

DIRECT TESTIMONY OF COST OF SERVICE AND RATE DESIGN PANEL

1 Q. Please state the names of the members of the Cost of
2 Service and Rate Design Panel ("Panel").

3 A. We are Eric H. Meinl and Evan M. Crahen.

4 Q. Mr. Meinl, please state your business address.

5 A. My business address is 6363 Main Street,
6 Williamsville, New York 14221.

7 Q. By whom are you employed and in what capacity?

8 A. I am employed by National Fuel Gas Distribution
9 Corporation ("Distribution" or the "Company") as
10 General Manager in the Rates and Regulatory Affairs
11 Department.

12 Q. Have you provided your educational and professional
13 experience elsewhere in this proceeding?

14 A. Yes, I have provided this information in the Direct
15 Testimony of Eric H. Meinl in this proceeding.

16 Q. Mr. Crahen, please state your name and business
17 address.

18 A. My business address is 6363 Main Street,
19 Williamsville, New York 14221.

20 Q. By whom are you employed and in what capacity?

21 A. I am employed by Distribution as a Regulatory
22 Analyst II in the Rates and Regulatory Affairs

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1 Department.

2 Q. Have you provided your educational and professional
3 experience elsewhere in this proceeding?

4 A. Yes, I have provided this information in the Direct
5 Testimony of Evan M. Crahen in this proceeding.

6 Q. What is the purpose of the Panel's direct testimony?

7 A. The purpose of this panel's direct testimony is to
8 describe: (1) the cost of service study, which
9 complies with the New York State Public Service
10 Commission's ("Commission") Order issued on August
11 25, 2004, in the statewide unbundling proceeding
12 (Case 00-M-0504); (2) marginal transmission,
13 distribution and customer costs; and (3) the
14 proposed rate design and tariff changes. It should
15 be noted that the cost of service study has been
16 completed to comply with the August 25, 2004
17 Commission Order and does not represent an
18 endorsement of the Order's methods.

19 **Cost of Service - Overview**

20 Q. Please summarize the layout of the Exhibits and
21 Workpapers related to the embedded cost of service
22 study you are presenting in this proceeding.

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1 A. The embedded cost of service study presented in this
2 proceeding is voluminous and relies on a number of
3 special studies and related Workpapers. For the
4 convenience of the parties reviewing the study, an
5 overall summary of the layout of Exhibits and
6 supporting Workpapers is provided on pages 4 through
7 7.

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	Total Company "Bundled"	Delivery	Natural Gas Supply (NGS)	Billing and Payment (B&P) Processing
Exhibits				
Total Company Proposed Rates Service Class Allocation	Exhibit ____ (COSRD-1) Schedule 1	Exhibit ____ (COSRD-1) Schedule 2	Exhibit ____ (COSRD-1) Schedule 3	Exhibit ____ (COSRD-1) Schedule 4
Total Company Proposed Rates Customer Cost Analysis	Exhibit ____ (COSRD-1) Schedule 5			
Total Company Current Rates Service Class Allocation	Exhibit ____ (COSRD-2) Schedule 1	Exhibit ____ (COSRD-2) Schedule 2	Exhibit ____ (COSRD-2) Schedule 3	Exhibit ____ (COSRD-2) Schedule 4
Total Company Current Rates Service Class Allocation Factors	Exhibit ____ (COSRD-2) Schedule 5			
Total Company Class Allocation Factor Report	Exhibit ____ (COSRD-2) Schedule 6			
Total Company Current Rates Classification Allocation	Exhibit ____ (COSRD-3) Schedule 1			
Total Company Current Rates Classification Allocation Factor Report	Exhibit ____ (COSRD-3) Schedule 2			

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	Total Company "Bundled"	Delivery	Natural Gas Supply (NGS)	Billing and Payment (B&P) Processing
Workpapers - Studies				
Supply Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Supply Bundled	Workpaper COSRD-1 Schedule 2 Supply Delivery	Workpaper COSRD-1 Schedule 3 Supply NGS	Workpaper COSRD-1 Schedule 4 Supply B & P
Storage Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Storage Bundled	Workpaper COSRD-1 Schedule 2 Storage Delivery	Workpaper COSRD-1 Schedule 3 Storage NGS	Workpaper COSRD-1 Schedule 4 Storage B & P
Transmission Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Transmission Bundled	Workpaper COSRD-1 Schedule 2 Transmission Delivery	Workpaper COSRD-1 Schedule 3 Transmission NGS	Workpaper COSRD-1 Schedule 4 Transmission B & P
Distribution Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Distribution Bundled	Workpaper COSRD-1 Schedule 2 Distribution Delivery	Workpaper COSRD-1 Schedule 3 Distribution NGS	Workpaper COSRD-1 Schedule 4 Distribution B & P
B & P Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 B & P Bundled	Workpaper COSRD-1 Schedule 2 B & P Delivery	Workpaper COSRD-1 Schedule 3 B & P NGS	Workpaper COSRD-1 Schedule 4 B & P B & P
Comp. ES Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Comp. ES Bundled	Workpaper COSRD-1 Schedule 2 Comp. ES Delivery	Workpaper COSRD-1 Schedule 3 Comp. ES NGS	Workpaper COSRD-1 Schedule 4 Comp. ES B&P
Clearing Function Proposed Rates Service Class Allocation	Workpaper COSRD-1 Schedule 1 Clearing Bundled	Workpaper COSRD-1 Schedule 2 Clearing Delivery	Workpaper COSRD-1 Schedule 3 Clearing NGS	Workpaper COSRD-1 Schedule 4 Clearing B&P

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	<u>Total Company</u> <u>"Bundled"</u>
Service Class Allocation Factor Report Current Rates All Functions	Workpaper COSRD-2 Schedule 6
Supply Function Current Rates Classification Allocations	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Supply
Storage Function Current Rates Classification Allocations	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Storage
Transmission Function Current Rates Classification Allocations	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Transmission
Distribution Function Current Rates Classification Allocation	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Distribution
B & P Function Current Rates Classification Allocation	Workpaper Exhibit ____ (COSRD-3) Schedule 1 B & P
Comp. ES Function Current Rates Classification Allocations	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Comp. ES
Clearing Function Current Rates Classification Allocation	Workpaper Exhibit ____ (COSRD-3) Schedule 1 Clearing

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Workpapers Special Allocation Studies into Functions	
Plant Allocation - General Plant Reserve Allocation - General Plant	Workpaper General Plant Allocation
Depreciation Expense Allocation - General Plant	
Structures Allocation	Workpaper Structures Allocation
All Labor Allocation	Workpaper All Labor Allocation
Consumer Services Allocation	Workpaper Consumer Services
A&G Allocator	Workpaper A&G Allocation
Workpapers Special Allocation Studies into Classification	
Mains Study Customer/Demand Allocation	Workpaper Mains Customer/Demand
Workpapers Special Allocation Studies into Service Classes	
Cogeneration Allocation	Workpaper Cogeneration Allocation
Main Allocation Study <4" / >=4" Allocation	Workpaper Mains 4" Allocation
Service Line Service Class Allocation	Workpaper Services Allocation
Meter Investment Service Class Allocation	Workpaper Meters Allocation
Industrial M&R Service Class Allocation	Workpaper Industrial M&R Allocation
Uncollectibles Service Class Allocation	Workpaper Uncollectibles Allocation
Customer Service Allocation	Workpaper Customer Service Allocation
Sales Promotion Allocation	Workpaper Sales Promotion

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1 Q. Please state the purpose of a fully-allocated, cost
2 of service study.

3 A. A fully-allocated, cost of service study assigns to
4 each revenue or customer class its proportionate
5 share of the Company's total cost of service.

6 Fully-allocated, cost of service study results can
7 be utilized to determine the relative cost of
8 service for each class of customers and to help
9 determine the individual class revenue requirements.

10 Fully-allocated, cost of service studies can also be
11 used to determine the appropriate rate structures of
12 individual customer classes.

13 Q. Please describe the general procedure employed in
14 performing the fully-allocated, cost of service
15 study.

16 A. Prior to the unbundling proceeding (Case 00-M-0504),
17 the general procedure employed in performing fully-
18 allocated, cost-of-service studies consisted of four
19 separate steps. The four separate steps were: (1)
20 functionalization of plant and operating expenses;
21 (2) classification of costs; (3) derivation of

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1 allocation methods; and (4) the actual allocations
2 of plant and expense items to the customer classes.

3 The unbundling proceeding added a fifth step
4 that separates costs further into specific "Buckets"
5 ("Buckets" or "Functions"), and a sixth step that
6 assigns each functional cost to the unbundled
7 services. For Distribution, these unbundled
8 services are Delivery, Natural Gas Supply ("NGS")
9 and Billing and Payment Processing ("Billing and
10 Payment" or "B&P").

11 The first step, functionalization of plant and
12 operating expenses, identifies and separates plant
13 and cost elements into specific categories based on
14 the various characteristics of utility operations.
15 For Distribution, the functional cost categories for
16 plant include natural gas production, transmission,
17 distribution, general, and intangible plant.
18 Operating expenses are functionalized as natural gas
19 production, gas supply, transmission, distribution,
20 customer accounts, customer service, and
21 administrative and general. The Federal Energy
22 Regulatory Commission ("FERC") Uniform System of

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1 Accounts defines the standards for the
2 functionalization of plant and operating expenses.

