

Large Filing Separator Sheet

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07-830-GA-ALT
07-831-GA-AAM

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BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to	)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval of	)	Case No. 07-830-GA-ALT
an Alternative Rate Plan for its Gas)	
Distribution Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

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OF
DOMINION EAST OHIO

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Witness	Schedule sponsored	Subject of Schedule
Jeffrey A. Murphy		<i>Mr. Murphy's testimony describes the Company and its operations and the factors related to the request for an increase in rates. His testimony also summarizes the major issues and proposals addressed in DEO's Application, including the Company's request to implement an alternative rate plan.</i>
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Witness	Schedule sponsored	Subject of Schedule
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	C-13	Analysis of reserve for uncollectible accounts
	D-5	Comparative financial data
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Witness	Schedule sponsored	Subject of Schedule
Sylvia P. Green		<i>Ms. Green's testimony concerns the value of DEO's plant in service, as well as depreciation-related matters.</i>
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	B-3.3	Depreciation reserve, accruals, retirements, and transfers
	B-3.4	Depreciation reserve and expense for lease property

Witness	Schedule sponsored	Subject of Schedule
Robert D. Taylor		<i>Mr. Taylor's testimony concerns tax-related rate base items and operating income issues.</i>
	B-6	Other rate base items summary (tax related)
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Witness	Schedule sponsored	Subject of Schedule
Larry J. Rice		<i>Mr. Rice's testimony concerns DEO's annual operating revenue at current and proposed rates.</i>
	E-4	Class and schedule revenue summary
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Witness	Schedule sponsored	Subject of Schedule
Cliff Andrews		<i>Mr. Andrews' testimony concerns DEO's class cost of service study.</i>
	E-3.2	Cost of service study

Witness	Schedule sponsored	Subject of Schedule
Ronald Edelstein		<i>Mr. Edelstein's testimony concerns proposed operations and maintenance expenses to fund research and development programs.</i>
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Witness	Schedule sponsored	Subject of Schedule
Daniel M. Ives		<i>Mr. Ives' testimony concerns the Company's proposed treatment of pension-related expenses and assets.</i>
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Witness	Schedule sponsored	Subject of Schedule
Michael J. Vilbert		<i>Mr. Vilbert's testimony concerns the Company's cost of capital and requested rate of return.</i>
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	PCD-3	Embedded cost of long-term debt (parent company)
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**DIRECT TESTIMONY OF
JEFFREY A. MURPHY
ON BEHALF OF
DOMINION EAST OHIO**

<u>X</u>	Management policies, practice and organization
<u>X</u>	Operating income
<u>X</u>	Rate base
—	Allocations
—	Rate of return
<u>X</u>	Rates and tariffs
—	Other

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Direct Testimony of

Jeffrey A. Murphy

I. WITNESS IDENTIFICATION AND BACKGROUND

Q1. Please state your name, occupation and business address.

A1. My name is Jeffrey A. Murphy. I am employed by The East Ohio Gas Company d/b/a Dominion East Ohio ("DEO" or "Company") as its Director, Pricing and Regulatory Affairs. My business address is 1201 East 55th Street, Cleveland, Ohio 44103-1028.

Q2. Please summarize your education and work experience.

A2. I graduated from The University of Akron in 1980 with a Bachelor of Arts in Economics and in 1981 with a Master of Arts in Economics with a concentration in Quantitative Methods. In 1988, I graduated from Baldwin Wallace College with an Executive Masters of Business Administration with a focus on Systems Management. I joined the Babcock & Wilcox Company in 1981 and held various positions involving econometric forecasting, cost analysis and pricing. In 1986, I joined The East Ohio Gas Company (now DEO) and have since held a variety of positions in the planning, rates, financial analysis, gas supply and transportation services areas. I have also served as a part-time faculty member of The University of Akron in the Department of Economics.

Q3. Please summarize your responsibilities as Director, Pricing and Regulatory Affairs.

A3. My present duties include oversight of DEO's regulatory affairs and transportation services. In overseeing the Company's regulatory affairs, I am responsible for all of DEO's regulatory filings before the Public Utilities Commission of Ohio ("PUCO" or "Commission") and the Federal Energy Regulatory Commission ("FERC"). I also act as the Company's principle liaison with those bodies and with other regulatory process

1 stakeholders. In order to effectively represent DEO in that role, I interact with all levels
2 of management across a variety of functional areas so as to understand the primary
3 commercial, operational and administrative issues facing the Company. In overseeing
4 the transportation services portion of the Company's business, I am responsible for the
5 administration of the Energy Choice and traditional transportation programs and for
6 related services such as gas pooling and unbundled storage.

7 **Q4. Have you previously testified before the Commission?**

8 A4. Yes, in the over fifteen years that I have been involved in the Company's rate and
9 regulatory affairs area, I have testified in numerous Commission proceedings, including,
10 most recently, Phase 1 of DEO's plan to exit the traditional GCR merchant function, Case
11 No. 05-474-GA-ATA, and DEO's most recent GCR proceeding, Case No. 05-219-GA-
12 GCR. I also testified in the Company's last two rate cases, Case No. 90-395-GA-AIR on
13 behalf of the River Gas Company and Case No. 93-2006-GA-AIR on behalf of the East
14 Ohio Gas Company, where the Company's current base rates were established. In
15 addition to providing formal testimony in those and other proceedings, I also supervised
16 the filing of numerous adjustments to those rates in response to changes ranging from the
17 Senate Bill 287 revision to utility property assessments to the implementation of gross-
18 receipts-tax and uncollectibles-expense adjustment mechanisms.

19 **Q5. What is the purpose of your testimony?**

20 A5. My testimony provides a description of the Company and its operations and the factors
21 related to the request for an increase in rates. I also provide a summary of the major
22 issues and proposals addressed in DEO's Application, including the Company's request
23 to implement an alternative rate plan. I am also sponsoring the following schedules:

1	A-1	Overall financial summary
2	A-2	Calculation of mirrored CWIP revenue sur-credit rider
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12	C-3.15	Commodity exchange/firm receipt point option revenue sharing
13		mechanism
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16	C-3.28	Over-accrued depreciation
17	C-3.29	Storage revenues adjustment
18	C-3.30	Other post-employment benefits adjustment
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20	E-1	Scored copy of proposed tariff schedules
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1	F-2	Projected jurisdictional rate base summary (current)
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7	F-4	Projected statement of changes in financial position (total company;
8		current)
9	F-4A	Projected statement of changes in financial position (total company;
10		proposed)
11	G-1	Projected income statement (total company; alt. rate plan approved)
12	G-1A	Projected income statement (total company; alt. rate plan not approved)
13	G-2	Projected jurisdictional rate base summary (total company; alt. rate plan
14		approved)
15	G-2A	Projected jurisdictional rate base summary (total company; alt. rate plan
16		not approved)
17	G-2.1	Projected plant in service by major property grouping (both scenarios)
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19	G-3A	Projected capital structure (total company; alt. rate plan not approved)
20	G-4	Projected statement of changes in financial position (total company; alt.
21		rate plan approved)
22	G-4A	Projected statement of changes in financial position (total company; alt.
23		rate plan not approved)
24	S-1	Most recent five-year capital expenditures budget (2008–12)
25	S-2.1	Most recent forecasted income statement (2008–12)
26	S-2.2	Most recent forecast of balance sheet items (2008–12)
27	S-2.3	Most recent forecasted elements of change in financial position (2008–12)
28	S-3	Proposed notice for newspaper publication

1 S-4.1, 4.2 Executive summary of management practices, procedure and organization

2 **Q6. Were each of these schedules prepared by you or under your direction and**
3 **supervision?**

4 **A6. Yes.**

5 **II. COMPANY BACKGROUND**

6 **Q7. As Director of Pricing and Regulatory Affairs, are you generally familiar with the**
7 **business, facilities and operations of the Company?**

8 **A7. Yes.**

9 **Q8. Are you also generally familiar with the books and records of the Company?**

10 **A8. Yes.**

11 **Q9. Please summarize the history of the Company.**

12 **A9. The predecessors of what is now known as DEO began providing natural gas to**
13 **customers in northeastern Ohio over one hundred years ago. In the 1940s, Consolidated**
14 **Natural Gas ("CNG") became the parent company of DEO following DEO's divestiture**
15 **from the Standard Oil Company. In mid-1994, DEO merged with its then sister company**
16 **based in Marietta, Ohio, the River Gas Company, pursuant to an application approved by**
17 **the Commission in Case No. 94-971-GA-UNC. Several years later in 1996, DEO merged**
18 **with the West Ohio Gas Company, its remaining Ohio sister company based in Lima,**
19 **after Commission approval of the companies' merger application in Case No. 96-991-**
20 **GA-UNC. In 2000, Dominion Resources, Inc. ("DRI") purchased CNG. On June 30,**
21 **2007, CNG merged into DRI, making DEO a first-tier subsidiary of DRI. DEO is still**
22 **based in Cleveland, is the largest gas distribution subsidiary of DRI, and is one of Ohio's**
23 **largest natural gas distribution companies. DEO serves more than 1.2 million residential,**

1 commercial, and industrial customers in approximately 400 eastern and western Ohio
2 communities. It operates more than 19,000 miles of natural gas transmission, distribution
3 and gathering lines in a service area covering more than 4,700 square miles.

4 **Q10. What is the relationship between DEO and Dominion Resources Services, Inc.?**

5 A10. Dominion Resources Services, Inc. ("Service Company") is an affiliate of DEO that
6 provides shared services to all DRI subsidiaries and business units. The Service
7 Company's primary focus is on providing cost-effective business services in ways that
8 are consistent with the operating goals and business plans of the operating companies it
9 serves. Functions within the Services Company include Corporate Secretary; External
10 Affairs; Shared Services (Fleet, Facilities Management and Supply Chain Management);
11 Information Technology and Telecommunications; Human Resources; Legal; Six Sigma;
12 and Treasury and Financial. Those areas, and others such as Credit Services housed in
13 the DRI Delivery organization, provide critical support and combine efficiencies of scale
14 and organization with an understanding of business unit needs to provide administrative
15 services at a lower cost than were each company to internally staff or externally acquire
16 the labor and other resources needed to perform those duties.

17 DEO and the Service Company are parties to a service agreement ("Service Company
18 Agreement") that specifies that services and associated cost allocations involved in their
19 business relationship. The Service Company Agreement is included in the Company's S-
20 4.1 submission and indicates that the Service Company will provide Accounting;
21 Auditing; Information Technology, Electronic Transmission and Computer Services;
22 Software Pooling; Employee Benefits/Pension Investment; Human Resources; Risk
23 Management; Medical; Supply Chain; Tax; Corporate Secretary; Investor Relations;

1 Environmental Compliance; Customer Services; Treasury/Finance and External Affairs
2 services, among others. Cost are assigned to the business units electing to receive
3 services based on allocation factors such as the number of employees on the previous
4 December 31, number of payments processed during the preceding year ended December
5 31, number of employee and annuitant accounts as of the preceding December 31 and
6 total capitalization recorded at the preceding December 31, among others. Those factors
7 are applied to the appropriate costs in order to properly recognize each business unit's
8 proportionate utilization of Service Company resources.

9 **III. OVERVIEW OF THE APPLICATION**

10 **Q11. Why has the Company proposed a rate increase?**

11 A11. The proposed rates are designed to produce the additional revenues needed to meet the
12 revenue requirements of the Company. Since DEO's last rate case, Case No. 93-2006-
13 GA-AIR, the Company has experienced increased operating expenses and has
14 substantially increased its investment in jurisdictional rate base. The proposed rates are
15 intended to yield revenues sufficient to recover test year operating expenses and to
16 produce a just and reasonable return on rate base. In particular, the Company seeks an
17 increase in rates to earn a return of and on capital expenditures and recover the increase
18 in operating expenses required to allow the Company to maintain a high level of service
19 to its customers.

20 **Q12. Please summarize the Company's Application.**

21 A12. As shown on Schedule A-1, DEO has requested a base rate revenue increase of
22 approximately \$75 million in order to achieve a return on its rate base closer to that
23 which the Company believes is just and reasonable. The requested base rate increase is

1 DEO's first since 1994 and would increase the average residential bill by approximately
2 4%, or less than \$4.50 per month, based on usage of just over 8 mcf/month. DEO is also
3 requesting Commission approval of other changes such as:

- 4 • The installation of automated meter reading (AMR) equipment for all of its
5 customers over a five-year period, which will provide actual meter readings each
6 month, along with a means to recover the depreciation, incremental property taxes
7 and post in-service carrying costs associated with the deployment.
- 8 • A potential increase of \$5.5 million per year spending on customer conservation
9 programs. The Company would initially increase dollars spent on conservation
10 programs from the current level of \$3.5 million per year to \$6 million per year. If
11 the program exceeds approved targets, the Company would then expand it by an
12 additional \$1 million in each of the next three years.
- 13 • A Sales Reconciliation Rider ("SRR") that would recover the difference between
14 actual base rate revenues and approved test year revenues adjusted to reflect
15 changes in the number of customers for the affected rate schedules.
- 16 • A change in the application of the gross receipts tax ("GRT") rider, which is
17 currently applied only to gas cost charges billed under the GSS and LVGSS rate
18 schedules. The proposed GRT Rider will apply to all of the charges billed by
19 DEO on all rate schedules, excluding charges billed on behalf of Energy Choice
20 suppliers that may be subject to applicable sales tax rates and charges billed to
21 customers that are statutorily exempted from the payment of gross receipts taxes.
- 22 • Implementation of uniform rates for the combined East Ohio and West Ohio
23 systems, reflecting the 1996 merger of the two companies that to this point have
24 continued to have different base rates for the same type of service.

25 DEO's overall revenue requirement also reflects an adjustment of test year operating
26 expenses to address the cash working capital impact of a pension expense credit that,
27 under law, cannot be used as a source of funds for operations in any way.

28 **Q13. What other witnesses will be sponsoring testimony on behalf of DEO?**

29 A13. Vicki Friscic, Manager, Regulatory and Pricing of DEO, is sponsoring testimony
30 predominantly concerning the operating-income, C schedules, as well as other matters.

1 Sylvia Green, Manager of Fixed Asset Accounting for the Service Company, is
2 sponsoring testimony concerning the value of DEO's plant in service as well as
3 depreciation-related matters.

4 Robert Taylor, Managing Director - Corporate Taxation for DRI, is sponsoring testimony
5 concerning tax-related rate base items and operating income issues.

6 Larry Rice, Senior Transportation Analyst within DEO's Transportation Services
7 Department, is sponsoring testimony concerning DEO's annual operating revenue at
8 current and proposed rates.

9 Cliff Andrews, Business Development Manager for DEO, is sponsoring testimony
10 concerning DEO's class cost of service study.

11 Ronald Edelstein, of the Gas Technology Institute, is sponsoring testimony concerning
12 proposed operations and maintenance expenses to fund research and development
13 programs.

14 Daniel Ives, a Managing Director of Lukens Energy Group, a unit of Black & Veatch
15 Corporation, is sponsoring testimony concerning the Company's proposed treatment of
16 pension-related expenses and assets.

17 Michael Vilbert, a principal with the Brattle Group, is sponsoring testimony concerning
18 the Company's cost of capital and requested rate of return.

1 **Q14. Has the Company obtained any waivers in connection with the Standard Filing**
2 **Requirements?**

3 A14. Yes. In its August 15, 2007 Entry in this case, the Commission granted DEO's request
4 for waiver from the following requirements:

5 (1) The provisions of Chapter II (C)(32) requiring monthly managerial reports
6 providing results of operations and comparison of actual to forecast for the test year and
7 the twelve months immediately preceding the test year;

8 (2) The provisions of Chapter II (C)(37) and (C)(44) requiring the filing of federal
9 and state income tax returns;

10 (3) The provisions of Section C (D)(5) which require DEO to report actual rate case
11 expense incurred in DEO's most recent rate case;

12 (4) The provisions of Section C (F)(3) requiring test year and future periods in
13 Schedules C-12.1 through 12.4 to be reported by residential, commercial and industrial
14 classes; and

15 (5) The provisions of Section F (B) requiring a projected net earnings summary by
16 FERC account.

17 **Q15. Has the Company supplied the notices required by the Standard Filing**
18 **Requirements?**

19 A15. Yes. On July 20, 2007, in accordance with Appendix A, Chapter 1, General Instruction
20 (A) of the Standard Filing Requirements, DEO notified, in writing, the mayor and
21 legislative authority of each municipality of its intent to file an Application and of the
22 proposed rates. On the same date, in accordance with General Instruction (B), DEO filed

1 with the Commission its Notice of Intent to File an Application to Increase Rates for Gas
2 Distribution Service, along with the required exhibits. These notices were provided more
3 than 30 days before the filing of DEO's Application

4 **Q16. Has the Company also complied with the notice requirements for its alternative rate**
5 **plan proposal?**

6 **A16. Yes. On July 20, 2007, in accordance with Section 4901:1-19-05(A)(1), Ohio**
7 **Administrative Code, DEO notified in writing the Commission and the mayor and**
8 **legislative authority of each municipality included in its application of its intent to file an**
9 **application for an alternative rate plan. On July 23, 2007, in accordance with the same**
10 **rule, DEO notified in writing the Office of the Ohio Consumers' Counsel, each party to**
11 **DEO's last general rate case, and each party to Phase 1 of DEO's exit-merchant-function**
12 **case (Case No. 05-474-GA-ATA) of its intent to file an application for an alternative rate**
13 **plan. These notices were provided more than 30 days before the filing of DEO's**
14 **Application**

15 **IV. A SCHEDULES (OVERALL FINANCIAL SUMMARY)**

16 **Q17. Please describe the information contained on Schedule A-1.**

17 **A17. Schedule A-1 displays DEO's test year earnings relative to rate base under current rates**
18 **and identifies the proposed revenue increase needed to provide an opportunity to generate**
19 **earnings closer to the rate of return on rate base requested by the Company in its**
20 **Application. The rate of return shown on Schedule A-1 is 8.59%. As noted in Mr.**
21 **Vilbert's testimony and discussed later in this section of my testimony, a revision to the**
22 **embedded cost of long-term debt changed that figure to 8.72%. The overall rate of return**
23 **generated by the proposed rates is 8.52%. The test year used by the Company is calendar**

1 year 2007 with three months of actual data, and the date certain used to value rate base is
2 March 31, 2007. The Commission approved this test year in its August 15, 2007 Entry in
3 this proceeding. The 4.31% rate of return on the Company's \$1,071,881,705 investment
4 in jurisdictional rate base generated under current rates results in a revenue deficiency of
5 \$74,085,178. The proposed rates would increase operating revenues by \$75,007,378.

6 **Q18. Will the Company earn above its requested rate of return because the requested**
7 **revenue increase exceeds the revenue deficiency?**

8 A18. No. As also indicated on Schedule A-1, the proposed rates include changes that will
9 affect the amount of money credited back to customers through the Transportation
10 Migration Rider – Part B. The net effect of those changes is to reduce the base revenue
11 increase retained by the Company to \$72,465,751.

12 **Q19. Please explain how Transportation Migration Rider – Part B affects the requested**
13 **rate increase.**

14 A19. Transportation Migration Rider – Part B reflects the costs associated with operational
15 balancing and other reconciliation adjustments charged to DEO's sales and Energy
16 Choice customers. Certain revenues charged to other customer classes, such as those for
17 Volume Banking Service and an adjustment for storage migration embedded in storage
18 service rates, are used to reduce the costs that would otherwise be collected through the
19 rider. The combined effect of DEO's proposed changes to the revenues charged to other
20 classes and credited to sales and Energy Choice customers through the rider is
21 \$2,541,627. Although reflected in rates, those dollars will not be retained by the
22 Company as base revenues. Instead, the money will be returned to the sales and Energy
23 Choice classes to reduce the costs that they would otherwise be obligated to pay. It is

1 that crediting mechanism which led DEO to show the adjusted revenue increase
2 information on Schedule A-1.

3 **Q20. What does Schedule A-1 indicate with regard to the adequacy of DEO's current**
4 **rates and charges for gas service?**

5 A20. Schedule A-1 demonstrates that present rates provide a rate of return of 4.31%. Thus, the
6 rates presently being charged for gas service are now unjust, unreasonable, and
7 insufficient to yield reasonable compensation for the cost of providing that service,
8 including a return on the Company's property that is used and useful in furnishing gas
9 service to its customers. The new rates set forth in the proposed tariff schedules would
10 allow DEO the opportunity to earn a return of 8.52%, which is considerably closer to the
11 rate of return that is justified based on the parent company cost of capital indicated in
12 Schedule PCD-1. DEO witness Michael Vilbert provides testimony regarding DEO's
13 cost of capital and requested rate of return.

14 **Q21. In his testimony, Mr. Vilbert describes a minor revision to DEO's parent company**
15 **cost of capital. Does that have an effect on the revenue increase that DEO is**
16 **requesting?**

17 A21. No. The revision described by Mr. Vilbert is related to information on Schedule PCD-3
18 that is not required by the Standard Filing Requirements. As noted in his testimony, the
19 proposed adjustment to the embedded cost of long-term debt calculated on Schedule
20 PCD-3 has not been addressed in prior DEO rate cases. As a result, the Company is not
21 sure how the Commission will ultimately reflect the adjustment in the return on rate base
22 granted in this proceeding. Nonetheless, the revised PCD schedules provide all of the
23 information needed by the Commission, Staff and other parties to fully evaluate the

1 Company's requested rate of return on jurisdictional rate base and ultimately its need for
2 rate relief.

3 Attachment JAM-1.1 contains the following revised schedules affected by the change:

- 4 • Schedule A-1 - Overall Financial Summary
- 5 • Schedule B-1 - Jurisdictional Rate Base Summary
- 6 • Schedule B-5 - Allowance for Working Capital (including WPB-5.1)
- 7 • Schedule C-1 - Jurisdictional Proforma Income Statement
- 8 • Schedule C-2 - Adjusted Test Year Operating Income
- 9 • Schedule C-4 - Adjusted Jurisdictional Federal Income Taxes
- 10 • Schedule C-4.1- Development of Jurisdictional Federal Income Taxes
- 11 • Schedule D-1 - Rate of Return Summary
- 12 • Schedule D-3 - Embedded Cost of Long-Term Debt (updated with coupon rates)
- 13 • Schedule D-4 - Embedded Cost of Preferred Stock
- 14 • Section E-3.2 - Cost of Service Study

15 Those schedules indicate that the revision would increase the Company's total revenue
16 requirements by \$1,933,933, or 0.17% of total revenue requirements. It should also be
17 noted that the proposed revenue increase shown on Schedule A-1 generates an 8.52%
18 return on rate base, which is below the initial rate of return recommended by the
19 Company and remains below the rate of return indicated by the revised cost of capital
20 information as well. DEO is not proposing any changes to the rates included in its pre-
21 filing notice or its Application. As a result, the remainder of my testimony continues to
22 refer to the data contained in the Company's initial Application.

1 **Q22. Mr. Vilbert's testimony also discusses various risks that confront the natural gas**
2 **industry. Does DEO face any unique risks?**

3 **A22. Yes. In his testimony, Mr. Vilbert describes several important business risks facing the**
4 **natural gas distribution industry that affect its overall cost of capital. It is important for**
5 **the Commission to also consider the unique risks facing DEO, such as:**

- 6 • Economic risks related to the state of the economy within DEO's service territory,
7 the ability of major customers to relocate production elsewhere, and the financial
8 health of those customers, many of which face ongoing structural problems due to
9 the age of their production facilities and other legacy costs.
- 10 • Capital and operating expense risks such as those related to transmission pipeline
11 integrity management and an upcoming notice of proposed rulemaking from the
12 Pipeline and Hazardous Materials Safety Administration regarding distribution
13 pipeline integrity management programs.
- 14 • Regulatory risks such as those related to the potential impact from the
15 Commission's current riser investigation and its recently enacted Ohio minimum
16 gas service standards, which entail increased service levels in a variety of areas.
- 17 • Weather-related risks that will not be mitigated by the proposed sales
18 reconciliation rider, which is limited to addressing conservation-related impacts
19 on base revenues.
- 20 • Gas supply risks related to DEO's ongoing role as the provider of last resort and
21 the ability of the Commission to place the Company back in its traditional GCR
22 role if the merchant function exit transition does not go as well as planned.

23 **Q23. Please describe the information that is shown on Schedule A-2.**

24 **A23. Schedule A-2 provides the calculation of the mirrored CWIP revenue sur-credit rider,**
25 **were one to be requested. The schedule is not applicable to DEO because no CWIP**
26 **amounts were included in rates in prior cases.**

1 **V. B SCHEDULES (RATE BASE AND RELATED MATTERS)**

2 **Rate Base Overview**

3 **Q24. Please briefly describe Schedule B-1.**

4 A24. Schedule B-1 is the summary of the rate base, used and useful as of the March 31, 2007
5 date certain, proposed by the Company in this proceeding and is the summary of other
6 underlying schedules in Section B. The rate base consists of jurisdictional plant in
7 service less the reserve for accumulated depreciation; a working capital allowance
8 reflecting certain average monthly balances funded by investors and the average amount
9 of capital needed to bridge the gap between the time when expenditures are made to
10 provide service and the time when funds are received for that service; and other rate base
11 items that include, among other things, the accumulated deferred income taxes related to
12 accelerated depreciation.

13 **Q25. Please describe the information shown on Schedules B-4, B-4.1 and B-4.2.**

14 A25. Those schedules are intended to provide information regarding any construction projects
15 in progress that a company is seeking to include in its proposed rate base. The schedules
16 are not applicable to DEO because the Company is not requesting the inclusion of any
17 CWIP in rate base.

18 **Working Capital**

19 **Q26. Please explain Schedule B-5.**

20 A26. Schedule B-5 shows the proposed allowance for working capital calculated at test year
21 levels. In addition to a cash component based on the Company's lead-lag study, the
22 proposed allowance includes thirteen-month balances ending March 31, 2007, for
23 Account 154 for DEO's materials and supplies inventory, excluding the portion held for

1 additions and new construction, and Account 142.2 for Percentage Income Payment Plan
2 ("PIPP") receivables under twelve months old. Offsetting those balances is the thirteen-
3 month balance for Account 235 for customer deposits, which represents a non-investor
4 supplied source of funding.

5 **PIPP Receivables Balance**

6 **Q27. Please discuss the PIPP receivables balance shown on Schedule B-5.**

7 A27. The Account 142.2 balance for PIPP receivables is \$123,385,458. This large average
8 balance is attributable to the dramatic rise in the cost of natural gas and in the number of
9 PIPP customers over the last several years. The high price of natural gas is driven
10 primarily by factors related to the national market, while the increase in the number of
11 PIPP customers is generally driven by local factors such as Cleveland's status as the
12 poorest large city in America in two of the past four years. According to the U.S. Bureau
13 of the Census, American Community Survey, 2005, for example, 32.4% of the city's
14 residents were living below the federal poverty level. Although DEO last adjusted its
15 PIPP rider rate effective with bills rendered on or after February 7, 2006, the Company
16 has not seen a commensurate decrease in the balance of PIPP arrearages that have yet to
17 age to the point they are eligible for collection through the rider mechanism.

18 **Q28. Has DEO considered options to reduce the PIPP receivables balance?**

19 A28. Yes, DEO has identified several options that would over time reduce the balance of
20 Account 142.2. These options include a further increase in the PIPP rider rate, a
21 reduction in the aging period before PIPP arrearages are eligible for recovery, providing
22 alternative or supplemental funding sources, and seeking more fundamental changes to
23 the PIPP program. As discussed in my testimony concerning Schedule C-3.15, DEO is

1 proposing to supplement amounts provided by PIPP rider revenues with funds received
2 through a proposed revenue sharing mechanism, which is intended to reduce the account
3 balance and the need for subsequent increases in the PIPP rider rate. DEO considered a
4 reduction in the 12-month aging period for PIPP arrearages before rider collection, but
5 did not pursue the option due to the tremendous increase in the PIPP rider rate that would
6 have to accompany such a change. As to more fundamental changes, DEO is currently
7 participating in discussions sponsored by the Ohio Department of Development to
8 explore potential changes in the PIPP program.

9 **Lead/Lag Study**

10 **Q29. How did the Company determine the cash component of its proposed working**
11 **capital allowance?**

12 **A29.** DEO performed a lead-lag study that quantified the cash working capital required to pay
13 its day-to-day operating expenses during the period that the Company provides service
14 before receiving payment for that service. To be more precise, the "lag" portion of the
15 lead-lag study quantifies the revenue lag between the time that service is provided to
16 customers and the time that it collects cash from those customers for the service rendered.
17 The "lead" portion of the study measures the period of time between the Company's
18 receipt of a good or service and the date at which it pays for that particular good or
19 service. Not every expense item results in a lead since there may be some in which a pre-
20 payment occurs, such as insurance.

21 **Q30. What information did DEO use to conduct its lead-lag study?**

22 **A30.** DEO calculated the lag and lead days using calendar year 2006 data because it provided
23 the most recent 12-month actual period available when the company began conducting

1 the study, which took several months. After the various lag and lead days were
2 determined, they were applied to the appropriate test year revenue and expense elements
3 to yield a cash working capital figure that is consistent with test year operating income.

4 **Q31. How were the revenue and expense categories in the study selected?**

5 A31. The categories are based on logical classifications of similar types of revenues and
6 expenses. Those categories and the resulting calculation of lead and lag days are set forth
7 in the work papers included in Attachment JAM-1.2 to my testimony.

8 **Q32. Please discuss the calculation of the revenue lag days.**

9 A32. DEO's total operating revenues were segregated into two primary revenue groups, which
10 are handled through two different billing systems. The revenue lag consists of three
11 different components: the service period lag, the billing lag and the collection lag. The
12 service period lag is the average period of time a customer takes service before a bill is
13 rendered. All companies that have twelve billing periods in a year have a standard 15.2-
14 day service period lag. The billing period lag is the amount of time between when a
15 meter is read and when the Company mails a bill. The collection lag measures the
16 number of days on average that it takes customers to pay the Company after the bill is
17 mailed. The collection lag was measured using the accounts receivable turnover method
18 utilizing the average daily accounts receivable balances from the Customer Care System
19 ("CCS") for smaller, predominantly low-pressure accounts and the Special Billing
20 System ("SBS") for larger, predominantly high-pressure accounts.

1 **Q33. How were Percentage of Income Payment Plan ("PIPP") billings and receivables**
2 **treated in the lead-lag study?**

3 A33. All PIPP revenues and balances were deducted from the billing and accounts receivable
4 data used in the study due to their inclusion as a thirteen-month balance in another
5 component of the working capital allowance.

6 **Q34. What was the revenue lag for the customers served under the CCS and SBS billing**
7 **systems used in this study?**

8 A34. Customer billed through the CCS system had an average revenue lag of 49.4 days, and
9 customers billed through the SBS system took an average of 68.9 days between the time
10 service was provided and payment to the Company. The combined weighted average
11 revenue lag for all customers is 52.9 days.

12 **Q35. What is the source of the difference in the revenue lag of the two billing systems?**

13 A35. The only difference in revenue lag between the systems is the billing lag. Customers
14 billed out of SBS have a billing lag of 20.4 days on average, while the customers billed
15 out of CCS have only 0.9 days on average between the time a meter is read and the time a
16 bill is mailed.

17 **Q36. Please explain why there is such a large difference in the two billing lags.**

18 A36. DEO's transportation and pooling programs, used exclusively by customers billed
19 through the SBS system, include an imbalance trading feature that requires the Company
20 to delay billing the companies and end users involved until the imbalance trading period
21 ends. That imbalance trading period, which provides marketers and end users an
22 opportunity to reduce or eliminate imbalances by "trading" volumes with one another,
23 typically ends on the 17th of each month. However, if a customer's meter were read on

1 the 25th of the prior month, DEO has to delay billing the customer until it determines the
2 final imbalance volume after the trading period closes. That feature is unique and
3 enables customers to avoid significant charges associated with imbalance volumes, yet it
4 does impose a cost in that it increases the SBS billing lag beyond what it would be
5 otherwise.

