

**CENTRA GAS MANITOBA INC.  
2015/16 COST OF GAS APPLICATION  
COST ALLOCATION AND RATE DESIGN**

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1 **5.0 OVERVIEW**

2  
3 This Tab provides an explanation of the purpose of a Cost Allocation Study, the process  
4 used to allocate costs to customers, the results of the Cost Allocation Study and addresses  
5 rate design matters.

6  
7 A Cost Allocation Study describes how the costs of serving various customer classes are  
8 identified so rates can be designed that correspond to the nature of the costs incurred.  
9 Centra's approach to Cost Allocation in this Application is consistent with past studies.  
10 As was the case in previous cost of gas filings, this Cost Allocation Study only deals with  
11 the allocation of non-Primary Gas costs. Rates for Centra's quarterly Primary Gas and  
12 Fixed Rate Primary Gas Service will not change as a result of this Application. Primary  
13 Gas rates typically change quarterly in February, May, August, and November and the  
14 rates for Fixed Rate Primary Gas are determined at the time of an offering based on a  
15 PUB approved formula.

16  
17 The rates that Centra charges its customers are made up of two components: base rates  
18 and rate riders. Centra's proposed base rates reflect an estimate of non-Primary Gas costs  
19 for the Gas Year November 1, 2015 to October 31, 2016 as outlined in Tab 3. This is the  
20 basis by which Centra's Supplemental Gas, Transportation and the Unaccounted for Gas  
21 component of Distribution Base Rates included in the proposed November 1, 2015 rates  
22 (Tab 6) have been determined.

23  
24 Non-Primary Gas base rates currently in effect were last established August 1, 2013  
25 flowing from Centra's 2013/14 General Rate Application approved in Order 85/13.

26  
27 Rate riders are temporary rate changes designed to either recover or refund the balances  
28 of Centra's various PGVAs and other gas cost deferral accounts. Centra last established  
29 new Non-Primary Gas rate riders on November 1, 2014 in Order 123/14. The current  
30 Supplemental Gas Rate Rider was further modified as directed by the PUB in Order

1 12/15. Centra's proposed rate riders reflect a forecast of non-Primary Gas deferral costs  
2 accumulated during the current Gas Year November 1, 2014 to October 31, 2015 and also  
3 reflect final balances of prior period deferrals to October 31, 2014. In this Application,  
4 Centra is also proposing to implement a 12-month rate rider to recover the remaining  
5 50% balance in the Supplemental Gas PGVA that accumulated during the 2013/14  
6 winter.

7  
8 **5.1 PURPOSE OF A COST ALLOCATION STUDY**

9  
10 The principal goal of the rate setting process is to establish rates for various customer  
11 classes that are fair, equitable, and not unduly discriminatory. Rates may be considered to  
12 be fair and equitable when they reflect the costs incurred to provide the service. The  
13 concept that rates should not be unduly discriminatory suggests that rates can be different  
14 for the various groups of customers provided there is a reasonable and rational basis for  
15 the difference. This difference may be the result of the nature of the service being  
16 provided or the recognition that different costs may be incurred to provide a service to  
17 different groups of customers. A Cost Allocation Study estimates the cost to provide a  
18 specific service to a class of customers.

19  
20 Centra defines "cost" as the embedded or accounting cost incurred in operating the  
21 utility. Some costs may be readily identified as the responsibility of a specific customer  
22 class or service. The majority of costs dealt with in this Application are shared by various  
23 customer classes and services. Accordingly, there is a need to establish some basis to  
24 distribute those costs to the appropriate customer classes and services.

25  
26 The Cost Allocation Study provides information on the total cost to serve specific  
27 customers or customer groups and also provides information on the nature of the costs,  
28 whether those costs are fixed or variable, and the factors that affect the variability of the  
29 costs. This information is beneficial in terms of determining an appropriate rate design.  
30 As such, the Cost Allocation Study provides the basic data upon which rates are based.

1   **5.2    PROCESS OF A COST ALLOCATION STUDY**

2           The cost allocation process is a three step sequential process consisting of  
3           functionalizing, classifying, and allocating all costs.