3 The second step of the general procedure used
4 in performing fully-allocated, cost-of-service
5 studies is the classification of costs. The
6 classification of costs further separates the
7 functionalized plant and operating expenses into
8 four basic components. The four basic components of
9 cost classification are: (1) demand or capacity-
10 related, (2) commodity or energy-related, (3)
11 customer-related, and (4) revenue-related. Demand
12 or capacity costs are related to plant and expenses
13 incurred due to a customer's peak load requirement.
14 The number of customers or the amount of annual
15 usage does not directly impact the level of demand
16 costs. Commodity or energy costs are incurred in
17 proportion to the customer's volumetric gas
18 consumption. Neither demand-related plant and
19 expenses nor customer-related plant and expenses
20 impact the level of commodity costs. Costs
21 associated with providing service to a customer are
22 defined as customer-related costs. Costs associated

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1 with the customer's total annual use of gas, or the
2 customer's total peak demand for gas, are not
3 included in customer-related costs. Revenue-related
4 costs are costs which vary by the amount of revenue
5 received by the utility. Each of the previously
6 functionalized costs is further identified as
7 related to one or more of these cost classes.

8 The third step of the general procedure used in
9 performing fully-allocated, cost-of-service studies
10 is the derivation of allocation methods. The
11 essential element in deriving reasonable cost-of-
12 service allocation methods is the establishment of
13 operating relationships between customer gas service
14 requirements and the cost incurred by Distribution
15 in meeting these requirements. These relationships
16 are established by analyzing the gas system design
17 and operations, Distribution's accounting records,
18 and load data and sales revenues by revenue
19 classifications. From the results of the analyses,
20 methods of direct assignment and common plant
21 allocation are chosen for all plant and expense
22 elements. Direct assignments of plant and expenses

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1 to particular customers or classes of customers are
2 made on the basis of special studies wherever the
3 necessary data is available. These assignments are
4 developed by detailed analyses of maps and records,
5 work order descriptions, property records and/or
6 customer accounting records. Within time and
7 budgetary constraints, the greater the magnitude of
8 cost responsibility based upon direct assignments,
9 the less reliance need be placed on common plant
10 allocation methodologies associated with joint-use
11 plant. Common or joint-use plant allocation
12 methodologies are chosen by analyzing the
13 distinguishing operating characteristics of each
14 customer class. These operating characteristics
15 include annual gas consumption, peak period usage,
16 load factor, and the numbers of customers in a
17 particular class.

18 The fourth step of the general procedure used
19 in performing fully-allocated, cost-of-service
20 studies is the actual allocation of plant items and
21 expense items to the customer classes. Actual
22 allocation entails the application of previously

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1 chosen common allocation methodologies to the
2 functionalized and classified plant and expenses
3 that have not already been directly assigned.

4 Q. Please provide a general description of the fifth
5 step where costs are separated into specific
6 Buckets, as required by the Commission in Case
7 00-M-0504.

8 A. Using the books and records of the Company, the
9 traditional cost of service study was separated into
10 the "Buckets" outlined in Appendix A of the November
11 9, 2001 Order in Case 00-M-0504. The Buckets are:

- 12 (1) Supply Function;
- 13 (2) Storage Function;
- 14 (3) Transmission Function;
- 15 (4) Distribution Function;
- 16 (5) Billing and Payment Processing Function;
- 17 (6) Competitive Energy Services Function; and
- 18 (7) Clearing Accounts Function (including
19 Customer Care).

20 Q. Please describe the Supply Function.

21 A. The Supply Function includes all direct production
22 oriented plant and expenses. Also included are

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1 indirect costs for general plant and operations and
2 maintenance ("O&M") expenses resulting from
3 allocation studies. These studies will be described
4 in more detail later in this testimony.

5 For Distribution, costs associated with
6 Production Plant (both plant and O&M) are more
7 closely aligned with the Transmission Function in
8 that they are for the most part small gathering-type
9 plant attached to local production wells, and not
10 part of the system that provides for Natural Gas
11 Supply Service. In compliance with the November 9,
12 2001 Order in Case 00-M-0504, Purchase Gas Expense
13 (Account 401999) and Other Gas Supply Expense
14 (Accounts 807.1 - 813) have been allocated between
15 the Supply and Distribution Function. Uncollectible
16 Accounts (Account 904) follows operating revenues,
17 as prescribed in the Order.

18 Q. Please describe the Storage Function.

19 A. The Storage Function includes all direct storage-
20 oriented plant, which for Distribution is Gas
21 Storage Inventory. In Distribution's last base rate
22 case (Case 07-G-0141), storage inventory was removed

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1 from rate base, and treated as an interest expense
2 to be recovered through the merchant function
3 charge. Therefore, storage inventory has been
4 excluded from this study. Distribution does not
5 have any storage O&M expenses and no indirect
6 allocations to the Storage Function.

7 Q. Please describe the Transmission Function.

8 A. The Transmission Function includes all direct
9 transmission-oriented plant and expenses. These
10 include plant accounts 365 through 369 and O&M
11 expenses in Control Accounts 401500 (Operating
12 Expense - Transmission) and 402500 (Maintenance
13 Expense - Transmission). Also included are indirect
14 costs for general plant and O&M expenses resulting
15 from the allocation studies, as well as all
16 Production Plant costs, as described above.

17 Q. Please describe the Distribution Function.

18 A. The Distribution Function includes all direct
19 distribution-oriented plant and expenses. These
20 include plant accounts 374 through 387 and all O&M
21 expenses in Control Accounts 401600 (Operating
22 Expense - Distribution) and 402600 (Maintenance

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1 Expense - Distribution). Also included are direct
2 O&M costs for meter reading in Control Account
3 401700 (Operating Customer Account Expense) and
4 Utility Energy Services costs in Control Accounts
5 401800 (Operating Customer Service and Information
6 Expense) and 401850 (Operating Sales Expense).
7 Indirect costs for general plant and O&M expenses
8 resulting from the allocation studies were also
9 included. As described above, the Distribution
10 Function includes a portion of Purchase Gas Expense
11 (Account 401999), Other Gas Supply Expense (Accounts
12 807.1 - 813) and the Uncollectible Account (Account
13 904).

14 Q. Please describe the Billing and Payment Processing
15 Function.

16 A. The Billing and Payment Processing Function does not
17 include any direct plant accounts or direct O&M
18 expenses. The Billing and Payment Processing
19 Function is embedded within Control Account 401700
20 (Operating Customer Account Expense) and was derived
21 via the allocation studies. General Plant accounts
22 and O&M expenses (e.g., Uncollectible Accounts and

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1 Administrative and General) were also allocated to
2 the Billing and Payment Processing Function.

3 Q. Please describe the Competitive Energy Services
4 Function.

5 A. Distribution does not have a Competitive Energy
6 Services function, and as a result, the Company has
7 not allocated plant accounts or O&M expenses to this
8 function.

9 Q. Please describe the Clearing Account Function.

10 A. Appendix A of the November 9, 2001 Order in Case 00-
11 M-0504 ("November 9, 2001 Unbundling Order")
12 describes the Clearing Account Function as
13 Uncollectibles (supply and non-supply) and Customer
14 Care. The Clearing Account Function, as defined in
15 the November 9, 2001 Unbundling Order, is embedded
16 within Control Account 401700 (Operating Customer
17 Accounts Expense) and was derived via the allocation
18 studies. General Plant accounts and O&M expenses
19 (including Administrative and General) were also
20 allocated to the Clearing Account Function.
21 Uncollectibles were not included in the Clearing
22 Account Function, but were included in the Functions

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1 that had operating revenues (specifically the Supply
2 Function, Distribution Function and the Billing and
3 Payment Processing Function). This was completed to
4 allow for the allocation of costs based on revenues.

5 Q. Please describe the sixth step in the embedded cost
6 of service study.

7 A. The sixth step assigns each Function by Service
8 Class to the unbundled service of Delivery, Natural
9 Gas Supply, or Billing and Payment Processing. The
10 summation of the three unbundled services is the
11 Total Cost for the Company, which is titled Total
12 Company "Bundled Service." The assignment of each
13 function to these unbundled services was completed
14 in accordance with the following matrix:

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Function	Delivery Service	Natural Gas Supply Service	Billing and Payment Processing Service
Supply Function		100.00%	
Storage Function		100.00%	
Transmission Function	100.00%		
Distribution Function	100.00%		
Billing and Payment Processing Function			100.00%
Competitive Energy Services Function	100.00%		
Clearing Accounts Function	52.72%		47.28%

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2 **Cost of Service - Classification**

3 Q. Please describe the classification step in the cost
4 of service study.

5 A. The classification step in the cost of service study
6 classifies the costs into a Demand component,
7 Customer component, Commodity component, or a
8 Revenue component. Demand or capacity costs are

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1 related to plant and expenses incurred to serve a
2 customer's peak load requirement. Annual usage does
3 not directly affect the level of demand costs.
4 Commodity costs are incurred in proportion to the
5 customer's volumetric consumption.

6 The classification factors outlined in
7 Exhibit___(COSRD-3), Schedule 1, Column S, were used
8 throughout the seven Functions. For example,
9 General Plant Office Equipment - Furniture (Account
10 391.1) was classified as 26.08% Demand and 73.92%
11 Customer, regardless of whether the plant was in the
12 Distribution Function or the Supply Function.
13 Distribution Mains (Account 376) were assigned
14 58.56% Customer and 41.44% Demand based on the Mains
15 study described below. General Plant Structures
16 (Account 390) and the associated Land (Account 389)
17 were based on the Structures study described below.
18 Office Equipment - Furniture, General and Computers
19 (Account 391.1, 391.2 and 391.3, respectively) and
20 Communication Equipment (Account 397) were based on
21 the All Labor study described below.