6 **Q37. Which component of the revenue lag contributes most to the average revenue lag of**
7 **52.9 days?**

8 A37. The only component of the revenue lag not specifically addressed thus far is the
9 collection lag, or the period of time between when the Company mails the bills and
10 actually receives a cash payment. DEO's average collection lag is a lengthy 33.3 days.

11 **Q38. What factors affect DEO's collection lag?**

12 A38. DEO's substantial collection lag is attributable to the high level of receivables relative to
13 billings caused by customers not paying their bill in full on a timely basis. One of the
14 reasons that DEO has proposed a late payment charge in this case is to improve customer
15 payment patterns over time. Those patterns, however, are not likely to change overnight,
16 and DEO still faces a customer base that is in economically dire straits, as has been well-
17 publicized in the local and even national media, and by various consumer and low
18 income groups that frequently participate in Commission proceedings. Recent local
19 stories in the *Cleveland Plain Dealer* include the following:

20 August 30, 2006

- 21 • "For the second time in three years, Cleveland has been named the poorest big
22 city in America." "For those living in the eight counties around Cleveland,
23 median household income dropped by \$1,778 over the last five years."
24 "Cleveland's median household income – just above \$24,000 – was a little more
25 than half the national average."

1 July 18, 2007

- 2 • "Foreclosures in Cuyahoga County are the highest in Ohio and more than half of
3 those are in the city of Cleveland." "So many homes are in foreclosure that the
4 national media regularly refer to Northeast Ohio as the epicenter of the growing
5 national problem."

6 August 29, 2007

- 7 • "Cleveland saw median household income rise more than \$1,700. Yet, even with
8 the increase to \$26,535, it still ranked lowest among the nation's biggest cities."
9 "Youngstown also had the lowest median household income - \$21,850 - of any
10 American city with at least 65,000 residents."

11 While DEO appreciates the opportunity to serve the greater Cleveland area, it recognizes
12 that doing so comes with challenges, some of which are reflected in a revenue lag that
13 results in a larger working capital requirement to operate the business.

14 **Q39. Please describe how the Company determined the lead days within the various**
15 **expense categories used in the study.**

16 **A39.** In general, DEO measured the days between the mid-point of the service period, often the
17 date material was received, to the day that the bill for that good or service was paid by the
18 Company. The details regarding the data used and the calculations employed are more
19 fully set forth in Attachment JAM-1.2.

20 **Q40. Why was the uncollectibles expense assigned the same number of lead days as the**
21 **revenue lag?**

22 **A40.** Assigning the revenue lag days to the uncollectible expense has the effect of zeroing out
23 the net cash working capital associated with that cost element. Doing so is consistent
24 with the overall determination of the revenue lag figure as well as the fact that the
25 uncollectible expense rider recovers those costs separately from base rates.

1 **Q41. How are payments for taxes reflected in the lead-lag study?**

2 A41. The various tax expense leads were based on the corresponding statutory requirement
3 regarding their payment. In order to determine the lead days, the mid-point of the
4 applicable service period was identified and compared to the required payment date.

5 **Q42. How were the capital cost components measured?**

6 A42. The interest expense lead on long-term debt was based on the interest payments required
7 under the Company's long-term notes. The common equity component of DEO's cost of
8 capital was assigned zero days, reflecting the shareholders' entitlement to these funds as
9 the service is rendered to customers.

10 **Other Adjustments to Cash Working Capital**

11 **Q43. How did the Company handle the working capital requirement associated with the**
12 **collection of commodity charges billed to customers on behalf of Energy Choice**
13 **suppliers?**

14 A43. DEO had to handle the Energy Choice related portion of the cash working capital
15 requirement separately from other elements because those dollars are not included in the
16 revenues and expenses in the test year income statement. If DEO had no Energy Choice
17 program in place, the commodity charges billed to customers presently participating in
18 the program would be included in GCR-related revenues and expenses. As it stands,
19 however, those payments are treated under accounting rules as convenience payments,
20 which are not shown on the income statement. In order to determine the associated
21 working capital effect, the Company had to separately consider the time between its
22 payment to Energy Choice suppliers and the receipt of that amount from customers.

1 **Q44. Why is there a lag between the period that suppliers are paid and the time**
2 **customers pay for the corresponding supply?**

3 **A44. Beginning in Case No. 98-593-GA-COI, the Commission has consistently ruled that**
4 **LDCs are required to purchase the receivables of suppliers participating in Choice**
5 **programs. In approving DEO's General Terms and Conditions of Energy Choice Pooling**
6 **Service, the Commission approved the payment remittance process set forth in those**
7 **terms and conditions, which state:**

8 As described in "Billing Rules for Energy Choice Pooling Customer," East Ohio
9 agrees to purchase the accounts receivable generated under this billing agreement.
10 Accordingly, East Ohio shall remit one hundred percent (100.0%) of the value of
11 such receivables, less any unpaid Supplier balances, by writing a check or
12 executing a wire transfer weekly for accounts billed from CCS and monthly for
13 accounts billed from SBS. Such payments shall be made approximately two
14 weeks after the accounts have been billed.

15 **Q45. What impact does the purchase of those receivables have on DEO's cash working**
16 **capital requirement?**

17 **A45. Even though billings on behalf of Energy Choice suppliers do not appear in test year**
18 **operating income, the purchase of supplier receivables imposes a working capital**
19 **requirement similar to payments for wholesale supplies of natural gas for system supply.**
20 **The Company is obligated to pay its wholesale suppliers of natural gas regardless of**
21 **whether it ultimately receives payment for that gas from its customers. Purchasing**
22 **Energy Choice receivables results in DEO treating its retail suppliers in the same manner.**

23 The billing and remittance process approved by the Commission requires DEO to remit
24 the entire amount billed on behalf of the supplier to the supplier "approximately two
25 week after the accounts have been billed." That period is well short of the 52.9 day
26 revenue lag and thus imposes a substantial working capital requirement on the Company,
27 which it quantified by accumulating the average daily payment processed on each day

1 during calendar year 2006 multiplied by the length of time between payment remittance
2 to the supplier and payment receipt from the customer.

3 **VI. C SCHEDULES (OPERATING INCOME AND RELATED MATTERS)**

4 **Operating Income Overview**

5 **Q46. Please describe Schedule C-1.**

6 A46. Schedule C-1 is a jurisdictional income statement that reflects all of the test year
7 adjustments identified in the C-3 schedules as well as the pro forma test year income
8 statement based on the proposed rates indicated in Section E. Schedule C-1 summarizes:
9 (1) the Company's adjusted revenues and expenses at current rates as shown on Schedule
10 C-2; (2) the revenue and expense effects of the proposed rates; and (3) the resulting pro
11 forma income based on those proposed rates. Schedule C-1 essentially summates the
12 applicable detailed data contained in other schedules in the same section as well as the
13 applicable schedules in E-4.

14 **Q47. Are you testifying about all of the test year adjustments shown on Schedule C-1?**

15 A47. No. DEO witnesses Vicki Friscic and Daniel Ives will address specific adjustments in
16 Schedule C-3 and its subsidiary schedules, which are summarized in Schedule C-1.

17 **Q48. Please explain the adjustment shown on Schedule C-3.9.**

18 A48. The C-3.9 adjustment is related to a FAS-106 curtailment loss incurred in connection
19 with a 1995 work force reduction program. The adjustment amount excludes that portion
20 of the curtailment loss associated with an acceleration of the FAS-106 transition
21 obligation, which was amortized using the schedule authorized in DEO's last rate case,
22 Case No. 93-2006-GA-AIR.

1 **Q49. What is the nature of the unrecovered weatherization adjustment identified on**
2 **Schedule C-3.10?**

3 A49. In DEO's last rate case, Case No. 93-2006-GA-AIR, the Commission approved a
4 Stipulation and Recommendation generally based on the Staff Report of Investigation,
5 which included an adjustment for recovery of certain deferred weatherization expenses
6 and associated carrying charges. The adjustment shown in Schedule C-3.10 reflects
7 weatherization expenses deferred in excess of the amount that was amortized and the
8 carrying charges associated with that amortization.

9 **Q50. Please explain the over-recovered Order 636 transition costs that the company**
10 **proposes to allocate to transportation customers in Schedule C-3.11.**

11 A50. In Case No. 94-164-GA-UNC, the Commission approved a Stipulation and
12 Recommendation that specified the manner in which gas supply restructuring ("GSR")
13 costs incurred as a result of FERC's Order 636 restructuring would be allocated to sales
14 and transportation customers. The costs allocated to sales customers were trued-up
15 through the GCR mechanism. Due to GSR refunds received from interstate pipelines
16 after DEO ceased collecting the costs from transportation customers, the Company over-
17 recovered costs from the transportation class. The credit to expense reflected in Schedule
18 C-3.11 reflects DEO's proposal to credit those costs and the associated interest in base
19 rates over three years.

20 **Q51. Please briefly describe the pension credit adjustment reflected in Schedule C-3.26.**

21 A51. This adjustment involves a \$47.7 million credit to test year unadjusted operating expense
22 that is attributable to DEO's over-funded pension trust. Ratepayers did not contribute to
23 the over-funding of that trust because no pension expense was included in rates during
24 the time that the over-funding occurred. Even though the over-funding results in an

1 accounting credit to expense, there is no corresponding cash flow to the Company
2 because, under the Employee Retirement Income Security Act ("ERISA"), the assets of a
3 retirement plan are held for the exclusive purpose of providing benefits to plan
4 participants and are not available for use by the employer. The proposed adjustment
5 addresses the situation by removing the pension credit from test year expenses and
6 excluding the approximately \$400 million of pension assets on the Company's books net
7 of the associated accumulated deferred income taxes. DEO witness Mr. Ives is
8 sponsoring testimony in support of DEO's proposed adjustment.

9 Revenue Sharing Adjustment

10 **Q52. Please explain the revenue sharing adjustment shown in Schedule C-3.15.**

11 **A52.** As indicated in WPC-3.15 included in Attachment JAM-1.3 to my testimony, DEO is
12 proposing to share commodity exchange and firm receipt point revenues with customers
13 under the following tiered structure:

14 \$0 - \$5,000,000	85% credited to customers / 15% retained by DEO
15 Over \$5,000,000 - \$10,000,000	80% credited to customers / 20% retained by DEO
16 Over \$10,000,000	75% credited to customers / 25% retained by DEO

17 Commodity exchanges include offerings such as off-system sales and all similar
18 transactions. The firm receipt option enables transportation customers and marketers to
19 designate specific receipt points and volumes for firm delivery into DEO's system. The
20 test year revenue associated with those two offerings projected at the time of the pre-
21 filing notice was \$13,695,727, which would result in \$11,021,795, or approximately
22 81.5% of the total, being shared with customers under the tiered sharing mechanism.
23 DEO further proposes to credit those revenues toward amounts that would otherwise be

1 recovered through the PIPP rider mechanism in order to mitigate the effect of higher gas
2 cost and increased PIPP customers described previously.

3 **Q53. Does the revenue sharing mechanism alter the effect of the approximately \$75**
4 **million increase in base revenues requested by the Company?**

5 A53. Yes, the \$75 million in base rate relief requested by the Company is offset to a
6 considerable extent by the proposed mechanism. The combined effect of the revenue
7 sharing proposal and the Transportation Migration Rider – Part B adjustment described in
8 my testimony supporting Schedule A-1 is shown on Schedule E-3.2, page 6 of 16. That
9 page adjusts the \$75 million base rate increase downward to \$61.4 million to reflect the
10 \$11.0 million credit from the commodity exchange and firm receipt point revenue sharing
11 and the \$2.5 million additional credit from Transportation Migration Rider – Part B. As a
12 result, 18% of the requested base rate increase will ultimately be returned to customers
13 via another mechanism.

14 **Uncollectible Expense Adjustment**

15 **Q54. Please explain the adjustment shown on Schedule C-3.24.**

16 A54. DEO proposes to implement a late payment charge and credit all payments received from
17 the charge toward amounts that would otherwise be recovered through its uncollectibles
18 expense adjustment mechanism. By crediting late payment charge receipts in that
19 manner, DEO is able to offset a portion of the costs associated with unpaid bills, and
20 parties in the case avoid the debate over the appropriate amount of revenue that should be
21 credited to the cost of service. Schedule C-3.24 reflects the elimination of forfeited
22 discount revenue (a form of late payment changes) that would be credited back to
23 customers in its entirety if the proposed late payment charge is approved.

AMR and DSM Adjustments

Q55. Please explain the adjustments reflected in Schedules C-3.27 and C-3.28.

A55. The adjustments reflected in those schedules are related to an AMR and DSM funding proposal that will provide significant benefits to DEO's customers if approved. Schedule C-3.27 represents the elimination of the ratepayer-funded expenditures for the Company's existing low-income weatherization program. That program will be incorporated into the expanded DSM program which, along with DEO's proposed AMR deployment, will be funded by the amortization of its over-accrued depreciation reserve.

Depreciation Reserve; AMR/DSM Funding Proposal

Q56. Please discuss the Company's depreciation reserve.

A56. Like all utilities, DEO has a depreciation reserve account on its balance sheet that reflects the accumulated depreciation recorded for its plant and equipment. Because the average useful life of DEO's pipelines and other assets has been increasing, DEO has built up an over-accrued depreciation reserve over the years of approximately \$105 million. In prior rate cases, the Commission has reduced the Company's rate base by any over-accrued depreciation reserves to ensure that customers' rates properly reflect the depreciation expenses that they have historically paid in base rates.

Q57. What treatment is DEO requesting for over-accrued depreciation in this proceeding?

A57. In order to adjust its depreciation reserve to the proper amount, DEO proposes to reduce its future depreciation expenses over a ten-year period. Adjustments to depreciation reserves are typically made over multiple years because over-accruals gradually accumulate over a period of many years. DEO will use a corresponding amount to fund

1 the deployment of AMR equipment throughout its system and increase its DSM
2 expenditures to support customer conservation programs. The amortization of DEO's
3 \$105 million over-accrual over a decade will generate combined funding for AMR and
4 DSM of approximately \$10.5 million per year, or more precisely the \$10,540,020 shown
5 in Schedule C-3.28.

6 **Q58. How will the amortization of the over-accrued depreciation reserve be applied to**
7 **DEO's proposed AMR deployment program?**

8 A58. DEO proposes to use half of the annual amount, or \$5,270,010 per year, to fund the
9 depreciation, taxes and return on investment associated with the five-year AMR
10 deployment program described in the Company's application in Case No. 06-1453-GA-
11 UNC in which it requested Commission approval of a mechanism to recover those costs.
12 DEO will request the Commission to consolidate that application into this base rate
13 proceeding. Because the total cost of DEO's AMR deployment is estimated to be \$100
14 million to \$110 million, the funding provided by the over-accrued depreciation reserve
15 will not be sufficient to recover all of its costs. To the extent that the funding is
16 insufficient, DEO will seek base rate or rider recovery of the remaining cost in
17 accordance with the process described in the aforementioned application.

18 **Q59. Please describe the portion of the funding that will be applied to the Company's**
19 **proposed DSM program.**

20 A59. DEO will devote \$5,270,010 per year of the depreciation reserve over-accrual
21 amortization to DSM program spending. DSM programs cover such items as home
22 weatherization, high-efficiency-furnace rebates and home energy audits that enable
23 customers to reduce energy usage and lower their gas bills. DEO currently spends \$3.5
24 million per year on low-income customer weatherization programs. Of that total, \$2.5

1 million is included in customers' base rates and \$1.0 million is funded by the Company
2 with no recovery from customers. Under its proposal, DEO will maintain its \$1.0 million
3 annual funding level. To that will be added the approximately \$5 million per year funded
4 by half of the over-accrued depreciation reserve, resulting in total DSM program
5 spending of \$6.0 million annually.

6 **Q60. How does DEO propose to implement its DSM program?**

7 A60. DEO proposes to form a DSM stakeholder group made up of Staff, the Office of Ohio
8 Consumers' Counsel, Ohio Partners for Affordable Energy and other stakeholders to
9 select an independent DSM program administrator, jointly design and oversee
10 administration of the program, determine income eligibility and establish DSM program
11 targets. If the targets established by the stakeholder group are met, DSM funding could
12 increase another \$1.0 million per year over a period of three years for a total funding
13 level of approximately \$9 million. The increased funding would be provided by an
14 adjustment to General Sales Service and Energy Choice Transportation Service
15 volumetric rates using the latest year's weather-normalized volumes to determine the
16 exact dollar-per-mcf adjustment.

17 **Q61. Is the Company's proposal to increase DSM funding conditioned on approval of**
18 **other provisions of the Company's Application?**

19 A61. Yes. The increased DSM funding and the possibility of expanding that funding in future
20 years is contingent on DEO receiving approval for its proposed decoupling mechanism,
21 which is similar to that approved by the PUCO for Vectren Energy Delivery of Ohio in
22 Case No. 05-1444-GA-UNC. Such a mechanism is designed to offset the negative
23 impact that customer conservation would otherwise have on the Company's earnings.

1 Absent approval of the decoupling mechanism, DEO would propose to fund its DSM
2 program at the current \$2.5 million ratepayer funded level and to shift \$2.5 million of the
3 over-accrued depreciation reserve amortization to fund AMR.

4 Other Adjustments to Operating Income

5 **Q62. Please explain why the Company eliminated certain non-recurring storage revenues**
6 **as indicated in Schedule C-3.29**

7 **A62.** In 2006, DEO began to evaluate capital investments to more effectively sustain base
8 storage withdrawals throughout the winter season by increasing storage capacity without
9 increasing the migration of gas from the Company's storage fields. In order to assess the
10 feasibility of those potential investments, which would be in the tens of millions of
11 dollars, DEO developed a pilot program to assess the impact on the migration of gas from
12 its storage fields due to increasing storage capacity and sustaining higher base storage
13 withdrawals throughout the winter season.

14 The pilot program involved the injection of increased quantities of gas into DEO's on-
15 system storage during the latter part of the 2006-2007 injection season and the
16 withdrawal of increased quantities of gas throughout the following winter season that
17 were offset by corresponding reductions of the daily amount of gas delivered to its
18 system by an upstream pipeline. The pilot program ended as scheduled on March 31,
19 2007. The results of the pilot program and its potential impact on migration will be
20 assessed as part of the inventory verification analysis conducted via shut-in tests prior to
21 the upcoming withdrawal season.

22 Because the pilot program has been terminated and future long-term service offerings of
23 that type must be accompanied by substantial multi-year capital investments that are not

1 included in date certain rate base, exclusion of the associated revenues properly reflects
2 the pilot program's non-recurring nature and synchronizes test year operating income
3 with date certain rate base.

4 **Q63. Why did the Company adjust other post-employment benefits ("OPEB") expense as**
5 **shown in Schedule C-3.30?**

6 **A63.** After the initial budget for OPEB expenses was developed and incorporated into
7 unadjusted test year expenses, the Company received an updated actuarial study. That
8 study indicated that the calendar year 2007 OPEB expense would be \$1,732,789 less than
9 the 3 months actual/9 months estimated data used to develop the unadjusted test year
10 expense level. As a result, DEO reduced that element of test year expense to more
11 accurately reflect its ongoing cost of service.

12 **Q64. Please describe the adjustment shown in Schedule C-3.31.**

13 **A64.** The adjustment shown on Schedule C-3.31 reflects the accounting treatment of a storage
14 migration credit that is built into the Company's current rates for storage service.
15 Currently, \$0.035 per mcf of seasonal storage injection and withdrawal fees is credited to
16 gas cost. Because the test year gas cost revenues are set equal to test year expenses, that
17 credit is not properly reflected in operating income. In order to reflect the income impact
18 of that crediting mechanism, the Company showed the resulting credit amount as an
19 additional operating expense.

VII. E SCHEDULES (TARIFF CHANGES)

Overview of Tariffs

Q65. Please describe Schedules E-1, E-2 and E-3.

A65. Schedules E-1 and E-2 contain copies of the proposed and current rate schedules and other tariff sections, which have been underscored to highlight those items being changed between the present and proposed versions. Schedule E-3 contains the narrative rationale for all of the changes that are proposed. Because the scoring used in Schedules E-1 and E-2 does not reflect all of the changes on a single document, Schedule E-3 also includes a scored version of the proposed tariffs showing both deletions and additions with the coding required in the Standard Filing Requirements.

Q66. What are the Company's overall objectives with regard to its proposed rate schedules and the related terms and conditions of service?

A66. DEO has several objectives for its proposed tariff:

- Better align rates within a given customer class with the cost to serve that class and introduce uniform rates for the East Ohio/West Ohio systems.
- Better reflect the current cost associated with activities identified in the Rules and Regulations.
- Support other initiatives such as decoupling the link between gas usage and meeting revenue requirements.
- Increase the consistency of its terms and conditions applicable to similar services.
- Update provisions to reflect practices that may have changed since the tariffs were last updated.

Q67. What are the principal changes proposed for DEO's General Sales Service ("GSS") and Large Volume General Sales Service ("LVGSS") rate schedules?

A67. As with all of the proposed rate schedules, the West Ohio versions were deleted in order to provide uniform rates across DEO's system. The volumetric rates in the remaining

1 GSS and LVGSS rate schedules were updated to bring the sales class return on rate base
2 into greater alignment with the rate of return requested by the Company. The
3 reconnection fee for GSS accounts was also updated to reflect DEO's customer service
4 labor rates applied to the standard scheduling time allotted for reconnects. In addition to
5 minor language changes and clarifications, references to transportation service that are no
6 longer necessary due to the Energy Choice program were deleted. Finally, references to
7 new tariffs that would be applicable to the sales rate schedules were added.

8 **Q68. What changes are proposed for the Energy Choice Transportation Service**
9 **("ECTS") and Large Volume Energy Choice Transportation Service ("LVECTS")**
10 **rate schedules?**

11 A68. As explained in more detail in Schedule E-3, the primary changes proposed for the
12 Energy Choice rate schedules are those needed to maintain rate and rider parity with the
13 companion sales rate schedules and to clarify and update certain terms of service. Such
14 parity is important to support the competitive retail commodity market that has flourished
15 on DEO's system.

16 **Q69. Are there more numerous changes proposed for the traditional transportation**
17 **service rate schedules and the associated General Terms and Conditions of**
18 **Transportation Service?**

19 A69. Yes. Those changes are described in considerable detail in the narrative rationale in
20 Schedule E-3. However, while there are considerably more changes made to the rate
21 schedules and terms and conditions of service, the underlying structure of DEO's
22 transportation program remains intact. The principle change is a reduction in rates to
23 better align the class's return on rate base with the overall return requested by the
24 Company. References to several riders have been added based on their proposed
25 applicability. The remaining changes are, for the most part, intended to update and

clarify the terms of service and to make them more consistent with those of other transportation-related programs such as DEO's Full Requirements and Energy Choice pooling services.

Q70. Please describe the changes that DEO is proposing to its Firm Storage Service ("FSS") rate schedule.

A70. As indicated in the narrative rationale, there are a variety of changes proposed to the FSS rate schedule. Some of the more notable are highlighted below:

- The proposed language enables pool operators to acquire storage service under the FSS rate schedule for their own account rather than doing so only as agent for an end use transportation service customer or as part of a pooling service agreement.
- The reference to advance nominations was deleted based on DEO's decision to no longer provide the type of storage service that requires advance nominations. As a result, the Seasonal Service described in proposed rate schedule effectively replaces the Enhanced Seasonal Service described in the prior version and reflects the following changes:
 - In order to conduct storage operations in a manner that is more consistent with the capabilities of its storage facilities, DEO proposes to modify the operating parameters to match those of the storage capacity assigned to Energy Choice and Standard Service Offer suppliers. Those parameters reflect the fact that DEO's ability to inject and withdraw gas from its on-system storage changes throughout the storage season based on the level of inventory.
 - The proposed terms contemplate daily injection and withdrawal limitations in the event that the Company experiences operating conditions where daily storage management is necessary.
 - The proposed terms require the complete withdrawal of inventory by the March 31 end of the storage withdrawal season to avoid additional gas migration that may occur if large volumes of gas remain in storage at that time.
 - The proposed terms indicate that DEO may implement a storage operational flow order during which it could require the storage service customer to make winter period re-injections or withdrawals in order to support system operations and maintain system integrity.

1 The FSS rates were adjusted to: (1) bring the return on rate base for the customer class
2 covered by the rate schedule into greater alignment with the system-wide return on rate
3 base; (2) reflect an updated estimate of the cost associated with gas migration from
4 storage that accompanies the provision of seasonal storage service; and (3) reflect the
5 applicability of the Gross Receipts Tax rider to the service. Despite the change in rates
6 and the terms and conditions of service, DEO's Firm Storage Service continues to
7 provide substantial value given its all-in rate compared to historical spreads between
8 injection and withdrawal season natural gas prices.

9 Rider Changes

10 **Q71. Did the Company propose to revise any of its existing riders?**

11 A71. Yes. A full explanation of the proposed rider changes can be found in Schedule E-3.

12 The most significant change involves the applicability of the GRT Rider.

13 **Q72. Please describe the proposed change in the applicability of the GRT Rider.**

14 A72. The Applicability section of the proposed GRT Rider tariff states that it is "[a]pplicable
15 to all rates, fees, charges and riders billed by East Ohio pursuant to its Rules and
16 Regulations, Rate Schedules, and Pooling Service and other agreements, as applicable,
17 except for the cost of gas billed on behalf of an Energy Choice supplier under the Energy
18 Choice Transportation Service or Large Volume Energy Choice Transportation Service
19 rate schedules. Further, this Rider shall not be billed to those Customers statutorily
20 exempted from the payment of gross receipts taxes." That coverage is much broader than
21 the existing rider, which applies only to "gas cost charges billed by East Ohio under rate
22 schedules GSS and LVGSS." Whereas the current GRT Rider applies only to SSO
23 commodity costs, the proposed rider applies to all charges billed by the Company except

1 for those billed on behalf of Energy Choice suppliers or to customers that are not
2 obligated to pay the tax.

3 **Q73. Why did DEO propose to change the GRT Rider's applicability?**

4 A73. By applying the GRT Rider to all rates and charges, DEO and its customers are assured
5 that the amount of GRT expense included in the company's rates do not over- or under-
6 recover the resulting liability. In addition, applying the GRT Rider in the manner
7 proposed will make prospective calculations of other riders and rates more
8 straightforward because parties will not have to also consider the GRT implications.

9 **Q74. How did DEO reflect the GRT Rider's effect on the Other Revenues shown in**
10 **Schedule E-4?**

11 A74. Most of the Other Revenues shown in Schedule E-4 are derived from pooling and related
12 services provided to marketers or, as in the case of commodity exchanges or firm receipt
13 point revenues, are based on the total price that a market will bear for a particular service
14 at a particular time. The Company recognizes that its charges for pooling services, while
15 cost-of-service based when first approved, are better viewed as value-of-service based at
16 the present time. Because the underlying value of its pooling and related services will not
17 change as a result of the rate case, DEO concluded that the most equitable approach was
18 to reduce each Energy Choice Pooling Service fee by the GRT Rider effect so that the
19 total fee after its imposition would remain unchanged. DEO will seek approval to make
20 similar changes to the Commission-approved contracts for non-Energy Choice pooling
21 services upon approval of the proposed GRT Rider.

1 **Q75. Do you have any other comments regarding the proposed GRT Rider?**

2 **A75. Yes. Although a similarly applicable GRT Rider has been approved for Vectren Energy**
3 **Delivery of Ohio, there does not appear to be a standard methodology that the**
4 **Commission has settled upon to determine the appropriate rate. DEO calculated its**
5 **proposed rate by dividing the adjusted test year GRT expense by adjusted test year**
6 **revenues excluding those applicable to customers statutorily exempt from payment of**
7 **gross receipts taxes. Due to the portion of total revenues that are not subsequently**
8 **received as a taxable receipt, the resulting rate is below the statutory rate of 4.75%, even**
9 **though the calculation factored in the tax-on-tax effect. DEO believes that it would be**
10 **helpful for the Commission to establish a standard methodology that would enable parties**
11 **to develop a proposed GRT Rider rate on a more consistent basis.**

12 **New Riders**

13 **Q76. Please describe the new riders that the Company has proposed in its Application.**

14 **A76. The first of the two new riders proposed by DEO is an AMR Cost Recovery Charge,**
15 **which would initially be set at \$0.000 per mcf. The charge is intended to recover the**
16 **depreciation, incremental property taxes and post in-service carrying charges associated**
17 **with the Company's proposed five-year AMR deployment that are not recovered in**
18 **another manner, such as through the amortization of DEO's over-accrued depreciation**
19 **reserve described previously. The amount to be recovered by the proposed charge is a**
20 **function of the pace and cost of deployment, the magnitude of meter reading savings**
21 **achieved as a result of the program, and amounts that are recovered in another manner.**
22 **DEO proposes to implement the charge as an addition to the otherwise applicable**
23 **monthly service charge for customers receiving service under the Company's sales and**

1 Energy Choice rate schedules as well as the General Transportation Service ("GTS") and
2 Transportation Service for Schools ("TSS") rate schedules. Further details regarding
3 periodic updates of the rate and other provisions are contained in the Company's
4 application filed in Case No. 06-1453-GA-UNC which, as indicated, DEO will request
5 the Commission to consolidate with this proceeding. The other new rider proposed by
6 the Company under the alternative regulation provisions of Section 4929.05, Ohio
7 Revised Code, is the SRR.

8 **Q77. Please describe the SRR.**

9 A77. Simply stated, the SRR will provide the company the opportunity to collect the revenue
10 requirement that will be ordered by the Commission in this rate case. The proposed
11 mechanism will permit recovery of the difference between the Company's weather-
12 normalized actual base revenues and those approved in this case, as adjusted for customer
13 additions. As such, it will enable DEO to promote energy efficiency by decoupling the
14 link between gas consumption and the company's ability to meet its revenue
15 requirements. The proposed rider will apply only to the company's sales and Energy
16 Choice customer classes because gas consumption by the traditional transportation
17 customer class is heavily influenced by market and economic considerations, which may
18 outweigh broader energy conservation trends in the class.

19 **Q78. Has the Commission previously considered the merits of such a mechanism?**

20 A78. Yes. The Commission has already considered such a rider in Case No. 05-1444-GA-
21 UNC involving Vectren Energy Delivery of Ohio ("VEDO"). In its June 27, 2007,
22 Supplemental Opinion and Order in the case, the Commission noted the factors that it
23 considered in approving the mechanism, such as:

1 The Commission continues to believe that it is in the public interest, in order to
2 promote energy efficiency, to decouple the link between gas consumption and the
3 company's ability to meet its revenue requirements. As we stated in the Opinion
4 and Order in this proceeding, the Commission believes that the linking of gas
5 consumption with the public utility's ability to meet its revenue requirements is
6 counterproductive to energy efficiency. Further, as we stated in the Opinion and
7 Order, we continue to believe that recovering fixed cost, such as those related to
8 the distribution system, through the SRR would eliminate the counterproductive
9 impact of VEDO promoting conservation. (Opinion and Order at 16). Therefore,
10 the Commission finds that the SRR, which would decouple the link between gas
11 consumption by consumers and the company's ability to meet revenue
12 requirements, is in the public interest. (Supplemental Opinion and Order at 18-
13 19)

14 **Q79. Is approval of an SRR mechanism consistent with other policy statements regarding**
15 **energy efficiency objectives?**

16 **A79.** Yes. Approval of such a mechanism would be consistent with a resolution adopted by
17 the National Association of Regulatory Utility Commissioners ("NARUC") Board of
18 Directors on August 2, 2006, supporting the National Action Plan on Energy Efficiency.
19 One of the key elements of that plan was to "[m]odify prices to align utility incentives
20 with the delivery of cost-effective energy efficiency and modify ratemaking practices to
21 promote energy efficiency investments." Approval of DEO's proposed SRR and
22 increased DSM spending would also be consistent with the state policy to "encourage
23 innovation and market access for cost-effective supply- and demand-side natural gas
24 services and goods," as stated in Section 4929.02(A)(4), Ohio Revised Code.