4  
5           **5.2.1 Functionalize Costs**

6           The first step in the process is to “functionalize” the costs into broadly defined groups  
7           (“functions”) which describe the purpose or function of the costs. In the case of Centra,  
8           there are six such functions, namely Production, Pipeline, Storage, Transmission,  
9           Distribution, and Onsite. The first three functions break down the expenses into costs that  
10          are incurred upstream of (or prior to) Centra’s Transmission and Distribution system, and  
11          the next three functions breakdown costs that are incurred downstream or within Centra’s  
12          Transmission and Distribution system. A brief description of each of these functions  
13          follows.

14  
15          **Upstream Functions:**

16          **Production**

17          Production costs include the commodity costs of gas supply purchased and flowed  
18          directly to the market, including Canadian sourced supply purchased at the Alberta  
19          border plus fuel costs to transport the gas to the Manitoba receipt points, and gas supply  
20          purchased from U.S. sources. Production costs also include the cost of gas withdrawn  
21          from storage to supply the Manitoba load.

22  
23          **Pipeline**

24          Pipeline costs include fixed and variable costs of transporting gas on the TransCanada  
25          Pipelines Limited (“TCPL”) system from Empress, Alberta to Centra’s Transmission and  
26          Distribution System, (i.e. Centra’s Manitoba receipt gates).

27  
28          **Storage**

29          Storage costs include fixed and variable costs of storage services, but do not include the  
30          cost of the commodity itself withdrawn from storage to supply the Manitoba load. All  
31          U.S. pipeline charges, both fixed and variable, including U.S. fuel costs, are included in  
32          this function.

1           **Downstream Functions:**

2           **Transmission**

3           Transmission costs include the capital and operating costs of Centra’s high-pressure  
4           Transmission system, plus the cost of Unaccounted for Gas (“UFG”) that occurs on  
5           Centra’s Transmission and Distribution system. All UFG costs are allocated to the  
6           Transmission function for cost allocation purposes, in order to ensure that all customer  
7           classes are allocated their appropriate share of the UFG costs regardless of whether they  
8           are served from Centra’s Transmission or Distribution system.

9  
10          **Distribution**

11          Distribution costs include the capital and operating costs of Centra’s high, medium, and  
12          low-pressure Distribution systems.

13  
14          **Onsite**

15          Onsite costs include capital and operating costs of Centra’s investment in service lines,  
16          meters, and other equipment installed on customers’ premises, plus the costs of customer  
17          accounting and customer service.

18  
19          **5.2.2 Classifying Costs**

20          The second step in the process is to “classify” the costs that have been functionalized.  
21          The classification process amounts to identifying the basis of the variability of the costs.  
22          For a gas utility, the variability of costs is usually classified according to the following  
23          three factors:

- 24  
25          1. The volume of gas purchased (Commodity Related);  
26          2. The number of customers on the system (Customer Related); or  
27          3. The capacity requirements needed for a specific day or other time period (Capacity  
28          Related).

29  
30          A brief description of each of the classification factors follows.

31  
32          **Commodity Related**

33          These are costs that are directly affected (they either increase or decrease) by the volume  
34          of gas purchased.

35          **Customer Related**

1           These are costs that are directly affected by the number of customers attached to the  
2           system. Examples of these costs would include meters, service lines, and billing.

3  
4           **Capacity Related (also referred to as Demand Related)**

5           These are costs that are directly affected by the need to meet daily peak requirements or  
6           peak requirements of other time periods resulting in contracted daily deliverability  
7           commitments on TCPL or other supply options, as well as the capacities of Centra's own  
8           Transmission and Distribution system.

9  
10          **5.2.3 Allocate Costs**

11          The third and final step in the cost allocation process is to "allocate" to the various  
12          customer classes the costs that have been functionalized and classified. The classification  
13          of costs into "Commodity Related", "Customer Related", and "Capacity Related"  
14          provides broad guidelines as to how these costs should be allocated to the customer  
15          classes. Thus, if costs are classified as customer related it would be reasonable to allocate  
16          costs to the various customer classes on the basis of some form of customer numbers,  
17          such as pure number of customers, weighted customers, or seasonal customers. The same  
18          logic is applied to commodity related costs.

19  
20          To allocate capacity related costs, Centra uses a "Peak and Average" allocator that  
21          recognizes the peak day, but also gives weight to the average use of the system so that all  
22          customer classes pay some portion of the capacity costs.