22 Referencing Exhibit___(COSRD-3), Schedule 1,

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1 Page 1, Gas Plant in Service totaled \$1,491,012,000.
2 \$434,410,422 of this total is Demand related and
3 \$1,056,601,578 of this total is Customer related.
4 There is no Commodity or Revenue related Gas Plant
5 in Service. The classification factors used for Gas
6 Plant in Service were also used for the Accumulated
7 Reserve for Depreciation (Exhibit___(COSRD-3),
8 Schedule 1, Page 2) and Depreciation Expense
9 (Exhibit___(COSRD-3), Schedule 1, Page 3).

10 Referencing Exhibit___(COSRD-3), Schedule 1,
11 Page 4, the deferred Commission Assessment was
12 classified based on the classification of the O&M
13 Regulatory Expense (Account 928), which is outlined
14 on Page 8 of Exhibit___(COSRD-3). Schedule 1, Page
15 5 of Exhibit___(COSRD-3) provides the Direct Labor
16 O&M expense. In total, for Direct Labor O&M
17 expense, \$8,238,396 was classified as Demand,
18 \$28,671,724 was classified as Customer, \$544,561 was
19 classified as Commodity, and \$5,338,801 was
20 classified as Revenue. Exhibit___(COSRD-3),
21 Schedule 1, Pages 6 through 8, provides the direct
22 O&M expense.

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1 In accordance with page 24 of the Commission's
2 August 25, 2004 Order in Case 00-M-0504,
3 Uncollectible Accounts expense (Detail Account 904)
4 has been classified to Revenues. In the same Order,
5 at page 20, customer care (which is represented by
6 portions of customer accounts expense included in
7 Detail Accounts 903 and 901) pertaining to commodity
8 should also be allocated based on Revenues.

9 Administrative and General Expenses are
10 allocated on Pages 7 and 8 of Exhibit____(COSRD-3),
11 Schedule 1, using a separate study (explained later
12 in this testimony) which was provided in the
13 Workpapers accompanying this panel testimony. The
14 classifications used are provided in Column S of
15 Exhibit____(COSRD-3).

16 Schedule 2 of Exhibit____(COSRD-3) is the
17 Classification Allocation Factor Report and
18 summarizes the factors used for Total Company (Page
19 1), the Supply Function (Page 2), the Storage
20 Function (Page 3), the Transmission Function (Page
21 4), the Distribution Function (Page 5), the Billing
22 and Payment Function (Page 6), the Competitive

1 Energy Services Function (Page 7), and the Clearing
2 Accounts Function (Page 8). Total Company is a
3 summation of the seven individual functions. As
4 noted above, special studies will be explained
5 below.

6 **Cost of Service - Service Class Allocation**

7 Q. Please explain Exhibit___(COSRD-2), Schedule 5.

8 A. Exhibit___(COSRD-2), Schedule 5, provides the
9 Allocation Factors by cost line used to allocate the
10 costs into service classes. The Total Company is a
11 summation of the individual seven Functions and all
12 seven Functions were classified with the same
13 Allocation Factors. The individual Service Class
14 Allocation Factor Reports by Function are included
15 in the Workpapers accompanying this panel testimony.

16 Q. Please describe Exhibit___(COSRD-2), Schedules 1
17 through 4.

18 A. Exhibit___(COSRD-2), Schedule 1 is the Total Company
19 Bundled Service, by service class, for current
20 rates. Distribution's Total Company Bundled Service
21 is the summation of: (1) the Total Company Delivery
22 Service (Exhibit___(COSRD-2), Schedule 2), (2) the

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1 Total Company Natural Gas Supply Service
2 (Exhibit___(COSRD-2), Schedule 3), and (3) the Total
3 Company Billing and Payment Service
4 (Exhibit___(COSRD-2), Schedule 4). The individual
5 Functions by Service Class were allocated to the
6 Delivery, Natural Gas Supply, and Billing and
7 Payment Service by the matrix noted above. The
8 Total Company Delivery Service is a summation of the
9 Delivery Service for the individual seven Functions.
10 The Total Company Natural Gas Supply Service is a
11 summation of the Natural Gas Supply Service for the
12 individual seven Functions. Finally, the Total
13 Company Billing and Payment Service is a summation
14 of the Billing and Payment Service for the
15 individual seven Functions.

16 Q. Please describe Exhibit___(COSRD-1), Schedules 1
17 through 4.

18 A. Exhibit___(COSRD-1) was prepared using the same
19 format described above for Exhibit___(COSRD-2),
20 Schedules 1 through 4, with the only exception being
21 that Exhibit___(COSRD-1) is at proposed rates, where
22 Exhibit___(COSRD-2) is at current rates. The

1 classifications and allocations to service classes
2 have remained the same. As can be seen from the
3 summary page for Total Company Bundled Service, the
4 proposed rates generate a projected rate of return
5 ("ROR") of 7.81% for Total Company.

6 **Cost of Service - Special Allocation Studies**

7 Q. Please elaborate on the three types of studies that
8 were performed; one to determine which Function the
9 costs belong to, a second to determine the
10 Classification of Distribution Mains, and a third to
11 determine the service class allocation.

12 A. As directed in Case 00-M-0504, additional non-
13 traditional cost of service allocation studies are
14 necessary to determine which costs belonged to which
15 Function. For example, costs embedded in Detail
16 Account 903 (Customer Records and Collections)
17 reflect services defined by Case 00-M-0504 (such as
18 the Billing and Payment Function, the Distribution
19 Function, and the Supply Function). Traditionally,
20 these costs would not have been separately
21 identified, but to comply with the requirements from
22 Case 00-M-0504, Function studies associated with

1 general plant (and associated reserve and
2 depreciation expense), labor, consumer services
3 (Detail Account 903), and Administrative and General
4 (Control Accounts 401900 and 402900) were completed.

5 **Cost of Service - Function Studies**

6 Q. Please describe the General Plant Allocation.

7 A. General Plant traditionally has been allocated on a
8 Production Plant + Transmission Plant + Distribution
9 Plant basis, because theoretically General Plant
10 supports the other plant functions. A copy of the
11 General Plant Allocation is provided in the
12 Workpapers accompanying this panel testimony.

13 Q. Please describe the Structures Allocation.

14 A. The Company owns facilities supporting employees who
15 put pipe in the ground, employees who answer
16 customer inquiries, and employees who provide
17 administrative functions. The costs associated with
18 this are contained within Structures and
19 Improvements (Plant Account 390). After determining
20 the costs associated with each location, the costs
21 associated solely with the operations of the Company
22 and administrative functions were assigned to the

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1 Distribution Function. Costs that were associated
2 solely with the customer inquiry portion of the
3 Company were assigned to the Clearing Account
4 Function. Costs that were shared between operations
5 and customer inquiry were split 50/50 between the
6 Distribution Function and Clearing Account Function.

7 Q. Please explain the All Labor Allocation.

8 A. Company labor direct charged to O&M and the Company
9 clearing accounts has been functionalized according
10 to work performed within the Company. For example,
11 the Telecommunication Clearing (Clearing Account
12 184400) was assigned to the Distribution Function.
13 Detail Accounts 901 (Customer Accounts Supervision)
14 and 903 (Customer Accounts Records and Collections
15 Expenses) were assigned to the Distribution, Billing
16 and Payment, and Supply Functions based on the
17 Consumer Service Allocation. It should be noted
18 that the Consumer Service allocation was prepared in
19 a manner consistent with the Recommended Decision in
20 Case 07-G-0141, at page 81 (allocating customer
21 records and collection costs based on revenues).

22 Labor in Control Accounts 401900

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1 (Administrative and General - Operation) and 402900
2 (Administrative and General - Maintenance) was
3 assigned based on the Administrative and General
4 ("A&G") study for Detail Account 920000
5 (Administrative and General Salaries). This study
6 determined that 7.50% was assigned to the Supply
7 Function, 1.92% was assigned to the Transmission
8 Function, 88.48% was assigned to the Distribution
9 Function, 1.39% was assigned to the Billing and
10 Payment Function, and 0.70% was assigned to the
11 Clearing Account Function (with the last 0.01%
12 representing rounding across the various Functions).

13 Q. Please explain the A&G Allocation.

14 A. A&G Expenses (Control Accounts 401900 and 402900)
15 were assigned to Corporate Management ("CM"),
16 Consumer Services ("CS"), or Operations, Engineering
17 and Mechanical ("OEM") based on departments. CM was
18 further divided into O&M and non-O&M based on the
19 O&M percentage. Detail Account 928 (Regulatory
20 Commission Expenses) was directly assigned to the
21 Distribution Function based on the March 24, 2003
22 Recommended Decision in Case 00-M-0504, at page 46.

1 The remainder of CM O&M was functionalized based on
2 non-A&G labor and non-A&G O&M expenses. CM non-O&M
3 and OEM were functionalized based on Production,
4 Transmission, and Distribution gross plant. CS was
5 functionalized 100% to the Clearing Account.

6 **Cost of Service - Distribution Mains Classification Study**

7 Q. Please describe the Mains Study as provided in the
8 Mains Customer/Demand Workpaper.

9 A. The first step in determining the allocation of
10 Distribution Mains (Plant Account 376) is the split
11 between Customer and Demand. The Company performed
12 a regression analysis, which determined that 58.56%
13 was customer related and 41.44% was demand related.
14 The regression analysis produced the zero intercept
15 point, based on the relationship between the radius
16 of the pipe size squared and the average cost per
17 foot. Specifically, the cost per foot for a
18 theoretical zero inch radius main was calculated to
19 be \$8.273172, and then this cost was multiplied by
20 the total footage of 50,379,672, in order to
21 determine the customer component of mains. This
22 resulted in \$416,799,688.91, which is 58.56% of the

1 total cost of \$711,725,996.67.