25 **Q80. What factors led DEO to propose an SRR mechanism?**

26 **A80.** Like other utilities, DEO's average weather-normalized use per customer ("UPC")
27 declined at a moderate rate of 1-2% per year until prices began to rise substantially,
28 culminating in a year-over-year UPC decline of over 6% when prices reached their all-
29 time peak during the 2005-2006 winter in the aftermath of hurricanes Katrina and Rita.
30 While the conservation rate has since declined, the potential for future price-induced

1 conservation remains and would be exacerbated should the Commission approve the
2 Company's expanded DSM funding, which over three years could increase 157% from
3 \$3.5 million to \$9.0 million. Absent an SRR mechanism, DEO would be ill-served by
4 continuing its current DSM spending level, much less increase it by such a large
5 percentage.

6 As noted in the Alt. Reg. Exhibit B included in the Application, moving to a straight
7 fixed variable rate design would address the problem of declining UPC more effectively
8 by permitting much greater recovery of fixed charges in a demand rate rather than a
9 usage charge. However, that rate design is inconsistent with the Commission's historical
10 approach to calculating customer related cost, which significantly understates the amount
11 of costs that do not vary with usage. Under the circumstances, the SRR represents an
12 acceptable means to achieve an outcome consistent with traditional rate of return
13 regulation within the historical rate design approach utilized by the Commission.

14 **Changes to Rules and Regulations**

15 **Q81. Please describe the general changes that DEO is proposing to its Rules and**
16 **Regulations for gas service.**

17 **A81.** Each change proposed in the Company's Rules and Regulations is explained in
18 considerable detail in Schedule E-3. In general terms, the proposed changes are intended
19 to:

- 20 • Clarify the Company's and customers' rights and obligations in the rendition and
21 receipt of gas service under the Company's tariffs.
- 22 • Improve consistency with the newly enacted minimum gas service standards and
23 strengthen credit and collection provisions where appropriate.

- Adjust charges to better reflect current costs and cost causality by customers. New charges described in the narrative rationale include the late payment fee, a returned item fee, a collection fee and an investigation fee.

Q82. Does DEO plan to ease the transition to a late payment fee?

A82. Yes. As noted in the provisions of the late payment fee, late payment charges will not be assessed to PIPP customers or those participating in the PIPP arrearage-crediting program. In addition, late payment charges will not be assessed to customers participating in a short-term payment plan or the budget billing plan provided they make the minimum payment required under the plan by the bill due date. Those provisions ensure that customers on approved payment plans will not be charged additional amounts as long as they meet their obligations under the plan.

To further ease the transition to a late payment fee, the proposed provisions will not take effect until 180 days after new tariffs are approved in this case. Until that time, the previously approved late payment charge provisions will remain in place. The 180-day period corresponds to the company's default 1/6 payment plan and affords customers ample opportunity to reduce or eliminate delinquent amounts and thus reduce or avoid any additional charges associated with the late payment fee.

Q83. Please explain why the Company is not proposing to make any changes to the monthly service charges currently in effect for the East Ohio division of DEO.

A83. As indicated previously, DEO considered the option to completely modify its rate design to provide greater fixed cost recovery in a demand rate using a straight fixed variable or similar rate design. The Company performed an assessment of its monthly service charges using the various accounts that Staff has used with few changes since 1978. The assessment revealed that, without a change to more accurately reflect the Company's

1 unvarying costs that occur as a result of customer connections to the system regardless of
2 usage, the accounts would not support an increase in the monthly service charges. Given
3 the low probability that Staff would embrace a change in a methodology that it has used
4 for nearly thirty years, the Company decided to concentrate instead on obtaining approval
5 of a mechanism that would improve the chances of obtaining its base revenue
6 requirement. That ultimately led DEO to seek approval of the SRR.

7 **Q84. Please describe the information shown in Schedule E-5.**

8 A84. Schedule E-5 is an exhibit that was included in the Company's pre-filing notice which
9 presents typical bills for each schedule of user at various consumption levels under both
10 current and proposed rates.

11 **VIII. F SCHEDULES (PROJECTED FINANCIAL DATA)**

12 **Q85. Please describe the information presented in the various Section F schedules that**
13 **you are sponsoring.**

14 A85. Section F includes projected financial data for operating income, rate base and capital
15 structure for a one-year period beginning nine months after the application filing date.
16 Since the Company's Application was filed in August 2007, the period used for the
17 forecast was the 12-month period beginning June 2008. The projected data is prepared
18 under two scenarios—one assuming no rate increase and the other assuming that 100% of
19 the requested increase is granted. Schedules F-1 and F-1A show projected operating
20 earnings, while Schedules F-2 and 2A show the projected jurisdictional rate base as of
21 May 31, 2009, under the two scenarios. DEO combined Schedules F-2.1 and F-2.1A for
22 the projected plant in service data because it concluded that capital spending would not
23 be materially affected in the short term by the rate case outcome due to the capital

1 budgeting process in place within Dominion. Schedules F-3 and F-3A display the capital
2 structure information, and Schedules F-4 and F-4A show the resulting changes in
3 financial position under the two sets of assumptions.

4 **Q86. What are some of the major assumptions used to prepare the schedules in Section**
5 **F?**

6 **A86.** For the most part, the forecasts reflect the general assumptions used in the latest plans for
7 2008 and 2009. The major non-tax differences from those plans involved how the
8 volumes were priced (*i.e.*, at either current or proposed rates) and the level of other O&M
9 and depreciation expense. The latter differences are caused by expense levels that will be
10 affected by the rate case outcome such as the treatment of the over-accrued depreciation
11 reserve, the level of DSM and GTI spending, and the amortization of several regulatory
12 assets and liabilities. Some expenses, such as those related to the PIPP and uncollectible
13 expense adjustment mechanisms, were not deemed to be affected by the rate case and
14 thus are the same under both scenarios. Certain taxes, such as property taxes and the
15 Senate Bill No. 287 excise tax, remain unchanged as well. The level of revenues and
16 earnings affects others, such as the gross receipts tax and the federal income tax. With
17 regard to financing, items such as long-term debt retirements are identical under both
18 scenarios, while earnings affect short-term borrowing requirements.

19 **IX. G SCHEDULES (ALTERNATIVE RATE PLAN)**

20 **Q87. What is the purpose of the Section G schedules?**

21 **A87.** Pursuant to Rules 4901:1-19-05(C)(2)(h) and (i), Ohio Administrative Code, a company
22 filing an alternative rate plan under Section 4929.05, Ohio Revised Code, is required to
23 submit the projected financial data contained in Section F throughout the proposed term

1 of the rate plan under the assumptions that the plan is adopted and not adopted. Section
2 G thus fulfills a purpose that is similar to Section F in that it examines projected financial
3 outcomes under scenarios where a company's request is granted and not granted. In the
4 case of Section G, however, the difference is whether the alternative rate plan is adopted,
5 not whether the requested rate relief is granted.

6 **Q88. How did the Company approach the task of projecting financial outcomes under**
7 **those scenarios?**

8 **A88.** In developing the financial projections under the two scenarios, DEO first had to
9 determine the term of its proposed alternative rate plan, which is comprised of the SRR
10 mechanism. In examining a recent longer-term financial forecast, it appeared that the
11 Company would likely file its next rate application by 2010 for rates to be effective in
12 2011 regardless of whether the SRR is approved. Unplanned events could delay or
13 expedite the Company's next rate case filing, and approval of the SRR would generally
14 lead to fewer rate cases over time. However, as a simplifying assumption, the Company
15 determined that 2008 through 2010 is a reasonable term over which to consider the
16 effects of its proposed rate plan.

17 After determining the period in question, the Company then considered the appropriate
18 perspective that should be used in developing the alternative scenarios. Because the
19 information is being presented in the context of a base rate proceeding, DEO concluded
20 that the most appropriate perspective was that of the ratemaking process. Thus, certain
21 items such as interest expense were calculated based on the rate setting process rather
22 than a projection based on financial modeling. Such a view provides a better
23 understanding of the resulting impact of rate plan approval from a regulatory perspective.

1 Another outcome of that decision was to use the working capital allowance proposed for
2 this case throughout the proposed term of the rate plan. That simplifying assumption was
3 necessitated in part by the absence of projected lead-lag study results and was also
4 intended to provide a consistent regulatory perspective over the forecast horizon.

5 The assumptions listed on Schedule G-1, page 2 of 2, provide additional details into the
6 Company's approach in developing the financial forecast over the 2008 through 2010
7 period. As noted in the third assumption in the aforementioned schedule, the plan
8 volumes do not reflect the incremental impact of the proposed expansion of DEO's DSM
9 program. Without any knowledge of the program that the proposed DSM stakeholder
10 group will design, DEO was unable to estimate the potential impact on weather-
11 normalized use per customer. The other assumptions listed on the schedule are intended
12 to highlight other elements of the financial forecast that influenced its outcome.

13 **Q89. What was the difference in the projected income under the two scenarios?**

14 **A89.** Based on the assumptions set forth on Schedule G-1, page 2 of 2, and the footnotes
15 included in the other schedules in Section G, the net income under the two scenarios over
16 the proposed term of the rate plan are as follows:

Scenario	2008	2009	2010
Alternative Rate Plan Adopted	\$81.5 million	\$72.4 million	\$61.7 million
Alternative Rate Plan Not Adopted	\$81.5 million	\$70.7 million	\$58.5 million

17
18 Given the probable timing of rates being approved in the case, DEO made the simplifying
19 assumption that the SRR would remain at \$0.000 per mcf in 2008. While a regulatory

1 asset would be established to track the impact of the SRR mechanism, the relatively
2 minimal adjustments expected for the last several months of 2008 were not reflected in
3 the projections developed for Section G. The above net income figures do not reflect the
4 typical test year adjustments that would be included in a base rate application. Hence,
5 returns on rate base that would be calculated using the information presented on
6 Schedules G-1 and G-1A are not indicative of the returns that would be utilized in the
7 rate setting process. Furthermore, because the plan volumes do not reflect the
8 incremental impact of the proposed expansion of DEO's DSM program, the difference
9 between the two forecasts understates the effect of the alternative rate plan.

10 **X. S SCHEDULES (BUDGETING, MANAGEMENT POLICIES)**

11 **Q90. Please describe the information shown in Schedules S-1 and S-2.1, 2.2 and 2.3.**

12 **A90.** Schedule S-1 displays the Company's most recent five-year capital expenditures budget
13 for projects by functional area. DEO's long-term capital budgeting process is performed
14 by major categories and, with few exceptions, does not include a forecast of projects'
15 start and completion dates or AFDC recognition. Many of the budgeted amounts
16 represent the accumulation of smaller capital expenditures needed to maintain the
17 performance of plant and equipment or extend its useful life. As a result, the schedule
18 displays the aggregation of expenditures by categories within each functional area.

19 Schedules S-2.1, 2.2 and 2.3 reflect the Company's most recent financial forecast
20 utilizing current rates to derive the income statement, balance sheet and statement of
21 changes in financial position as required by the Standard Filing Requirements. Because
22 those requirements indicate that schedules are to be based on a company's most recent
23 five-year financial forecast, the underlying assumptions and resulting projections differ

1 from the data presented in Section G, which was developed expressly to meet the
2 alternative rate plan provisions set forth in Rules 4901:1-19-05(C)(2)(h) and (i), Ohio
3 Administrative Code.

4 **Q91. What is Schedule S-3?**

5 A91. Schedule S-3 is the Company's proposed notice for newspaper publication that discloses
6 the substance of its Application. The proposed notice includes all of the information and
7 disclosures required by Rule 4901-7-01, Appendix A, Chapter II, (B)(7), Ohio
8 Administrative Code.

9 **Q92. Please describe the information contained in Schedule S-4.1.**

10 A92. Schedule S-4.1 is an executive summary of the corporate processes used by the board of
11 directors and corporate officers. This schedule discusses various elements of DEO's
12 processes, including policy and goal setting, strategic planning, the structure of the
13 Dominion organization, the processes through which decisions are reached, how control
14 is maintained of the corporation, and communication methods within and without the
15 Company.

16 **Q93. Please describe the information contained in Schedule S-4.2.**

17 A93. Schedule S-4.2 is an executive summary of DEO's management policies, practices and
18 organization that it utilizes to meet the corporate goals that are determined by senior
19 management. This schedule describes how these policies are implemented and
20 manifested in the context of various functional areas of DEO's operations.

1 **Q94. In your experience, have DEO's management practices and procedures been**
2 **adequate and efficient to carry out the Company's corporate goals and objectives?**

3 A94. Yes. Those goals and objectives focus on providing adequate, safe, cost-effective and
4 efficient gas service to customers. DEO's long-standing efforts to manage its costs were
5 instrumental in its ability to provide stable base rates in the thirteen-year period since
6 1994. The Company's Application in this proceeding seeks to expand benefits to
7 customers in such areas as system-wide AMR deployment and expanded DSM programs,
8 while ensuring that investors in the company receive an appropriate return on their
9 investment in the used and useful rate base needed to provide service. The Commission's
10 approval of the requested rate relief will support the continued financial stability of the
11 Company and ensure that customers will continue to receive the safe, cost-effective and
12 high-quality gas service that they deserve.

13 **Q95. Does this conclude your testimony?**

14 A95. Yes.

15
16 COI-1381363v3



THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0620-GA-AIR
Overall Financial Summary
For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference Nos.:

Schedule A-1
Page 1 of 1
Witness Responsible:
J. A. Murphy

Line No.	Description	Supporting Schedule Reference	Jurisdictional Proposed Test Year
1	Rate Base as of Date Certain	B-1	\$ 1,071,769,127
2	Current Operating Income	C-1	\$ 46,392,944
3	Earned Rate of Return (2 / 1)		4.33%
4	Requested Rate of Return	D-1	8.72%
5	Required Operating Income (1 x 4)		\$ 93,458,268
6	Operating Income Deficiency (5 - 2)		\$ 47,065,324
7	Gross Revenue Conversion Factor	C-10	1.61518
8	Revenue Deficiency (6 x 7)		\$ 76,019,111
9	Revenue Increase Requested Before Mirrored Revenue Offset	E-4	\$ 75,007,378
10	Adjusted Operating Revenues	C-1	\$ 1,053,898,931
11	Revenue Requirements (8 + 10)		\$ 1,128,904,309
12	Revenue Increase Requested After Impact of Transportation Migration Rider - Part B Credit	E-4	\$ 72,465,751 (a)

(a) \$2,541,627 of the total requested revenue increase will be applied as a credit to the Transportation Migration Rider - Part B. Accordingly, Dominion East Ohio will recognize a net revenue increase of \$72,465,751, as will be described in the testimony of Jeffrey A. Murphy.

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0829-GA-AIR
Jurisdictional Rate Base summary
As of March 31, 2007

Data: Actual
Type of Filing: Revised
Work Paper Reference Nos.:

Schedule B-1
Page 1 of 1
Witness Responsible:
J. A. Murphy

Line No.	Rate Base Component	Supporting Schedule Reference	Company Proposed Amount
1	Plant in service	B-2	\$ 1,939,317,268
2	Reserve for accumulated depreciation	B-3	(852,185,473)
3	Net plant in service (1 + 2)		1,087,131,795
4	Construction work in progress 75% complete	B-4	-
5	Working capital allowance	B-5	157,331,875
6	Contributions in aid of construction	B-6.2	-
7	Other rate base items	B-6	(172,694,543)
8	Jurisdictional rate base (3) through (7)		\$ 1,071,769,127

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO

Case No. 07-0829-GA-AIR

Jurisdictional Proforma Income Statement

For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated

Type of Filing: Revised

Work Paper Reference Nos.:

Schedule C-1

Page 1 of 1

Witness Responsible:

J. A. Murphy

Line No.	Description	Adjusted Revenue & Expenses	Proposed Increase	Proforma Revenue & Expenses
1	Operating Revenues	\$ 1,053,896,931	\$ 75,007,378	\$ 1,128,904,309
2	<u>Operating Expenses</u>			
3	Operating & Maintenance	854,355,340	2,541,626	856,896,966
4	Depreciation	48,661,472	-	48,661,472
5	Taxes - Other	<u>99,774,589</u>	<u>3,409,954</u>	<u>103,184,543</u>
6	Operating Expenses Before Income Taxes	1,002,791,401	5,951,580	1,008,742,981
7	Income Taxes	<u>4,712,586</u>	<u>24,169,529</u>	<u>28,882,115</u>
8	Total Operating Expenses	1,007,503,987	30,121,109	1,037,625,096
9	Net Operating Income	\$ <u>46,392,944</u>	\$ <u>44,886,269</u>	\$ <u>91,279,213</u>
10	Rate Base	\$ <u>1,071,769,127</u>		\$ <u>1,071,769,127</u>
11	Rate of Return	4.33%		8.52%

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO

Case No. 07-0829-GA-AJR

Adjusted Test Year Operating Income

For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated

Type of Filing: Revised

Work Paper Reference Nos.: WPC 2.1 Unadj

Schedule C-2

Page 1 of 1

Witness Responsible:

V. H. Frisco

Line No.	Description	Unadjusted Revenue & Expenses	Adjustments	Adjusted Revenue & Expenses
1	<u>Operating Revenues:</u>			
2	Base Revenues	\$ 337,572,199	\$ (13,774,631)	\$ 323,797,568
3	Gas Cost revenues	521,728,732	(56,995,032)	464,733,700
4	Riders	210,095,451	15,985,181	226,080,632
5	Other Operating Revenues	75,958,881	(36,673,850)	39,285,031
6	Total Operating Revenues	1,145,355,263	(91,458,332)	1,053,896,931
7	<u>Operating Expenses:</u>			
8	Purchased Gas	509,175,362	(44,441,662)	464,733,700
9	Gas Cost Related Riders	28,676,193	7,294,563	35,970,756
10	Uncollectibles Expense Riders	147,570,834	(6,917,885)	140,652,949
11	Other Operation & Maintenance	154,733,816	58,264,118	212,997,934
12	Total Operation and Maintenance	840,156,206	14,199,134	854,355,340
13	Depreciation	57,844,882	(9,183,410)	48,661,472
14	Tax Related Riders	53,608,925	(4,151,999)	49,456,926
15	Taxes Other Than Income Tax	50,942,031	(624,368)	50,317,663
16	Operating Expenses Before Fed Income Taxes	1,002,552,044	239,357	1,002,791,401
17	Federal Income Taxes	36,806,777	(32,094,191)	4,712,586
18	Total Operating Expenses	1,039,358,821	(31,854,834)	1,007,503,987
19	Net Operating Income	\$ 105,996,442	\$ (59,603,498)	\$ 46,392,944

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0829-GA-AIR
Adjusted Jurisdictional Federal Income Taxes
For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference Nos.: WPC-4.1, WPC-4.2, WPC-4.3

Schedule C-4
Page 1 of 2
Witness Responsible:
R. D. Taylor

Line No.	Description	At Current Rates			At Proposed Rates	
		Unadjusted (1)	Schedule C-3 Adjustments (2)	Adjusted (3)	Proforma Adjustments (4)	Proforma (5)
1	Operating Income Before F.I.T.	142,803,218	(91,697,689)	51,105,530	69,055,798	120,161,328
2	<u>Reconciling Items:</u>					
3	Interest charges	(35,261,204)	0	(35,261,204)	0	(35,261,204)
4	Tax Depreciation	56,986,180	0	56,986,180	0	56,986,180
5	Book Depreciation	57,844,882	(9,183,410)	48,661,472	0	48,661,472
6	Excess of Tax Over Book Depreciation	858,702	(9,183,410)	(8,324,708)	0	(8,324,708)
7	Other Reconciling Items (WPC-4.1 / 4.2)	(140,031,816)	52,179,630	(87,852,186)	201,282	(87,850,904)
8	Total Reconciling Items (3 + 6 + 7)	(174,434,318)	42,896,220	(131,438,098)	201,282	(131,236,816)
9	Taxable Income (1 + 8)	(31,631,099)	(48,701,469)	(80,332,568)	69,257,080	(11,075,488)
10	Federal Income Taxes @ 35%	(11,070,885)	(17,045,514)	(28,116,399)	24,239,978	(3,876,421)
11	Investment Tax Credits	0	0	0	0	0
12	Federal Income Taxes Current (10 + 11)	(11,070,885)	(17,045,514)	(28,116,399)	24,239,978	(3,876,421)

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0829-GA-AIR
Adjusted Jurisdictional Federal Income Taxes
For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference Nos.: WPC-4.1, WPC-4.2, WPC-4.3

Schedule C-4
Page 2 of 2
Witness Responsible:
R. D. Taylor

Line No.	Description	At Current Rates		At Proposed Rates	
		Unadjusted (1)	Schedule C-3 Adjustments (2)	Proforma Adjustments (4)	Proforma (5)
13	<u>Deferred Income Taxes:</u>				
14	Tax Depreciation	56,986,180	0	56,986,180	0
15	Book Depreciation	57,844,882	(9,183,410)	48,661,472	0
16	Excess of Tax Over Book Depreciation	(858,702)	9,183,410	8,324,708	0
17	Depreciation Deferred Income Tax @ 35%	(300,546)	3,214,194	2,913,648	0
18	Investment Tax Credit Deferred	0	0	0	0
19	Amortization of Prior Years ITC	(549,818)	0	(549,818)	0
20	Investment Tax Credit - Net	(549,818)	0	(549,818)	0
21	Other Tax Deferrals (WPC-4.3)	139,222,932	(52,179,630)	87,043,302	(201,282)
22	Other Deferred Income Tax @ 35%	48,728,026	(18,262,871)	30,465,156	(70,449)
23	Total Deferred Income Taxes (17 + 20 + 22)	47,877,662	(15,048,677)	32,828,986	(70,449)
24	Total Federal Income Taxes (12 + 23)	36,806,777	(32,094,191)	4,712,587	24,189,529
					28,882,116

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO

Case No. 07-0629-GA-AIR

Development of Jurisdictional Federal Income Taxes Before Adjustments
For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated

Type of Filing: Revised

Work Paper Reference Nos.: WPC-4.1, WPC-4.2, WPC-4.3

Schedule C-4.1
Page 1 of 2
Witness Responsible:
R. D. Taylor

Line No.	Description	Total Utility (1)	Allocation % (2)	Jurisdiction (3)	Allocation Code/ Explanation (4)
1	Operating Income Before F.I.T.	142,803,219	100	142,803,219	
2	Reconciling Items:				
3	Interest charges	(35,261,204)	100	(35,261,204)	
4	Tax Accelerated Depreciation	56,986,180	100	56,986,180	
5	Book Depreciation	57,844,882	100	57,844,882	
6	Excess of Tax Over Book Depreciation	858,702		858,702	
7	Other Reconciling Items (WPC-4.1 / 4.2)	(140,031,816)	100	(140,031,816)	
8	Total Reconciling Items (3 + 6 + 7)	(174,434,318)		(174,434,318)	
9	Taxable Income (1 + 8)	(31,631,099)		(31,631,099)	
10	Federal Income Taxes @ 35%	(11,070,885)		(11,070,885)	
11	Investment Tax Credits	0	100	0	
12	Federal Income Taxes Current (10 + 11)	(11,070,885)		(11,070,885)	

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0829-GA-AIR
Development of Jurisdictional Federal Income Taxes Before Adjustments
For the Twelve Months Ended December 31, 2007

Data: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference Nos.: WPC-4.1, WPC-4.2, WPC-4.3

Schedule C-4.1
Page 2 of 2
Witness Responsible:
R. D. Taylor

Line No.	Description	Total Utility (1)	Allocation % (2)	Jurisdiction (3)	Allocation Code/ Explanation (4)
13	<u>Deferred Income Taxes:</u>				
14	Tax Depreciation	56,986,180	100	56,986,180	
15	Book Depreciation	57,844,882	100	57,844,882	
16	Excess of Tax Over Book Depreciation	(858,702)		(858,702)	
17	Depreciation Deferred Income Tax @ 35%	(300,546)		(300,546)	
18	Investment Tax Credit Deferred	0	100	0	
19	Amortization of Prior Years ITC	(549,818)	100	(549,818)	
20	Investment Tax Credit - Net	(549,818)		(549,818)	
21	Other Tax Deferrals (WPC-4.3)	139,222,932	100	139,222,932	
22	Other Deferred Income Tax @ 35%	48,728,026		48,728,026	
23	Total Deferred Income Taxes (17 + 20 + 22)	<u>47,877,662</u>		<u>47,877,662</u>	
24	Total Federal Income Taxes (12 + 23)	<u>36,806,777</u>		<u>36,806,777</u>	

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
Cash Working Capital Allowance

Revised WPB-5.1
Prepared 9/12/2007

		Adjusted Revenues & Expenses	Days Lag	Weighted Dollar Days	Working Capital Requirements
(1) Revenue Lag Allowance	WPB-5.1a	\$ 930,511,472	52.90	49,224,056,869	\$ 134,860,430
(2) PIPP Revenues		123,355,456	-	-	-
(3) Total Revenue Lag Allowance (1) + (2)	C-2	1,053,866,930			134,860,430
Operation & Maintenance Expenses					
(4) Gas Purchases	C-2WPB-5.1h	464,733,700	39.70	18,449,827,890	50,547,745
(5) Payroll	C-2WPB-5.1i	73,428,182	27.54	2,022,211,306	8,540,305
(6) Uncollectibles - PIPP	C-2	82,896,153	-	-	-
(7) Uncollectibles - Non-PIPP	WPC-3.4C-2.1.4	47,905,151	62.90	2,534,182,488	8,942,968
(8) Benefits	C-2WPB-6.1k	14,554,267	12.60	183,383,638	502,421
(9) Benefits - OPES	C-9	6,314,722	172.64	1,090,173,806	2,986,777
(10) Insurance	C-2.1.5WPB-5.1n	146,000	(160.90)	(23,491,400)	(64,360)
(11) Claims	C-2.1.5WPB-5.1n	3,635,941	26.80	97,443,219	268,988
(12) Other O&M Expenses	C-2	150,739,284	40.07	6,040,804,687	16,549,602
(13) Subtotal O&M Expenses (4) through (11)		854,355,340			83,272,426
(14) Depreciation	C-2	48,681,472	-	-	-
Federal & State Income Taxes					
(15) Current Income Taxes	C-4WPB-5.1o	(28,116,398)	37.88	(1,084,908,612)	(2,817,558)
(16) Deferred Income Taxes	C-4	33,378,804	-	-	-
(17) Net LTC	C-4	(549,818)	52.90	(29,085,372)	(79,696)
(18) Subtotal Income Taxes (14) through (16)	C-4	4,712,587			(2,987,244)
Taxes Other Than Income Taxes:					
(19) Property Tax	WPC-2.1.6 and WPB-5.1r	18,586,398	289.43	5,382,355,473	14,746,178
(20) Gross Receipts	WPB-5.1u	48,281,331	103.75	4,801,689,081	13,155,910
(21) Excise Tax	WPB-5.1s	26,812,059	90.13	2,416,570,878	6,820,742
(22) Payroll Taxes	WPC-2.1.8	5,613,220	27.54	154,588,079	423,529
(23) PUCC & OCC Maintenance	WPB-5.1v	2,003,629	210.58	421,924,195	1,155,957
(24) Sales & Use Taxes	WPB-5.1t	487,952	31.01	14,511,192	39,767
(25) Subtotal Other Taxes (18) through (23)	C-2	99,774,589			38,141,474
(26) Interest Expense	C-4WPB-5.1p	35,261,204	80.48	3,189,728,514	8,738,982
(27) Preferred Stock		-	-	-	-
(28) Return On Common Equity		11,131,738	-	-	-
(29) Subtotal Capital Structure Items (25) through (28)	C-2	46,392,942			8,738,982
(30) Expense Lag Allowance (12) + (13) + (17) + (24) + (28)		\$ 1,053,866,930			125,155,630
(31) Net Revenue/Expense Lag					9,704,792
(32) Supplier Billings	WPB-5.1e-g				48,022,630
(33) Total Cash Working Capital (3) - (29) + (30)					\$ 55,727,422

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0828-GA-AIR
Rate of Return Summary

Schedule PCD-1
Page 1 of 1
Witness Responsible:
M. Vilbert

Date of Capital Structure: March 31, 2007
Type of Filing: Revised
Work Paper Reference Nos.:

Line No.	Class of Capital	Reference	Amount	% of Total	(%) Cost	Weighted Cost (%)
1	Long-Term Debt	D-3	\$ 16,487,054,606	54.33%	6.05%	3.29%
2	Preferred Stock	D-4	251,495,616	0.83%	6.25%	0.05%
3	Common Equity		<u>13,592,347,823</u>	44.84%	12.00%	<u>5.38%</u>
4	Total Capital		<u>\$ 30,310,898,045</u>			<u>8.72%</u>
5	Accumulated Deferred Investment Tax Credit		\$ 32,610,491			
6	Accumulated Deferred Income Taxes (Accelerated Amortization)		\$ -			
7	Accumulated Deferred Income Taxes (Other Property)		\$ 5,613,175,736			

Note: Data provided is for Dominion Resources, Inc. - Consolidated

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0823-GA-AIR
Embedded Cost of Long-Term Debt

Schedule PCID-3
Page 1 of 2
Witness Responsible:
M. Whitt

Date of Long-Term Debt: March 31, 2007
Type of Filing: Revised
Work Paper Reference No.:

Line No.	Debt Issue Type, Coupon Rate	Date Issued (MM/DD/YYYY)	Maturity Date (MM/DD/YYYY)	Coupon Rate (%)	Principal Amount (\$)	Face Amount Outstanding (\$)	Unamortized (Discount) or Premium (\$)	Unamortized Debt Expense (\$)	Unamortized Gain (Loss) on Resale, Debt (\$)	Carrying Value (1=E-F+G+H)	Other Related Unamortized Costs* (\$)	Fair Value (5=E-F+G+H+J)	Amortized Interest Cost (L)
1	Dominion Resources, Inc. - Consolidated	12/01/1997	12/1/2027	7.800%	257,732,000	257,732,000	-	14,476,102	-	242,255,898	-	242,255,898	30,442,319
2	7.50% JSD - Institutional	1/15/2001	1/15/2031	8.400%	257,732,000	257,732,000	(2,701,497)	2,496,229	-	255,030,503	-	252,814,274	21,715,670
3	6.4% JSD - Institutional	10/23/2001	10/21/2041	7.900%	206,198,876	206,198,876	-	6,483,255	-	199,715,621	-	199,715,621	16,117,265
4	7.50% JSD - Retail	8/23/2002	7/30/2042	7.375%	412,371,150	412,371,150	-	12,751,220	-	399,619,930	-	399,619,930	30,483,939
5	7.375% JSD - Retail	8/23/2002	8/22/2037	6.100%	84,537,650	84,537,650	-	550,881	-	84,016,769	-	84,016,769	10,374,430
6	Potomac - Bank	8/22/2007	8/22/2037	7.100%	12,615,260	12,615,260	-	-	-	12,615,260	-	12,615,260	868,634
7	Potomac - Equity	8/22/2007	8/22/2037	6.100%	282,947,100	282,947,100	-	237,388	-	282,709,712	-	282,709,712	13,004,221
8	Potomac - Futures CP	8/22/2007	8/22/2037	6.100%	130,000,000	130,000,000	-	84,218	-	129,915,782	-	129,915,782	7,016,428
9	MTN FQ	7/14/1992	7/14/2007	7.825%	215,000,000	215,000,000	(8,360)	64,218	(584,170)	214,385,782	(23,587)	214,385,782	18,057,178
10	22-D Mtg Bond	3/6/1992	2/1/2019	-	-	-	-	-	-	-	-	-	18,422
11	LOR 85-A (15M) Mtg Bond	9/30/1993	2/1/2019	-	-	-	-	-	-	-	-	-	64,337
12	LOR 85-A (15M) Mtg Bond	1/13/1993	2/1/2019	-	-	-	-	-	-	-	-	-	47,327
13	LOR 85-A (15M) Mtg Bond	4/28/1993	12/28/2008	12.500%	6,000,000	6,000,000	-	2,740,508	-	3,259,492	-	3,259,492	15,928,626
14	Danaher Mortgage (C)	12/28/1994	12/1/2008	7.350%	60,000,000	60,000,000	-	-	-	59,999,999	(32,951)	59,967,048	2,328,982
15	85-A KINCAID	10/8/1994	8/1/2018	3.710%	11,200,000	11,200,000	-	-	-	11,200,000	184	11,200,184	415,500
16	Prince William BE	11/20/1996	8/1/2018	3.750%	7,400,000	7,400,000	-	-	-	7,400,000	(94,941)	7,305,059	298,412
17	Grant BE	12/9/1997	12/1/2015	3.850%	58,000,000	58,000,000	-	-	-	58,000,000	(47,266)	57,952,734	2,181,951
18	Hallfax BE	11/24/1992	11/1/2017	3.880%	19,000,000	19,000,000	-	-	-	19,000,000	(167,784)	18,832,216	727,843
19	Grant BE	3/20/1994	3/1/2024	3.740%	24,500,000	24,500,000	-	-	-	24,500,000	(102,110)	24,397,890	927,140
20	Grant BE	2/28/1995	2/1/2024	3.460%	19,500,000	19,500,000	-	-	-	19,500,000	(205,980)	19,294,020	827,182
21	Grant BE	1/20/1994	1/1/2024	2.850%	30,000,000	30,000,000	-	-	-	30,000,000	(333,443)	29,666,557	1,082,582
22	Louisa BE	4/29/1997	4/1/2022	4.350%	10,000,000	10,000,000	-	-	-	10,000,000	(143,363)	9,856,637	244,368
23	Louisa BE	9/19/2000	9/1/2030	4.850%	60,000,000	60,000,000	-	-	-	60,000,000	(60,397)	59,939,603	707,398
24	Louisa BE	2/28/2001	2/1/2031	4.850%	35,000,000	35,000,000	-	-	-	35,000,000	(130,224)	34,869,776	2,380,466
25	Louisa BE	9/10/1997	9/1/2017	5.875%	40,000,000	40,000,000	-	-	-	40,000,000	(112,333)	39,887,667	773,333
26	Charterfield 87C (post fee)	6/4/1997	6/1/2017	5.875%	38,000,000	38,000,000	-	-	-	38,000,000	(29,435)	37,970,565	2,417,370
27	Charterfield 87B (post fee)	6/4/1997	6/1/2017	5.875%	40,000,000	40,000,000	-	-	-	40,000,000	(58,149)	39,941,851	3,873,488
28	Charterfield 87A (post fee)	11/13/1995	10/1/2009	5.800%	70,000,000	70,000,000	-	-	-	70,000,000	(10,439)	69,989,561	1,597,280
29	Charterfield 86 (post fee)	11/21/1995	7/1/2009	5.500%	82,000,000	82,000,000	-	-	-	82,000,000	(38,549)	81,961,451	3,277,751
30	York BE (post fee)	11/23/1995	11/1/2008	5.250%	82,000,000	82,000,000	-	-	-	82,000,000	-	82,000,000	1,540,824
31	Charterfield 85 (post fee)	12/18/1995	12/1/2008	6.500%	24,500,000	24,500,000	-	-	-	24,500,000	-	24,500,000	161,864
32	Charterfield 84 (post fee)	8/18/2004	10/1/2017	7.850%	5,400,000	5,400,000	641,321	1,344,172	(39,322,950)	475,343,282	17,848,107	466,191,439	34,978,484
33	Charterfield 83C (post fee)	2/13/2004	2/1/2038	6.000%	47,000,000	47,000,000	105,393	767,043	-	47,772,436	11,638,416	59,410,852	21,594,255
34	Charterfield 82C (post fee)	2/13/2004	2/1/2038	6.000%	1,000,000,000	1,000,000,000	-	-	-	1,000,000,000	-	1,000,000,000	28,393,708
35	Charterfield 82B (post fee)	2/13/2004	2/1/2038	6.000%	385,000,000	385,000,000	-	-	-	385,000,000	-	385,000,000	66,898,087
36	Charterfield 82A (post fee)	2/13/2004	2/1/2038	6.000%	400,000,000	400,000,000	-	-	-	400,000,000	-	400,000,000	21,906,600
37	Charterfield 82 (post fee)	2/13/2004	2/1/2038	6.000%	700,000,000	700,000,000	-	-	-	700,000,000	-	700,000,000	22,208,069
38	Charterfield 81 (post fee)	2/13/2004	2/1/2038	6.000%	190,000,000	190,000,000	-	-	-	190,000,000	-	190,000,000	87,016,424
39	Charterfield 80 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	10,894,098
40	Charterfield 79 (post fee)	2/13/2004	2/1/2038	6.000%	450,000,000	450,000,000	-	-	-	450,000,000	-	450,000,000	34,702,608
41	Charterfield 78 (post fee)	2/13/2004	2/1/2038	6.000%	200,000,000	200,000,000	-	-	-	200,000,000	-	200,000,000	28,620,880
42	Charterfield 77 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	11,630,724
43	Charterfield 76 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	31,597,809
44	Charterfield 75 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	24,978,484
45	Charterfield 74 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	8,445,374
46	Charterfield 73 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	20,297,712
47	Charterfield 72 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	15,942,932
48	Charterfield 71 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	298,376,185
49	Charterfield 70 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	17,190,591
50	Charterfield 69 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	19,326,880
51	Charterfield 68 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	18,540,962
52	Charterfield 67 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	15,249,255
53	Charterfield 66 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	28,393,708
54	Charterfield 65 (post fee)	2/13/2004	2/1/2038	6.000%	500,000,000	500,000,000	-	-	-	500,000,000	-	500,000,000	28,393,708

THE EAST OHIO GAS COMPANY #100 DOMINION EAST OHIO
 Case No. 07-0829-GA-MR
 Embedded Cost of Long-Term Debt

Schedule FCD-3
 Page 2 of 2
 Witness Responsible:
 M. Vilibert

Date of Long-Term Debt: March 31, 2007
 Type of Filing: Revised
 Work Paper Reference No.:

Line No.	Debt Issue Type, Coupon Rate	Date Issued (Mo/Dy/Yr)	Maturity Date (Mo/Dy/Yr)	Coupon Rate (%)	Principal Amount (\$)	Face Amount Outstanding (\$)	Unamortized (Discount) or Premium (\$)	Unamortized Debt Expenses (\$)	Unamortized Gain (Loss) on Recog. Date (\$)	Carrying Value (F+E-G+H)	Other Related Unamortized Costs* (\$)	Full Carrying Value (K+E-F-G+H+I)	Annual Interest Cost (\$)
55	03-A \$r Notes	12/1/2003	3/1/2014	5.000%	200,000,000	200,000,000	(897,767)	1,074,888	-	197,998,059	(122,811)	197,875,248	10,258,458
56	03-C \$r Notes	12/1/2003	12/1/2015	5.250%	200,000,000	200,000,000	(1,146,304)	1,127,861	1,152,149	198,877,894	-	198,877,894	10,502,143
57	03-B \$r Notes	12/1/2003	12/1/2010	4.500%	230,000,000	230,000,000	(820,078)	871,773	-	229,178,249	-	229,178,249	10,773,676
58	04-ES	12/1/2003	12/1/2008	4.100%	225,000,000	225,000,000	(11,572)	587,649	-	224,400,778	4,701,263	229,102,042	13,598,799
59	04-A \$r Notes	1/1/2004	1/1/2015	5.300%	200,000,000	200,000,000	(58,172)	1,223,028	-	199,720,802	-	199,720,802	10,597,005
60	Remarked 00-E Notes	9/1/2004	9/1/2014	7.185%	250,000,000	250,000,000	(1,015,402)	2,345,111	-	250,000,000	2,588,918	252,588,918	17,465,398
61	04-A \$r Notes	11/1/2004	12/1/2014	5.000%	400,000,000	400,000,000	8,628,704	-	-	398,538,488	(967,141)	398,538,488	20,481,155
62	04-A \$r Notes (Mark Exchanges)	11/2/2004	10/1/2017	7.250%	100,000,000	90,000,000	1,108,540	-	-	161,108,540	-	161,108,540	10,525,339
63	04-A \$r Notes (Mark Exchanges)	10/21/1996	10/1/2008	8.875%	160,000,000	160,000,000	(2,121,525)	2,486,898	-	258,381,478	(5,747,148)	258,644,330	21,122,260
64	04-A \$r Notes (Mark Exchanges)	12/1/1997	12/1/2007	8.880%	300,000,000	300,000,000	(39,588)	161,636	-	299,758,208	(804,388)	299,962,596	10,426,788
65	04-A \$r Notes (Mark Exchanges)	12/1/1998	12/1/2008	6.625%	150,000,000	150,000,000	1,374,848	-	-	148,758,208	-	148,758,208	9,934,802
66	04-A \$r Notes (Mark Exchanges)	2/8/2000	2/1/2016	6.625%	62,328,321	62,328,321	(229,615)	1,404,389	-	298,365,997	-	298,365,997	14,857,817
67	05-A \$r Notes	6/20/2005	12/1/2010	4.750%	300,000,000	300,000,000	3,518,163	2,792,599	-	297,237,401	-	297,237,401	17,987,580
68	05-B \$r Notes	6/20/2005	6/1/2015	5.860%	200,000,000	200,000,000	(703,437)	1,794,478	-	201,734,826	-	201,734,826	11,876,846
69	05-B \$r Notes (Respect)	7/1/2005	7/1/2015	5.180%	500,000,000	500,000,000	(1,053,593)	3,914,657	-	498,937,157	(2,471,856)	496,465,301	28,616,223
70	05-C \$r Notes	11/30/2006	11/1/2016	5.400%	450,000,000	450,000,000	(1,124,789)	2,782,791	-	448,163,271	-	448,163,271	24,658,943
71	05-A \$r Notes	1/1/2008	1/1/2018	5.800%	550,000,000	550,000,000	-	4,902,886	-	543,972,847	-	543,972,847	33,089,417
72	05-B \$r Notes	2/21/2008	2/1/2018	5.887%	320,000,000	320,000,000	(18,432)	1,651,581	-	330,000,000	-	330,000,000	18,803,372
73	05-C \$r Notes	11/1/2008	11/1/2018	5.800%	250,000,000	250,000,000	-	-	-	248,348,607	(16,884,884)	241,463,723	16,106,791
74	05-A \$r Notes	12/1/2008	12/1/2018	2.125%	200,000,000	200,000,000	-	-	-	218,701,000	-	218,701,000	7,269
75	05-B \$r Notes	12/1/2008	12/1/2018	2.125%	219,258,000	219,258,000	-	-	-	218,701,000	-	218,701,000	4,702,802
76	05-C \$r Notes	12/1/2008	12/1/2018	2.125%	144,588	144,588	-	-	-	136,500	(1)	136,499	8,025
77	Fort Shaw	12/1/2004	1/1/2026	7.250%	287,215	287,215	-	-	-	280,619	(1)	280,618	20,346
78	Fort Euse	12/1/2004	1/1/2026	7.250%	2,133,078	2,023,450	-	-	-	2,023,450	(8)	2,023,442	146,701
79	Fort Moore	2/1/2005	3/1/2025	7.250%	8,156,544	5,989,215	-	-	-	5,989,215	-	5,989,215	434,943
80	Fort Lea	4/1/2005	4/1/2025	7.250%	300,000,000	300,000,000	(1,016,138)	4,828,716	-	294,155,147	-	294,155,147	22,523,647
81	05-A \$r Notes	9/23/2006	9/23/2016	7.500%	500,000,000	500,000,000	(857,836)	7,853,090	-	491,306,962	-	491,306,962	31,521,088
82	05-B \$r Notes	9/23/2006	9/23/2016	6.300%	500,000,000	500,000,000	-	-	-	-	-	-	-
Totals													\$ 988,833,880
Embedded Cost of Long-Term Debt (L/I)													6.08%
Full Embedded Cost of Long-Term Debt (L/I/K)													6.03%

Embedded Cost of Long-Term Debt (L/I)
 Full Embedded Cost of Long-Term Debt (L/I/K)

Note: Data provided is for Dominion Resources, Inc. - Consolidated

* Other Related Unamortized Costs may include one or more of the following: Preinsurance Hedge Lease/Gain, Embedded Option Receipt/Payment, and/or Swap Termination Gain/Loss.

** Put Bonds are amortized to Par Date.

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
Case No. 07-0829-GA-AIR
Embedded Cost of Preferred Stock

Date of Preferred Stock: March 31, 2007
Type of Filing: Revised
Work Paper Reference Nos.:

Schedule PCD-4
Page 1 of 1
Witness Responsible:
M. Vilbert

Line No.	Dividend Rate, Type, Par Value	Date Issued (A)	Dollar Amounts Outstanding at Par Value (\$) (B)	Premium or (Discount) (C)	Issue Expense (D)	Gain (Loss) on Recquired Stock (E)	Net Proceeds (F=B+C-D+E)	Annual Dividends (G)
1	\$5.00 Preferred Stock	5/25/1944	\$ 10,687,700	\$ 1,493,478	\$ 301,912	\$ 190,658	\$ 12,049,922	\$ 533,385
2	\$4.04 Preferred Stock	3/14/1950	1,292,600	29,342	212,844	185,293	1,294,391	52,221
3	\$4.20 Preferred Stock	3/14/1951	1,479,700	36,983	204,313	174,081	1,486,460	62,147
4	\$4.12 Preferred Stock	12/14/1955	3,253,400	58,284	243,727	180,309	3,248,286	134,040
5	\$4.80 Preferred Stock	8/1/1962	7,320,800	-	554,141	418,888	7,185,347	351,389
6	\$7.05 Preferred Stock	7/8/1993	50,000,000	-	570,801	(1,194,055)	48,235,134	3,525,000
7	\$8.98 Preferred Stock	8/18/1993	60,000,000	-	627,748	(2,590,002)	56,782,250	4,168,000
8	Flex MMP 2002 Series	12/12/2002	125,000,000	(1,909,154)	1,875,000	-	121,216,846	6,875,000
9	Issuance Cost re: Flex MMP 2002 Series		(1,916,654)					
10	Totals		\$ 257,087,345	\$ (293,058)	\$ 4,590,486	\$ (2,634,840)	\$ 251,495,616	\$ 15,721,182
11	Embedded Cost of Preferred Stock (G / F)							6.25%

Note: Data provided is for Dominion Resources, Inc. - Consolidated

Date of Long-Term Debt: March 31, 2007
Type of Filing: Revised
Work Paper Reference Nos.:

Schedule D-3
Page 1 of 1
Witness Responsible:
M. Vilbert

Line No.	Debt Issue Type, Coupon Rate	Date Issued (Mo/Day/Yr)	Maturity Date (Mo/Day/Yr)	Coupon Rate (C)	Principal Amount (D)	Face Amount Outstanding (E)	Unamortized (Discount) or Premium (F)	Unamortized Debt Expense (G)	Unamortized Gain (Loss) on Recog. Debit (H)	Carrying Value (I=E+F-G+H)	Annual Interest Cost (J)
1	The East Ohio Gas Company										
2	I-89-C EOG	11/1/1989	9/30/2019	8.950%	20,000,000	20,000,000	-	-	-	20,000,000	1,790,000
3	I-90-C EOG	12/1/1990	11/30/2015	7.400%	5,000,000	3,250,000	-	-	-	3,250,000	240,495
4	I-90-B EOG	12/1/1990	11/30/2015	7.400%	30,000,000	19,500,000	-	-	-	19,500,000	1,442,969
5	I-83-J EOG	12/31/1983	11/30/2013	6.800%	662,800	662,800	-	-	-	662,800	45,070
6	I-93-I EOG	12/31/1993	11/30/2013	6.800%	11,282,000	11,282,000	-	-	-	11,282,000	767,176
7	I-84-B EOG	5/31/1994	11/30/2013	6.800%	901,200	901,200	-	-	-	901,200	61,282
8	I-84-D EOG	5/31/1994	11/30/2013	6.800%	1,100,000	1,100,000	-	-	-	1,100,000	74,800
9	I-84-C EOG	5/31/1994	11/30/2013	6.800%	16,000,000	16,000,000	-	-	-	16,000,000	1,088,000
10	I-84-J EOG	12/30/1994	12/30/2014	8.750%	2,250,000	2,250,000	-	-	-	2,250,000	198,875
11	I-87-E EOG	1/31/1987	11/30/2008	6.750%	1,203,200	1,203,200	-	-	-	1,203,200	81,216
12	I-87-D EOG	1/31/1987	11/30/2008	6.750%	3,436,700	3,436,700	-	-	-	3,436,700	231,977
13	I-87-J EOG	12/15/2027	12/15/2027	6.950%	40,000,000	40,000,000	-	-	-	40,000,000	2,779,997
14	I-99-A EOG	3/30/1999	9/30/2010	6.200%	80,000,000	80,000,000	-	-	-	80,000,000	4,980,000
15	I-06-A EOG	10/12/2006	10/1/2016	6.340%	477,000,000	477,000,000	-	-	-	477,000,000	30,241,829
Totals					688,835,900	678,585,900	-	-	-	678,585,900	44,001,686
											8.503%

Embedded Cost of Long-Term Debt (J/I)

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 97-0829-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference No.: WPE-3.2a-h

Schedule E-3.2
Page(s) 1-3 of 16
Witness: C. Andrews

ALLOCATION FACTORS

ALLOCATION FACTORS									
#	Allocator	Base	RATE SCHEDULE				DTS/On-System	Storage	SYSTEM TOTAL
			G&S/ECTS	LYGSS/LYECTS	GT&T/SS				
INPUT ALLOCATORS									
1	Total Throughput	Mcf	143,308,810 56.3%	8,994,640 3.5%	51,982,159 20.4%		50,388,814 19.8%	0 0.0%	254,824,423 100.0%
2	Winter Throughput	Mcf	104,876,988 64.3%	8,337,343 3.9%	27,989,383 17.2%		23,982,134 14.7%	0 0.0%	183,185,848 100.0%
3	October-April Throughput	Mcf	123,713,181 62.0%	7,578,939 3.8%	36,181,255 16.1%		31,962,258 16.0%	0 0.0%	199,428,633 100.0%
4	On-system Sales	Mcf	48,141,801 96.4%	1,821,342 3.6%	0 0.0%		0 0.0%	0 0.0%	50,962,943 100.0%
5	Peak Day Requirements	Mcf	1,738,191 72.1%	101,758 4.2%	337,307 14.0%		231,768 9.6%	0 0.0%	2,407,024 100.0%
6	Excess Peak Day Requirement	Mcf	1,343,584 78.6%	77,118 4.5%	194,972 11.4%		93,771 5.6%	- 0.0%	1,709,422 100%
7	Winter Storage Requirement	Mcf	34,209,376 63.4%	2,014,273 3.7%	1,018,477 1.9%		- 0.0%	16,757,874 31.0%	54,000,000 100.0%
8	Excess Peak Storage Requirement	Mcf	464,034 62.9%	28,550 3.7%	10,458 1.4%		- 0.0%	231,343 32.0%	722,384 100.0%
9	Gathering Throughput	Mcf	11,238,676 28.5%	705,365 1.8%	21,308,109 64.1%		6,165,946 15.6%	0 0.0%	39,409,118 100.0%
10	Number of Customers	# of Customers	1,207,801 99.6%	2,248 0.2%	2,810 0.2%		78 0.0%	0 0.0%	1,213,037 100.0%
11	Transportation Customers	# of Customers	791,647 99.4%	1,769 0.2%	2,910 0.4%		78 0.0%	0 0.0%	796,394 100.0%
12	Industrial Customers	# of Customers	633 39.5%	148 8.2%	757 47.2%		65 4.1%	0 0.0%	1,803 100.0%
13	Customers, Low Pressure	# of Customers	838,450 99.7%	1,682 0.2%	817 0.1%		0 0.0%	0 0.0%	840,949 100.0%
14	Customers, Regulated Pressure	# of Customers	369,351 99.3%	566 0.2%	2,093 0.6%		78 0.0%	0 0.0%	372,088 100.0%
15	Revenue @ Current Rates (excludes EC gas cost/sales tax)	Whole Dollars	\$915,083,064 98.8%	\$38,632,131 3.7%	\$69,806,971 6.6%		\$19,680,354 1.9%	\$10,714,409 1.0%	\$1,053,898,930 100.0%

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0829-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference No.: WPE-3.2a-h

Schedule E-3.2
Page(s) 1-3 of 16
Witness: C. Andrews

ALLOCATION FACTORS

ALLOCATION FACTORS		#	Allocation	Basis	RATE SCHEDULE				DISCH-System	Storage	SYSTEM TOTAL
					GSS/ECTB	LVGS-SLV/ECTB	GTS/TSB				
INPUT ALLOCATIONS											
16	Base Rate Revenue	Whole Dollars	\$257,319,853 79.5%	\$9,888,536 3.1%	\$41,686,124 12.9%	\$14,896,265 4.6%	\$0 0.0%	\$323,797,568 100.0%			
17	Non-Tax Rider Revenue	Whole Dollars	\$182,230,959 88.2%	\$9,824,007 5.4%	\$14,337,582 5.1%	\$431,148 0.2%	\$0 0.0%	\$176,823,705 100.0%			
18	Tax-related Rider Revenue	Whole Dollars	\$43,846,087 88.7%	\$1,850,724 3.3%	\$2,786,310 5.8%	\$1,173,805 2.4%	\$0 0.0%	\$48,456,928 100.0%			
19	Other Revenue	Whole Dollars	\$13,594,079 34.6%	\$808,451 2.1%	\$10,887,948 28.0%	\$3,176,146 8.1%	\$10,714,408 27.3%	\$98,285,031 100.0%			
20	Purchased Gas Cost/Revenue (SSO)	Whole Dollars	\$448,072,268 96.4%	\$16,601,412 3.6%	\$0 0.0%	\$0 0.0%	\$0 0.0%	\$464,733,700 100.0%			
21	Non-Gas Cost Revenue	Whole Dollars	\$466,993,777 79.3%	\$21,970,719 3.7%	\$69,808,971 11.8%	\$19,680,354 3.3%	\$10,714,409 1.8%	\$588,163,230 100.0%			
22	Uncollectible Expense (FIPP + UER)	Whole Dollars	\$122,657,303 87.2%	\$7,688,483 5.6%	\$10,297,164 7.3%	\$0 0.0%	\$0 0.0%	\$140,852,949 100.0%			
23	FIP Rider Revenue	Whole Dollars	\$61,012,470 87.2%	\$5,084,670 5.5%	\$6,801,012 7.3%	\$0 0.0%	\$0 0.0%	\$62,898,153 100.0%			
24	Gas Cost Riders	Whole Dollars	\$29,573,688 82.2%	\$1,925,824 5.4%	\$4,040,428 11.2%	\$431,148 1.2%	\$0 0.0%	\$35,970,758 100.0%			
26	Revenue @ Proposed Rates (From Proposed Rate Design Calc)	Whole Dollars	\$992,055,913 87.9%	\$40,295,636 3.6%	\$65,908,072 5.8%	\$18,015,070 1.7%	\$11,829,616 1.0%	\$1,128,904,306 100.0%			

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0829-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
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ALLOCATION FACTORS

Allocator Basis

INTERNALLY GENERATED ALLOCATORS

		RATE SCHEDULE					SYSTEM TOTAL
		OS/JECTS	LVGSS/VECTS	GTS/TS\$	DTS/OT-System	Storage	
25	O&M @ Current Rates	Whole Dollars					
		\$174,282,593	\$5,322,976	\$17,914,584	\$10,259,949	\$5,217,822	\$212,097,934
		81.8%	2.5%	8.4%	4.8%	2.4%	100.0%
27	Gross Plant	Whole Dollars					
		\$1,474,812,059	\$67,444,003	\$228,801,702	\$134,382,508	\$46,086,945	\$1,889,517,268
		76.0%	3.0%	11.7%	6.9%	2.4%	100.0%
28	Other General Plant	Whole Dollars					
		\$41,130,283	\$1,679,775	\$8,842,444	\$3,937,984	\$1,351,086	\$54,741,551
		75.1%	3.1%	12.1%	7.2%	2.5%	100.0%
29	Net Plant	Whole Dollars					
		\$520,838,067	\$33,145,189	\$130,183,999	\$78,013,267	\$24,843,273	\$1,087,131,795
		75.6%	3.0%	12.0%	7.2%	2.3%	100.0%
30	Rate Base	Whole Dollars					
		\$821,480,583	\$38,583,824	\$125,086,869	\$65,176,558	\$21,461,993	\$1,071,769,127
		76.6%	3.8%	11.7%	6.1%	2.0%	100.0%

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0629-GA-AIR
COST OF SERVICE STUDY

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OPERATING INCOME SUMMARY

AT CURRENT RATES

Rate Schedule/Class				
System Total	GSS/ECTS	LVGSS/LVECTS	GTS/TSS	DTS/OFF-System Storage

OPERATING REVENUE (\$):

Base Rate Revenues	\$323,787,568	\$257,319,653	\$9,886,538	\$41,695,124	\$14,898,255	\$0
Gas Cost Revenues	\$484,733,700	\$448,072,288	\$16,661,412	\$0	\$0	\$0
Gas Cost Rider Revenue	\$35,970,756	\$29,573,656	\$1,925,524	\$4,040,428	\$431,148	\$0
Non-Tax Related Rider Revenue	\$140,652,949	\$122,657,303	\$7,698,483	\$10,297,164	\$0	\$0
Tax Related Rider Revenue	\$49,456,926	\$43,846,087	\$1,650,724	\$2,786,310	\$1,173,805	\$0
Other Revenue	\$39,285,031	\$13,584,079	\$809,451	\$10,987,948	\$3,179,146	\$10,714,408
TOTAL OPERATING REVENUE	\$1,053,886,930	\$815,083,064	\$38,632,131	\$69,806,871	\$19,680,354	\$10,714,408

OPERATING EXPENSES (\$):

Gas Cost	\$464,733,700	\$448,072,288	\$16,661,412	\$0	\$0	\$0
Gas Cost Related Riders	\$35,970,756	\$29,573,656	\$1,925,524	\$4,040,428	\$431,148	\$0
Non-Tax Related Rider Expense	\$140,652,949	\$122,657,303	\$7,698,483	\$10,297,164	\$0	\$0
Other Operation and Maintenance Expense	\$212,987,934	\$174,282,593	\$6,322,976	\$17,814,594	\$10,259,949	\$5,217,822
Depreciation Expense	\$48,661,472	\$41,470,983	\$838,999	\$3,853,879	\$2,275,397	\$112,512
Tax-Related Rider Expense	\$49,456,926	\$43,846,087	\$1,650,724	\$2,786,310	\$1,173,805	\$0
Other Taxes	\$50,317,663	\$39,471,333	\$1,662,531	\$5,875,703	\$2,478,341	\$1,029,756
Federal Income Taxes	\$4,712,587	(\$4,526,278)	\$579,784	\$7,289,382	\$158,636	\$1210,862
TOTAL OPERATING EXPENSES	\$1,007,503,967	\$894,847,666	\$36,440,434	\$51,807,461	\$16,777,475	\$7,570,952

NET OPERATING INCOME

\$46,382,942	\$20,215,399	\$2,191,697	\$17,938,511	\$2,902,878	\$3,143,457
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RATE BASE

\$1,071,768,127	\$821,480,883	\$38,583,824	\$125,065,869	\$65,176,558	\$21,461,993
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RATE OF RETURN - AT CURRENT RATES

4.33%	2.46%	5.68%	14.34%	4.45%	14.65%
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RECOMMENDED RATE OF RETURN

8.72%	8.72%	8.72%	8.72%	8.72%	8.72%
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REVENUE CONVERSION FACTOR

1.61518	1.61518	1.61518	1.61518	1.61518	1.61518
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REVENUE DEFICIENCY

\$76,019,114	\$83,049,049	\$1,894,307	(\$11,360,821)	\$4,491,045	(\$2,054,467)
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THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
 CASE NO. 07-0829-GA-AIR
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OPERATING INCOME SUMMARY

AT PROPOSED RATES

	Rate Schedule/Class				
	System Total	GSS/ECTS	LVGSS/LVECTS	GTS/TSS	DTS/Off-System
OPERATING REVENUE (\$)					
Base Rate Revenues	\$372,916,985	\$313,144,842	\$10,555,275	\$35,682,950	\$13,533,917
Gas Cost Revenues	\$484,733,700	\$448,072,288	\$16,661,412	\$0	\$0
Gas Cost Rider Revenue	\$35,688,596	\$29,573,656	\$1,925,524	\$3,736,268	\$431,148
Non-Tax Related Rider Revenue	\$140,652,950	\$122,667,303	\$7,698,483	\$10,297,164	\$0
Tax Related Rider Revenue	\$76,603,344	\$66,612,120	\$2,681,120	\$5,687,403	\$2,010,796
Other Revenue	\$38,430,733	\$12,995,704	\$773,821	\$10,504,287	\$3,039,208
TOTAL OPERATING REVENUE	\$1,128,904,306	\$992,065,913	\$40,295,636	\$65,908,072	\$19,015,070

OPERATING EXPENSES (\$)

Gas Cost	\$484,733,700	\$448,072,288	\$16,661,412	\$0	\$0
Gas Cost Related Riders	\$35,688,596	\$29,573,656	\$1,925,524	\$3,736,268	\$431,148
Non-Tax Related Rider Expense	\$140,652,950	\$122,667,303	\$7,698,483	\$10,297,164	\$0
Other Operation and Maintenance Expense	\$215,843,721	\$174,460,727	\$5,308,674	\$17,781,485	\$10,228,936
Depreciation Expense	\$48,661,472	\$41,470,883	\$838,989	\$3,863,879	\$2,275,397
Tax-Related Rider Expense	\$76,603,344	\$65,812,120	\$2,681,120	\$5,687,403	\$2,010,796
Other Taxes (Excludes GRT)	\$26,681,199	\$20,757,330	\$779,167	\$2,859,400	\$1,686,124
Federal Income Taxes	\$28,882,115	\$21,290,662	\$1,116,256	\$8,048,135	(\$78,479)
TOTAL OPERATING EXPENSES	\$1,037,625,086	\$923,884,768	\$37,107,635	\$50,273,734	\$18,552,921

NET OPERATING INCOME

	\$91,279,210	\$68,161,144	\$3,188,001	\$15,634,337	\$2,462,149
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RATE BASE

	\$1,071,768,127	\$821,480,883	\$38,583,824	\$125,065,869	\$65,176,558
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RATE OF RETURN - AT PROPOSED RATES

	8.52%	8.30%	8.26%	12.50%	3.78%
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GROSS RECEIPTS TAX RIDER RATE

	4.6044%				8.54%
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THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0829-GA-AIR
COST OF SERVICE STUDY

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OPERATING INCOME SUMMARY

Rate Schedule/Class					
System Total	GSS/ELECTS	LVGSS/LVECTB	GTS/TS	DTS/Off-System	Storage

PROPOSED RATES vs. CURRENT RATES

OPERATING REVENUE (\$):

Base Rate Revenues
Gas Cost Revenues
Gas Cost Rider Revenue
Non-Tax Related Rider Revenue
Tax Related Rider Revenue
Other Revenue

TOTAL OPERATING REVENUE
% CHANGE FROM CURRENT RATES

OPERATING EXPENSES (\$):

Gas Cost
Gas Cost Related Riders
Non-Tax Related Rider Expense
Other Operation and Maintenance Expense
Depreciation Expense
Tax-Related Rider Expense
Other Taxes (Excludes GRT)
Federal Income Taxes

TOTAL OPERATING EXPENSES

NET OPERATING INCOME

Revenue Sharing Impact
(Allocated on PIPP Rider Revenue)

Migration Rider B Credit Impact
(Allocated on SSO/Choice Volumes)