23  
24          **5.3        RESULTS OF THE COST ALLOCATION STUDY**

25  
26          Centra's Schedule of Rates is unbundled into the following components: Primary Gas,  
27          Supplemental Gas, Transportation, Distribution and the Basic Monthly Charge ("BMC").  
28          All of these rates, excluding the fixed monthly charge component, contain some elements  
29          of gas costs. Accordingly, when updated gas costs are introduced into the Cost Allocation  
30          Study, all of the rates, other than the Basic Monthly Charge, require change.

1 A Cost Allocation Study is first prepared for base rates and correspond to the non-  
2 Primary Gas cost forecast for the period November 1, 2015 to October 31, 2016. The  
3 attached Schedules provide the numerical detail supporting the determination of base  
4 rates and are described below. Additionally, Centra prepares a Rate Rider Cost Allocation  
5 Study, the intent of which is to determine each customer class' responsibility of the  
6 various Non-Primary Gas PGVAs. The rate rider schedules attached to this Tab are  
7 described in subsequent Sections to this Tab.

8 Attached to this Tab are a series of schedules that provide the numerical detail supporting  
9 the base rates which correspond to the non-Primary gas cost forecast for the period  
10 November 1, 2015 to October 31, 2016. These schedules are described below.

#### 11 12 **Schedule 5.0.0 - Non-Primary Gas Unit Cost Summary for Proposed Base Rates**

13 Schedule 5.0.0 provides an overall summary of the cost allocation process. The upper  
14 portion of the Schedule (lines 2 to 10) sets out the allocated costs in terms of:

- 15  
16 • Upstream Demand Related;  
17 • Upstream Commodity Related;  
18 • Downstream Demand Related; and,  
19 • Downstream Commodity Related.

20  
21 Upstream costs are those that are incurred upstream of Centra's receipt gates. These costs  
22 (excluding Primary Gas costs) apply to all Sales Service (system supplied and Western  
23 Transportation Service ("WTS") supplied) customers but do not apply to the  
24 Transportation Service ("T-Service") customers. The T-Service customers independently  
25 arrange for transportation of their supply to the Centra receipt gates and therefore they are  
26 not responsible for the upstream costs incurred by Centra.

27  
28 Downstream costs are those incurred downstream of the Centra receipt gates and are the  
29 responsibility of all of Centra's customers. For each category the costs have been further  
30 segregated or allocated into rate classes (Small General Service ("SGS"), Large General  
31 Service ("LGS"), High Volume Firm ("HVF"), Co-op, Mainline, Interruptible, Special  
32 Contract and Power Stations).

1 The commodity supply costs have been segregated into Primary Supply, Supplemental  
2 Supply for Firm customers and Supplemental Supply for Interruptible Class customers.  
3 Primary Supply costs are not dealt with in this Application as the quarterly Primary Gas  
4 rates are administered through the quarterly Rate Setting Methodology (“RSM”) process.  
5 Similarly, the Primary Gas Overhead Rate of \$0.87/103m<sup>3</sup> which reflects the non-gas  
6 costs embedded in the Primary Gas Rate was previously established in Order 85/13 and is  
7 not dealt with in this Application.  
8

9 Lines 15 to 21 of Schedule 5.0.0 set out the Billing Determinants for each rate class for  
10 the period April 1, 2015 to March 31, 2016. The Billing Determinants are either demand  
11 billing units, (peak use per day in 10<sup>3</sup>m<sup>3</sup>/day), commodity units or annual consumption  
12 (in 10<sup>3</sup>m<sup>3</sup>). The upstream billing determinants include all customers except T-Service  
13 customers. The downstream billing determinants include annual billing demand, volume  
14 and customer numbers for all customers in each class regardless of the service provided.  
15

16 Lines 26 to 32 show the resulting unit charges by rate class to be embedded in the new  
17 base rates. Again, the upstream charges for a particular rate class apply to all customers,  
18 excluding the T-Service customers in that rate class. The downstream charges for a  
19 particular rate class apply to all customers including T-Service customers in that rate  
20 class. The charges are either demand charges (\$/10<sup>3</sup>m<sup>3</sup>/day), commodity charges  
21 (\$/10<sup>3</sup>m<sup>3</sup>), or customer charges (\$/customer/month). Note that none of the upstream costs  
22 are customer related, i.e. costs that vary directly with the number of customers billed, and  
23 therefore no upstream costs have been allocated to the customer category.  
24

25 Line 23 of Schedule 5.0.0 indicates a Percent in Demand Charge. This refers to the  
26 approved rate design methodology whereby for certain rate classes, some (or all) demand  
27 related costs are not recovered in the demand charge but are instead recovered as part of  
28 the commodity charge. For example for the SGS and LGS rate classes, all of the demand  
29 related costs are transferred to the commodity category and recovered in their respective  
30 commodity charges. For the HVF and Interruptible rate classes, 35% of the demand  
31 related costs are transferred to the commodity category and recovered in their respective  
32 commodity charges. The remaining 65% of demand costs are recovered in the respective  
33 demand charges. Finally for the Co-op, Mainline, and Power Stations 100% of the  
34 demand related costs are recovered in the demand charge and no costs are transferred to  
35 the commodity category.



