.5625	$3.7508	$3.8471	$3.8502	$3.8160	$3.7612	$3.7860	$3.8202	$3.8543	$3.8709	$3.8730	$3.8947	$71,953,271
216	Difference from WACCOG (without Hedges)	($0.1694)	($0.0533)	($0.0288)	($0.0222)	($0.0683)	($0.2998)	($1.4675)	($1.8433)	($1.7889)	($1.8035)	($1.7584)	($1.0869)	
217														
218														
219	Total Firm Sendout	1,143,797	2,042,614	2,627,867	2,475,439	1,862,215	920,850	329,458	194,278	205,820	204,609	268,204	435,756	12,710,907
220	+Storage Injection	0	0	0	0	0	261,633	565,276	519,706	422,750	422,382	502,960	395,568	3,090,275
221	-Storage Withdrawl	(161,522)	(857,174)	(908,973)	(790,961)	(331,099)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(5,000)	(3,084,729)
222	Total Hedgeable In Mcf	982,275	1,185,440	1,718,894	1,684,478	1,531,116	1,177,483	889,734	708,984	623,570	621,991	766,164	826,324	12,716,453
223	Total Hedgeable In Dth	1,016,655	1,226,930	1,779,055	1,743,434	1,584,705	1,218,695	920,874	733,799	645,395	643,761	792,980	855,246	13,161,529

DELMARVA POWER & LIGHT COMPANY
PERCENTAGE HEDGED AND AVERAGE HEDGE COSTS (IN MMBtu)

Schedule JBJ-4

	A	B	C	D	E	F	G	H
Item	Month	GCR Purchase Requirements	Hedged Volume (1)	Percent Hedged [C/ B]	Avg Cost Per MMBtu	Hedge Cost [E x G]	Projected Settle Price (2)	Projected Market Value of Hedges [I - G] x E]
1	Nov 2013	1,016,655	470,000	46%	$3.903	$1,834,350	$3.442	($216,610)
2	Dec 2013	1,226,930	470,000	38%	$4.051	$1,903,900	$3.624	($200,620)
3	Jan 2014	1,779,055	497,500	28%	$4.183	$2,081,163	$3.717	($231,955)
4	Feb 2014	1,743,434	385,000	22%	$4.210	$1,620,750	$3.720	($188,550)
5	Mar 2014	1,584,705	387,500	24%	$4.152	$1,609,038	$3.687	($180,325)
6	Apr 2014	1,218,695	287,500	24%	$3.950	$1,135,743	$3.634	($90,968)
7	May 2014	920,874	160,000	17%	$3.871	$619,338	$3.658	($34,058)
8	Jun 2014	733,799	85,000	12%	$3.810	$323,875	$3.691	($10,140)
9	Jul 2014	645,395	45,000	7%	$3.787	$170,400	$3.724	($2,820)
10	Aug 2014	643,761	12,500	2%	$3.650	$45,625	$3.740	$1,125
11	Sep 2014	792,980	-	0%	$0.000	$0	$3.742	$0
12	Oct 2014	855,246	-	0%	$0.000	$0	$3.763	$0
13	Totals	13,161,529	2,800,000	21%	$4.051	$11,344,180	$3.639	($1,154,920)
14								
15	**Totals in Mcf**	**12,716,453**	**2,705,314**	**21%**	**$4.193**	**$11,344,180**	**$3.766**	**($1,154,920)**

(1) Hedges executed according hedging program established in PSC Order 7658, dated October 6, 2009
(2) August 8, 2013 NYMEX prices


190,000
187,500
185,000
182,500
180,000
177,500
175,000
172,500
170,000
167,500
In MCF
7.6%
185,085
5.9%
183,485
5.1%
183,485
4.4%
183,485
Transco 1,600 MCF
Expires
172,077
173,213
174,583
175,796
2013Q4
2014
2015
2016
Year
Firm Deliverability
Design Day - Base

DP&L STORAGE AND TRANSPORTATION ASSETS

UPDATED 8/7/2013

Schedule JBJ-6

	Pipeline	Type of Contract	Contract #	Service Level	MDQ (in MCF)	Decision	Expiration	Stay Period
2	TRANSCO	Stor Cap	1000854	GSS	2,056,961	9/30/2022	3/31/2023	None
3	TRANSCO	Stor Dem	1000854	GSS	28,420	9/30/2022	3/31/2023	None
4	TRANSCO	Stor Cap	1018469	ESS	171,171	3/31/2029	9/30/2029	6 Months
5	TRANSCO	Stor Dem	1018469	ESS	20,404	3/31/2029	9/30/2029	6 Months
6	TRANSCO	Stor Inj	1018469	ESS	5,559	3/31/2029	9/30/2029	6 Months
7	TRANSCO	Storage	9008008	WSS	1,113,345	3/31/2014	3/31/2015	1 Year
8	TRANSCO	Storage	9008008	WSS	11,720	3/31/2014	3/31/2015	1 Year
9	TRANSCO	Storage	9010117	LNG	6,970	9/30/2019	3/31/2020	1 Year
10	TRANSCO	Stor Cap	9010117	LNG	840	9/30/2019	3/31/2020	1 Year
11	TCO	Stor Cap	80723	FSSCP	504,202	9/30/2019	3/31/2020	None
12	TCO	Stor Dem	80723	FSS	9,768	9/30/2019	3/31/2020	None
13	TCO	Tport	49832	FTS	3,342	3/31/2018	10/31/2018	None
14	TCO	Tport	49833	FTS	3,343	3/31/2018	10/31/2018	None
15	TCO	Tport	80722	SST	9,768	9/30/2019	3/31/2020	None
16	TCO	Tport	80724	FTS	19,324	4/30/2019	10/31/2019	None
17	ESNG	Tport	050072	T-1	750	3/31/2013	3/31/2014	1 Year
18	ESNG	Tport	010040	FT	1,159	4/30/2015	10/31/2015	180 Days
19	ESNG	Tport	010043	FT	9,662	4/30/2016	10/31/2016	180 Days
20	ESNG	Tport	010046	FT	2,899	4/30/2017	10/31/2017	180 Days
21	ESNG	Tport	010055	FT	2,899	4/30/2015	10/31/2015	180 Days
22	ESNG	Tport	010072	FT	12,754	4/30/2021	10/31/2021	180 Days
23	ESNG	Tport	010073	FT	3,092	4/30/2022	10/31/2022	180 Days
24	ESNG	Tport	010074	FT	3,092	4/30/2024	10/31/2024	180 Days
25	COLGULF	Tport	80726	FTS-2	6,292	4/30/2019	10/31/2019	None
26	COLGULF	Tport	80727	FTS-1	19,776	4/30/2019	10/31/2019	None
27	TETCO	Tport	870018	LLFT	5,020	10/31/2014	10/31/2016	2 Years
28	TETCO	Tport	800475	FT-1	9,662	10/31/2013	10/31/2018	5 Years
29	Trunkline	Tport	13063	FTS	5,081	4/30/2016	10/31/2016	None
30	Panhandle	Tport	13321	FT	5,030	10/31/2015	10/31/2016	None
31	TRANSCO	Tport	1003684	FT	54,800	Month	3/31/2017	3 Years
32	TRANSCO	Tport	1005012	FT	1,600	7/31/2011	5/31/2014	3 Years
33	TRANSCO	Tport	1011993	FT	4,831	Month	3/31/2014	1 Year
34	TRANSCO	Tport	9076492	FT	24,155	5/20/2027	5/20/2029	2 Years

T Terminated

Renewed

D Decision Needed