Net Change in Total Operating Revenue
% CHANGE FROM CURRENT RATES

Impact per Customer Per Month
Impact per MCF

\$49,119,417	\$55,825,189	\$668,738	(\$8,012,174)	(\$1,362,338)	\$0
\$0	\$0	\$0	\$0	\$0	\$0
(\$304,160)	\$0	\$0	(\$304,160)	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0
\$27,046,418	\$21,766,033	\$1,030,398	\$2,901,093	\$836,991	\$511,904
(\$854,298)	(\$898,374)	(\$35,630)	(\$483,659)	(\$138,937)	\$403,303
\$75,007,377	\$78,992,848	\$1,683,506	(\$3,898,900)	(\$666,284)	\$915,207
7.1%	8.4%	4.3%	-6.8%	-3.4%	8.5%
\$0	\$0	\$0	\$0	\$0	\$0
(\$304,160)	\$0	\$0	(\$304,160)	\$0	\$0
\$0	\$0	\$0	\$0	\$0	\$0
\$2,845,787	\$178,134	(\$18,302)	(\$133,110)	(\$31,013)	\$2,848,078
\$0	\$0	\$0	\$0	\$0	\$0
\$27,046,418	\$21,766,033	\$1,030,398	\$2,901,093	\$836,991	\$511,904
(\$23,638,464)	(\$18,714,003)	(\$883,364)	(\$2,816,303)	(\$793,217)	(\$429,577)
\$24,169,528	\$25,818,938	\$538,472	(\$1,241,247)	(\$237,316)	(\$705,319)
\$30,121,108	\$29,047,103	\$667,201	(\$1,593,727)	(\$224,656)	\$2,225,086
\$44,886,268	\$47,945,745	\$996,304	(\$2,305,173)	(\$440,729)	(\$1,309,879)
(\$11,021,795)	(\$9,811,632)	(\$603,265)	(\$806,888)	\$0	\$0
(\$2,541,827)	(\$2,391,525)	(\$150,102)	\$0.00	\$0.00	\$0.00
\$61,443,955	\$64,989,691	\$910,139	(\$4,705,798)	(\$865,284)	\$915,207
5.8%	7.1%	2.4%	-6.7%	-3.4%	8.5%
\$4.48	\$4.48	\$33.74	(\$134.76)	(\$710.77)	
\$0.45	\$0.45	\$0.10	(\$0.09)	(\$0.01)	

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0628-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
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SUMMARY OF OTHER O&M EXPENSES

Account Name	RATE SCHEDULES				
	SYSTEM TOTAL	GSS/ELECTS	LVGS/SILVECTS	GTS/TSS/FRTS	DTS/Oft-System Storage
760-769 Production & Gathering	\$3,348,288	\$854,293	\$59,895	\$1,809,389	\$522,711
814-837 Storage	\$8,303,903	\$4,957,476	\$290,557	\$125,305	\$0
850-867 Transmission	\$7,699,707	\$5,481,597	\$322,341	\$1,108,113	\$787,656
870-894 Distribution	\$63,181,372	\$50,099,728	\$2,022,350	\$6,593,518	\$4,485,776
901-905 Customer Accounts	\$31,984,633	\$31,696,438	\$50,739	\$170,427	\$30,952
907-910 Customer Service & Information	\$9,414,016	\$8,173,872	\$345,085	\$623,558	\$175,786
911-918 Sales	\$482,939	\$419,319	\$17,703	\$31,988	\$9,018
920-935 Administrative & General	\$88,605,076	\$72,499,870	\$2,214,306	\$7,452,288	\$4,268,039
TOTAL O & M @ CURRENT RATES:	\$212,997,934	\$174,282,593	\$5,322,976	\$17,914,594	\$10,259,849
					\$5,217,822

AT PROPOSED RATES

760-769 Production	\$3,348,288	\$854,293	\$59,895	\$1,809,389	\$522,711	\$0
813 Other Gas Supply Expense	\$2,845,787	\$0	\$0	\$0	\$0	\$2,845,787
814-837 Storage	\$8,303,903	\$4,957,476	\$290,557	\$125,305	\$0	\$2,930,565
850-867 Transmission	\$7,699,707	\$5,481,597	\$322,341	\$1,108,113	\$787,656	\$0
870-894 Distribution	\$63,181,372	\$50,099,728	\$2,022,350	\$6,593,518	\$4,485,776	\$0
901-905 Customer Accounts	\$31,984,633	\$31,696,438	\$50,739	\$170,427	\$30,952	\$16,077
907-910 Customer Service & Information	\$9,414,016	\$8,272,827	\$336,028	\$649,612	\$168,668	\$96,980
911-918 Sales	\$482,939	\$424,386	\$17,238	\$28,195	\$8,135	\$4,975
920-935 Administrative & General	\$88,605,076	\$72,573,872	\$2,207,525	\$7,398,925	\$4,255,138	\$2,171,517
TOTAL O & M @ PROPOSED RATES:	\$215,843,721	\$174,460,727	\$5,305,674	\$17,781,485	\$10,228,936	\$8,085,901
DIFFERENCE	\$2,845,787	\$178,134	-\$16,302	-\$133,110	-\$31,013	\$2,845,078

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0629-GA-MR
COST OF SERVICE STUDY

Data: 3 Months Actual & 9 Months Estimated
 Type of Filing: Reviewed
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OTHER O&M EXPENSE DETAILS

Account Item	RATE SCHEDULES					Allocation Basis	
	SYSTEM TOTAL	GSS/ECTS	LVGSS/VECTB	GT/TS/SPRTS	DTS/CR-System	Storage	
AT CURRENT RATES							
750-769 Production & Gathering	\$1,346,288	\$854,293	\$68,895	\$1,869,389	\$822,711	\$0	9 Gathering Throughput
814-837 Storage							Applicable only to Storage Class
Other Gas Supply Expenses	\$437,045	\$0	\$0	\$0	\$0	\$437,045	7 Winter Storage Requirements
Commodity Related (33.113%)	\$2,804,920	\$1,850,295	\$97,187	\$48,131	\$0	\$908,387	8 Excess Peak Storage Requirements
Capacity Related (66.887%)	\$5,261,935	\$3,307,241	\$183,380	\$76,175	\$0	\$1,685,132	
Total Storage	\$8,293,903	\$4,957,476	\$299,567	\$125,305	\$0	\$2,939,595	
850-867 Transmission							1 Total Throughput
Commodity Related (33.185%)	\$2,555,148	\$1,438,069	\$90,281	\$621,338	\$505,449	\$0	8 Excess Peak Day Requirements
Capacity Related (66.815%)	\$5,144,559	\$4,043,468	\$232,080	\$586,774	\$282,207	\$0	
Total Transmission	\$7,699,707	\$5,481,537	\$322,361	\$1,108,113	\$787,656	\$0	
870-894 Distribution							Customer Related:
Customer Related	\$16,720,961	\$16,848,798	\$30,997	\$40,113	\$1,075	\$0	10 Farc 872-8, 892-3: Number of Customers
Customer Related-Industrial	\$351,728	\$138,862	\$32,474	\$166,100	\$14,262	\$0	12 Farc 876, 890, Industrial Customers
Customer Related-Transportation	\$682,875	\$0	\$0	\$346,772	\$330,203	\$0	1 GTS/DTS Transportation Volumes Only
Commodity Related (33.185%)	\$16,627,812	\$8,739,490	\$548,622	\$3,168,209	\$3,071,651	\$0	1 Total Throughput
Capacity Related (66.815%)	\$31,263,946	\$24,572,821	\$1,410,368	\$3,585,869	\$1,714,880	\$0	8 Excess Peak Day Requirements
Total Distribution	\$48,181,572	\$39,899,728	\$2,022,350	\$6,553,918	\$4,483,776	\$0	
901-905 Customer Accounts							10 # of Customers
902-903 Meter Reading/Customer Records	\$22,108,846	\$22,813,414	\$40,972	\$53,038	\$1,422	\$0	16 % of GTS/TSS, DTS/CS, Storage Revenue
904 Uncollectible Accounts - Non Tracker	\$150,354	\$0	\$0	\$104,748	\$29,531	\$16,977	10* # of Customers (all but DTS)
AMR Deployment Expense	\$5,270,010	\$5,247,800	\$9,767	\$12,843	\$0	\$0	GSS/ECTS Customers Only
DSM program, Deposits	\$4,435,424	\$4,435,424	\$0	\$0	\$0	\$0	
Total Customer Accounts	\$31,964,533	\$31,696,438	\$50,739	\$170,427	\$30,962	\$16,977	
907-910 Customer Service & Information	\$9,414,016	\$9,173,872	\$345,085	\$623,556	\$175,796	\$95,707	15 Revenue @ Current Rates
911-916 Sales	\$482,936	\$419,319	\$17,709	\$31,898	\$9,019	\$4,910	15 Revenue @ Current Rates
920-935 Administrative & General							Calculated as Indicated:
Production Related	\$2,383,562	\$979,743	\$42,683	\$1,288,828	\$372,327	\$0	Production Share of O&M
Storage Related	\$5,914,873	\$3,631,212	\$206,964	\$89,255	\$0	\$2,087,442	Storage Share of O&M
Transmission Related	\$5,484,504	\$3,904,544	\$229,604	\$789,309	\$591,046	\$0	Transmission Share of O&M
Distribution Related	\$74,822,137	\$64,384,371	\$1,735,075	\$5,284,906	\$3,334,684	\$83,121	Dist. + Customer Info/Sales Share of O&M
Total Administrative & General	\$88,605,076	\$72,499,870	\$2,214,306	\$7,452,298	\$4,268,039	\$2,170,563	
TOTAL OTHER O & M EXPENSES (AT CURRENT RATES)	\$212,997,934	\$174,283,593	\$5,322,976	\$17,914,594	\$10,259,949	\$5,217,822	

THE EAST OHIO GAS COMPANY (aka DOMINION EAST OHIO)
CASE NO. 87-0828-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
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OTHER O&M EXPENSE DETAILS

Account Item	RATE SCHEDULES					Allocation Basis	
	SYSTEM TOTAL	GSECTS	LYGSS/LYECTS	GTSTSS/PTTS	DTSON/STSTST	Storage	
ALPROPOSED RATES							
750-760 Production & Gathering	\$3,346,289	\$864,263	\$88,895	\$1,890,369	\$522,711	\$0	9 Gathering Throughput
813 Other Gas Supply Expense	\$2,845,787	0	0	0	0	\$2,845,787	Applicable only to Storage Class
814-837 Storage							
Other Gas Supply Expense	\$437,045	\$0	\$0	\$0	\$0	\$437,045	Applicable only to Storage Class
Commodity Related (33.113%)	\$2,604,920	\$1,800,235	\$97,167	\$48,131	\$0	\$808,367	7 Winter Storage Requirements
Capacity Related (66.887%)	\$5,281,938	\$3,307,241	\$183,390	\$78,175	\$0	\$1,685,132	8 Excess Peak Storage Requirements
Total Storage	\$8,303,003	\$4,957,476	\$280,557	\$125,305	\$0	\$2,530,585	
850-867 Transmission							
Commodity Related (33.185%)	\$2,605,148	\$1,438,088	\$80,261	\$521,338	\$505,449	\$0	1 Total Throughput
Capacity Related (66.815%)	\$5,144,559	\$4,043,468	\$232,090	\$886,774	\$282,207	\$0	8 Excess Peak Day Requirements
Total Transmission	\$7,699,707	\$5,481,557	\$322,341	\$1,108,113	\$787,556	\$0	
870-884 Distribution							
Customer Related	\$16,720,961	\$16,646,786	\$30,957	\$40,113	\$1,075	\$0	Customer Related:
Customer Related-Industrial	\$351,728	\$138,892	\$32,474	\$168,100	\$14,262	\$0	10 Ferc 878-9, 882-3: Number of Customers
Customer Related-Transportation	\$882,975	\$0	\$0	\$346,772	\$336,203	\$0	12 Ferc 878, 880, Industrial Customers
Commodity Related (33.185%)	\$16,927,812	\$8,738,430	\$548,430	\$3,168,218	\$3,071,651	\$0	1 GTS/DTS Transportation Volumes Only
Capacity Related (66.815%)	\$31,283,646	\$24,572,621	\$1,410,368	\$3,565,889	\$1,714,980	\$0	1 Total Throughput
Total Distribution	\$63,181,372	\$59,999,728	\$2,022,350	\$6,593,518	\$4,463,778	\$0	8 Excess Peak Day Requirements
901-905 Customer Accounts							
902-903 Meter Reading/Customer Records	\$22,108,846	\$22,013,414	\$40,972	\$53,036	\$1,422	\$0	10 # of Customers
904 Unallocable Accounts - Non Tracer	\$160,354	\$0	\$0	\$104,746	\$29,531	\$16,077	15 % of GTS/ISS, DTSC/8, Storage Revenue
AMR Deployment Expense	\$5,270,010	\$5,247,600	\$9,767	\$12,643	\$0	\$0	10* # of Customers (* all but DTS)
DSM program, Deposits	\$4,435,424	\$4,435,424	\$0	\$0	\$0	\$0	GSECTS Customers Only
Total Customer Accounts	\$31,964,633	\$31,696,438	\$60,739	\$170,427	\$39,952	\$16,077	
907-910 Customer Service & Information							
911-916 Sales	\$9,414,816	\$8,272,827	\$336,828	\$549,812	\$158,648	\$96,980	25 Revenue @ Proposed Rates
	\$482,938	\$424,366	\$17,238	\$26,185	\$8,135	\$4,975	25 Revenue @ Proposed Rates
920-935 Administrative & General							
Production Related	\$2,383,582	\$879,743	\$42,683	\$1,288,828	\$372,327	\$0	Calculated as:
Storage Related	\$5,914,673	\$3,531,212	\$206,964	\$89,255	\$0	\$2,087,442	Production Share of O&M
Transmission Related	\$5,484,504	\$3,804,544	\$228,804	\$789,309	\$581,048	\$0	Storage Share of O&M
Distribution Related	\$14,822,137	\$64,458,473	\$1,728,294	\$5,229,533	\$3,321,763	\$84,075	Transmission Share of O&M
Total Administrative & General	\$88,605,076	\$72,573,972	\$2,207,925	\$7,396,925	\$4,255,138	\$2,171,517	Dist. + Customer Info/Sales Share of O&M
TOTAL OTHER O & M EXPENSES (AT PROPOSED RATES)	\$215,843,721	\$174,460,727	\$5,306,674	\$17,781,488	\$10,228,936	\$8,085,901	

**THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0339-GA-JR
COST OF SERVICE STUDY**

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
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DEPRECIATION EXPENSE

Item	RATE SCHEDULES				#	Allocation Basis
	SYSTEM TOTAL	GSSECTS	LVGBSALVECTS	GT&TSS/FRTS		
PRODUCTION						
Commodity Related	\$1,136,647	\$324,120	\$20,343	\$614,648	9	Gathering Throughput
TOTAL PRODUCTION DEPRECIATION	\$1,136,647	\$324,120	\$20,343	\$614,648		
STORAGE						
Commodity Related (33.113%)	-4612	-988	-23	-512	7	Winter Storage Requirements
Capacity Related (66.887%)	-\$1,236	-8777	-46	-\$18	8	Excess Peak Storage Requirements
TOTAL STORAGE DEPRECIATION	-\$1,846	-\$1,165	-\$68	-\$28		
TRANSMISSION						
Commodity Related (33.185%)	\$36,163	\$66,243	\$3,467	\$20,027	1	Total Throughput
Capacity Related (66.815%)	\$197,821	\$155,326	\$8,915	\$22,540	8	Excess Peak Day Requirements
TOTAL TRANSMISSION DEPRECIATION	\$236,774	\$210,568	\$12,382	\$42,567		
DISTRIBUTION						
Customer: Services, All Pressures	\$549,382	\$547,010	\$1,018	\$1,318	10	# of Customers
Customer: Services, Low Pressure	\$7,888,344	\$7,886,494	\$15,380	\$7,470	13	# of Customers, Low Pressure
Customer: Services, Regulated Pres.	\$8,120,686	\$8,076,864	\$9,310	\$34,428	14	# of Customers, Regulated Pressure
Customer: Meters & Regulators	\$4,000,868	\$3,983,399	\$7,414	\$9,597	10	# of Customers
Customer Related, Industrial	\$186,733	\$73,343	\$17,148	\$87,711	12	Industrial Customers
Commodity Related (33.185%)	\$4,851,860	\$2,730,755	\$171,393	\$989,951	1	Total throughput
Capacity Related (66.815%)	\$9,768,823	\$7,678,057	\$440,689	\$1,114,205	6	Excess Peak Day Requirements
TOTAL DISTRIBUTION DEPRECIATION	\$33,186,416	\$28,764,623	\$682,382	\$2,244,081		
SUBTOTAL DEPRECIATION	\$34,586,389	\$29,288,147	\$695,009	\$2,901,768		
GENERAL PLANT:						
Customer Related General Plant	\$4,777,078	\$4,758,469	\$8,853	\$11,480	10	# of Customers
Other General Plant						Calculated as:
Production Related	\$164,561	\$44,078	\$2,786	\$83,573		Production Share of Plant
Storage Related	\$0	\$0	\$0	\$0		Set to zero
Transmission Related	\$40,223	\$28,636	\$1,684	\$6,789		Transmission Share of Plant
Distribution Related	\$4,610,348	\$3,910,362	\$90,074	\$305,257		Dist. Customer Info/Sales Share of Plant
Sub-Total Other General Plant	\$4,705,131	\$3,963,095	\$94,525	\$384,619		Sub Total
TOTAL GENERAL PLANT DEPRECIATION	\$9,482,210	\$8,738,554	\$103,377	\$406,079		
INTANGIBLE PLANT DEPR.	\$4,582,373	\$3,442,893	\$140,813	\$556,034	28	Other General Plant
TOTAL DEPRECIATION EXPENSE	\$48,661,472	\$41,470,683	\$838,998	\$3,863,879		

\$112,512

THE EAST OHIO GAS COMPANY AND DOMINION EAST OHIO
CASE NO. 07-0828-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
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TAXES

Item	RATE SCHEDULES					#	Allocation Basis
	SYSTEM TOTAL	QSBECTS	LVGS&LYECTS	QTB/TS&PRTS	DTSON-System		
Taxes - Other (Current Rates)							
Public Utilities Excise (Gross Receipts) Tax	\$23,636,464	\$18,735,084	\$881,437	\$2,800,585	\$789,850	21	Non Gas Cost Revenue
Real and Personal Property	\$18,598,368	\$14,140,272	\$650,836	\$2,174,836	\$1,288,422	27	Gross Plant
Payroll	\$5,813,220	\$4,592,939	\$140,279	\$472,110	\$270,385	25	Total O&M Expense
PUCO/OCC Maintenance	\$2,000,820	\$1,738,883	\$73,448	\$132,714	\$37,410	15	Revenue @ Current Rates
Other	\$467,852	\$383,376	\$18,530	\$85,478	\$22,588	1	Total Throughput
TOTAL TAXES - OTHER	\$60,317,883	\$39,471,339	\$1,662,531	\$5,676,703	\$2,478,341		\$1,828,756
Taxes - Other (Proposed Rates)							
Real and Personal Property	\$18,598,368	\$14,140,272	\$650,836	\$2,174,836	\$1,288,422	10	Gross Plant
Payroll	\$5,813,220	\$4,592,939	\$140,279	\$472,110	\$270,385	17	Total O&M Expense
PUCO/OCC Maintenance	\$2,000,820	\$1,738,883	\$73,448	\$132,714	\$37,410	26	Revenue @ Proposed Rates
Other	\$467,852	\$383,376	\$18,530	\$85,478	\$22,588	1	Total Throughput
TOTAL TAXES - OTHER	\$26,861,199	\$20,717,330	\$778,167	\$2,859,400	\$1,665,124		\$600,176
Note: GRT is included in Tax Related Rider Expense under proposed rates							
Income Taxes at Current Rates							
Net Operating Income Before FIT	\$51,105,829	\$15,688,122	\$2,771,481	\$25,228,693	\$3,081,716		Calculated
Less Reconciling Items	-\$131,438,008	-\$99,942,464	-\$3,863,296	-\$16,371,587	-\$9,100,479	27	Gross Plant
Taxable Income	-\$80,332,569	-\$84,253,372	-\$1,121,816	\$8,857,306	-\$6,044,765		Calculated
Current Income Taxes (@ 35%)	-\$28,116,399	-\$29,488,680	-\$392,638	\$3,482,087	-\$2,118,868		Taxable Income x 35%
Deferred Income Taxes	\$33,378,804	\$25,390,472	\$986,706	\$3,903,828	\$2,312,597	27	Gross Plant
Investment Tax Credit	-\$549,818	-\$418,059	-\$18,288	-\$94,301	-\$38,063	27	Gross Plant
Total Federal Income Taxes	\$4,712,587	-\$4,828,278	\$678,784	\$7,389,382	\$158,838		Calculated
Income Taxes at Proposed Rates							
Net Operating Income Before FIT	\$120,181,326	\$89,451,808	\$4,304,287	\$21,882,473	\$2,383,070		Calculated
Less Reconciling Items	(\$131,236,816)	(\$88,788,444)	(\$3,867,304)	(\$15,348,047)	(\$9,082,534)		Gross Plant
Taxable Income	-\$11,075,490	(\$10,337,636)	\$416,922	\$8,334,425	(\$6,708,864)		Calculated
Current Income Taxes (@ 35%)	-\$3,876,422	(\$3,618,173)	\$145,823	\$2,217,049	(\$2,348,102)		Taxable Income x 35%
Deferred Income Taxes	\$33,308,955	\$25,326,904	\$986,819	\$3,895,387	\$2,307,716		Gross Plant
Investment Tax Credit	-\$549,818	(\$418,069)	(\$18,286)	(\$94,301)	(\$38,063)		Same as Current Rates
Total Federal Income Taxes	\$28,882,115	\$21,290,662	\$1,118,258	\$8,048,135	(\$78,478)		Calculated
Difference in Pre-Tax Income	\$69,056,796	\$73,762,684	\$1,532,776	(\$3,548,421)	(\$678,046)		Proposed minus Current (Pre)
Difference in Federal Income Taxes	\$24,169,528	\$25,818,938	\$536,472	(\$1,241,247)	(\$237,319)		Proposed FIT minus Current f

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-6629-GA-AIR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
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RATE BASE SUMMARY

Item	RATE SCHEDULES					# Allocation Basis
	SYSTEM TOTAL	GSSJECTS	LVGSSILVECTB	GTSYTS/FRTS	DIS/ON-System	Storage
TOTAL GAS PLANT IN SERVICE	\$1,838,317,266	\$1,474,812,059	\$57,444,053	\$226,801,702	\$134,302,509	\$48,086,946
TOTAL DEPRECIATION RESERVE	-\$652,166,473	-\$653,778,002	-\$24,298,855	-\$98,607,703	-\$56,349,242	-\$21,153,671
TOTAL NET CWIP	\$0	\$0	\$0	\$0	\$0	N/A
TOTAL WORKING CAPITAL	\$157,391,875	\$131,957,767	\$10,553,968	\$15,068,368	-\$871,842	\$623,613
LESS: RATE BASE DEDUCTIONS	-\$172,884,543	-\$131,312,942	-\$5,115,344	-\$20,106,497	-\$11,864,866	-\$4,104,893
TOTAL RATE BASE	\$1,071,769,127	\$821,480,883	\$38,683,824	\$125,068,869	\$66,176,568	\$21,461,983

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N/A
See page 16
27 Gross Plant

THE EAST OHIO GAS COMPANY c/o DOMINION EAST OHIO
CASE NO. 87-4829-GA-48
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
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GAS PLANT IN SERVICE

Item	SYSTEM TOTAL	GASSETS	LVGSSALVECTB	RATE SCHEDULES			Storage
				GT&TB/RTS	DISTOR-System		
PRODUCTION							
TOTAL PRODUCTION PLANT	\$80,787,406	\$26,860,716	\$1,825,007	\$49,098,132	\$14,181,550	\$0	
STORAGE							
Commodity Related (33.113%)	\$37,509,008	\$24,015,618	\$1,414,057	\$714,900	\$0	\$0	\$11,784,339
Capacity Related (66.887%)	\$78,578,190	\$48,126,783	\$2,814,378	\$48,126,783	\$0	\$0	\$24,623,471
TOTAL STORAGE PLANT	\$114,486,185	\$72,142,401	\$4,228,435	\$1,223,683	\$0	\$0	\$36,207,811
GAS STORED UNDERGROUND							
Commodity Related (33.113%)	\$7,576,898	\$4,863,170	\$288,347	\$144,786	\$0	\$0	\$2,382,283
Capacity Related (66.887%)	\$15,508,703	\$8,748,208	\$589,912	\$294,483	\$0	\$0	\$4,968,011
TOTAL GAS STORED UNDERGROUND	\$23,185,601	\$14,609,467	\$868,259	\$389,269	\$0	\$0	\$7,348,293
TRANSMISSION							
Commodity Related (33.165%)	\$89,303,554	\$38,033,885	\$2,449,529	\$14,150,516	\$13,719,261	\$0	\$0
Capacity Related (66.835%)	\$130,637,117	\$108,761,368	\$6,298,273	\$108,761,368	\$7,658,846	\$0	\$0
TOTAL TRANSMISSION PLANT	\$229,940,671	\$146,795,253	\$8,747,802	\$230,977,143	\$21,378,066	\$0	\$0
DISTRIBUTION							
Customer: Services, All Pressures	\$13,734,541	\$13,675,257	\$26,453	\$32,848	\$863	\$0	\$0
Customer: Services, Low Pressure	\$134,429,088	\$134,029,613	\$288,574	\$130,651	\$0	\$0	\$0
Customer: Services, Regulated Pres.	\$163,014,652	\$151,889,109	\$232,788	\$860,709	\$32,076	\$0	\$0
Customer: Meters & Regulators	\$128,748,737	\$129,188,893	\$240,447	\$311,254	\$8,343	\$0	\$0
Customer Related, Industrial	\$7,208,173	\$2,945,607	\$685,323	\$3,403,040	\$226,203	\$0	\$0
Commodity Related (33.165%)	\$238,147,573	\$186,878,047	\$10,461,451	\$80,424,313	\$68,882,782	\$0	\$0
Capacity Related (66.835%)	\$608,266,388	\$488,880,538	\$28,898,814	\$68,008,514	\$32,788,422	\$0	\$0
TOTAL DISTRIBUTION PLANT	\$1,330,546,162	\$1,098,659,164	\$38,762,920	\$133,171,380	\$91,624,689	\$0	\$0
TOTAL P, S, T & D PLANT	\$1,787,991,711	\$1,323,368,081	\$54,251,817	\$214,631,472	\$127,188,337	\$43,638,104	
GENERAL PLANT							
Customer Related General Plant	\$71,680,389	\$71,311,224	\$132,727	\$171,818	\$4,605	\$0	\$0
Other General Plant:							
Production Related	\$2,811,011	\$2,801,843	\$50,314	\$1,519,966	\$438,097	\$0	\$0
Storage Related	\$3,544,755	\$2,233,808	\$130,923	\$58,482	\$0	\$0	\$1,123,594
Storage Gas Related	\$717,814	\$462,347	\$28,512	\$11,434	\$0	\$0	\$227,522
Transmission Related	\$9,470,896	\$4,808,772	\$270,898	\$981,266	\$891,852	\$0	\$0
Distribution Related	\$41,197,085	\$33,036,695	\$1,201,128	\$4,123,337	\$2,838,835	\$0	\$0
Sub-Total Other General Plant	\$54,741,551	\$41,130,283	\$1,578,778	\$8,142,444	\$3,937,984	\$0	\$0
TOTAL GENERAL PLANT	\$128,381,820	\$112,441,487	\$1,812,932	\$8,814,257	\$3,942,589	\$1,351,086	\$1,351,086
CUSTOMER SOFTWARE/RTANG PLANT							
	\$44,983,836	\$33,783,591	\$1,378,734	\$5,455,973	\$3,234,593	\$1,109,755	\$1,109,755
TOTAL PLANT	\$1,939,317,266	\$1,474,612,059	\$57,444,833	\$228,891,702	\$134,382,509	\$48,096,945	\$48,096,945

Allocation Basis

- 9 Gathering Throughput
- 7 Winter Storage Requirements
- 8 Excess Peak Storage Requirement
- 7 Winter Storage Requirements
- 8 Excess Peak Storage Requirements
- 1 Total Throughput
- 8 Excess Peak Day Requirements
- 10 % of Customers
- 13 % of Customers, Low Pressure
- 14 % of Customers, Regulated Pressure
- 10 % of Customers
- 12 Industrial Customers
- 1 Total Throughput
- 8 Excess Peak Day Requirements
- 20 % of Customers
- Allocated by % of Functional Plant
- Production Share of Plant
- Storage Share of Plant
- Storage Gas Share of Plant
- Transmission Share of Plant
- Dist., Customer/RTG Sales Share of Plant
- 28 Other General Plant

THE EAST OHIO GAS COMPANY d/b/a DOMINION EAST OHIO
CASE NO. 07-0523-04-AR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
 Type of Filing: Revised
 Work Paper Reference No.:

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DEPRECIATION RESERVE

Item	RATE SCHEDULES					#	Allocation Basis
	SYSTEM TOTAL	OSSECTS	LVGSSALVECTS	GT/TS/RS/RTS	DT/ST/ST/ST/ST		
PRODUCTION							
TOTAL PRODUCTION RESERVE	\$36,285,888	\$10,347,995	\$948,482	\$19,820,332	\$5,688,078	9	Gathering Throughput
STORAGE							
Commodity Related (33.113%)	\$18,599,304	\$11,770,750	\$693,070	\$350,437	\$0	7	Winter Storage Requirements
Capacity Related (66.887%)	\$37,532,208	\$23,689,800	\$1,379,408	\$643,335	\$0	8	Excess Peak Storage Requirements
TOTAL STORAGE PLANT	\$56,112,510	\$35,380,551	\$2,072,478	\$993,774	\$0		\$17,785,707
GAS STORED UNDERGROUND							
Commodity Related (33.113%)	\$0	\$0	\$0	\$0	\$0	N/A	N/A
Capacity Related (66.887%)	\$0	\$0	\$0	\$0	\$0	N/A	N/A
TOTAL GAS STORED UNDERGROUND	\$0	\$0	\$0	\$0	\$0		
TRANSMISSION							
Commodity Related (33.185%)	\$33,785,050	\$18,003,791	\$1,192,755	\$6,889,234	\$6,878,271	1	Total Throughput
Capacity Related (66.815%)	\$67,982,879	\$53,432,885	\$3,068,826	\$7,753,841	\$3,728,227	6	Excess Peak Day Requirements
TOTAL TRANSMISSION PLANT	\$101,747,929	\$72,436,675	\$4,259,581	\$14,643,175	\$10,606,498		
DISTRIBUTION							
Customer: Services, All Pressures	\$10,884,630	\$10,837,847	\$20,171	\$28,112	\$700	10	# of Customers
Customer: Services, Low Pressure	\$82,370,541	\$82,125,765	\$164,751	\$80,025	\$0	13	# of Customers, Low Pressure
Customer: Services, Regulated Pres.	\$80,188,835	\$59,755,026	\$51,571	\$338,619	\$12,619	14	# of Customers, Regulated Pressure
Customer: Meters & Regulators	\$25,301,415	\$25,192,203	\$46,889	\$60,897	\$1,627	10	# of Customers
Customer Related, Industrial	\$3,522,186	\$1,380,857	\$325,192	\$1,883,318	\$142,821	12	Industrial Customers
Commodity Related (33.185%)	\$98,942,891	\$55,887,482	\$3,485,170	\$20,187,750	\$19,572,488	1	Total Throughput
Capacity Related (66.815%)	\$198,212,574	\$156,578,225	\$8,986,828	\$22,721,842	\$10,927,882	6	Excess Peak Day Requirements
TOTAL DISTRIBUTION PLANT	\$480,433,073	\$391,568,186	\$13,130,571	\$45,078,170	\$30,658,148		
TOTAL PROD, STO, TRANS, & DIST	\$674,579,400	\$508,711,406	\$20,112,112	\$80,235,451	\$46,734,724		\$17,785,707
GENERAL PLANT							
Customer Related General Plant	\$42,994,110	\$42,808,528	\$78,677	\$103,140	\$2,765	10	# of Customers
Other General Plant:							Allocated on % of Functional Reserve
Production Related	\$1,456,842	\$415,119	\$28,055	\$787,088	\$227,380		Production Share of Reserve
Storage Related	\$2,251,005	\$1,418,521	\$83,139	\$35,855	\$0		Storage Share of Reserve
Storage Gas Related	\$0	\$0	\$0	\$0	\$0		Storage Gas Share of Reserve
Transmission Related	\$4,081,711	\$2,905,384	\$170,877	\$587,424	\$417,548		Transmission Share of Reserve
Distribution Related	\$19,273,013	\$15,708,037	\$526,745	\$1,808,362	\$1,228,800		Dist. Customer Info/Sales Share of Res
Sub-Total Other General Plant	\$27,061,371	\$20,447,540	\$806,816	\$3,218,719	\$1,874,808		
TOTAL GENERAL PLANT	\$70,055,481	\$63,256,069	\$886,482	\$3,321,859	\$1,877,571		\$713,490
INTANGIBLE PLANT							
Other General Plant	\$28,100,470	\$21,113,390	\$882,278	\$3,409,764	\$2,021,484	28	Other General Plant
OTHER RESERVES							
Other General Plant	\$79,450,122	\$59,695,137	\$2,437,972	\$9,640,628	\$5,716,463	28	Other General Plant
TOTAL DEPRECIATION RESERVE	\$852,185,473	\$653,776,462	\$24,298,855	\$96,607,703	\$56,348,242		\$21,153,871