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**Schedule 5.1.0 – Non-Primary Gas Unit Cost Summary for Previous Base Rates**

This schedule parallels Schedule 5.0.0 except that it represents the unit gas costs embedded in the current Non-Primary Gas base rates effective August 1, 2013.

**Schedule 5.2.0 - Functionalization of Non-Primary Gas Costs for Forward Period November 1, 2015 to October 31, 2016**

The first step in the cost allocation process is to separate the gas costs into the functional categories of Production, Pipeline, Storage, Transmission, Distribution and On-site. Schedule 5.2.0 shows this functionalization. The end result is that \$84.9 million non-Primary Gas costs have been placed in these functional categories. The balance of \$128.0 million is identified as Primary Gas costs, which when added equal the total 2015/16 gas cost forecast of \$212.8 million as outlined in Tab 3.

**Schedule 5.3.0 - Classification of the Functionalized Costs for Forward Period November 1, 2015 to October 31, 2016**

The second step in the allocation of gas costs is to provide a further breakdown of the costs by function from Schedule 5.2.0 into demand or volume components. This is referred to as the classification of the functionalized costs. For example, all of the Production function costs vary with the volume consumed and are therefore classified as volume related (total of \$25.4 million). A significant portion of the Pipeline and Storage function costs are classified as demand type costs (\$56.6 million). A portion of the Storage function costs are storage withdrawal costs which are volume related. These are classified as commodity type charges (\$2.9 million).

Note that none of the gas costs are classified as customer related, i.e. costs that vary directly with the number of customers billed. Also, gas costs are not included in the Distribution or on-site function.

**Schedules 5.4.0 – 5.4.7 - Allocation of Gas Costs By Function and Classification to Rate Classes for Forward Period November 1, 2015 to October 31, 2016**

The third step in the cost allocation process is to take each cost function by cost classification and allocate those costs to the appropriate rate class. For example, Supplemental supply costs (less UFG) total \$23.3 million, as shown on Schedule 5.2.0 line 26. These costs have been assigned to Supplemental Firm and Supplemental

1 Interruptible rate classes based on an analysis of the monthly load curves which depict  
 2 how the firm and interruptible customer classes are forecast to be served by Supplemental  
 3 Gas sources. The load curves and supply make-up are depicted for a normal year pattern  
 4 of daily requirements. As a second example, Pipeline Capacity costs total \$38.5 million  
 5 which is allocated among the rate classes based on a peak and average allocator.  
 6

7 **Summary of Cost Allocation Study Results**

8 As shown in the table below, Centra is proposing to recover a total of \$84.9 million in  
 9 Non-Primary Gas costs through base rates to be effective November 1, 2015. Currently,  
 10 Centra's rates are recovering \$73.5 million as approved in Order 85/13.  
 11

12 **Figure 5.1**

Non-Primary Gas Costs	Approved 2013/14 GRA	Proposed 2015/16 COG	Inc/(Dec)
Transportation	48,233.1	59,229.6	10,996.6
Distribution	2,412.3	2,375.5	(36.8)
Subtotal	50,645.4	61,605.1	10,959.8
Supplemental Gas	22,866.0	23,257.0	391.0
<b>Total Non-Primary Gas Costs</b>	<b>73,511.4</b>	<b>84,862.1</b>	<b>11,350.8</b>

13  
 14  
 15 A summary of the allocation results by customer class for the 2015/16 Gas Year  
 16 compared to Non-Primary Gas Costs embedded in current rates flowing from Centra's  
 17 2013/14 General Rate Application is provided in the table below.