2 **Cost of Service - Service Class Allocation Studies**

3 Q. After costs were classified, how was the proper
4 allocation to the service classes determined?

5 A. The operational characteristics of each account were
6 reviewed to determine the appropriate allocation
7 methodology. For a number of these accounts,
8 special allocation studies were performed. These
9 accounts were Mains (Plant Account 376), Services
10 (Plant Account 380), Meter and Regulator ("M&R")
11 Stations (Plant Account 378), Meters (Plant Account
12 381), Cogeneration Facilities, Uncollectibles
13 Expense (Detail Account 904), Customer Service
14 Expense (Control Account 401800), and Sales
15 Promotion Programs (Control Account 401850).

16 Q. Please describe the Cogeneration study.

17 A. Mains (Plant Account 376) associated with current
18 cogeneration accounts represented \$1,300,116.57 of
19 original costs, based on the Company's asset
20 management system records. The depreciation expense
21 was calculated to be \$51,484.56 and the accumulated
22 reserve for depreciation was calculated to be

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1 (\$1,009,171.86).

2 Q. Please describe the remaining mains (Plant Account
3 376) study.

4 A. After the mains demand and customer split was
5 determined (described above), Plant Account 376 was
6 further analyzed for service class allocations into:
7 (1) mains associated with cogeneration, (2) mains
8 greater than or equal to four inch diameter pipe,
9 which were assigned to service classes based on
10 Factor #56 "Peak Day without Cogen," and (3) mains
11 below four inch diameter pipe, which were assigned
12 to service classes based on Factor #78 "Peak Day
13 Remaining Mains."

14 Q. How were the demand mains greater than or equal to
15 4" diameter determined in the Mains 4" Allocation
16 Workpaper?

17 A. The Company summarized footage and costs for
18 Distribution mains, by size, using information from
19 the Company's asset management system. Distribution
20 mains greater than or equal to 4" account for
21 19,956,952 feet of the total footage, or 49.02%.
22 These mains were then assigned to the service

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1 classes based on Factor #56 "Peak Day without
2 Cogen." The remaining mains were assigned to
3 service classes based on Factor #78 "Peak Day
4 Remaining Mains."

5 Q. Why do the non-cogeneration mains need to be
6 allocated differently by size?

7 A. The larger sized distribution mains provide feeder
8 service to smaller customers as well as direct
9 service to larger customers, thereby offering
10 service to all customers. Allocation Factor #56
11 "Peak Day without Cogen" uses peak day requirements
12 for all service classes, except cogeneration, to
13 allocate larger mains. Smaller-sized mains cannot
14 provide direct service to larger customers, and
15 larger customers do not use smaller mains as feeder
16 systems, therefore these mains are more
17 appropriately allocated to the smaller customers
18 only.

19 Q. Please describe the Services Allocation.

20 A. Total costs by size for Plant Account 380 were
21 derived using the Company's asset management system.
22 Total costs were allocated to the appropriate

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1 service classes using information (number of
2 services, by size and service class) from the
3 Company's service line system.

4 Q. Please describe the Meters Allocation.

5 A. The company owns meters in order to provide service
6 to customers. Using information available from
7 Company systems, the number of meters by service
8 class was determined. Meter costs were summarized
9 by meter size, using Plant Account 381 from the
10 asset management system. These costs were allocated
11 to the appropriate service class using the number of
12 owned meters by service class. Similarly, the
13 number of Pressure Compensated meters by service
14 class was obtained from Company records and the
15 average costs by meter type were applied to
16 determine the pressure compensated meter investment
17 by service class.

18 Q. Please explain the Industrial M&R study.

19 A. The asset management system was queried to determine
20 M&R station costs (Plant Account 385) by location.
21 The locations were then assigned to service classes
22 based upon current customer service class data. For

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1 M&R station locations that could not be directly
2 assigned to a service class, an allocation to all
3 classes (except cogeneration and residential
4 service) was completed.

5 Q. Please explain the Uncollectibles Allocation.

6 A. An analysis of write offs, for the twelve months
7 ended December 31, 2015, was performed to determine
8 the appropriate percentage by service class. The
9 Natural Gas Supply Service uncollectible factors
10 were based on SC 1 and SC 3 customer
11 classifications. The Delivery Service and Billing
12 and Payment Service uncollectible factors were based
13 on all customer classifications.

14 Q. Please describe the Customer Service Allocation.

15 A. Control Account 401800 provides customer-oriented
16 services, either with labor dollars or with other
17 O&M expenses. Management from the Company areas
18 responsible for these expenditures assigned costs to
19 service classes that benefit from these services.

20 Q. Please describe the Sales Promotion Allocation.

21 A. Similar to the Customer Service Allocation, Sales
22 Promotion activities (Control Account 401850) were

1 allocated to the customer classes benefitting from
2 these services.

3 Q. Have the results of these studies been included in
4 this rate proceeding?

5 A. Yes. The study results are included in the
6 Workpapers accompanying this panel testimony. It
7 should also be noted that a summary exhibit of
8 studies is included above in this panel testimony.

9 **Marginal Transmission and Distribution Cost**

10 Q. Please describe Exhibit___(COSRD-4), Schedule 1.

11 A. Exhibit___(COSRD-4), Schedule 1, provides the non-
12 gas transmission and distribution marginal cost
13 study.

14 Q. What is the definition of transmission and
15 distribution marginal non-gas cost?

16 A. Marginal non-gas cost is the cost of transmitting
17 and distributing an additional unit of gas.

18 Marginal transmission and distribution costs are the
19 costs associated with additions and modifications to
20 the transmission and distribution system
21 infrastructure that result from increased throughput
22 due to increased sales. This is the cost from the

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1 city gate to the customer, but does not include
2 costs for any equipment inside the customer's
3 premises. The transmission and distribution
4 marginal cost would apply to increased throughput
5 due to new attachments, as well as additional load
6 from existing customers due to an expansion of gas
7 use by existing customers.

8 Q. Please describe the calculation for the marginal
9 transmission and distribution cost in
10 Exhibit___(COSRD-4), Schedule 1.

11 A. Exhibit___(COSRD-4), Schedule 1, is a standard
12 analysis for calculating the unit rate per Mcf for
13 gas transmission and distribution marginal cost.
14 This is a traditional approach where there are
15 increases in system throughput along with associated
16 transmission and distribution plant additions. The
17 five year forecast period from October 2016 to
18 September 2021 is being used as a basis for the
19 calculation. The Rate Year (12 months ending March
20 31, 2018) would be included in this five year
21 forecast period.

22 Line 1 is the average annual investment in

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1 capital for the transmission and distribution system
2 for the five year period, fiscal 2017 through fiscal
3 2021, including services, mains and measuring
4 stations. Such capital costs were extracted from
5 the Company's five year Capital Expenditure Program.
6 The average capital investment was annualized by
7 applying a carrying charge of 14.10%, plus an
8 additional 2.70% in annual O&M, to line 1. The
9 total annualized cost on line 5 was then divided by
10 the projected increase in incremental annual
11 throughput (which was developed using information
12 from Exhibit___(VFP-1), Schedule 1), in order to
13 calculate the average marginal transmission and
14 distribution unit rate per Mcf.

15 Q. What is the conclusion from the transmission and
16 distribution marginal cost study, using the standard
17 method?

18 A. The standard method produced a unit rate of \$166.67
19 per Mcf, which is not a reasonable result by an
20 order of magnitude. The standard method effectively
21 assumes that all additions to plant result from
22 incremental volumetric demands on the system. This

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1 is an unreasonable assumption considering that the
2 majority of investment in facilities for the Company
3 is associated with replacing existing facilities to
4 meet existing demand. As an alternative to this
5 analysis, the Company has provided an additional
6 study.

7 Q. Please explain how the marginal cost of plant
8 required to serve customers was determined in this
9 alternative study.

10 A. As explained previously, utilizing typical marginal
11 cost calculations produces unreasonable results.
12 Therefore, a different approach is necessary in
13 order to estimate the marginal investment cost of
14 serving a customer.

15 This different approach involved analyzing a
16 sample of specific large system replacement jobs
17 performed by the Company from January 2015 to
18 December 2015. Larger system replacement jobs are
19 useful to analyze because specific mainline
20 replacement costs for a known quantity of customers
21 can be readily identified. The cost estimates
22 resulting from these large system replacement jobs

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1 tend to be conservative, since these projects allow
2 for a more efficient utilization of equipment and
3 crews due to project economies of scale. Also, the
4 Company has, for the most part, already acquired
5 right-of-ways for these projects.

6 Q. Please describe Exhibit___(COSRD-4), Schedule 2,
7 Pages 1 and 2.

8 A. Exhibit___(COSRD-4), Schedule 2, Page 2 is a
9 calculation for gas transmission and distribution
10 marginal cost based upon the ten largest projects
11 from January 2015 to December 2015 in the Company's
12 New York system. In the calculation, two jobs had
13 no services or customers associated with the
14 project, so only eight of the ten jobs were used.
15 The total cost, which includes the main
16 installation, main removal, and service costs, was
17 \$2,863,057 (line 4). This amount divided by the
18 amount of customers associated with these eight
19 projects results in a cost per customer of
20 \$3,619.54, as shown on line 6. The total number of
21 customers on our system is 515,148. The total
22 marginal cost applied to all customers is

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1 \$1,864,598,792 ($\$3,619.54 \times 515,148$), as shown on
2 line 8.