THE EAST OHIO GAS COMPANY 86th DOMINION EAST OHIO
CASE NO. 97-0529-GA-JAR
COST OF SERVICE STUDY

Schedule E-3.2
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Date: 3 Months Actual & 9 Months Estimated
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NET PLANT IN SERVICE

NET PLANT IN SERVICE		RATE SCHEDULES						
ACCOUNT	Item	SYSTEM TOTAL	OBJECTS	LV038/LV038	VECTB	GT8/TSS/FRTS	DT8/OFF-System	Storage
326-339	PRODUCTION NET PRODUCTION PLANT	\$64,501,516	\$15,542,721		\$975,524	\$28,469,800	\$8,513,472	\$0
350-359	STORAGE Commodity Related (33.113%) Capacity Related (68.887%) TOTAL STORAGE PLANT	\$19,328,704 \$39,043,981 \$58,372,685	\$12,244,888 \$24,539,982 \$36,784,869		\$720,987 \$1,434,970 \$2,155,957	\$384,553 \$585,222 \$929,774	\$0 \$0 \$0	\$5,588,298 \$12,503,808 \$18,502,104
117	GAS STORED UNDERGROUND Commodity Related (33.113%) Capacity Related (68.887%) TOTAL GAS STORED UNDERGROUND	\$7,676,588 \$15,506,703 \$23,183,291	\$4,893,170 \$9,746,296 \$14,639,467		\$288,347 \$569,912 \$858,259	\$144,786 \$224,483 \$369,269	\$0 \$0 \$0	\$2,382,283 \$4,966,011 \$7,348,293
368-372	TRANSMISSION Commodity Related (33.185%) Capacity Related (68.815%) TOTAL TRANSMISSION PLANT	\$35,588,504 \$71,654,238 \$107,242,742	\$20,030,074 \$68,318,483 \$78,348,558		\$1,267,168 \$3,282,447 \$4,489,616	\$7,261,281 \$8,172,686 \$15,433,968	\$7,039,880 \$3,930,621 \$10,970,600	\$0 \$0 \$0
374-388	DISTRIBUTION Customer: Services, All Pressures Customer: Services, Low Pressure Customer: Services, Regulated Pres. Customer: Meters & Regulators Customer Related, Industrial Commodity Related (33.185%) Capacity Related (68.815%) TOTAL DISTRIBUTION PLANT	\$2,849,911 \$52,008,647 \$82,915,817 \$104,445,322 \$3,653,987 \$197,204,682 \$397,053,814 \$850,112,079	\$2,837,610 \$51,803,848 \$82,133,084 \$103,994,490 \$1,454,750 \$110,991,585 \$312,074,614 \$675,368,978		\$5,261 \$104,123 \$141,186 \$183,558 \$340,131 \$8,966,280 \$17,911,788 \$25,662,348	\$6,837 \$30,576 \$622,090 \$250,558 \$1,739,724 \$40,236,553 \$45,286,872 \$88,083,210	\$183 \$0 \$19,457 \$8,716 \$149,382 \$38,010,284 \$21,780,639 \$60,968,541	\$0 \$0 \$0 \$0 \$0 \$0 \$0 \$25,950,387
	NET P, S, T & D PLANT	\$1,083,412,311	\$818,675,574		\$34,139,705	\$134,286,021	\$80,450,613	
389-399	GENERAL PLANT Customer Related General Plant Other General Plant:	\$28,828,258	\$28,502,696		\$53,050	\$68,673	\$1,841	\$0
	Production Related Storage Related Storage Gas Related Transmission Related Distribution Related Sub-Total Other General Plant TOTAL GENERAL PLANT	\$1,355,369 \$1,293,750 \$717,814 \$2,389,175 \$21,924,072 \$27,680,180 \$56,306,439	\$386,524 \$815,285 \$452,347 \$1,700,908 \$17,327,659 \$20,682,722 \$49,185,418		\$24,260 \$47,784 \$26,512 \$100,021 \$674,383 \$872,959 \$928,010	\$792,869 \$20,807 \$11,434 \$343,841 \$2,314,875 \$3,423,725 \$3,492,398	\$211,717 \$0 \$0 \$244,406 \$1,807,055 \$2,083,177 \$2,085,018	\$0 \$410,074 \$227,522 \$0 \$837,586 \$637,586
303	NET INTANGIBLE PLANT	\$18,863,167	\$12,670,201		\$517,458	\$2,046,209	\$1,213,098	\$416,203
108	OTHER RESERVES	-\$79,450,122	-\$59,695,137		-\$2,437,972	-\$8,040,829	-\$5,715,463	-\$1,950,822
	NET PLANT	\$1,087,131,796	\$830,836,057		\$33,145,198	\$130,193,999	\$78,013,287	\$24,943,273

THE EAST OHIO GAS COMPANY afile DOMINION EAST OHIO
CASE NO. 87-0829-GA-AJR
COST OF SERVICE STUDY

Date: 3 Months Actual & 9 Months Estimated
Type of Filing: Revised
Work Paper Reference Nos.:

Schedule E-3.2
Page 18 of 18
Witness: C. Andrews

WORKING CAPITAL ALLOWANCE

Item	RATE SCHEDULES					Allocation Basis
	SYSTEM TOTAL	GSS/ECTS	LVGSS/LVECTS	GTS/TSS/RTS	DTSS/OT-System	Storage
CASH COMPONENTS						
Operating Revenues	\$134,880,430	\$117,094,751	\$4,943,506	\$8,982,750	\$2,518,389	\$1,371,654
Purchased Gas Cost Expense	(350,547,746)	(\$46,738,534)	(\$1,812,214)	\$0	\$0	\$0
Uncollectible Expense	(80,942,988)	(80,064,558)	(380,016)	(\$508,283)	\$0	\$0
Other O&M Expense	(225,751,713)	(\$21,095,528)	(\$944,304)	(\$2,186,420)	(\$1,241,886)	(\$631,578)
Federal Income Taxes	\$2,997,244	(\$2,876,780)	\$368,747	\$4,638,107	\$101,021	\$770,118
Other Taxes	(336,141,474)	(\$28,358,922)	(\$1,194,140)	(\$4,078,658)	(\$1,796,106)	(\$739,838)
Capital Structure Items	(303,735,982)	(\$6,688,346)	(3286,440)	(\$1,046,573)	(\$627,115)	(\$200,608)
Supplier Billings	\$46,022,630	\$43,304,855	\$2,717,875	\$0	\$0	\$0
TOTAL CASH COMPONENT	\$55,727,422	\$46,684,670	\$3,733,115	\$5,788,006	(\$1,028,719)	\$589,448
AVERAGE MONTHLY BALANCES						
Materials & Supplies	\$2,278,708	\$1,732,677	\$87,497	\$288,493	\$157,877	\$54,164
Customer Deposits	(\$24,068,713)	(\$24,068,713)	\$0	\$0	\$0	\$0
PIPP WORKING CAPITAL COMPONENT	\$123,385,455	\$107,589,134	\$8,753,355	\$9,032,988	\$157,877	\$54,164
TOTAL AVERAGE MONTHLY BALANCES:	\$101,804,453	\$85,272,068	\$8,820,853	\$9,299,461	\$157,877	\$54,164
TOTAL WORKING CAPITAL	\$157,331,875	\$131,957,767	\$10,563,988	\$15,088,388	(\$871,842)	\$623,613

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-4828-QA-AIR
Cash Working Capital Allowance

WPB-5.1
Prepared 8/15/2007

		Adjusted Revenues & Expenses	Days Lag	Weighted Dollar Days	Working Capital Requirements
(1) Revenue Lag Allowance	WPB-5.1a	\$ 930,511,472	52.90	49,224,056,869	\$ 134,860,430
(2) PIPP Revenues		123,385,458			
(3) Total Revenue Lag Allowance (1) + (2)	C-2	1,053,896,930			134,860,430
Operation & Maintenance Expenses					
(4) Gas Purchases	C-2/WPB-5.1h	484,733,700	39.70	18,448,927,890	50,547,748
(5) Payroll	C-4/WPB-5.1i	73,428,152	27.54	2,022,211,308	5,640,305
(6) Uncollectibles - PIPP	C-2	92,898,153			
(7) Uncollectibles - Non-PIPP	WPC-3.4/C-2.14	47,905,151	52.90	2,534,182,488	6,942,966
(8) Benefits	C-4/WPB-5.1k	14,564,257	12.80	183,383,638	502,421
(9) Benefits - OPEB	C-8	6,314,722	172.84	1,090,173,806	2,986,777
(10) Insurance	C-2.1.5/WPB-5.1n	146,000	(180.90)	(23,491,400)	(84,360)
(11) Claims	C-2.1.5/WPB-5.1m	3,635,941	26.80	97,443,219	266,968
(12) Other O&M Expenses	C-2	150,739,254	40.07	6,040,804,667	16,549,602
(13) Subtotal O&M Expenses (4) through (11)		854,355,340			83,272,428
(14) Depreciation	C-2	48,681,472			
Federal & State Income Taxes					
(15) Current Income Taxes	C-4/WPB-5.1o	(27,930,116)	37.89	(1,057,853,144)	(2,898,228)
(16) Deferred Income Taxes	C-4	33,378,804			
(17) Net ITC	C-4	(549,818)	52.90	(28,085,372)	(79,888)
(18) Subtotal Income Taxes (14) through (16)	C-4	4,898,870			(2,977,914)
Taxes Other Than Income Taxes					
(19) Property Tax	WPC-2.16 and WPB-5.1r	18,598,398	289.43	5,382,355,473	14,746,179
(20) Gross Receipts	WPB-5.1u	48,281,331	103.75	4,801,888,091	13,155,310
(21) Excise Tax	WPB-5.1s	25,812,058	80.13	2,416,570,878	8,820,742
(22) Payroll Taxes	WPC-2.16	5,813,220	27.54	154,588,079	423,529
(23) PUJO & OCC Maintenance	WPB-5.1v	2,003,629	210.59	421,924,195	1,155,867
(24) Sales & Use Taxes	WPB-5.1t	467,852	31.01	14,511,192	39,757
(25) Subtotal Other Taxes (18) through (23)	C-2	99,774,588			38,141,474
(26) Interest Expense	C-4/WPB-5.1p	34,728,997	90.46	3,141,582,355	8,607,075
(27) Preferred Stock					
(28) Return On Common Equity		11,477,692			8,607,075
(29) Subtotal Capital Structure Items (26) through (28)	C-2	46,206,658			
(30) Expense Lag Allowance (12) + (13) + (17) + (24) + (26)		\$ 1,053,896,930			125,043,081
(31) Net Revenue/Expense Lag					9,817,369
(32) Supplier Billings	WPB-5.1e-g				46,022,830
(33) Total Cash Working Capital (3) - (29) + (30)					\$ 56,840,000

**Dominion East Ohio
Calculation Of Revenue Lag
For The Twelve Months Ended December 31, 2006**

Description	Revenue Amount	Service Period Lag	Billing Lag	Payment Lag	Individual Revenue Lag	Composite Revenues
Tariff Revenues - CCS System	874,312,642	15.2	0.9	33.3	49.4	43,218,050,373
Tariff Revenues - SBS System						
Broker	52,925,424	15.2	20.4	33.3	68.9	3,647,923,232
End Use	145,544,438	15.2	20.4	33.3	68.9	10,031,755,889
InterCompany Revenues	6,312,531	15.2	-	25.0	40.2	253,763,746
Miscellaneous Revenues						
Sales of Product Extr Misc	151,595	-	-	10.0	10.0	1,515,950
Oils Sales	621,528	-	-	15.0	15.0	9,322,920
Rental Property	49,219	15.2	-	(10.0)	5.2	255,939
Calculated Revenue Lag	1,079,917,378				52.9	57,162,588,048
PIPP Revenues	123,735,290					
SSO Storage	105,680,077					
Subtotal Revenues	1,309,332,745					
Revenues Per FERC Form 2	1,257,042,745					
Unbilled Revenues	52,290,000					

WPB-5.1b
9-Jul-2007

Dominion East Ohio Elimination of SOS Storage Sales

	Bill Date	Payment Amount	Payment Date	Payment Lag	Composite
SSO Storage	20-Oct-06	26,419,690	07-Nov-06	18.0	475,554,424
	20-Oct-06	8,806,566	14-Nov-06	25.0	220,164,154
	20-Oct-06	17,613,124	15-Nov-06	26.0	457,941,226
	20-Oct-06	35,227,572	16-Nov-06	27.0	951,144,456
	20-Oct-06	17,613,124	21-Nov-06	32.0	563,619,970
		105,680,077			2,668,424,229

Composit Payment Lag
Days Per Year

25.25

Average Daily Balance

365

288,534

Average Daily Balance * Payment Lag

7,310,751

Dominion East Ohio
Calculation of Payment Lag Based On Average Daily Receivables Balances
Based On the Year 2006

<u>Average Daily Receivables</u>		Amount
1	Average Daily Accounts Receivables (See Average Daily Receivables worksheet)	763,013,163
2	Less: PIPP Contra (See Average Daily Receivables worksheet)	590,149,891
3	Average Daily Accounts Receivables - SBS (See SBS daily balances 2006 & billing lag file)	20,976,585
4	Less: SSO Storage - Non Recurring (See Eliminate SSO Storage worksheet)	<u>7,310,751</u>
5	Total Average Receivables (line 1-2+3-4)	186,529,306

<u>Revenues Related to Average Receivables</u>		
6	Total Revenues	1,257,042,741
7	Less: Unbilled Revenues	(52,280,000)
8	PIPP Revenues	123,735,290
9	Non-Recurring SSO Storage Revenues	105,680,077
10	InterCompany Revenues	6,312,531
11	Sales of Product Extr Misc	49,219
12	Oils Sales	151,595
13	Rental Property	<u>621,528</u>

14	Total Related Billed Revenues (line 6-7-8-9-10-11-12-13)	1,072,782,501
15	Billings on Behalf of Suppliers (See Supplier Billings II file)	<u>969,863,239</u>

16	Total Billings (line 14 + 15)	2,042,645,740
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17	Average Daily Billings (line 16 / 365)	5,596,290
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18	Revenue Payment Lag (line 5/ line 17)	33.33
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WPB-5.1d
9-Jul-07

Calculation of SBS Billing Lag/Payment Lag For the Twelve Months Ended December 31, 2006

Month	Bill Lag	Amount	Weighted Amount	Weighted Lag	Amount	Weighted Amount
Jan-08	22.0	22,400,211.16	482,446,702.84	29.2	19,636,536.72	570,466,872.22
Feb-08	19.2	23,601,527.83	453,118,449.07	33.1	20,251,880.59	670,336,586.53
Mar-08	21.6	20,803,794.84	450,383,035.30	29.8	18,571,942.52	553,443,887.10
Apr-08	19.8	13,884,451.14	276,110,985.96	33.8	11,809,503.31	402,541,211.88
May-08	20.7	10,344,911.51	214,353,306.98	34.8	8,777,639.25	305,481,845.90
Jun-08	19.8	7,934,754.67	157,326,944.99	30.6	6,730,199.26	205,286,857.43
Jul-08	19.4	7,680,150.92	148,418,601.85	35.8	5,845,859.98	212,881,786.57
Aug-08	21.1	7,401,944.47	156,174,763.70	28.1	6,205,882.29	180,586,354.64
Sep-08	18.1	7,845,860.42	142,083,121.67	26.4	6,425,346.23	168,629,114.07
Oct-08	19.3	10,018,508.55	193,741,778.24	28.3	8,453,717.64	222,332,773.93
Nov-08	21.4	15,163,928.50	324,836,972.41	28.6	12,527,515.72	333,231,918.15
Dec-08	18.9	17,680,813.38	355,949,233.70	27.2	15,889,666.42	432,470,926.62
		164940858	3363941866	20.39	141235428.9	4258632134
						30.15

WPB-5.1e
9-Jul-07

Dominion East Ohio
Working Capital Requirements From Supplier Billings
Twelve Months Ending December 31, 2006

	<u>(000's)</u>
CCS Billing	\$47,410
SBS Billing	<u>(1,387)</u>
Total Working Capital	<u>\$46,023</u>

CCS

WPB-5.1f
9-Jul-07

CCS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recovered From Customer	Avg Daily Billings	CWC Requirements
1/3/2006	\$8,394,536.12	\$8,310,590.76	1/19/2006	16.0	33.33	22,998.73	398,588.40
1/4/2006	\$11,160,207.88	\$11,048,605.80	1/19/2006	15.0	33.33	30,575.91	560,483.62
1/5/2006	\$6,871,623.54	\$6,802,907.30	1/19/2006	14.0	33.33	18,826.37	363,930.37
1/6/2006	\$10,101,932.64	\$10,000,913.30	1/19/2006	13.0	33.33	27,676.53	562,688.39
1/9/2006	\$5,979,696.33	\$5,919,899.37	1/26/2006	17.0	33.33	16,382.73	267,544.52
1/10/2006	\$10,097,398.92	\$9,996,424.93	1/26/2006	16.0	33.33	27,664.11	479,443.54
1/11/2006	\$6,327,470.88	\$6,264,196.17	1/26/2006	15.0	33.33	17,335.54	317,775.78
1/12/2006	\$12,266,746.09	\$12,144,078.63	1/26/2006	14.0	33.33	33,607.52	649,663.28
1/13/2006	\$5,259,919.16	\$5,207,319.96	1/26/2006	13.0	33.33	14,410.74	292,983.09
1/17/2006	\$9,326,216.00	\$9,232,953.84	2/2/2006	16.0	33.33	25,551.28	442,826.32
1/18/2006	\$6,250,231.10	\$6,187,728.79	2/2/2006	15.0	33.33	17,123.92	313,896.68
1/19/2006	\$9,248,587.35	\$9,156,101.48	2/2/2006	14.0	33.33	25,338.60	489,817.55
1/20/2006	\$6,831,973.57	\$6,783,453.84	2/2/2006	13.0	33.33	18,772.53	381,662.21
1/23/2006	\$9,778,548.81	\$9,680,763.32	2/9/2006	17.0	33.33	26,790.54	437,513.39
1/24/2006	\$6,161,508.32	\$6,099,893.24	2/9/2006	16.0	33.33	16,880.84	292,560.03
1/25/2006	\$8,832,745.65	\$8,744,418.19	2/9/2006	15.0	33.33	24,199.30	443,594.72
1/26/2006	\$5,869,610.76	\$5,810,914.64	2/9/2006	14.0	33.33	16,081.13	310,862.43
1/27/2006	\$9,336,243.28	\$9,242,880.84	2/9/2006	13.0	33.33	25,578.75	520,038.68
1/30/2006	\$6,142,259.20	\$6,080,836.61	2/16/2006	17.0	33.33	16,828.11	274,817.94
1/31/2006	\$7,292,578.02	\$7,219,652.24	2/16/2006	16.0	33.33	19,979.67	346,265.35
2/1/2006	\$4,746,026.20	\$4,698,565.94	2/16/2006	15.0	33.33	13,002.81	238,353.08
2/2/2006	\$8,452,361.61	\$8,367,837.99	2/16/2006	14.0	33.33	23,157.16	447,648.37
2/3/2006	\$4,495,352.15	\$4,430,398.62	2/16/2006	13.0	33.33	12,316.03	250,395.89
2/6/2006	\$6,387,838.51	\$6,323,960.12	2/23/2006	17.0	33.33	17,500.93	285,805.69
2/7/2006	\$3,985,367.18	\$3,945,513.51	2/23/2006	16.0	33.33	10,918.81	189,232.75
2/8/2006	\$7,243,224.37	\$7,170,792.13	2/23/2006	15.0	33.33	19,844.45	363,766.40
2/9/2006	\$5,620,339.05	\$5,564,135.66	2/23/2006	14.0	33.33	15,398.19	297,660.67
2/10/2006	\$7,063,675.19	\$6,993,038.43	2/23/2006	13.0	33.33	19,352.53	393,454.22
2/13/2006	\$6,384,183.57	\$6,320,341.73	3/2/2006	17.0	33.33	17,490.91	285,642.16
2/14/2006	\$7,153,696.28	\$7,082,159.32	3/2/2006	16.0	33.33	19,599.17	339,670.99
2/15/2006	\$5,247,157.26	\$5,194,685.69	3/2/2006	15.0	33.33	14,375.77	263,520.69
2/16/2006	\$9,569,982.49	\$9,474,282.67	3/2/2006	14.0	33.33	26,219.13	506,839.07
2/17/2006	\$5,235,721.79	\$5,183,364.56	3/2/2006	13.0	33.33	14,344.44	291,635.27
2/20/2006	\$8,495,241.26	\$8,410,288.85	3/9/2006	17.0	33.33	23,274.63	380,095.44
2/21/2006	\$5,626,548.06	\$5,570,282.58	3/9/2006	16.0	33.33	15,415.20	267,159.11
2/22/2006	\$9,919,576.33	\$9,820,380.57	3/9/2006	15.0	33.33	27,176.92	498,177.11
2/23/2006	\$6,786,427.78	\$6,718,563.50	3/9/2006	14.0	33.33	18,592.95	359,418.29
2/24/2006	\$8,815,274.97	\$8,727,122.23	3/9/2006	13.0	33.33	24,151.44	491,020.19
2/27/2006	\$6,336,385.16	\$6,273,021.31	3/16/2006	17.0	33.33	17,359.96	283,503.55
2/28/2006	\$7,677,098.89	\$7,600,327.90	3/16/2006	16.0	33.33	21,033.15	364,523.13
3/1/2006	\$6,756,268.81	\$6,688,706.12	3/16/2006	15.0	33.33	18,510.33	339,310.71
3/2/2006	\$9,734,994.55	\$9,637,644.61	3/16/2006	14.0	33.33	26,671.22	515,578.33
3/3/2006	\$6,418,313.54	\$6,354,130.41	3/16/2006	13.0	33.33	17,584.42	357,506.89
3/6/2006	\$9,813,071.61	\$9,714,940.89	3/23/2006	17.0	33.33	26,885.13	439,058.01
3/7/2006	\$5,480,915.34	\$5,426,106.19	3/23/2006	16.0	33.33	15,016.21	260,244.19
3/8/2006	\$9,319,833.97	\$9,226,635.63	3/23/2006	15.0	33.33	25,533.79	468,057.08
3/9/2006	\$4,546,340.85	\$4,500,877.44	3/23/2006	14.0	33.33	12,455.73	240,780.29
3/10/2006	\$9,979,641.40	\$9,879,844.98	3/23/2006	13.0	33.33	27,341.48	555,876.64
3/13/2006	\$7,158,935.37	\$7,087,346.02	3/30/2006	17.0	33.33	19,613.52	320,306.23
3/14/2006	\$8,588,032.93	\$8,502,152.60	3/30/2006	16.0	33.33	23,528.86	407,775.99
3/15/2006	\$5,162,367.11	\$5,110,743.44	3/30/2006	15.0	33.33	14,143.47	259,262.39
3/16/2006	\$8,719,382.32	\$8,632,188.50	3/30/2006	14.0	33.33	23,888.72	461,790.15
3/17/2006	\$4,139,641.58	\$4,098,245.15	3/30/2006	13.0	33.33	11,341.48	230,582.44

CCS

WPB-5.1f
9-Jul-07

CCS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recovered From Customer	Avg Daily Billings	CWC Requirements
3/20/2006	\$8,212,679.38	\$8,130,552.59	4/6/2006	17.0	33.33	22,500.49	367,453.01
3/21/2006	\$4,476,191.36	\$4,431,429.45	4/6/2006	16.0	33.33	12,263.54	212,538.00
3/22/2006	\$9,618,641.75	\$9,522,455.33	4/6/2006	15.0	33.33	26,352.44	483,063.69
3/23/2006	\$5,629,158.87	\$5,572,867.28	4/6/2006	14.0	33.33	15,422.35	298,127.78
3/24/2006	\$7,705,745.63	\$7,628,688.18	4/6/2006	13.0	33.33	21,111.63	429,218.22
3/27/2006	\$6,346,820.70	\$6,283,352.49	4/13/2006	17.0	33.33	17,388.55	283,970.46
3/28/2006	\$7,957,686.76	\$7,878,109.89	4/13/2006	16.0	33.33	21,801.88	377,845.97
3/29/2006	\$5,139,689.60	\$5,088,292.70	4/13/2006	15.0	33.33	14,081.34	258,123.49
3/30/2006	\$7,854,573.02	\$7,776,027.29	4/13/2006	14.0	33.33	21,519.38	415,988.69
3/31/2006	\$4,367,116.84	\$4,323,445.68	4/13/2006	13.0	33.33	11,964.70	243,253.05
4/3/2006	\$7,823,727.60	\$7,745,490.32	4/20/2006	17.0	33.33	21,434.87	350,050.47
4/4/2006	\$4,254,106.22	\$4,211,565.16	4/20/2006	16.0	33.33	11,655.09	201,992.98
4/5/2006	\$5,469,904.55	\$5,415,205.50	4/20/2006	15.0	33.33	14,986.04	274,707.42
4/6/2006	\$3,126,023.55	\$3,094,763.31	4/20/2006	14.0	33.33	8,564.45	165,558.39
4/7/2006	\$5,078,224.41	\$5,027,442.16	4/20/2006	13.0	33.33	13,912.94	282,862.50
4/10/2006	\$4,225,732.48	\$4,183,475.16	4/27/2006	17.0	33.33	11,577.35	189,068.40
4/11/2006	\$5,519,973.91	\$5,464,774.17	4/27/2006	16.0	33.33	15,123.22	262,098.77
4/12/2006	\$4,503,762.82	\$4,458,725.19	4/27/2006	15.0	33.33	12,339.08	226,186.23
4/13/2006	\$5,269,072.58	\$5,216,381.85	4/27/2006	14.0	33.33	14,435.82	279,057.13
4/17/2006	\$3,065,365.62	\$3,034,711.96	5/4/2006	17.0	33.33	8,398.26	137,151.08
4/18/2006	\$6,033,442.80	\$5,973,108.37	5/4/2006	16.0	33.33	16,529.98	286,479.24
4/19/2006	\$2,802,067.72	\$2,774,047.04	5/4/2006	15.0	33.33	7,676.90	140,724.36
4/20/2006	\$4,718,070.49	\$4,670,889.78	5/4/2006	14.0	33.33	12,926.22	249,875.32
4/21/2006	\$2,599,435.90	\$2,573,441.53	5/4/2006	13.0	33.33	7,121.74	144,791.34
4/24/2006	\$6,042,211.67	\$5,981,789.55	5/11/2006	17.0	33.33	16,554.00	270,341.60
4/25/2006	\$2,348,996.36	\$2,325,506.40	5/11/2006	16.0	33.33	6,435.61	111,534.78
4/26/2006	\$3,785,702.65	\$3,747,845.62	5/11/2006	15.0	33.33	10,371.79	190,124.09
4/27/2006	\$1,670,380.50	\$1,653,676.70	5/11/2006	14.0	33.33	4,576.38	88,465.58
4/28/2006	\$2,986,522.67	\$2,956,657.44	5/11/2006	13.0	33.33	8,182.25	166,352.49
5/1/2006	\$1,548,260.43	\$1,532,777.83	5/18/2006	17.0	33.33	4,241.81	69,272.51
5/2/2006	\$3,201,192.35	\$3,169,180.43	5/18/2006	16.0	33.33	8,770.39	151,998.65
5/3/2006	\$1,956,500.33	\$1,936,935.33	5/18/2006	15.0	33.33	5,360.27	98,258.60
5/4/2006	\$3,311,724.77	\$3,278,607.52	5/18/2006	14.0	33.33	9,073.22	175,393.37
5/5/2006	\$1,299,978.92	\$1,286,979.12	5/18/2006	13.0	33.33	3,561.59	72,410.21
5/8/2006	\$2,438,831.76	\$2,414,443.44	5/25/2006	17.0	33.33	6,681.73	109,118.60
5/9/2006	\$1,631,487.66	\$1,615,172.78	5/25/2006	16.0	33.33	4,469.83	77,466.11
5/10/2006	\$2,716,195.94	\$2,689,033.98	5/25/2006	15.0	33.33	7,441.63	136,411.74
5/11/2006	\$1,375,237.86	\$1,361,485.48	5/25/2006	14.0	33.33	3,767.77	72,834.44
5/12/2006	\$2,437,236.72	\$2,412,864.36	5/25/2006	13.0	33.33	6,677.36	135,756.68
5/15/2006	\$1,707,053.06	\$1,689,982.53	6/1/2006	17.0	33.33	4,676.86	76,377.24
5/16/2006	\$2,585,937.05	\$2,560,077.68	6/1/2006	16.0	33.33	7,084.76	122,785.17
5/17/2006	\$1,190,101.22	\$1,178,200.21	6/1/2006	15.0	33.33	3,260.55	59,768.80
5/18/2006	\$3,235,095.22	\$3,202,744.27	6/1/2006	14.0	33.33	8,863.27	171,334.97
5/19/2006	\$1,321,721.08	\$1,308,503.86	6/1/2006	13.0	33.33	3,621.15	73,621.27
5/22/2006	\$3,725,524.48	\$3,688,269.24	6/8/2006	17.0	33.33	10,206.92	166,688.01
5/23/2006	\$1,829,623.41	\$1,811,327.18	6/8/2006	16.0	33.33	5,012.67	86,873.97
5/24/2006	\$3,160,181.47	\$3,128,579.66	6/8/2006	15.0	33.33	8,658.03	158,709.41
5/25/2006	\$2,326,629.73	\$2,303,363.42	6/8/2006	14.0	33.33	6,374.33	123,221.42
5/26/2006	\$3,048,519.65	\$3,018,034.44	6/8/2006	13.0	33.33	8,352.11	169,805.79
5/30/2006	\$1,382,537.97	\$1,368,712.59	6/15/2006	16.0	33.33	3,787.78	65,645.51
5/31/2006	\$2,075,332.62	\$2,054,579.29	6/15/2006	15.0	33.33	5,685.84	104,226.55
6/1/2006	\$1,929,359.15	\$1,910,065.57	6/15/2006	14.0	33.33	5,285.92	102,181.44
6/2/2006	\$2,767,089.49	\$2,739,418.61	6/15/2006	13.0	33.33	7,581.07	154,129.83