1 **Figure 5.2**

Non Primary Gas Cost Allocation by Class	Approved	Proposed	Inc/(Dec)
	2013/14 GRA	2015/16 COG	
SGS	25,666.4	30,838.4	5,172.0
LGS	18,434.6	22,781.2	4,346.6
HVF	4,147.0	6,506.3	2,359.4
CO-OP	9.7	11.6	1.9
ML	563.7	305.1	(258.6)
SC	92.7	91.0	(1.7)
GS	124.7	126.5	1.8
INT	1,606.5	945.0	(661.5)
<b>Subtotal</b>	<b>50,645.4</b>	<b>61,605.1</b>	<b>10,959.9</b>
Supplemental Firm	20,985.9	21,802.0	816.1
Supplemental Interruptible	1,880.1	1,455.0	(425.1)
<b>Total Non-Primary Gas Costs</b>	<b>73,511.4</b>	<b>84,862.1</b>	<b>11,350.9</b>

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The majority of the base rate increase relates to increased Transportation Tolls discussed throughout this Application. The SGS and LGS customer classes, given their size in terms total energy and also contribution to peak demand, bear the most significant responsibility for increased Transportation costs, although proportionately consistent compared with total allocated costs from that embedded in current rates. The movement of Interruptible customers (“INT”) to the High Volume Firm class (“HVF”) since base rates were last established on August 1, 2013, results in a corresponding shift of load and, therefore costs, from the Interruptible to High Volume Firm Class. The sizeable reduction in allocated costs to the Mainline Class (“ML”) results in movement of customers from Sales to T-Service.

15 **5.4 NON-PRIMARY GAS RATE RIDERS**

16  
17 **5.4.1 Current Rate Riders**

18 Centra has a number of non-Primary Gas cost rate riders that are currently recovering an  
 19 approximate \$996,016 balance over a 12-month period between November 1, 2014  
 20 October 31, 2015, the details of which are identified in Schedule 4.1.1. Additionally, in  
 21 accordance with Order 123/14, Centra implemented a Supplemental Gas rate rider on  
 22 November 1, 2014 to collect 50% of the then forecast Supplemental PGVA balance of  
 23 \$46.7 million over a 24-month period. Subsequently, in Order 12/15, the PUB directed an  
 24 amended Supplemental Gas rate rider be implemented February 1, 2015 designed to

1 accelerate the collection of the \$23.3 million Supplemental Gas balance over the 9-month  
2 period from February 1, 2015 to October 31, 2015.

3  
4 **5.4.2 Allocation of Non-Primary Gas Deferral Accounts**

5 The balances in the various PGVAs arise as a result of the differences between the gas  
6 cost inflows and the offsetting WACOG outflows for the gas year. The PGVA balances  
7 include actual carrying costs up to February, 2015 and forecast carrying costs for the  
8 months of March, 2015 through October, 2015. The process of allocating the resulting  
9 balances among the rate classes is accomplished by first allocating the cost inflows to  
10 each rate class (i.e. the cost responsibility of each rate class), and then identifying what  
11 portion of the WACOG outflows was (or is projected to be) “paid for” by each rate class  
12 over the gas year. The allocation of the non-Primary Gas deferral accounts is consistent  
13 with past methodology.

14  
15 In this Application Centra is proposing to recover \$35.4 million of non-Primary Gas  
16 deferral accounts (Schedule 3.11.0 line 33). This balance includes the remaining 50%  
17 Supplemental PGVA balance of \$22.2 million forecast to October 1, 2015.

18  
19 The \$13.2 million in Centra’s non-Primary Gas cost deferrals are driven primarily from  
20 increases related to TCPL Mainline costs as discussed in Tab 3 of this Application. This  
21 balance also reflects a \$1.5 million Supplemental Gas cost residual balance forecast to  
22 accumulate during the 2014/15 Gas Year. For the purposes of rate determination  
23 discussed further in Tab 6, the 2014/15 Supplemental Gas deferral balance has been  
24 severed from the Supplemental Gas balance that accumulated during the 2013/14 Gas  
25 Year.

26  
27 The allocation results are summarized on Schedule 5.5.0. Lines 2 to 14 of Schedule 5.5.0  
28 address PGVA cost inflows and WACOG outflow amounts that are related to fixed costs.  
29 Lines 21 to 36 of Schedule 5.5.0 address PGVA cost inflows and WACOG outflow  
30 amounts that are related to variable costs.