3 The total marginal cost of \$1,864,598,792 was
4 carried forward to Exhibit___(COSRD-4), Schedule 2,
5 Page 1, which was prepared using the same format as
6 Exhibit___(COSRD-4), Schedule 1. After applying the
7 carrying charge of 14.10% and the O&M percentage of
8 2.70%, the total annual cost is \$313,252,597, as
9 shown on line 5. Dividing line 5 by 102,040,018 Mcf
10 of throughput yields a marginal cost rate of \$3.0699
11 per Mcf. For comparison purposes, the Company has
12 included the Marginal Cost analysis from Case 07-G-
13 0141, to show the variance in the studies based on
14 the data used in the calculation (\$3.0699 per Mcf in
15 the current rate filing compares to \$5.6093 per Mcf
16 from Case 07-G-0141). Even though the results vary
17 from case to case, Distribution views this
18 calculation as a more reasonable approach for this
19 study, with results being more applicable for
20 conditions in the Company's service territory.

21 Q. What study is being used for marginal customer
22 costs?

1 A. For the purposes of this filing, the Company is
2 using the embedded customer cost as a surrogate for
3 marginal customer costs, as shown in
4 Exhibit___(COSRD-1), Schedule 5.

5 **Proposed Rate Design and Associated Tariff Changes**

6 Q. Please provide a general description of
7 Distribution's tariff service rates.

8 A. Distribution provides services to end use customers
9 and to energy service companies ("ESCO" or "ESCOs").

10 Services provided to end use customers fall
11 into two broad categories: (1) delivery services
12 and (2) gas supply services. These two broad
13 categories of services are billed to customers
14 through the unbundled charges reflected in
15 Distribution's tariff.

16 Services to ESCOs include a number of support
17 services that provide ESCOs with access to end use
18 customers on Distribution's system. These services
19 include balancing, billing and a variety of
20 administrative services. These services accommodate
21 the reliable delivery of ESCO supplies to
22 Distribution's system, which in turn are ultimately

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1 delivered to end use customers.

2 Q. Is Distribution proposing a new tariff?

3 A. Yes. The new tariff is described in greater detail
4 in the testimony of the Tariff Reorganization Panel.
5 However, for the purpose of this testimony,
6 references to existing service classification
7 numbers will be utilized herein. The testimony of
8 the Tariff Reorganization Panel will provide a
9 translation of existing service classifications to
10 proposed service classifications for reference
11 purposes. Their testimony will also describe in
12 detail the Company's initiative to modernize and
13 update its tariff, which if approved, would become
14 tariff volume number 9.

15 Q. Please provide a general description of the customer
16 rate classifications in the Company's tariff.

17 A. The Company provides unbundled services to the
18 following categories of customers: (1) residential,
19 (2) small, non-residential, (3) large, non-
20 residential, (4) end use based rate classifications,
21 and (5) ESCO and transportation customer services.
22 Exhibit___(COSRD-5) provides a summary of the

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1 Company's current tariff service classifications
2 within these five broad categories.

3 Q. What guidelines or criteria should be considered in
4 the design of gas utility rates?

5 A. The design of gas utility rates must, of course, be
6 just and reasonable and avoid undue discrimination.
7 Where rates need to be adjusted toward the
8 achievement of proper cost recovery, customer impact
9 considerations should be factored into the rate
10 design process.

11 Market conditions within the utility service
12 territory, related to the competitive environment
13 faced by the Company's customers, should also be
14 reviewed. Other factors that should be considered
15 in designing rates include: (1) pipeline bypass
16 competition from unregulated suppliers of natural
17 gas, (2) the prices of such alternative pipeline
18 bypass sources of gas relative to Distribution's
19 current and proposed rates, (3) the number of price
20 sensitive customers, and (4) the potential for load
21 loss due to customers switching to other suppliers
22 of natural gas. The loss of customers and gas

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1 volumes in the short-term (e.g., customers switching
2 to alternative fuels, customers switching to
3 alternative suppliers, or other market-based factors
4 such as the migration of production to more
5 competitive regions) can affect a gas utility's
6 ability to recover fully its fixed costs and can
7 reduce a gas utility's chances of earning the
8 allowed rate of return, as determined by a state
9 regulatory body. In the long-term, this can result
10 in increased rates for other customers.

11 Further, rates should provide financial and
12 earnings stability to Distribution. Toward this
13 goal, generally it is not a sound ratemaking
14 practice to provide for recovery of a substantial
15 portion of fixed costs, such as customer-related and
16 demand-related facility costs that bear no
17 relationship to customer gas consumption patterns,
18 in the rate block portion of the rate schedule. The
19 recovery of fixed costs through commodity rates
20 detracts from earnings stability because the
21 revenues generated from customers' volumetric use of
22 gas can be affected by an overall decline in usage

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1 per account (and thus subject to recovery from sales
2 volumes and revenues that have been declining over
3 the long run). However, with the currently
4 effective revenue decoupling mechanism ("RDM"), this
5 risk, absent the complete loss of the customer, is
6 largely mitigated. The recovery of fixed costs
7 through commodity rates can also be unfair to large
8 heating customers. These customers could be
9 burdened with providing revenue recovery of costs
10 incurred in order to provide service to small volume
11 customers, such as seasonal or recreational
12 residences. The fixed costs of providing delivery
13 services to any individual customer are significant.
14 If the majority of fixed costs are recovered through
15 volumetric rates, then the lower volume customers of
16 any rate class will tend to be subsidized by the
17 higher volume customers in the rate class. This is
18 a particular concern for low income payment troubled
19 customers residing in poor housing stock where their
20 usage significantly exceeds the average customer's
21 usage.

22 Q. How can cost of service study results provide

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1 guidelines for rate design?

2 A. Results of a class allocated cost of service study
3 provide cost guidelines that are useful in
4 evaluating class revenue levels and rate structures.
5 With regard to rate class revenue levels, the rate
6 of return results indicate where certain rate
7 classes are being charged rates that recover more or
8 less than their indicated cost of service. Using
9 the cost study, rate class revenue levels can be
10 brought closer in line with the indicated costs of
11 service. This results in the movement of rate class
12 rates of return toward the system average rate of
13 return, as well as rates that are more in line with
14 the cost of providing service. With respect to the
15 cost justification of rates within each rate class,
16 the classified costs (as allocated to each class of
17 service in the cost study), provide cost information
18 that can be of assistance in determining the need
19 for changes in the relative levels of demand,
20 customer and commodity rate block charges.

21 Q. How are guidelines or criteria, such as the ones
22 just mentioned, generally incorporated into the rate

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1 design process?

2 A. The rate design process, which includes both the
3 appointment of revenues to be recovered among
4 customer classes and the determination of rate
5 structures within customer classes, consists of
6 finding a reasonable balance between the various
7 criteria or guidelines that relate to the design of
8 utility rates. Economic, regulatory, historical and
9 social factors all enter into the process.

10 Exhibit___(COSRD-6) further clarifies this by
11 providing criteria of a sound rate structure, which
12 are comprised of revenue-related, cost-related and
13 practical-related attributes to consider as part of
14 the rate design process.

15 In summary, both quantitative and qualitative
16 information are evaluated before reaching a final
17 rate design determination. Of necessity then, the
18 rate design process has to be, in part, influenced
19 by judgmental evaluations.

20 Q. What changes are being proposed to the Company's
21 tariff service rates?

22 A. Generally, the Company is proposing changes to rates

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1 that include changes to delivery charges and changes
2 to the services provided to ESCOs.

3 Q. Is Distribution proposing changes to the base cost
4 of gas Reserve Capacity Rate in this proceeding?

5 A. No. The Company is, however, proposing an
6 adjustment to the reserve capacity cost rate
7 calculation based on an analysis that is provided in
8 Exhibit___(COSRD-7). This proposed adjustment would
9 be effectuated in Distribution's monthly Reserve
10 Capacity Cost Adjustment Statement. The basis for
11 the change to capacity included in this monthly
12 statement is described further in the testimony of
13 the Gas Supply Administration Panel and in
14 Exhibit___(GSA-5).

15 Q. How were the final proposed rates calculated?

16 A. The final proposed rates were calculated using the
17 methodology that is presented in
18 Exhibit___(COSRD-8). The rate design process, which
19 ultimately derived the final proposed rates,
20 proceeded along the nine steps summarized in this
21 exhibit.

22 Q. Please describe the first step of the rate design

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1 process.

2 A. The first step documented in Exhibit___(COSRD-8)
3 allocates the revenue requirement increase to the
4 service classifications based on each service
5 classification's proportion of non-gas cost revenue.

6 Q. Please describe the second step of the rate design
7 process.

8 A. The second step documented in Exhibit___(COSRD-8)
9 reflects the impact on Company revenue from
10 resetting the revenue decoupling mechanism target,
11 the symmetrical sharing target, and the merchant
12 function charge reconciliation target. Resetting
13 these tracking mechanisms results in a \$3,999,352
14 decrease, a \$2,200,303 decrease, and a \$2,345,031
15 increase, respectively, to the proposed overall
16 revenue recovered in base rates.

17 Q. Please describe the third step of the rate design
18 process.

19 A. The third step documented in Exhibit___(COSRD-8)
20 considers the impact of proposed enhancements to the
21 Company's low income program, which is described in
22 greater detail in the Customer Service Panel

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1 testimony. The proposed enhancements result in a
2 \$4,694,114 increase to proposed rates.