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CCS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recovered From Customer	Avg Daily Billings	CWC Requirements
6/3/2006	\$2,187,915.88	\$2,166,036.72	6/22/2006	17.0	33.33	5,994.29	97,892.08
6/6/2006	\$2,431,719.33	\$2,407,402.14	6/22/2006	16.0	33.33	6,662.24	115,462.62
6/7/2006	\$1,388,183.35	\$1,374,301.52	6/22/2006	15.0	33.33	3,803.24	69,716.80
6/8/2006	\$2,085,598.91	\$2,064,742.92	6/22/2006	14.0	33.33	5,713.97	110,456.11
6/9/2006	\$1,442,747.34	\$1,428,319.87	6/22/2006	13.0	33.33	3,952.73	80,362.56
6/12/2006	\$2,075,667.58	\$2,054,910.90	6/29/2006	17.0	33.33	5,686.76	92,869.85
6/13/2006	\$1,463,059.71	\$1,448,429.11	6/29/2006	16.0	33.33	4,008.38	69,468.83
6/14/2006	\$1,832,162.09	\$1,813,840.47	6/29/2006	15.0	33.33	5,019.62	92,014.13
6/15/2006	\$1,224,284.33	\$1,212,041.49	6/29/2006	14.0	33.33	3,354.20	64,839.74
6/16/2006	\$2,096,824.55	\$2,075,856.31	6/29/2006	13.0	33.33	5,744.72	116,795.36
6/19/2006	\$1,542,386.78	\$1,526,962.91	7/6/2006	17.0	33.33	4,225.72	69,009.71
6/20/2006	\$1,947,217.67	\$1,927,745.49	7/6/2006	16.0	33.33	5,334.84	92,457.57
6/21/2006	\$1,235,273.73	\$1,222,920.99	7/6/2006	15.0	33.33	3,384.31	62,037.44
6/22/2006	\$1,906,654.58	\$1,887,588.04	7/6/2006	14.0	33.33	5,223.71	100,978.98
6/23/2006	\$1,197,088.65	\$1,185,117.77	7/6/2006	13.0	33.33	3,279.69	66,679.11
6/26/2006	\$1,800,096.33	\$1,782,095.37	7/13/2006	17.0	33.33	4,931.77	80,540.20
6/27/2006	\$849,645.91	\$841,149.45	7/13/2006	16.0	33.33	2,327.80	40,342.79
6/28/2006	\$1,588,849.10	\$1,572,960.61	7/13/2006	15.0	33.33	4,353.01	79,794.56
6/29/2006	\$1,055,951.74	\$1,045,392.22	7/13/2006	14.0	33.33	2,893.02	55,924.62
6/30/2006	\$1,268,611.64	\$1,255,925.51	7/13/2006	13.0	33.33	3,475.65	70,663.02
7/3/2006	\$827,289.73	\$819,016.83	7/20/2006	17.0	33.33	2,266.55	37,014.73
7/5/2006	\$1,279,226.79	\$1,266,434.52	7/20/2006	15.0	33.33	3,504.73	64,244.83
7/6/2006	\$844,973.45	\$836,523.72	7/20/2006	14.0	33.33	2,315.00	44,750.92
7/7/2006	\$1,114,396.92	\$1,103,252.95	7/20/2006	13.0	33.33	3,053.14	62,073.09
7/10/2006	\$1,249,194.93	\$1,236,702.98	7/27/2006	17.0	33.33	3,422.45	55,891.68
7/11/2006	\$1,442,343.29	\$1,427,919.86	7/27/2006	16.0	33.33	3,951.63	68,485.18
7/12/2006	\$905,945.80	\$896,886.34	7/27/2006	15.0	33.33	2,482.04	45,498.06
7/13/2006	\$953,564.98	\$944,029.34	7/27/2006	14.0	33.33	2,612.51	50,502.08
7/14/2006	\$834,027.65	\$825,687.38	7/27/2006	13.0	33.33	2,285.01	46,456.23
7/17/2006	\$1,694,765.04	\$1,677,817.39	8/3/2006	17.0	33.33	4,643.19	75,827.45
7/18/2006	\$985,037.30	\$975,186.93	8/3/2006	16.0	33.33	2,698.73	46,771.43
7/19/2006	\$1,325,806.77	\$1,312,548.70	8/3/2006	15.0	33.33	3,632.35	66,584.15
7/20/2006	\$664,660.75	\$658,014.14	8/3/2006	14.0	33.33	1,820.99	35,201.32
7/21/2006	\$1,566,993.80	\$1,551,323.87	8/3/2006	13.0	33.33	4,293.13	87,283.22
7/24/2006	\$771,648.08	\$763,931.60	8/10/2006	17.0	33.33	2,114.10	34,525.20
7/25/2006	\$2,103,562.18	\$2,082,526.56	8/10/2006	16.0	33.33	5,763.18	99,881.10
7/26/2006	\$978,982.24	\$969,192.42	8/10/2006	15.0	33.33	2,682.14	49,166.07
7/27/2006	(\$523,067.18)	(\$517,836.50)	8/10/2006	14.0	33.33	(1,433.06)	(27,702.34)
7/28/2006	\$649,972.72	\$643,473.00	8/10/2006	13.0	33.33	1,780.75	36,204.17
7/31/2006	\$1,336,607.34	\$1,323,241.27	8/17/2006	17.0	33.33	3,661.94	59,802.70
8/1/2006	\$901,240.87	\$892,228.46	8/17/2006	16.0	33.33	2,469.15	42,792.62
8/2/2006	\$1,765,819.34	\$1,748,161.15	8/17/2006	15.0	33.33	4,837.86	88,682.29
8/3/2006	\$914,350.99	\$905,207.48	8/17/2006	14.0	33.33	2,505.07	48,425.25
8/4/2006	\$1,092,004.18	\$1,081,084.13	8/17/2006	13.0	33.33	2,991.79	60,825.79
8/7/2006	\$548,782.21	\$543,294.39	8/24/2006	17.0	33.33	1,503.51	24,553.70
8/8/2006	\$1,081,280.39	\$1,070,467.59	8/24/2006	16.0	33.33	2,962.41	51,341.23
8/9/2006	\$812,722.30	\$804,595.08	8/24/2006	15.0	33.33	2,226.64	40,816.22
8/10/2006	\$765,716.78	\$758,059.61	8/24/2006	14.0	33.33	2,097.85	40,553.38
8/11/2006	\$819,264.16	\$811,071.53	8/24/2006	13.0	33.33	2,244.56	45,633.88
8/14/2006	\$1,143,685.07	\$1,132,248.22	8/31/2006	17.0	33.33	3,133.38	51,170.94
8/15/2006	\$772,248.78	\$764,526.29	8/31/2006	16.0	33.33	2,115.75	36,667.83
8/16/2006	\$1,240,775.63	\$1,228,367.87	8/31/2006	15.0	33.33	3,399.39	62,313.75
8/17/2006	\$409,915.01	\$405,815.86	8/31/2006	14.0	33.33	1,123.05	21,709.65

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CCS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recovered From Customer	Avg Daily Billings	CWC Requirements
8/18/2006	\$1,688,178.13	\$1,671,296.35	8/31/2006	13.0	33.33	4,625.15	94,033.32
8/21/2006	\$297,545.16	\$294,569.71	9/7/2006	17.0	33.33	815.19	13,312.81
8/22/2006	\$1,490,004.18	\$1,475,104.14	9/7/2006	16.0	33.33	4,082.20	70,748.21
8/23/2006	\$624,843.33	\$618,594.90	9/7/2006	15.0	33.33	1,711.90	31,380.64
8/24/2006	\$1,068,768.68	\$1,058,080.99	9/7/2006	14.0	33.33	2,928.13	56,603.42
8/25/2006	\$645,675.50	\$639,218.74	9/7/2006	13.0	33.33	1,768.97	35,964.81
8/28/2006	\$1,090,197.05	\$1,079,295.08	9/14/2006	17.0	33.33	2,986.84	48,777.77
8/29/2006	\$852,555.52	\$844,029.96	9/14/2006	16.0	33.33	2,335.77	40,480.94
8/30/2006	\$1,265,623.26	\$1,252,967.03	9/14/2006	15.0	33.33	3,467.46	63,561.64
8/31/2006	\$995,714.96	\$985,757.81	9/14/2006	14.0	33.33	2,727.99	52,734.40
9/1/2006	\$1,024,203.47	\$1,013,961.44	9/14/2006	13.0	33.33	2,806.04	57,049.22
9/5/2006	\$759,055.51	\$751,464.95	9/21/2006	16.0	33.33	2,079.60	36,041.39
9/6/2006	\$878,923.96	\$870,134.72	9/21/2006	15.0	33.33	2,408.01	44,140.98
9/7/2006	\$922,349.00	\$913,125.51	9/21/2006	14.0	33.33	2,526.98	48,848.84
9/8/2006	\$998,964.23	\$988,974.59	9/21/2006	13.0	33.33	2,736.89	55,643.37
9/11/2006	\$1,001,884.04	\$991,865.20	9/28/2006	17.0	33.33	2,744.89	44,826.46
9/12/2006	\$1,188,751.32	\$1,176,863.81	9/28/2006	16.0	33.33	3,256.85	56,444.15
9/13/2006	\$751,507.34	\$743,992.27	9/28/2006	15.0	33.33	2,058.92	37,741.91
9/14/2006	\$1,316,925.08	\$1,303,755.82	9/28/2006	14.0	33.33	3,608.01	69,746.11
9/15/2006	\$655,047.86	\$648,497.37	9/28/2006	13.0	33.33	1,794.65	36,486.86
9/18/2006	\$2,447,681.94	\$2,423,205.11	10/5/2006	17.0	33.33	6,705.98	109,514.57
9/19/2006	\$480,167.23	\$475,365.55	10/5/2006	16.0	33.33	1,315.53	22,799.25
9/20/2006	\$940,244.18	\$930,841.73	10/5/2006	15.0	33.33	2,576.01	47,220.58
9/21/2006	\$770,429.43	\$762,725.14	10/5/2006	14.0	33.33	2,110.77	40,802.97
9/22/2006	\$1,416,737.13	\$1,402,569.76	10/5/2006	13.0	33.33	3,881.47	78,913.76
9/25/2006	\$1,331,959.17	\$1,318,639.58	10/12/2006	17.0	33.33	3,649.20	59,594.73
9/26/2006	\$1,400,683.94	\$1,386,677.10	10/12/2006	16.0	33.33	3,837.49	66,507.11
9/27/2006	\$1,039,486.93	\$1,029,092.06	10/12/2006	15.0	33.33	2,847.91	52,204.71
9/28/2006	\$1,495,793.90	\$1,480,835.96	10/12/2006	14.0	33.33	4,098.07	79,219.25
9/29/2006	\$565,413.43	\$559,759.30	10/12/2006	13.0	33.33	1,549.08	31,494.13
10/2/2006	\$1,774,210.94	\$1,756,468.84	10/19/2006	17.0	33.33	4,860.85	79,382.03
10/3/2006	\$1,062,741.96	\$1,052,114.55	10/19/2006	16.0	33.33	2,911.62	50,460.99
10/4/2006	\$1,530,276.70	\$1,514,973.93	10/19/2006	15.0	33.33	4,192.54	76,852.96
10/5/2006	\$977,239.75	\$967,467.35	10/19/2006	14.0	33.33	2,677.37	51,755.92
10/6/2006	\$1,557,183.74	\$1,541,611.90	10/19/2006	13.0	33.33	4,266.26	86,736.79
10/9/2006	\$1,181,060.61	\$1,169,160.14	10/26/2006	17.0	33.33	3,235.78	52,843.20
10/10/2006	\$1,055,549.27	\$1,044,993.78	10/26/2006	16.0	33.33	2,891.92	50,119.47
10/11/2006	\$1,412,001.81	\$1,397,881.79	10/26/2006	15.0	33.33	3,868.50	70,913.01
10/12/2006	\$1,487,097.59	\$1,487,097.59	10/26/2006	14.0	33.33	4,074.24	78,758.68
10/13/2006	\$1,551,237.34	\$1,551,237.34	10/26/2006	13.0	33.33	4,249.97	86,405.57
10/16/2006	\$1,976,689.31	\$1,976,689.31	11/2/2006	17.0	33.33	5,415.59	88,441.35
10/17/2006	\$1,895,705.94	\$1,895,705.94	11/2/2006	16.0	33.33	5,193.71	90,011.69
10/18/2006	\$2,413,789.30	\$2,413,789.30	11/2/2006	15.0	33.33	6,613.12	121,224.39
10/19/2006	\$1,764,495.09	\$1,764,495.09	11/2/2006	14.0	33.33	4,834.23	93,450.02
10/20/2006	\$3,000,662.19	\$3,000,662.19	11/2/2006	13.0	33.33	8,220.99	167,140.07
10/23/2006	\$2,747,826.04	\$2,747,826.04	11/9/2006	17.0	33.33	7,528.29	122,943.67
10/24/2006	\$2,049,246.81	\$2,049,246.81	11/9/2006	16.0	33.33	5,614.37	97,302.10
10/25/2006	\$2,242,438.94	\$2,242,438.94	11/9/2006	15.0	33.33	6,143.67	112,618.90
10/26/2006	\$3,356,887.46	\$3,356,887.46	11/9/2006	14.0	33.33	9,196.95	177,785.25
10/27/2006	\$1,822,621.35	\$1,822,621.35	11/9/2006	13.0	33.33	4,993.48	101,521.95
10/30/2006	\$4,515,777.04	\$4,515,777.04	11/16/2006	17.0	33.33	12,371.99	202,045.61
10/31/2006	\$2,835,209.29	\$2,835,209.29	11/16/2006	16.0	33.33	7,767.70	134,621.08
11/1/2006	\$4,355,790.82	\$4,355,790.82	11/16/2006	15.0	33.33	11,933.67	218,754.83

CCS

WPB-5.1f
9-Jul-07

CCS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recovered	Avg Daily Billings	CWC Requirements	
					From Customer			
11/2/2006	\$2,343,283.72	\$2,343,283.72	11/16/2006	14.0	33.33	6,419.96	124,103.44	
11/3/2006	\$3,698,544.60	\$3,698,544.60	11/16/2006	13.0	33.33	10,133.00	206,012.87	
11/6/2006	\$3,583,470.60	\$3,583,470.60	11/22/2006	16.0	33.33	9,817.73	170,149.94	
11/7/2006	\$3,887,987.85	\$3,887,987.85	11/22/2006	15.0	33.33	10,652.02	195,261.01	
11/8/2006	\$3,353,961.15	\$3,353,961.15	11/22/2006	14.0	33.33	9,188.93	177,630.27	
11/9/2006	\$4,950,579.92	\$4,950,579.92	11/22/2006	13.0	33.33	13,563.23	275,752.57	
11/10/2006	\$2,993,664.22	\$2,993,664.22	11/22/2006	12.0	33.33	8,201.82	174,952.10	
11/13/2006	\$5,552,308.57	\$5,552,308.57	11/30/2006	17.0	33.33	15,211.80	248,422.27	
11/14/2006	\$3,342,861.00	\$3,342,861.00	11/30/2006	16.0	33.33	9,158.52	158,725.34	
11/15/2006	\$5,405,376.60	\$5,405,376.60	11/30/2006	15.0	33.33	14,809.25	271,466.72	
11/16/2006	\$3,249,248.81	\$3,249,248.81	11/30/2006	14.0	33.33	8,902.05	172,084.56	
11/17/2006	\$6,316,736.93	\$6,316,736.93	11/30/2006	13.0	33.33	17,306.13	351,848.96	
11/20/2006	\$4,912,893.25	\$4,912,893.25	12/7/2006	17.0	33.33	13,459.98	219,813.45	
11/21/2006	\$5,968,112.14	\$5,968,112.14	12/7/2006	16.0	33.33	16,350.99	283,377.22	
11/22/2006	\$3,928,121.69	\$3,928,121.69	12/7/2006	15.0	33.33	10,761.98	197,276.60	
11/23/2006	\$0.00	\$0.00	12/7/2006	14.0	33.33	-	-	
11/24/2006	\$0.00	\$0.00	12/7/2006	13.0	33.33	-	-	
11/27/2006	\$6,153,726.49	\$6,153,726.49	12/14/2006	17.0	33.33	16,859.52	275,331.01	
11/28/2006	\$4,102,463.87	\$4,102,463.87	12/14/2006	16.0	33.33	11,239.63	194,792.72	
11/29/2006	\$6,444,408.86	\$6,444,408.86	12/14/2006	15.0	33.33	17,655.91	323,648.60	
11/30/2006	\$3,680,482.51	\$3,680,482.51	12/14/2006	14.0	33.33	10,083.51	194,923.28	
12/1/2006	\$6,372,776.40	\$6,372,776.40	12/14/2006	13.0	33.33	17,459.66	354,970.42	
12/4/2006	\$4,513,819.77	\$4,513,819.77	12/21/2006	17.0	33.33	12,366.63	201,958.04	
12/5/2006	\$4,926,862.88	\$4,926,862.88	12/21/2006	16.0	33.33	13,498.25	233,936.74	
12/6/2006	\$4,472,758.71	\$4,472,758.71	12/21/2006	15.0	33.33	12,254.13	224,629.15	
12/7/2006	\$5,841,689.17	\$5,841,689.17	12/21/2006	14.0	33.33	16,004.63	309,383.67	
12/8/2006	\$3,668,018.22	\$3,668,018.22	12/21/2006	13.0	33.33	10,049.36	204,312.51	
12/11/2006	\$7,419,303.69	\$7,419,303.69	12/28/2006	17.0	33.33	20,326.86	331,955.67	
12/12/2006	\$5,646,196.18	\$5,646,196.18	12/28/2006	16.0	33.33	15,469.03	268,092.04	
12/13/2006	\$6,141,610.44	\$6,141,610.44	12/28/2006	15.0	33.33	16,826.33	308,441.57	
12/14/2006	\$4,885,493.99	\$4,885,493.99	12/28/2006	14.0	33.33	13,384.92	258,742.29	
12/15/2006	\$7,724,803.02	\$7,724,803.02	12/28/2006	13.0	33.33	21,163.84	430,279.74	
12/18/2006	\$7,439,923.15	\$7,439,923.15	1/4/2007	17.0	33.33	20,383.35	332,878.23	
12/19/2006	\$6,325,993.87	\$6,325,993.87	1/4/2007	16.0	33.33	17,331.49	300,370.11	
12/20/2006	\$6,026,977.18	\$6,026,977.18	1/4/2007	15.0	33.33	16,512.27	302,684.50	
12/21/2006	\$9,124,353.42	\$9,124,353.42	1/4/2007	14.0	33.33	24,998.23	483,237.96	
12/22/2006	\$5,757,924.09	\$5,757,924.09	1/4/2007	13.0	33.33	15,775.13	320,722.49	
12/25/2006	\$0.00	\$0.00	1/11/2007	17.0	33.33	-	-	
12/26/2006	\$0.00	\$0.00	1/11/2007	16.0	33.33	-	-	
12/27/2006	\$7,778,951.73	\$7,778,951.73	1/11/2007	15.0	33.33	21,312.20	390,671.49	
12/28/2006	\$5,520,194.06	\$5,520,194.06	1/11/2007	14.0	33.33	15,123.82	292,356.86	
12/29/2006	\$7,997,763.07	\$7,997,763.07	1/11/2007	13.0	33.33	21,911.68	445,483.91	
942,760,010		935,727,011						47,409,764.45

SBS

WPB-5.1g
9-Jul-07

SBS Supplier Billing Cash Working Capital Requirements

Bill Date	100%	Amt Paid	Date Pymt Requested	Days Until Supplier Paid	Days Until Recoverd from Customer	Avg Daily Billings	CWC Requirements
12/15/05	\$4,143,102.94	\$4,101,671.92	2/7/2006	54.0	33.33	\$11,351	(\$234,614.41)
01/15/06	\$4,106,060.76	\$4,065,000.15	3/6/2006	50.0	33.33	\$11,249	(\$187,518.87)
02/15/06	\$4,235,845.88	\$4,193,487.41	4/7/2006	51.0	33.33	\$11,603	(\$205,051.05)
03/15/06	\$4,043,937.03	\$4,003,497.66	5/5/2006	51.0	33.33	\$11,079	(\$195,761.03)
04/15/06	\$2,434,465.80	\$2,410,121.14	6/6/2006	52.0	33.33	\$6,670	(\$124,518.67)
05/15/06	\$1,365,137.49	\$1,351,486.12	7/10/2006	56.0	33.33	\$3,740	(\$84,784.81)
06/15/06	\$821,186.14	\$812,974.27	8/7/2006	53.0	33.33	\$2,250	(\$44,252.06)
07/15/06	\$614,885.59	\$608,736.73	9/8/2006	55.0	33.33	\$1,685	(\$36,504.18)
08/15/06	\$576,030.81	\$570,983.60	10/9/2006	55.0	33.33	\$1,578	(\$34,197.47)
09/15/06	\$695,193.76	\$688,070.55	11/8/2006	54.0	33.33	\$1,905	(\$39,367.23)
10/15/06	\$1,338,892.43	\$1,338,892.43	12/6/2006	52.0	33.33	\$3,668	(\$68,482.01)
11/15/06	\$2,728,490.02	\$2,728,490.02	1/5/2007	51.0	33.33	\$7,475	(\$132,082.18)
12/01/06							
	\$27,103,228.65						(\$1,387,133.95)

EOG / Local & Interstate Actuals Reconciliation
Production Month:
Accounting Month:

Gas Purchase Expense Lead

WPB-6.1h
9-JUL-07

Local Production
AP System Supply
Total Local

Payment of local (Ohio) gas supply is on the 20th of each month.

Interstate	Payments/Accruals 1136390 Clearing		Service Period	Payment Lead	Expense Lead	Composite Expense
Amesade Hess Corp.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Anadarko	10,237,282.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,215,836,780
Aquila Energy	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
BP Energy	63,924,484.12	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	822,866,846
Cabot Oil & Gas	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Cargill, Inc.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
CenterPoint Energy	1,322,165.96	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	454,102,459
Chesapeake Energy	2,953,310.27	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	879,805,073
Cinergy	258,140.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	10,417,069
CMS Marketing	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Commerce Energy	752,008.54	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	30,432,855
Coenergy Trading	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Concord Energy LLC	145.57	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	30,012
ConocoPhillips	3,341,280.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	134,342,772
Constellation NewEnergy	15,300.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	775,860
Coral Energy Resources	30,284,462.26	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,214,057,081
Delta Energy LLC	18,000.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,447,200
Direct Energy Services	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
DTE Energy	22,238,343.45	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	604,985,027
Duke Energy	1,238,144.30	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	77,430,016
Dynegy Marketing	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Eagle Energy Partners	14,156,781.80	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	570,761,020
Econergy Energy Co.	17,385.45	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	711,268
Egan Hill Partners	978,900.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	15,368,960
El Paso	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
EnCana (Formerly PanCanadian)	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Energy America LLC	12,730,983.68	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	510,678,544
Energy Cooperative of Ohio	79,536.44	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	3,197,466
HESS Corp	4,487,150.66	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,785,363,470
Energy-Koch (Aqua Energy)	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Exxon Energy	322,688.60	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	12,872,082
Exxon Mobile Corp.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
First Energy Solutions	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Ford Motor Company	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Galderco	32,356	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,300
Interstate Gas Supply, Inc.	13,855,180.89	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	587,096,891
Lakeshore Energy	3,114,440.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	12,525,877
Louis Dreyfus Energy	39,442,125.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,602,140,113
Matsomeda Energy, Inc.	28,696.95	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,693,246
Mid American Energy	2,851.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	114,844
Mirant	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
MXEnergy	2,134,383.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	206,598,300
New Jersey Natural Gas	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Nicor Energy LLC	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
NJR Energy Services	8,654,145.84	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	348,880,177
Noble	6,278,577.43	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	262,822,433
Occidental	13,734,124.43	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	932,131,406
ONEOK Energy	13,950,183.92	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	1,847,194,778
Pacificorp Power Marketing (PPM Energy)	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Peoples Energy Services Corp.	123,837.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	4,978,351
Phillips Petroleum	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Plymouth Inventory	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Proline Energy	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Reflex	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Sempra	25,344,000	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	14,811,388
Sequent Energy Management	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Shel Energy	77,381,454.87	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	3,108,828,662
Slg Corp	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Southwest Energy LP	1,018,204.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	40,031,837
SouthStar Energy Services	1,004,484.97	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	448,303,316
Sprague Energy Corp.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Superior Natural	24,710,481.34	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	983,361,538
Stand Energy Corp.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Tenaska Gas Storage, LLC	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Tenaska Mktg	22,098,180.64	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	628,585,832
Texasco	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
The New Power Co.	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Total Gas & Power	6,381,827.84	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	256,863,499
TXU	1,630,658.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	73,830,876
U.S. Power & Gas	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Utility Resource Solutions, LP	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
Vedram Retail Source	3,319,420.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	133,440,708
Volunteer Energy Service	28,739.24	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	2,363,335
Western Gas Resources	3,306,231.67	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	233,536,128
Woodward Marketing LLC	0.00	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	-
WPS Energy Services Inc.	1,041,155.23	Gas supplier - paid on the 25th of each month	15.2	25.0	40.2	182,464,440
ANR	978,187.72	ANR pipeline payments are made on the 23rd of each month.	15.2	25.0	38.2	87,289,220
Columbia Gas	484,719.72	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	182,825,014
Columbia Gulf	320,397.40	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	17,397,348
Crosscoast	154,131,127.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	5,277,446
KMG Energy (Agent for MCGT)	0.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	-
North Coast Gas Transmission	310,300.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	10,618,100
Pashanille	825,024.32	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	26,216,830
TETCO	645,251.75	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	22,170,416
TGP	3,845,847.24	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	131,633,667
Transline	0.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	-
TAG	13,254.88	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	4,600,990
Williams	0.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	-
Out of balance	0.00		15.2	18.0	34.2	-
DTI	0.00	Pipeline - paid on the 18th-20th of each month.	15.2	18.0	34.2	-
Total interstate	523,753,388.61					

EOG / Local & Interstate Actuals Reconciliation

Gas Purchase Expense Lead

WPS-5.1h
5-Jul-07

Production Month:
Accounting Month:

Local Production
A/P System Supply
Total Local

0.00 Payment of local (Ohio) gas supply is on the 26th of each month.

Interstate

Payments/Accruals
1136398 Clearing

Service Payment Expenses
Period Lead Lead Composite Expense

Difference Local/ Interstate Book vs. Paid

Payments/Accruals
1136390/1136391
Clearing

DTI (1133210)
VPEM (1133100)
Dom Haps (1133280)
Dom Retail (1133290)

32,727,250.37
0.00
775,891.00
112,540,239.23

DTI: Demand charges in blue are paid on the 12th of each month; transport charges in green are paid the 16th-20th of each month.
Gas supplier - paid on the 25th of each month
Gas supplier - paid on the 25th of each month
Gas supplier - paid on the 25th of each month

Service Period	Payment Lead	Expenses Lead	Composite Expense
15.2	19.0	34.2	1,118,179,600
15.2	25.0	40.2	-
15.2	25.0	40.2	31,160,818
15.2	25.0	40.2	606,727,527

569,834,108.61

39.73 22,841,704,471

**Dominion East Ohio
Calculation of Expense Lead on Payroll**

	<u>Amount</u>	<u>Lead Days</u>	<u>Weighted Average</u>
Biweekly B-5	1,697,575	14.66	24,890,614
Biweekly B-2	62,872,454	21.28	1,338,061,034
Monthly	<u>17,338,977</u>	9.36	<u>162,343,973</u>
	81,909,006	18.62	1,525,295,622
Accrued Vacation (1)	7,252,204	52.90	383,641,592
Incentive Payroll			
Monthly	2,421,252	240.03	581,172,189
B-5	<u>150,112</u>	240.66	<u>36,126,323</u>
Total	91,732,574	<u>27.54</u>	2,526,235,725

(1) Thirteen month average balance

Allocation of Accrued Vacation

Biweekly B-5	2,006,301	2.2%	158,614
Biweekly B-2	68,269,730	74.4%	5,397,276
Monthly	<u>21,456,543</u>	23.4%	<u>1,696,314</u>
	91,732,574		7,252,204

Dominion East Ohio
Calculation of Expense Lead for Other O&M Expenses

<u>Description</u>	<u>Amounts</u>	<u>Expense Lead</u>	<u>Composite Expense</u>
Accounts Payable	21,238,296	44.2	938,772,021
Accounts Receivable	679,265	52.9	35,955,095
Convenience Payment (1)	64,398	10.0	643,981
Accrual Entry	(12,605,827)	52.9	(667,256,324)
InterCompany	51,556,775	40.2	2,072,582,374
Inventory/Purchases	11,178,253	43.8	489,620,748
Payroll	1,273,715	27.5	35,077,014
Other	<u>(37,238)</u>	44.2	<u>(1,645,973)</u>
Totals	73,347,638	39.6	2,903,748,936

**Dominion East Ohio
Calculation of Expense Lead for Benefits**

<u>Description</u>	<u>Expenses</u>	<u>Lead Days</u>	<u>Composite Expenses</u>
Medical			
Convenience Payment			
Medical	8,243,970	7.0	78,730,806
Express Scripts	3,023,623	12.0	36,283,476
InterCompany	(14,116)	40.2	(567,463)
Accounts Payable	5,061	44.2	223,706
Accrual	4,240	52.9	224,433
Life Insurance			
Convenience Payments	211,536	24.2	5,119,171
Accruals	(22,242)	52.9	(1,177,322)
Savings Plan			
Payroll	2,376,910	18.6	44,262,415
Dental/Vision			
Convenience Payment	882,275	-	-
InterCompany	(53,271)	40.2	(2,141,494)
Disability			
Convenience Payments (1)	132,883	-	-
Accruals	487,911	52.9	25,826,286
Admin Fees			
Convenience Payments	222,425	30.4	6,767,238
Accounts Payable	(2,295)	44.2	(101,443)
Other Benefits			
Accounts Payable	27,273	44.2	1,205,517
Convenience Payment	26,769	30.4	814,442
Payroll	47,503	18.6	884,593
Totals w/o Pension & OPEB	15,600,455	12.6	196,354,361
OPEB (1)	26,109,345		
Pension	(49,391,601)		

(1) Maintains \$375,000 escrow account

OPEB				
	07/01/06	12/21/06	172.5	22,494,168
	07/01/06	12/22/06	173.5	3,578,162
			172.6	28,072,330
				4,501,055,087

WPB-5.11
9-Jul-07

Dominion East Ohio
Calculation of Expense Lead for Inventory Transactions

Description	<u>Amount</u>	<u>Expense Lead</u>	<u>Composite Expenses</u>
Accounts Payable	1,912,324	44.2	84,528,263
Accrual Entries	2,030,322	52.9	107,469,759
InterCompany	(10,983)	40.2	(441,517)
Inventory Purchasing	7,333,790	44.2	324,167,100
Inventory Issues	<u>508,740</u>	-	<u>-</u>
Totals	11,774,193	43.8	515,723,605

WPB-5.1m
9-Jul-07

**Dominion East Ohio
Calculation of Expense Lead for Claims**

<u>Description</u>	<u>Amount</u>	<u>Expense Lead</u>	<u>Composit Expenses</u>
Accounts Payable	577,839	44.2	25,541,554
Accounts Receivable	(1,528,951)	52.9	(80,931,003)
Convenience Payments (1)	1,497,852	-	-
Accrual Entry	2,187,984	52.9	115,815,182
InterCompany	1,108,369	40.2	44,556,434
Other	<u>(77,914)</u>	52.9	<u>(4,124,173)</u>
Totals	3,765,179	26.8	100,857,995