31  
32 For each item, the total allocated cost components in Schedule 5.5.0 can be tied to the  
33 summation of the 2014/15 Gas Year deferral balances contained in Schedule 3.11.0 of  
34 Tab 3, as identified in the bottom portion of Schedule 5.5.0. The table below summarizes  
35 the allocation of the non-Primary Gas cost deferrals of \$13.2 million by customer class as

1 well as a forecast recovery by customer class of the remaining Supplemental Gas PGVA  
 2 balance that accumulated during the 2013/14 winter:

3  
 4  
 5

**Figure 5.3**

<u>2014/15 Gas Year Deferrals</u>	<u>Total</u>	<u>SGS</u>	<u>LGS</u>	<u>HVF</u>	<u>Mainline</u>	<u>INT</u>	<u>SC</u>	<u>PS</u>
Balances by Rate Class (\$000's)								
Proposed Nov 1/2015	13,155.0	6,670.4	5,224.4	526.9	117.7	266.5	276.7	72.4
<u>Prior Period Supplemental Gas PGVA</u>	<u>Total</u>	<u>SGS</u>	<u>LGS</u>	<u>HVF*</u>	<u>Mainline</u>	<u>INT</u>	<u>SC</u>	<u>PS</u>
Balances by Rate Class (\$000's)								
Proposed Nov 1/2015	22,200.0	10,859.5	8,419.7	2,403.8	248.1	269.0	0.0	0.0

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 7  
 8  
 9

\* The High Volume Firm class reflects forecast revenue collection of former Interruptible customers who migrated to the HVF Class subsequent to the 2013/14 accumulated Supplemental PGVA.

1

2 **5.5 RATE DESIGN MATTERS**

3

4

A description of Centra's rate design by customer class is provided below.

5

6 SGS customers and LGS customers pay a two-part rate consisting of a BMC and  
7 Volumetric Charges. The BMC is proposed to remain at \$14 per month for SGS and \$77  
8 per month for LGS. The BMC does not recover all of the customer related costs for the  
9 SGS or LGS classes. All customer costs in excess of those collected in the BMC, plus all  
10 capacity and commodity related costs are recovered in the Volumetric Charges for the  
11 SGS and LGS classes respectively.

12

13 The HVF, Co-op, Mainline, Power Stations and Interruptible classes are billed using a  
14 three-part rate design. This rate design includes a BMC, Monthly Demand Charge  
15 components and Volumetric (commodity) Charge components. The BMC for these  
16 classes recovers 100% of the customer related costs determined for each respective class  
17 in the Cost Allocation Study. The Monthly Demand Charge for the HVF and Interruptible  
18 classes recovers 65% of the capacity or demand-related costs determined in the Cost  
19 Allocation Study. The remaining 35% of capacity costs are added to the commodity costs  
20 and recovered through the Volumetric Charges. The Co-op, Mainline and Power Stations  
21 class include a Monthly Demand Charge that recovers 100% of the capacity or demand-  
22 related costs and Volumetric Charges equal to 100% of commodity related costs.

23

24 The Special Contract class pays a two-part rate, with 100% of the customer related and  
25 capacity related costs recovered through the Basic Monthly Charge. The Volumetric  
26 Charge recovers 100% of the commodity-related costs allocated to the class which is  
27 predominantly the cost of UFG.

28

29 **5.5.1 Rate Design Results**

30 In this Application, Centra is proposing to recover all PGVA balances over the 12-month  
31 period from November 1, 2015 to October 31, 2016. In late summer 2014, Centra sought  
32 PUB approval to dispose of the approximate \$47 million Supplemental PGVA that  
33 accumulated during the 2013/14 winter over a 24-month period to moderate the impacts

1 on customer bills. Order 123/14 approved a recovery of 50% of this balance over a 24-  
2 month period beginning November 1, 2014. In Order 12/15, the PUB directed that this  
3 50% recovery be accelerated and collected by October 31, 2015. In this Application,  
4 Centra is proposing to return to its traditional 12-month disposal practice for the  
5 remaining 50%, which gives reasonable consideration to:

- 6
- 7 1. The modest bill impacts that flow from this entire Application;
  - 8 2. The minimal growth in new Supplemental Gas balances;
  - 9 3. Reducing carrying costs on the PGVA balance that must ultimately be  
10 recovered from customers; and
- 11

12 The remaining 50% of the Supplemental Gas PGVA balance deferred by the PUB in  
13 Order 123/14 has been updated to reflect the final balance at October 31, 2014, a forecast  
14 of the revenue to be generated through current rates and carrying costs forecast to  
15 October 31, 2016. The table below provides a summary of these balances.