3 Q. Please describe the fourth step of the rate design
4 process.

5 A. The fourth step documented in Exhibit___(COSRD-8)
6 accounts for proposed changes to the Company's
7 billing charge. Distribution is proposing to reduce
8 the billing charge by 3 cents for all customer
9 classes. This results in an increase to the
10 proposed overall revenue recovered through other
11 base rates, with a \$177,876 impact on proposed
12 rates.

13 The billing charge to be included in the
14 minimum charges for all customers that the Company
15 renders a bill to is proposed to decrease by \$0.03
16 per bill, from the current rate of \$1.07 per bill to
17 \$1.04 per bill.

18 Lines (1) through (9) of Exhibit___(COSRD-9)
19 provide a calculation of the unbundled billing
20 charge. The basis for the calculation of the
21 billing charge is the unbundled cost of service
22 study results for billing services. The unbundled

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1 billing charge is designed to provide the system
2 average 7.81% rate of return on the rate base
3 determined to support the billing service function.
4 The unbundled billing charge was determined by
5 dividing the total unbundled billing costs by the
6 total amount of customer bills projected to be
7 rendered by the Company for the 12 months ended
8 March 2018. As shown on line (9) of
9 Exhibit___(COSRD-9), the decrease to the billing
10 charge is \$0.03 per bill.

11 Q. Please describe the fifth step of the rate design
12 process.

13 A. The fifth step documented in Exhibit___(COSRD-8)
14 makes modifications to the Supply Charge and Records
15 and Collection Charge from Distribution's Merchant
16 Function Charge Statement. These modifications
17 result in a proposed decrease of \$3,259,972, to be
18 recovered through other base rate charges.

19 Exhibit___(COSRD-10) provides the calculation
20 of the unbundled merchant function charge for the
21 Supply and Records and Collection components. The
22 basis for the calculation is the unbundled cost of

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1 service study results for natural gas supply.
2 Distribution is proposing to combine the Supply and
3 Records and Collection components into one rate,
4 which would be applied to all residential and small
5 non-residential service classification sales
6 volumes. Based on the calculation provided in
7 Exhibit___(COSRD-10), the rate would be \$0.31777 per
8 Mcf.

9 Exhibit___(COSRD-15) summarizes the current and
10 proposed supply and records and collection cost
11 charges. As mentioned previously, present rates
12 break out supply procurement and records and
13 collection charges separately, by cost component and
14 by residential and non-residential customer classes.
15 The costs allocated to these classes are reconciled
16 separately by class.

17 Due to a greater proportion of non-residential
18 customers migrating to transportation service, when
19 compared to residential customers, the non-
20 residential reconciliation rates nearly equal the
21 base rates for this class of customers. This method
22 of reconciliation has the potential to lead to

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1 absurd results. For example, should more and more
2 non-residential customers migrate from sales
3 service, the reconciliation rate would grow higher
4 and higher, with the last remaining non-residential
5 customer on sales service facing a \$2,110,725
6 reconciliation rate cost. The cost of service study
7 already is signaling an unusually high rate of
8 return for non-residential gas supply service of
9 176.24% at current rates.

10 Under the Company's proposal to roll all supply
11 procurement and records and collection costs into a
12 single rate, the potential "death spiral"
13 reconciliation rate (described above) is avoided.
14 In addition, the rate of return for non-residential
15 gas supply service would drop from 176.24% at
16 current rates, to 43.56% at proposed rates.

17 Q. Please describe the sixth step of the rate design
18 process.

19 A. The sixth step documented in Exhibit ___ (COSRD-8)
20 accounts for a change in the Uncollectible Charge
21 from Distribution's Merchant Function Charge
22 Statement. Specifically, the residential and non-

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1 residential uncollectible percentages were updated
2 by dividing the supply portion of uncollectibles
3 into the supply portion of total operating revenues.
4 Updating the Uncollectible Charge increases rates to
5 be recovered through other base rate charges by
6 \$1,848,160.

7 The uncollectible percentages are provided in
8 Exhibit___(COSRD-16). For residential service, the
9 uncollectible percentage in the merchant function
10 charge will change from 2.83185% to 1.83690%. For
11 non-residential service, the uncollectible
12 percentage in the merchant function charge will
13 change from 0.40231% to 0.44130%.

14 Q. Does Exhibit___(COSRD-16) also provide the Company's
15 proposed purchase of receivable ("POR") discount
16 rate?

17 A. Yes. The Company is proposing to maintain the
18 current POR rates for residential and non-
19 residential service. Based on line 7 of
20 Exhibit___(COSRD-16), the cost of service study
21 results would indicate that a much higher POR
22 discount rate would be justified. However, such a

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1 dramatic increase in POR discount rates would not be
2 consistent with the gradualism concept of rate
3 design. Therefore, the Company is proposing to hold
4 the POR discount rate at current levels and
5 gradually move the implied records and collection
6 contribution towards a more cost-based result.

7 Q. Are you proposing any changes to the storage
8 inventory carrying charges included in the merchant
9 function charge?

10 A. No. The storage inventory carrying charges are
11 excluded from the determination of revenue
12 requirement and are effectively tracked separately.
13 The Company proposes to continue to reconcile any
14 differences in the actual storage inventory carrying
15 charges, with those included in base rates, on an
16 annual basis.

17 Q. Please describe the seventh step of the rate design
18 process.

19 A. The seventh step documented in Exhibit___(COSRD-8)
20 calculates a sub-total of steps one through six of
21 the rate design process, which are described above.
22 The \$39,955,744 shown in Exhibit___(COSRD-8) was

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1 derived as follows: \$40,350,189 - \$3,999,352 -
2 \$2,200,303 + \$2,345,031 + \$4,694,114 + \$177,876 -
3 \$3,259,972 + \$1,848,160. Creating a sub-total in
4 step 7 will help facilitate step 8 of the rate
5 design process.

6 Q. Please describe the eighth step of the rate design
7 process.

8 A. The eighth step documented in Exhibit___(COSRD-8)
9 applies the revenue adjustment factor, to the sub-
10 total that was derived in step 7 of the rate design
11 process, for the residential and small non-
12 residential service classifications. The revenue
13 adjustment factor is explained in the direct
14 testimony of Jeremy R. Barber. For the residential
15 service classifications, a revenue adjustment factor
16 of -0.084962% was applied to the sub-total of
17 \$31,664,137, which results in a \$26,903 decrease in
18 proposed rates. For the small non-residential
19 service classifications, a revenue adjustment factor
20 of -0.310128% was applied to the sub-total of
21 \$4,814,807, which results in a \$14,932 decrease in
22 proposed rates. In total, the revenue adjustment

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1 factor decreases rates to be recovered through other
2 base rate charges by \$41,835.

3 Q. Please describe the ninth step of the rate design
4 process.

5 A. The ninth step documented in Exhibit___(COSRD-8)
6 combines the results of steps 7 and 8, both of which
7 are described above. This step adds the impact of
8 the revenue adjustment factor to the sub-total that
9 was derived earlier in the rate design process. The
10 result of step 9 represents Distribution's final
11 proposed rates, to be recovered through changes in
12 the minimum charges and volumetric delivery rate
13 blocks.

14 Q. Please describe how the minimum charge and
15 volumetric block rates were determined.

16 A. For Residential Service Classification Nos. 1 and 2,
17 Distribution recommends recovering 75% of the
18 proposed increase in revenues through increases to
19 the minimum charge and 25% of the proposed increase
20 in revenues through the volumetric block rates. For
21 Service Classification No. 3, Distribution
22 recommends recovering 50% of the proposed increase

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1 in revenues through increases to the minimum charge
2 and 50% of the proposed increase in revenues through
3 the volumetric block rates. For Service
4 Classification No. 13 (TC-1.0, TC-2.0, TC-3.0, TC-
5 4.0, and TC-4.1), Distribution recommends recovering
6 100% of the proposed increase in revenues through
7 the volumetric block rates.

8 A summary of current and proposed rates by
9 service classification, including revenue impacts
10 and unit rates, has been provided in
11 Exhibit____(COSRD-13).

12 Q. Can you provide a summary of proposed changes by
13 tariff service classification?

14 A. Yes. The summary provided will group each service
15 classification into the five broad categories of
16 services described above: (1) residential, (2)
17 small, non-residential, (3) large, non-residential,
18 (4) end use based rate classifications, and (5) ESCO
19 and transportation customer services. A summary of
20 current and proposed rates has been provided in
21 Exhibit____(COSRD-13).

22 Q. Please provide a summary of the residential service

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1 classifications.

2 A. The service classifications for residential
3 customers are summarized in Exhibit___ (COSRD-5).
4 Service Classification No. 1 is the residential
5 service classification. The charges under Service
6 Classification No. 1 are unbundled into two
7 categories: (1) monthly delivery service rates, and
8 (2) Company-provided monthly gas cost supply rates.
9 All residential customers (with the exception of
10 residential customers receiving service through low
11 income rate schedules) receive delivery service
12 through Service Classification No. 1. Residential
13 customers have the choice of receiving monthly gas
14 supply services from Distribution or a qualified
15 ESCO. If the customer chooses to receive monthly
16 gas supply service from an ESCO, the monthly gas
17 supply charge included in Service Classification No.
18 1 is not billed to the customer. The delivery
19 service rate charges for Service Classification No.
20 1 have been provided in the Workpapers accompanying
21 Exhibit___ (COSRD-8).

