

Division Data Request DIV 5-13

Request:

Re: page 11, lines 8-10 of witness Heintz's direct testimony, please:

- a. Identify any and all pages of the witness' filed workpapers that present information regarding the service investment study analysis of the average replacement cost of services by class;
- b. Provide all workpapers, data, analyses, and assumptions used in the development of the witness' "service investment study analysis" that were not provided as part of the Company's initial filing in this proceeding;
- c. Provide and identify the source(s) of all replacement cost data used by the witness as part of his "service investment study analysis."

Response:

- a. The Company does not have studies of the average replacement cost of services by class.
- b. Please see Att. DIV-5-13(b) and the response provided to Data Request DIV-5-28.
- c. Mr. Heintz relied on the service costs provided to him by Mr. Mongan.

Base Capital Spend FY 2007/2008	Units	U/C	Total Capital Requirement FY 2008/2009	
Services				
Residential	750	\$ 2,140	\$ 1,605,000	
Commercial	250	\$ 5,565	\$ 1,391,250	\$ 2,996,250
Customer Contributions			(\$200,000)	
Meters	2,500	\$ 250	\$ 625,000	
Main				
Residential	45,000	\$ 30	\$ 1,350,000	
Commercial	25,000	\$ 30	\$ 750,000	\$ 2,100,000
Total			\$ 5,521,250	

Incremental Capital Requirement for an additional \$1.1M GPM	Units	U/C	Total Capital Requirement FY 2008/2009	
Services				
Residential Services	840	\$ 2,410	\$ 2,024,400	
Comercial Services	204	\$ 5,665	\$ 1,155,660	
Customer Contributions			(\$440,000)	
Total Services			\$ 2,740,060	
Meters	1217	\$ 250	\$ 304,250	
Main				
Residential Main	0	\$ 30	\$ -	
Commercial Main	15827	\$ 30	\$ 474,810	
Incremental Reinforcement			\$ -	
Total Main			\$ 474,810	
Total			\$ 3,519,120	

	Units	U/C	Total Capital Requirement FY 2008/2009	
FY 2008/2009 Forecast				
Services				
Residential Services	1,590	\$ 2,410	\$ 3,831,900	
Comercial Services	454	\$ 5,565	\$ 2,526,510	
Customer Contributions			(\$640,000)	
Meters	3,717	\$ 250	\$ 929,250	
Main				
Residential Main	45,000	\$ 30	\$ 1,350,000	
Commercial Main	40,827	\$ 30	\$ 1,224,810	
Incremental Reinforcement			\$ -	
Total Forecast FY 2008/2009			\$ 9,222,470	

Meters \$ 929,250  
Main \$ 2,574,810  
Services \$5,718,410

Division Data Request DIV 5-15

Request:

Re: page 15, lines 16-18 of witness Heintz's direct testimony, for each of the four referenced rate schedules for customers having annual usage in excess of 35,000 therms per year, please provide the distribution of customer by load factor.

Response:

The table below shows the number of customers with load factors within the specified lower and upper limits. Load factor is defined as the percentage of winter period throughput to total throughput.

Lower Limit %	Upper Limit %	Extra Large High LF	Extra Large Low LF	Large High LF	Large Low LF
0	10	3	1	3	6
11	30	7	0	1	0
31	50	12	1	26	1
51	70	51	5	121	43
71	90	2	26	9	320
91	100 +		2	0	62
Total		75	35	160	432

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Division Data Request DIV 5-16

Request:

Re: pages 15-16 of witness Heintz's direct testimony, please:

- a. Document the procedures followed by the Company to ensure that C&I customers are assigned to appropriate rate schedules when the actual annual usage for a customer increases or declines such that the customer's annual usage moves above, or falls below, a threshold for inclusion in a different rate classification;
- b. For each month of the 12 months ended September 2007, provide the number of customers in each C&I rate classification that had actual annual usage for the most recent 12 months that was in excess of the upper limit for annual usage for customers in the rate classification under which the customer was served;
- c. For each month of the 12 months ended September 2007, provide the number of customers in each C&I rate classification that had actual annual usage for the most recent 12 months that was below of the lower bound for customers in the rate classification under which the customer was served.

Response:

- (a) The Company conducts an annual "rate reclassification" process to ensure C&I customers are assigned to the appropriate rate class. Following each cycle's normal August billing each year, the Rate Reclassification report is executed listing all commercial accounts and the total usage for the most recent 12 months. The person conducting the study limits the output to only those accounts whose usage falls outside their current rate class ranges. If an account's total 12 month's usage falls outside the range of the rate class the account is currently in (whether higher or lower), the account is moved to the appropriate rate class.
- (b) (c) The table below shows the number of customers above and below the annual usage requirements of the rate schedule based on actual usage for the 12-months ending September 2007.

National Grid  
R.I.P.U.C. Docket No. 3943  
Rhode Island Gas Rate Case  
Responses to Division Data Requests – Set 5  
Issued on May 30, 2008

C&I Rate Schedule	Number of Customers			
	Lower Limit	Upper Limit	Under Lower Limit	Over Upper Limit
Small	0	5,000	0	25
Medium	5,001	35,000	577	6
Large Low	35,001	150,000	79	1
Large High	35,001	150,000	25	0
Extra Large Low	150,001	None	10	0
Extra Large High	150,001	None	11	0

Division Data Request DIV 7-3

Request:

Re: page 3, lines 10-14 of witness Simpson's direct testimony, please:

- a. Specify the measure of number of customers that will be used each month for each rate class (e.g., beginning of month customers, average number of customers, end-of-month customers);
- b. For each month of the 12 months ended September 2007, provide the number of customers in each rate class, that received bills for less than a full months usage.

Response:

- a. The number of customers that will be used each month for each rate class will be determined by the number of customers ("active meters") at the end of the calendar month. This measure of the number of customers is identical to the measure that Mr. Czekanski used to develop the Revenue per Customer Calculations that are provided in Attachment NG PCC-7
- b. Please see Attachment DIV-7-3(b).

**Attachment DIV-7-3(b)**

Sum of COUNT(*)	Date												
RATE	Oct-2006	Nov-2006	Dec-2006	Jan-2007	Feb-2007	Mar-2007	Apr-2007	May-2007	Jun-2007	Jul-2007	Aug-2007	Sep-2007	Grand Total
1012	608	308	235	197	340	291	298	386	764	349	1480	275	5531
1247	4897	2800	1860	1407	2521	1774	1954	4423	4849	4358	6473	2454	39770
2107	212	216	198	132	222	161	162	373	193	158	405	64	2496
2231										1			1
2237	21	21	13	27	35	27	29	51	24	44	134	9	435
2367	1							3		1	3		8
3367		1	1			2		2		2	1		9
Grand Total	5739	3346	2307	1763	3118	2255	2443	5238	5830	4913	8496	2802	48250