1 **Figure 5.4**

Calculation of Prior Period Supplemental Gas Rate Rider - 2015/16 COG Application

	Total	Firm	Interruptible
2			
3 Supplemental Gas Cost PGVA owing to Centra (Nov 1, 2014 Interim Application)	\$46,687,968	\$45,921,270	\$766,698
4 Less: Supplemental PGVA variance to Oct 31/2014	(\$546,350)	(\$629,816)	\$83,466
5 Supplemental Gas PGVA balance to be recovered as of Oct 31, 2014	\$46,141,618	\$45,291,454	\$850,164
6 Forecast collection of approved Supplemental Gas Balance Nov 1, 2014 to Oct 31, 2015	(\$24,560,914)	(\$24,170,108)	(\$390,806)
7 Remaining Supplemental Gas PGVA balance to be recovered Nov 1, 2015 to Oct 31, 2016	\$21,580,704	\$21,121,346	\$459,358
8 Plus Carrying Costs Nov1/15 to Oct31/16	\$619,335	\$606,152	\$13,183
9 Prior Period Supplemental Gas PGVA balance with CC to be recovered Nov 1, 2015 to Oct 31, 2016	\$22,200,039	\$21,727,498	\$472,541
10			
11 Volumes Nov1/2015 - Oct31/16 (10 <sup>3</sup> m <sup>3</sup> )	1,397,172	1,318,705	78,467
12			
13 Prior Period Supplemental Gas Rate Rider (\$/10 <sup>3</sup> m <sup>3</sup> )	\$	16.48	\$ 6.02
14 (\$/m <sup>3</sup> )		\$ 0.0165	\$ 0.0060

2  
 3  
 4 The Supplemental PGVA has been segregated between Firm and Interruptible service  
 5 based on an analysis of the daily load distribution and resulting Firm and Interruptible  
 6 supplemental requirements compared to actual billings. The balance that accumulated  
 7 during the 2013/14 winter was almost entirely driven by the energy consumption of Firm  
 8 service customers. Interruptible customers experienced curtailment and were offered  
 9 Alternate Supply Service during the majority of the period during which these cost  
 10 deferrals were accumulated. Centra proposes to continue the current rate rider treatment  
 11 for Interruptible customers. Interruptible customers that migrate to Firm service on or  
 12 after May 1, 2014 will continue to be responsible for the Interruptible Supplemental Gas  
 13 rate rider instead of paying the Firm Supplemental Gas rate rider. These customers  
 14 availed themselves of Alternate Supply Service from Centra and paid the actual cost of  
 15 gas as incurred throughout the period of the Supplemental PGVA accumulation to which  
 16 they did not contribute. Centra also intends that this rate treatment will only be applicable  
 17 to the material Supplemental Gas PGVA that accumulated during the 2013/14 winter.  
 18 Similarly, other large volume Firm customers who may elect T-service will continue to  
 19 be obligated to pay for the 2013/14 Supplemental PGVA balance and those who may be  
 20 T-Service and elect system supply of WTS service will continue to be exempt.

21  
 22 For purposes of the determination of the Firm Supplemental Gas rate rider, Centra has  
 23 adjusted the volume and demand forecast to reflect the migration of customers, in large  
 24 part from the Interruptible to HVF Classes. Centra has done so to align the determination  
 25 of the rate rider with its anticipated recovery.



1           Centra intends to recover the 2014/15 Supplemental PGVA, as well as the remaining  
2           50% of the prior period Supplemental Gas PGVA balance, through a rate rider applied to  
3           the Distribution (to Customer) charge for all customer classes as it has done on several  
4           occasions in the past, in accordance with the approval received from the PUB in Order  
5           131/04. This practice is used as Supplemental Gas volumes are more prone to variation  
6           during the year (and from year to year) as these volumes are more susceptible to weather  
7           fluctuations.

8  
9           For the Special Contract class, a total residual of \$276,176 is to be collected as shown on  
10          Schedule 5.1.0. This balance is primarily driven from differences in heating values as  
11          well as UFG. Similarly, a total residual of \$72,432 (primarily driven by differences in  
12          UFG) is to be collected from the Power Stations. Consistent with past practice and  
13          assuming PUB approval of the rate riders flowing from this Application, Centra will  
14          collect these residuals as lump sum payments in November 2015.