22 Service Classification No. 2 is the Company's

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1 HEAP Residential Assistance Service ("HRAS").
2 Customers receiving this residential service have
3 received a payment under the federal Home Energy
4 Assistance Program in the current or immediately
5 prior HEAP Plan Year and do not take service under
6 Service Classification Nos. 2A or 2B, which will be
7 described herein. As described in the Customer
8 Service Panel testimony for this proceeding, the
9 Company is proposing to continue the HRAS service,
10 but extend the monthly discount for an additional
11 three months, from five to eight months. The impact
12 of this proposal has been incorporated into the
13 third step of the rate design process.

14 Service Classification No. 2A is the Company's
15 Elderly, Blind or Disabled ("EBD") Payment-Troubled
16 Residential Assistance Service ("PTRA"). As
17 described in the Customer Service Panel testimony,
18 the EBD PTRA program is a legacy program with a
19 limited number of program participants and the
20 Company is proposing to eliminate the program.
21 Distribution proposes to transfer these customer
22 accounts to Service Classification No. 2, where they

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1 will continue to receive a discount on their gas
2 utility bills. In addition, Distribution is
3 proposing an additional credit for these customers
4 in an effort to facilitate an effective transition
5 to a new rate class for these customers. The impact
6 of this proposal has been incorporated into the
7 third step of the rate design process.

8 Service Classification No. 2B is the Company's
9 Low Income Customer Affordability Assistance Program
10 ("LICAAP"). As described in the Customer Service
11 Panel testimony, Distribution's LICAAP program is a
12 targeted program which provides a higher level of
13 benefit to a subset of low income, payment-troubled
14 customers that have a greater need. It provides an
15 affordable gas utility bill to households, based on
16 household income and the number of residents living
17 in the home. The Company is proposing that LICAAP
18 customers that have completed the necessary
19 arrearage forgiveness eligibility period of the
20 program be moved to the broad-based HRAS discount
21 service described above. This proposal is outlined
22 in greater detail in the Customer Service Panel

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1 testimony. The impact of this proposal has been
2 incorporated into the third step of the rate design
3 process.

4 Q. Please describe the Company's low income program
5 reconciliation proposal.

6 A. Distribution is proposing an annual reconciliation
7 mechanism, which is described in greater detail
8 below. The reconciliation period for this mechanism
9 will be the twelve months ended March and the
10 surcharge period will be from July 1 through June
11 30.

12 Q. How is the Company proposing to fund its low income
13 programs?

14 A. The Company has included \$10,694,114 in the revenue
15 requirement to fund its proposed low income program.
16 The Company is also proposing an annual
17 reconciliation mechanism to track and refund, or
18 recover actual low income program costs, which
19 differ from the amount imputed in the revenue
20 requirement established in this case. The
21 difference between actual low income spending and
22 the amount imputed in the revenue requirement will

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1 be calculated and recovered/refunded based on an
2 adjustment to the volumetric rate of residential
3 customers.

4 Q. Please provide a summary of the small non-
5 residential service classifications.

6 A. Service Classification No. 3 is the general service
7 classification for non-residential customers.
8 Similar to Service Classification No. 1, the charges
9 under Service Classification No. 3 are unbundled
10 into two categories: (1) monthly delivery service
11 rates, and (2) Company-provided monthly gas cost
12 supply rates. The delivery service rate charges for
13 Service Classification No. 3 have been provided in
14 Exhibit___(COSRD-13).

15 Q. Please describe the large non-residential service
16 classifications.

17 A. Delivery service to large non-residential customers
18 is currently provided through Service Classification
19 Nos. 13D and 13M. Large non-residential customers
20 have an annual consumption greater than 5,000 Mcf
21 per year. Large non-residential customers are
22 further subdivided into the following categories:

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- 1 (1) SC 13, TC 1.1 - total annual throughput
2 between 5,000 and 25,000 Mcf per year;
3 (2) SC 13, TC 2.0 - total annual throughput
4 between 25,000 and 55,000 Mcf per year;
5 (3) SC 13, TC 3.0 - total annual throughput
6 between 55,000 and 150,000 Mcf per year;
7 (4) SC 13, TC 4.0 - industrial customers with a
8 total annual throughput greater than 150,000
9 Mcf per year; and
10 (5) SC 13, TC 4.1 - non-industrial customers
11 with a total annual throughput greater than
12 150,000 Mcf per year.

13 The delivery service rate charges for these service
14 classifications have been provided in
15 Exhibit___(COSRD-13).

16 Q. Please provide a summary of changes proposed for the
17 end use based service classifications.

18 A. Exhibit___(COSRD-14), Schedule 1, provides a summary
19 of changes for end use based service
20 classifications. The rates for these service
21 classifications have been modified based on the
22 proposed changes being made to Service

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1 Classification Nos. 3 and 13.

2 Q. Has the Company proposed any rate changes for
3 Service Classification No. 4?

4 A. Yes. Service Classification No. 4 rates, which are
5 based on rate components of the Service
6 Classification No. 3 and Service Classification No.
7 13 (TC-1 and TC-2), have been updated to reflect the
8 proposed rate changes in these service
9 classifications. The development of Service
10 Classification No. 4 rates is provided in
11 Exhibit___(COSRD-14), Schedule 2.

12 Q. Has the Company proposed any rate changes for
13 Service Classification No. 5?

14 A. Yes. Service Classification No. 5 rates, which are
15 based on rate components of Service Classification
16 No. 13 (TC-3, TC-4 and TC-4.1), have been updated to
17 reflect the proposed rate changes in these service
18 classifications. The development of Service
19 Classification No. 5 rates is provided in
20 Exhibit___(COSRD-14), Schedule 3.

21 Q. Please describe the proposed rate changes for
22 Service Classification No. 7.

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1 A. Exhibit___(COSRD-14), Schedule 4 depicts the
2 methodology utilized to develop the floor and
3 ceiling natural gas vehicle rates ("NGV") for
4 Service Classification No. 7.

5 Q. Please describe Service Classification No. 8.

6 A. Service Classification No. 8 was approved by the
7 Commission in Case 90-G-0734. Service
8 Classification No. 8 is applicable to non-
9 residential customers that use gas directly for
10 natural gas-fueled air conditioning equipment.
11 Service Classification No. 8 is a seasonal rate,
12 with one set of base rates in effect for the summer
13 months (May through September - the months with
14 historically significant cooling degree days), and
15 another set of base rates in effect for the
16 remaining non-summer months of the year. For the
17 summer months, the minimum charge for the first
18 1,000 cubic feet, or less, is equivalent to the
19 minimum charge for Service Classification No. 3.
20 All consumption over 1,000 cubic feet is equivalent
21 to the base commodity cost of gas plus the commodity
22 margin of the Service Classification No. 5 rate.

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1 For the non-summer months, the proposed Service
2 Classification No. 8 rate is equal to the Service
3 Classification No. 3 rate.

4 Q. Please describe the development of the summer month
5 rate for all consumption over 1,000 cubic feet for
6 Service Classification No. 8.

7 A. As outlined in Exhibit___(COSRD-14), Schedule 5, the
8 base commodity cost of gas for Service
9 Classification No. 3 (i.e., \$0.18730) is added to
10 the commodity margin for Service Classification No.
11 5 (i.e., \$0.14250). The resulting rate that is
12 derived is \$0.32980 ($\$0.18730 + \0.14250).

13 Q. Please describe the development of proposed rates
14 for Service Classification No. 9.

15 A. Service Classification No. 9, the small cogeneration
16 sales service rate, is applicable to customers'
17 consumption of natural gas, when the gas is used
18 directly in natural gas-fueled cogeneration
19 equipment. The rate derivation for this service
20 classification is provided in Exhibit___(COSRD-14),
21 Schedule 6.

22 Q. Has the Company proposed any rate changes for

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1 Service Classification Nos. 23 and 24?

2 A. Yes. Service Classification No. 23, which
3 represents the non-residential distributed
4 generation ("DG") service rate, is applicable to a
5 non-residential customers' consumption of natural
6 gas, where the gas is used directly for DG less than
7 50 megawatts. The customer is anticipated to
8 maintain a load factor of 50% or greater for the DG
9 facilities receiving service under this rate.

10 Service Classification No. 24, which represents the
11 residential DG service rate, is applicable to a
12 residential customer's consumption of natural gas,
13 where the gas is used directly for DG applications.
14 The rate derivation for both of these service
15 classifications is provided in Exhibit____(COSRD-14),
16 Schedule 7, and Exhibit____(COSRD-14), Schedule 8,
17 respectively.

18 Q. Please explain how the Company's current business
19 development and economic development zone rates were
20 adjusted to reflect the Company's proposed change in
21 revenues.

22 A. The business development rates and economic

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1 development zone/Excelsior rates, applicable to
2 Service Classification Nos. 3 and 13, were adjusted
3 by applying the same percentage that was used to
4 establish the rate discounts in each service class
5 to the appropriate proposed unit rates (exclusive of
6 the base cost of gas). This methodology was
7 previously approved by the Commission.

8 Exhibit___(COSRD-13) includes a summary of the
9 business development and economic development zone
10 rate discounts for Service Classification Nos. 3 and
11 13.

12 Q. Has a comparison been performed which compares the
13 effect of the proposed rates on customer retail and
14 transportation bills?

15 A. Yes. Exhibit___(COSRD-11) presents a comparison of
16 gas bills at various consumption levels under
17 current and proposed rates for Service
18 Classification Nos. 1, 2, 2A, 2B, 3 and 13,
19 respectively.

20 Pages 6 through 10 of Exhibit___(COSRD-11)
21 provides the current and proposed rates for TC 1.1,
22 TC 2.0, TC 3.0, TC 4.0 and TC 4.1, respectively.

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1 The proposed rates for the various TC categories
2 include an estimated gas supply rate of \$0.462673
3 per Ccf in the last column in order to make the
4 overall impact analysis similar to that provided for
5 sales customers.

6 Exhibit___(COSRD-17) contains the impact of
7 proposed gas rates, and summarizes (by service
8 classification) the number of bills, rate year sales
9 volumes, revenues at current rates, and revenues at
10 proposed rates.

11 Q. Please describe the Company's PSC audit and
12 assessment proposal.

13 A. Distribution is proposing to implement a mechanism
14 to track the differences between what is imputed in
15 rates for the PSC audits and assessments, and the
16 actual costs incurred, on an annual basis.

17 As described in greater detail in the direct
18 testimony of Ruth M. Friedrich-Alf, there is an
19 initial PSC assessment in January of each year, a
20 true up in August and a final assessment in October.
21 The base amount included in the rate year for this
22 filing is \$2,370,000. Also as described in greater

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1 detail in the direct testimonies of Evan M. Crahen
2 and Ruth M. Friedrich-Alf, Section 66(19) of the
3 Public Service Law gives the Commission the
4 authority to conduct comprehensive management
5 audits. The base amount included in the rate year
6 for this filing is \$837,979, which was derived from
7 the Company's most recent management audit.

8 Q. How is the Company proposing to reconcile the
9 assessment and audit costs?

10 A. The Company has included \$3,208,000 in the revenue
11 requirement for regulatory assessment and audit
12 costs. The difference between the actual spending
13 for regulatory assessments and audit, and the
14 imputed amount in rates of \$3,208,000, will be
15 determined for the twelve month period ending March
16 31. This difference will be refunded or surcharged
17 to all non-negotiated customers on a unit rate per
18 Mcf basis (utilizing forecasted volumes).

19 Q. Please describe the Company's system upgrade and
20 modernization proposal.

21 A. Distribution is proposing a system upgrade and
22 modernization tracking mechanism. This mechanism

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1 will allow for the recovery of carrying costs
2 associated with the replacement of Leak Prone Pipe
3 ("LPP") above the targeted amounts planned to be
4 replaced, as reflected in the capital spending
5 budget presented in the direct testimony of Kevin D.
6 House.

7 Exhibit___(COSRD-12) provides a sample
8 calculation for the LPP itemization, which provides
9 an illustrative example of how the dollar amount for
10 cost recovery would be calculated. Referring to
11 line 6, on page 1 of Exhibit___(COSRD-12), the
12 dollar amount of LPP plant carrying costs that would
13 be authorized for cost recovery is outlined for the
14 twelve months ended March 2018, March 2019 and March
15 2020, respectively. As more fully demonstrated in
16 Exhibit___(COSRD-12), the sample calculation also
17 includes a 200 basis point repeating, cumulative
18 incentive for the Company to accelerate its LPP
19 replacement initiatives. The authorization of cost
20 recovery for the acceleration of Distribution's LPP
21 Replacement Program is consistent with Commission
22 policy objectives and enunciated goals, as set forth

1 in Case 15-G-0151.

2 In addition to LPP replacement, the tracking
3 mechanism would permit the recovery of Commission
4 authorized expenditures designed to meet state
5 energy goals. In the long-term, Distribution
6 envisions that the system upgrade and modernization
7 tracking mechanism could also provide cost recovery
8 for Reforming the Energy Vision ("REV") Proceeding
9 (Case 14-M-0101) policy or business initiatives that
10 are approved by the Commission. While the vast
11 majority of the REV Proceeding is focused on
12 reforming the retail electric industry,
13 Distribution's energy efficiency portfolio and
14 certain non-energy efficiency projects and programs
15 could reasonably be seen as advancing REV Proceeding
16 policy objectives, where it practically makes sense
17 for natural gas customers.

18 As a natural gas only utility, Distribution
19 would not be serving in the capacity of a
20 distributed service platform provider ("DSPP"), as
21 gas utilities should not be involved in dispatching
22 various distributed energy resource ("DER")

1 technologies on the electric grid. There are,
2 however, opportunities for natural gas utilities to
3 coordinate on electric or multi-fuel projects (in
4 coordination with businesses, market actors, DER
5 providers, peer utilities, the New York State Energy
6 Research and Development Authority, etc.), develop
7 natural gas solutions in order to facilitate
8 electric peak demand reductions (e.g., microgrids),
9 to serve as a primary fuel for electric generation
10 (e.g., distributed generation and micro-combined
11 heat and power), or to serve as a backstop fuel for
12 renewable technologies that could potentially become
13 intermittent from a reliability perspective (again,
14 e.g., distributed generation and micro-combined heat
15 and power, including community aggregation
16 initiatives), among others. This is described in
17 greater detail in the direct testimony and
18 accompanying exhibits of the Energy Services Panel.

19 In the long-term, the system upgrade and
20 modernization tracking mechanism could be used to
21 support the expansion of advanced metering
22 capabilities, or technological enhancements to

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1 electronic data interchange ("EDI") or related
2 systems in order to further customer engagement
3 initiatives or ensure for the meaningful provision
4 of data, in a secure manner, to ESCOs or DER
5 providers. It should be stressed that the projects
6 identified in this paragraph are presented solely as
7 illustrative examples of items that could reasonably
8 be included in the system upgrade and modernization
9 tracking mechanism for cost recovery purposes.
10 These illustrative examples do not represent
11 projects underway or solutions Distribution is
12 readily endorsing at this time.

13 To the extent REV Proceeding system upgrade or
14 modernization initiatives are mandated by the
15 Commission, and those mandated initiatives are
16 applied to the natural gas industry, Distribution
17 shall be permitted to include such mandated
18 initiatives in the tracking mechanism without the
19 need for further Commission approval. The Company
20 would prepare a schedule that identifies specific
21 items (and associated dollar amounts) for cost
22 recovery and inclusion in the tracking mechanism.

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1 This schedule would be filed publically with the
2 Commission. This would help expedite the
3 implementation, and furtherance, of such REV
4 initiatives. However, to the extent Distribution
5 believes other non-mandatory REV Proceeding system
6 upgrade or modernization initiatives would be
7 beneficial to its ratepayers, and Distribution
8 chooses to voluntarily implement such initiatives,
9 Distribution would file a letter requesting that the
10 Commission approve the inclusion of such voluntary
11 REV-related initiatives in the Company's tracking
12 mechanism. Accompanying the letter filing would be
13 a schedule that identifies specific items (and
14 associated dollar amounts) for cost recovery and
15 inclusion in the tracking mechanism.

16 It should also be noted that Distribution
17 proposes to utilize the tracking mechanism to fully
18 recover costs associated with any state or federally
19 mandated safety requirements. To the extent that
20 mandated, additional safety requirements are newly
21 developed, or it is mandated that existing safety
22 requirements be further modified (by the Commission

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1 or any federal regulatory agency), Distribution
2 shall be permitted to include such mandated
3 initiatives in the tracking mechanism without the
4 need for further Commission approval. The Company
5 would prepare a schedule that identifies specific
6 items (and associated dollar amounts) for cost
7 recovery and inclusion in the tracking mechanism.
8 This schedule would be filed publically with the
9 Commission. This would help expedite the
10 implementation, and furtherance, of such safety
11 initiatives. However, to the extent Distribution
12 believes other non-mandatory safety initiatives
13 would be beneficial to its ratepayers, and
14 Distribution chooses to voluntarily implement such
15 initiatives, Distribution would file a letter
16 requesting that the Commission approve the inclusion
17 of such voluntary safety initiatives in the
18 Company's tracking mechanism. Accompanying the
19 letter filing would be a schedule that identifies
20 specific items (and associated dollar amounts) for
21 cost recovery and inclusion in the tracking
22 mechanism.

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1 Q. Please describe the Company's off-system sales and
2 capacity release proposal.

3 A. In accordance with the most recent Joint Proposal in
4 Case 13-G-0136, \$750,000 of off-system sales and
5 capacity release proceeds fund the Gas Network
6 Enhancement Program (referred to as the Gas
7 Expansion Plan in the Joint Proposal) and \$250,000
8 of off-system sales and capacity release proceeds
9 currently fund the Area Development Program. These
10 programs are described in detail in the testimony
11 and accompanying exhibits of the Energy Services
12 Panel.

13 As described in the direct testimony of Ruth M.
14 Friedrich-Alf, Distribution has included the
15 \$250,000 associated with the Area Development
16 Program in the Company's revenue requirement. As a
17 result, at this time, the Company is proposing to
18 discontinue funding the Area Development Program
19 from off-system sales and capacity release proceeds.

20 Distribution is proposing to continue funding
21 the Gas Network Enhancement Program at the current
22 level of \$750,000 per year, using off-system sales

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1 and capacity release proceeds as the funding source.
2 When remaining off-system sales and capacity release
3 proceeds (i.e., the total proceeds less the \$750,000
4 described above) become available for sharing,
5 Distribution would continue the existing practice of
6 retaining 15% of remaining proceeds for shareholder
7 benefit.

8 As part of the system upgrade and modernization
9 tracking mechanism described above, Distribution is
10 proposing to defer the dollar amount of LPP plant
11 carrying costs that would be authorized for cost
12 recovery.

13 The ratepayer share of the off-system sales and
14 capacity release proceeds would first be utilized to
15 eliminate any deferral balances accumulated from the
16 system upgrade and modernization tracking mechanism.
17 Any remaining balance for the ratepayer share of
18 off-system sales and capacity release would be
19 refunded to customers.

20 Q. Does this conclude your panel testimony?

21 A. Yes, at this time.