(1) Maintains escrow account of \$375,000

WPB-5.1n
9-Jul-07

**Dominion East Ohio Gas
Calculation of Expense Lead for Insurance**

Description	<u>Amount</u>	<u>Expense Lead</u>	<u>Composite Expenses</u>
Accounts Payable	173,099	44.2	7,651,296
Convenience Payment *	(8,375)	10.0	(83,750)
Accrual Entry	1,658,393	(180.0)	(298,510,740)
InterCompany	<u>(12,123)</u>	40.2	<u>(487,345)</u>
Totals	1,810,994	(160.9)	(291,430,538)

* Convenience Payment Average (See Benefits)

Composit Benefit	12,743,481	10.0	127,715,133
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WPB-5.1a
9-Jul-07

Dominion East Ohio
Calculation Of Current Income Tax Expense Lead
For The Twelve Months Ended December 31, 2006

Description	Quarter MidPoint	Payment Date	Lead Days	Percentage	Composite Exp	
					Lead Days	
First Quarter	14-Feb-06	15-Apr-06	60.0	25%	15.00	
Second Quarter	15-May-06	15-Jun-06	30.5	25%	7.63	
Third Quarter	15-Aug-06	15-Sep-06	31.0	25%	7.75	
Fourth Quarter	15-Nov-06	15-Dec-06	30.0	25%	7.50	
Composite Expense Lead						<u>37.88</u>

WFB-5.1q
9-JUL-07

**Dominion East Ohio
Lead Lag Study - Accounts Payable Sample**

	<u>Vendor Name</u>	<u>Dollar Amount</u>	<u>Days</u>	<u>Average Daily</u>	<u>Working Capital Effect</u>	
1	Southern Cross Corp	3,510.00	72.0	9.62	692.38	252,720
2	Ohio Edison	800.32	24.5	2.19	53.72	19,608
3	McJunction Corp	452.84	121.0	1.24	150.05	54,769
4	City of Lima Utilities Dept.	78.70	29.5	0.22	6.36	2,322
5	City of Green	480.00	45.5	1.32	59.84	21,840
6	Suever Stoned Company	10.00	25.0	0.03	0.68	250
7	Ohio Edison	59.53	28.5	0.16	4.65	1,697
8	Mid-American Security Service	1,396.50	19.0	3.83	72.69	26,534
9	Lubes Inc	32.91	33.0	0.09	2.98	1,086
10	Osborne Concrete and Stone	258.91	38.0	0.71	25.54	9,321
11	CE Compenergy	210.17	45.0	0.58	25.91	9,458
12	Marlowes Beverage	223.50	53.0	0.61	32.45	11,846
13	Black Box Resealer	962.25	53.0	2.64	139.72	50,999
14	City of Hubbard	4.00	48.5	0.01	0.53	194
15	AEP	16.91	39.5	0.05	1.83	668
16	Great lakes	69.88	7.0	0.19	1.34	489
17	Heiser Sand and gravel	110.40	8.0	0.30	2.72	994
18	Cleveland Concrete	3,830.40	44.0	10.49	461.75	168,538
19	Praxair Distribution	102.30	82.0	0.28	22.98	8,389
20	Advance Hydraulics	200.00	12.0	0.55	6.58	2,400
21	Tristate Measurement	686.50	20.0	1.82	36.47	13,310
22	Alltel	3,977.17	65.0	10.80	708.26	258,616
23	Hudslb Global Resources	398.00	65.0	1.08	70.52	25,740
24	Tyco fire & security	4,302.00	(353.0)	11.79	(4,160.56)	(1,518,608)
25	Hexagram Inc.	173.48	24.0	0.48	11.41	4,164
26	Heiser Sand and gravel	127.29	14.0	0.35	4.88	1,782
27	Cintas	5.10	7.0	0.01	0.10	36
28	Illuminating Company	172.41	27.0	0.47	12.76	4,655
29	Ohio Edison	45.27	21.5	0.12	2.67	973
30	CCI	150.00	(8.0)	0.41	(3.29)	(1,200)
31	Illuminating Company	2.84	20.5	0.01	0.16	58
32	AEP	16.28	31.5	0.04	1.40	512
33	Andrew Dever & Sons	3,652.19	22.0	10.01	220.13	80,348
34	Shear Comfort Landscaps	625.00	30.0	1.71	51.37	18,750
35	Illuminating Company	16.55	28.0	0.05	1.27	463
36	Illuminating Company	3.92	25.0	0.01	0.27	98
37	Paulding Putnam Electric Coop	27.11	29.0	0.07	2.15	786
38	Xerox	5,488.35	58.5	17.78	1,039.91	379,568
39	Linde Gas LLC	28.47	42.0	0.08	3.28	1,196
40	Bernard Hodas Group	586.20	48.0	1.55	74.46	27,178
41	Ohio Edison	68.38	26.5	0.19	4.98	1,812
42	Ohio Edison	28.75	26.0	0.08	2.05	748
43	Illuminating Company	28.35	27.5	0.06	2.14	780
44	Center for Occupational Medicine	50.00	85.0	0.14	11.64	4,250
45	Black Box	631.25	15.0	1.73	25.94	9,469
46	AEP	19.37	29.5	0.05	1.57	571
47	Ohio Edison	9,738.80	28.5	26.68	760.41	277,550
48	Adelphia	356.27	(16.0)	0.98	(15.62)	(5,700)
49	Tristate Measurement	980.00	37.0	2.71	100.36	38,630
50	Ohio Edison	38.14	25.0	0.11	2.68	979
51	Ohio Edison	24.88	20.5	0.07	1.40	510
52	Guida's Cleaning	97.50	20.0	0.27	5.34	1,950
53	Carrol Electric Cooperative	18.00	25.5	0.05	1.25	459
54	Concerta	44.00	192.0	0.12	23.15	8,448
55	Illuminating Company	112.38	56.0	0.31	17.24	6,283
56	Sander Electric Co.	5,200.00	21.0	14.25	289.18	109,200
57	Guernsey-Muskingum Electric Coop	171.44	18.0	0.47	8.45	3,086
58	Cleveland Public Power	106.94	21.5	0.29	6.30	2,299
59	Lear Fire Equipment	42.50	42.0	0.12	4.89	1,785
60	Van Ru	306.97	39.0	0.84	32.80	11,972
61	Van Ru	177.06	39.0	0.49	18.92	6,905
62	Clear Water Systems	163.00	28.0	0.45	12.95	4,727
63	AEP	14.72	37.5	0.04	1.51	552
64	Bernard Hodas Group	991.50	30.0	2.72	81.49	29,745

WPB-5.1q
9-Jul-07

Dominion East Ohio
Lead Lag Study - Accounts Payable Sample

	<u>Vendor</u> <u>Name</u>	<u>Dollar</u> <u>Amount</u>	<u>Days</u>	<u>Average</u> <u>Daily</u>	<u>Working</u> <u>Capital</u> <u>Effect</u>		
65	Pipeline Automation Systems	1,755.60	29.0	4.81	139.49	50,912	
66	AVI Food Systems	395.50	8.0	1.08	8.87	3,164	
67	Memester Carr	784.29	15.0	2.15	32.23	11,784	
68	JTK Rental & Construction	72.00	9.0	0.20	1.78	848	
69	Shear Comfort Landscape	12,318.62	48.0	33.75	1,552.48	566,657	
70	Mushrush Utility Contracting	188.00	22.0	0.48	10.13	3,696	
71	Corrosion Corrections	7,049.03	22.0	19.31	424.87	155,079	
72	Mushrush Utility Contracting	180.00	29.0	0.49	12.82	4,680	
73	H. M/ Miller Construction	12,213.87	120.0	33.48	4,015.52	1,465,664	
74	Arville Oilfield	3,732.25	45.0	10.23	460.14	167,951	
75	Exxon Mobil Oil Corp	4,688.00	15.0	12.84	192.68	70,320	
76	Ryan Environmental	639.50	24.0	1.75	42.05	15,348	
77	Van RU	870.98	17.0	2.39	40.57	14,607	
78	1127 Construction Inc	165.11	23.0	0.45	10.40	3,788	
79	Corp Collecto Services	69.11	31.0	0.19	5.87	2,142	
80	Norgas	36.00	35.0	0.10	3.45	1,260	
81	Mushrush Utility Contracting	326.00	29.0	0.82	26.70	9,744	
82	Memester Carr	472.07	11.0	1.29	14.23	5,193	
83	Commercial Microbiology	2,700.00	48.0	7.40	340.27	124,200	
84	Arvilla Oilfield	662.60	36.0	1.54	56.48	20,250	
85	Hexagram Inc.	94.15	24.0	0.26	6.19	2,260	
86	NCO Financials Systems	6,706.57	39.0	18.37	716.59	261,556	
87	Impact Landscaping	300.00	28.0	0.82	23.01	8,400	
88	Industrial Scientific	69,000.00	88.0	189.04	12,854.79	4,692,000	
89	Mushrush Utility Contracting	66.50	7.0	0.18	1.28	466	
90	The Illuminating Company	33.08	22.0	0.09	1.99	728	
91	Siemans	106.99	136.0	0.29	39.86	14,551	
92	The Illuminating Company	312.30	18.0	0.88	15.40	5,621	
93	Venture Products	429.11	16.0	1.18	18.81	8,888	
94	The Illuminating Company	147.87	31.5	0.41	12.76	4,658	
95	Star Measurement Services	87.75	71.0	0.24	17.07	6,230	
96	Three z inc	2,729.92	15.0	7.48	112.19	40,949	
97	Black Box Resale	920.00	46.0	2.52	115.95	42,320	
98	Ohio Edison	81.70	28.0	0.22	6.27	2,288	
99	Ohio Cat	208.35	22.0	0.57	12.44	4,540	
100	Clear Water Systems	18.00	24.0	0.05	1.18	432	
101	NCO Financials Systems	8,343.87	31.0	22.86	708.66	258,660	
Totals		192,484.02			23,307.58	44.20	8,507,268

**Dominion East Ohio
Property Tax Expense Lead**

PROPERTY TAXES		
20060104	KO	1900000110
20060116	KO	1900001022
20060116	KO	1900001023
20060122	KO	1900001420
20060122	KO	1900001421
20060124	KO	1900001483
20060124	KO	1900001484
20060124	KO	1900001485
20060124	KO	1900001486
20060126	KO	1900001626
20060126	KO	1900001627
20060126	KO	1900001628
20060126	KO	1900001629
20060126	KO	1900001630
20060130	KO	1900001953
20060131	KO	1900001958
20060131	KO	1900001959
20060131	KO	1900001960
20060131	KO	1900001961
20060131	KO	1900001962
20060131	KO	1900001963
20060201	KO	1900001969
20060201	KO	1900001970
20060202	KO	1900001973
20060202	KO	1900001974
20060204	KO	1900002118
20060207	KO	1900002156
20060209	KO	1900002174
20060209	KO	1900002175
20060209	KO	1900002176
20060209	KO	1900002177
20060209	KO	1900002178
20060210	KO	1900002181
20060213	KO	1900002192
20060214	KO	1900002283
20060214	KO	1900002283
20060214	KO	1900002283
20060217	KO	1900002287
20060218	KO	1900003930
20060221	KO	1900003339
20060222	KO	1900003341
20060222	KO	1900003342
20060222	KO	1900003343
20060222	KO	1900003343
CHPROP05-CLAYHOGA COUNTY TREASURER		
CHPROP05-KNOX COUNTY TREASURER		
CHPROP05-ASHTABULA COUNTY TREASURER		
CHPROP05-FULTON COUNTY TREASURER		
CHPROP05-VAN WERT COUNTY TREASURER		
CHPROP05-GEAUGA COUNTY TREASURER		
CHPROP05-PAULDING COUNTY TREASURER		
CHPROP05-SANDUSKY COUNTY TREASURER		
CHPROP05-ALLEN COUNTY TREASURER		
CHPROP05-HOCKING COUNTY TREASURER		
CHPROP05-LORAIN COUNTY TREASURER		
CHPROP05-HANDCOCK COUNTY TREASURER		
CHPROP05-ERIE COUNTY TREASURER		
CHPROP05-SHELBY COUNTY TREASURER		
CHPROP05-LAKE COUNTY TREASURER		
CHPROP05-HOLMES COUNTY TREASURER		
CHPROP05-AUGLAIZE COUNTY TREASURER		
CHPROP05-HARDIN COUNTY TREASURER		
CHPROP05-LAKE COUNTY TREASURER		
CHPROP05-MEDINA COUNTY TREASURER		
CHPROP05-FAIRFIELD COUNTY TREASURER		
CHPROP05-STARK COUNTY TREASURER		
CHPROP05-TAX COLLECTOR OF MOBILE COUNTY		
CHPROP05-PUTNAM COUNTY TREASURER		
CHPROP05-SUMMIT COUNTY TREASURER		
CHPROP05-PORTAGE COUNTY OF		
CHPROP05-MERCER COUNTY TREASURER		
CHPROP05-GUERNESEY COUNTY TREASURER		
CHPROP05-CARROLL COUNTY TREASURER		
CHPROP05-BELMONT COUNTY TREASURER		
CHPROP05-WAYNE COUNTY TREASURER		
CHPROP05-WOOD COUNTY TREASURER		
CHPROP05-HARRISON COUNTY TREASURER		
CHPROP05-TREASURER OF TUSCARAWAS		
CHPROP05-MUSKINGUM COUNTY TREASURER		
WVPROP05-WEST VIRGINIA STATE AUDITORS OF		
CHPROP05-COLUMBIANA COUNTY TREASURER		
CHPROP05-VINTON COUNTY TREASURER		
CHPROP05-TRUMBULL COUNTY TREASURER		
CHPROP05-COSHOCTON COUNTY TREASURER		
CHPROP05-ASHLAND COUNTY TREASURER		
CHPROP05-RICHLAND COUNTY TREASURER		

**Dominion East Ohio
Property Tax Expense Lead**

PROPERTY TAXES		Payment for 1st half 2005			
20060223	KO 18000033356	02/22/2006	02/23/2006	98,187.69	328.5
20060223	KO 1800004347	03/02/2006	03/03/2006	7,458.76	336.5
20060303	KO 18000004879	03/10/2006	03/14/2006	32,150.99	347.5
20060314	KO 1800006551	03/12/2006	03/22/2006	578,597.19	355.5
20060605	KO 1800011156	06/04/2006	06/05/2006	60,380.14	248.0
20060605	KO 1800011157	06/04/2006	06/05/2006	176,878.71	248.0
20060605	KO 1800011158	06/04/2006	06/05/2006	5,772.34	248.0
20060605	KO 1800011159	06/04/2006	06/06/2006	14,775.68	249.0
20060608	KO 1800011855	06/21/2006	06/22/2006	61,281.87	265.0
20060622	KO 1800012854	06/21/2006	06/22/2006	52,497.41	265.0
20060622	KO 1800012855	06/26/2006	06/27/2006	159,401.09	270.0
20060627	KO 1800012873	06/26/2006	06/27/2006	38,957.02	270.0
20060627	KO 1800012874	06/26/2006	06/27/2006	15,387.68	270.0
20060627	KO 1800012875	06/27/2006	06/28/2006	2,891,818.47	271.0
20060628	KO 1800013307	06/28/2006	06/29/2006	140,031.05	272.0
20060628	KO 1800013308	06/28/2006	06/29/2006	785.25	272.0
20060628	KO 1800013309	06/28/2006	06/29/2006	79,564.54	272.0
20060628	KO 1800013321	06/28/2006	06/29/2006	47,835.43	272.0
20060628	KO 1800013322	06/28/2006	06/29/2006	6,328.87	272.0
20060628	KO 1800013323	06/28/2006	06/29/2006	22,879.81	272.0
20060628	KO 1800013324	06/28/2006	06/29/2006	69,664.52	272.0
20060628	KO 1800013325	06/28/2006	06/29/2006	243,662.70	272.0
20060628	KO 1800013326	06/30/2006	07/01/2006	29,874.81	274.0
20060701	KO 1800013351	07/01/2006	07/02/2006	339,919.02	275.0
20060702	KO 1800013352	07/03/2006	07/04/2006	309,161.04	277.0
20060704	KO 1800013379	07/03/2006	07/04/2006	2,820.97	277.0
20060704	KO 1800013380	07/03/2006	07/04/2006	149,382.68	277.0
20060704	KO 1800013381	07/03/2006	07/04/2006	837,176.26	277.0
20060704	KO 1800013382	07/03/2006	07/04/2006	313.68	277.0
20060704	KO 1800013383	07/04/2006	07/05/2006	7,885.20	278.0
20060705	KO 1800013384	07/04/2006	07/05/2006	239,313.69	278.0
20060705	KO 1800013385	07/04/2006	07/05/2006	694.47	278.0
20060705	KO 1800013386	07/04/2006	07/05/2006	34,295.74	278.0
20060705	KO 1800013387	07/04/2006	07/05/2006	32,150.99	278.0
20060705	KO 1800013388	07/04/2006	07/05/2006	5,939.39	278.0
20060705	KO 1800013389	07/04/2006	07/05/2006	5,088.36	278.0
20060705	KO 1800013390	07/04/2006	07/05/2006	1,583.90	278.0
20060705	KO 1800013391	07/04/2006	07/05/2006	1,887.71	278.0
20060705	KO 1800013392	07/04/2006	07/05/2006	20,808.39	278.0
20060705	KO 1800013393	07/06/2006	07/07/2006	7,459.78	280.0
20060707	KO 1800013808	07/06/2006	07/07/2006	1,328,574.74	284.0
20060711	KO 1800013876	07/10/2006	07/11/2006	1,328,574.74	284.0
20060711	KO 1800013877	07/10/2006	07/11/2006	119,461.17	284.0
20060713	KO 1800014138	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
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20060713	KO 1800014139	07/12/2006	07/13/2006	9,655.75	286.0
20060713	KO 1800014139	07/12/200			

**Dominion East Ohio
Property Tax Expense Lead**

PROPERTY TAXES	KO	1900014367	CHIPROP05-LUCAS COUNTY TREASURER	07/15/2006	07/18/2006	9,300.56	Payment for 1st half 2005	08/30/05	289.0	2,887,862
20080718	KO	1900014372	CHIPROP05-CARROLL COUNTY TREASURER	07/17/2006	07/18/2006	72,328.86	"	08/30/05	291.0	21,047,898
20080720	KO	1900014807	CHIPROP05-WASHINGTON COUNTY TREASURER	07/19/2006	07/20/2006	98,187.89	"	08/30/05	293.0	28,768,983
20080721	KO	1900014841	CHIPROP06-TRUMBULL COUNTY TREASURER	07/20/2006	07/21/2006	272,789.04	"	08/30/05	294.0	80,199,878
20080721	KO	1900014842	CHIPROP06-MAHONING COUNTY TREASURER	07/20/2006	07/21/2006	578,587.16	"	08/30/05	294.0	189,519,585
20080810	KO	1900016374	CHIPROP06-COLUMBIANA COUNTY TREASURER	08/09/2006	08/10/2006	47,380.07	8,648,983.38	08/30/05	314.0	14,880,482
						17,306,341.59				5,014,596,908
							On gas			
							Inventory stored			
20080824	KO	1900017663	WVPROP06-WEST VIRGINIA STATE AUDITORS OF	08/23/2006	08/24/2006	22,738.48	In W Va	07/01/06	54.0	1,227,608
							On gas			
							Inventory stored			
20081216	KO	1900028209	LAPROP06-ACADIA PARISH	12/15/2006	12/16/2006	2,737.97	In Louisiana	07/01/06	169.0	459,879
			Total Payments			17,331,813.04				6,018,273,496
			Current year activity			(1,459,383.07)				289.43
			Balance 12/31/2006			\$ (18,842,435.52)				

Note: The liability account 2299130 - Other Deferred Credit - Misc - Ohio Property Tax is established as of December 31 of the preceding year by debiting a deferred asset and credit the liability. These accounts are relieved monthly as accruals are recorded for this current year.

Dominion East Ohio
Excise Tax Expense Lead

WPB-5.1s

9-Jul-07

Payment Date	Service Period	Payment Lead	Expense Lead	Composite Exp
02/17/08	46.00	48.0	94.00	701,996,230
05/12/08	45.00	42.0	87.00	1,031,596,236
08/15/06	45.50	46.0	91.50	417,529,140
11/14/06	46.00	45.0	91.00	193,428,508
				<u>2,344,550,114</u>
			<u>90.13</u>	

WPC-5.1t
8-Jul-07

Dominion East Ohio Sales and Use Tax Expense Lead

SALES AND USE TAX		Service Period		
KN 1900031122	OHUSET05	01/17/2006	01/19/06	67,044.68
KN 190002846	OHUSET06	02/13/2006	02/16/06	45,687.27
KN 190005404	OHUSET06	03/15/2006	03/17/06	35,982.57
KN 190008243	OHUSET06	05/08/2006	05/10/06	44,735.72
KN 1900012116	ohuset06	06/13/2006	06/15/06	45,317.94
KN 1900014387	OHUSET06	07/17/2006	07/18/06	53,589.25
KN 1900015982	ohuset06	08/10/2006	08/10/06	41,982.44
KN 1900019316	ohuset06	09/12/2006	09/13/06	47,774.81
KN 1900020783	ohuset06	10/16/2006	10/18/06	43,524.16
KN 1900023928	ohuset06	11/14/2006	11/15/06	53,168.84
KN 1900025836	ohuset06	12/18/2006	12/19/06	74,638.36
Total Expense Paid				553,446.04
KN 20060119	KN 1900031122	OHUSET05	01/17/2006	67,044.68
KN 20060216	KN 190002846	OHUSET06	02/13/2006	45,687.27
KN 20060317	KN 190005404	OHUSET06	03/15/2006	35,982.57
KN 20060510	KN 190008243	OHUSET06	05/08/2006	44,735.72
KN 20060615	KN 1900012116	ohuset06	06/13/2006	45,317.94
KN 20060718	KN 1900014387	OHUSET06	07/17/2006	53,589.25
KN 20060810	KN 1900015982	ohuset06	08/10/2006	41,982.44
KN 20060913	KN 1900019316	ohuset06	09/12/2006	47,774.81
KN 20061018	KN 1900020783	ohuset06	10/16/2006	43,524.16
KN 20061115	KN 1900023928	ohuset06	11/14/2006	53,168.84
KN 20061219	KN 1900025836	ohuset06	12/18/2006	74,638.36
				553,446.04

WPB-5.1u
9-Jul-07

**Dominion East Ohio
Gross Receipts Tax Expense Lead**

<u>Amount Paid</u>	<u>Service Period</u>	<u>Quarter End Date</u>	<u>Pay date</u>	<u>Payment lead</u>	<u>Expense Lead</u>	<u>Composite Exp</u>
(3,148,960.92)	0		0			
12,433,543.19	46.00	12/31/2005	02/10/2006	41.00	87.00	1,081,718,258
21,910,845.83	45.00	3/30/2006	06/13/2006	75.00	120.00	2,629,301,512
17,064,708.87	45.50	6/30/2006	08/08/2006	39.00	84.50	1,441,967,900
11,481,890.70	48.00	9/30/2006	11/14/2006	45.00	91.00	1,043,032,054
<u>59,722,027.77</u>					<u>103.75</u>	6,196,019,722

**Dominion East Ohio
PUCO & OCC Maintenance Expense Lead**

WPB-5.1v
9-Jul-07

Fees & Assessments Payments Summary

PUCO - Annual Assessment
Based on prior year Intrastate Gross Revenues

Ohio Consumers' Counsel - Annual Assessment
Based on prior year Intrastate Gross Revenues

<u>Payment Date</u>	<u>Amount</u>	<u>Mid Point of Service Period</u>	<u>Expense Lead</u>	<u>Compos# Exp</u>
05/01/2008	748,698.63	12/31/05	121.00	90,350,534
08/27/2008	1,088,475.16	12/31/05	270.00	283,348,283
	<u>1,833,173.79</u>			
05/30/2006	177,377.02	12/31/06	150.00	28,808,563
08/26/2006	227,887.57	12/31/05	288.00	61,020,269
	<u>405,064.59</u>		210.58	

Dominion East Ohio

Calculation of the C-3.15 Adjustment for the Commodity Exchange/Firm Receipt Point Option Revenue Sharing Mechanism - Original Filing

Description:

DEO is proposing to share Commodity Exchange and Firm Receipt Point Revenues with customers under the following tiered structure:

\$0 to \$5,000,000	15% retained by DEO;	85% credited to customers
Over \$5,000,000 to \$10,000,000	20% retained by DEO;	80% credited to customers
Over \$10,000,000	25% retained by DEO;	75% credited to customers

The Unadjusted Test Year Revenues for the two revenue streams to be combined and shared are as follows:

Commodity Exchange Revenue	\$ 5,988,247	Source: Preliminary unadjusted test year revenue worksheet
Firm Receipt Point Option Revenue	\$ 7,729,480	Source: Preliminary unadjusted test year revenue worksheet
Total	\$ 13,695,727	

The portion of Test Year Revenue to be retained by DEO is as follows:

Tier	% Shared	Amount Shared
\$0 to \$5,000,000	15%	\$ 750,000
Over \$5,000,000 to \$10,000,000	20%	\$ 1,000,000
Over \$10,000,000	25%	\$ 923,932
Total		\$ 2,673,932

The resulting C-3.15 adjustment to Other Revenues is as follows:

Unadjusted Test Year Revenues	\$ 13,695,727
Adjusted Test Year Revenues	\$ 2,673,932

C-3.15 Adjustment \$ (11,021,795)

Note: The portion of the applicable revenues retained by DEO equals:

Unadjusted Test Year Revenues	\$ 13,695,727
Portion Retained by DEO	\$ 2,673,932
% Retained by DEO	19.52%

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to	)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval of	)	Case No. 07-830-GA-ALT
an Alternative Rate Plan for its Gas)	
Distribution Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to	)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
VICKI H. FRISCIC
ON BEHALF OF
DOMINION EAST OHIO**

☐ Management policies, practice and organization

☒ Operating income

☒ Rate base

☐ Allocations

☐ Rate of return

☐ Rates and tariffs

☐ Other

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1 **Direct Testimony of**

2 **Vicki H. Friscie**

3 **I. WITNESS IDENTIFICATION AND BACKGROUND**

4 **Q1. Please state your name, occupation and business address.**

5 A1. My name is Vicki H. Friscie. I am employed by The East Ohio Gas Company, d/b/a
6 Dominion East Ohio ("DEO" or "Company"), as Manager Regulatory & Pricing,
7 reporting directly to Jeffrey Murphy. My business address is 1201 East 55th Street,
8 Cleveland, Ohio 44103-1028.

9 **Q2. Please describe your educational background and work experience.**

10 A2. I graduated from Ohio University in 1980 with a Bachelor of Business Administration
11 degree. In 1980, I joined the accounting firm Price Waterhouse as an auditor, became a
12 licensed CPA in 1982, and was promoted to Audit Manager in 1986. From 1987 to 1989,
13 I worked for Progressive Insurance and held managerial accounting positions with
14 responsibility for accounts payable, billing, cash processing, and internal reporting for
15 Progressive's Financial Services Group. In 1989, I was employed by Pepsi-Cola as
16 Manager, Financial Services for its Northeast Ohio franchise with responsibility for
17 accounts receivable and credit, route sales auditing, and computer operations. From 1993
18 to 1997, I worked as a CPA for a local firm providing accounting, business consulting,
19 and tax services to small businesses. I was hired by The East Ohio Gas Company ("East
20 Ohio," now DEO) in December 1997 as Manager, Tax and Accounting Services. In
21 2001, I joined DEO's Pricing and Regulatory Affairs department. I am currently a
22 member of the Ohio Society of CPAs.

1 **Q3. What are your job responsibilities as Manager Regulatory & Pricing?**

2 A3. My current responsibilities include preparing tariff and other regulatory filings,
3 determining the adequacy of rider rates, tracking regulatory cost deferrals and related
4 recoveries, coordinating and providing support for internal and external audits, providing
5 rates-related accounting and tax support, responding to rates-related inquiries, and
6 providing support for any other regulatory matters.

7 **Q4. In your capacity as Manager Regulatory & Pricing, are you generally familiar with**
8 **the Company's books and records?**

9 A4. Yes.

10 **II. PURPOSE OF TESTIMONY**

11 **Q5. What is the purpose of your testimony in this proceeding?**

12 A5. I am responsible for supporting the following schedules in this rate proceeding, which
13 were prepared by me or under my direction and supervision:

14 Section B: B-5.1, B-6.2, B-7, B-7.1, B-7.2, B-8, and B-9

15 Section C: All schedules except C-1, C-4, C-4.1, and certain C-3 adjustments

16 Section D: Schedules D-5 and PCD-5

17 **Q6. Does your testimony include information for the East Ohio and West Ohio divisions**
18 **of DEO?**

19 A6. Yes. Since The West Ohio Gas Company was merged into East Ohio as of December 31,
20 1996, combined financial information has been presented.

III. B SCHEDULES

Q7. Please describe Schedule B-5.1.

A7. Schedule B-5.1 provides date certain and 13-month average balances for the non-cash components included in the working capital calculation. These non-cash components include the following:

(1) Customers' deposits offset: The test year average balance of customers' security deposits is (\$24,059,713).

(2) Interest on customers' deposits: The amount (\$721,791) represents the amount of test year interest that will accrue on and be added to the average balance of test year customers' deposits.

(3) Materials and supplies held for normal operations: DEO's materials and supplies do not include any inventories held for additions and new construction. The test year average balance of materials and supplies in inventory is \$2,278,708.

(4) Percentage of Income Payment Plan (PIPP) uncollectibles balance: This amount is the test year average balance of PIPP arrearages under twelve months old. The test year average balance is \$123,385,458. This balance is further discussed in the testimony of Jeffrey A. Murphy.

Q8. Please describe Schedule B-6.2.

A8. Schedule B-6.2 is not applicable. Because contributions in aid of construction are netted against gross plant balances shown on Schedule B-2.1, they are not considered a separate other rate base item.

1 **Q9. Schedules B-7, B-7.1, and B-7.2 request jurisdictional allocation factors,**
2 **jurisdictional allocation statistics, and changes in allocation procedures. Do these**
3 **schedules apply to DEO?**

4 A9. No. The Company's entire service territory is jurisdictional. DEO does not have any
5 non-jurisdictional utility plant.

6 **Q10. Please describe Schedule B-8.**

7 A10. Schedule B-8 summarizes Gas Received, Sales and Other Deliveries, and Company Use
8 for the twelve months ended March 31, 2007, the date certain. This data is used to
9 calculate the Company's unaccounted-for gas.

10 **Q11. Please describe Schedule B-9.**

11 A11. Where applicable, Schedule B-9 provides the data for each CWIP project which was
12 included in rates effective after April 10, 1985, and which was placed into service
13 between the date certain of the last rate case and the date certain of this rate case. DEO
14 does not have CWIP amounts embedded in current rates, and there are no projects for
15 which mirroring was begun in a prior case and will not be completed by the effective date
16 of rates authorized as a result of this case.

17 **IV. C SCHEDULES**

18 **Q12. What is shown on Schedule C-2?**

19 A12. Schedule C-2 is DEO's summary of its jurisdictional adjusted operating income at current
20 rates for the test year. This schedule summarizes the unadjusted test year income and
21 expenses from Schedule C-2.1 in the third column and adjustments to income and
22 expenses from Schedule C-3 in the fourth column. The summarized unadjusted test year
23 income and expense and the related adjustments are summed to arrive at adjusted
24 operating income and expenses, which are shown in the fifth column. Adjusted and

1 unadjusted federal income tax amounts are supported by Schedules C-4 and C-4.1,
2 respectively, which are described in the direct testimony of DEO witness Robert Taylor.
3 The adjusted information shown on Schedule C-2 contains representative levels of
4 revenues at current rates and normal and reasonable levels of expenses associated with
5 providing service to, and meeting the obligation to serve, the Company's customers for
6 the test year.

7 **Q13. Please describe Schedule C-2.1.**

8 A13. Schedule C-2.1 provides details by function and by FERC account number of DEO's test
9 year unadjusted revenues and expenses. The test year income and expenses comprise
10 three months of actual data and nine months of forecasted data. Federal income tax
11 amounts shown have been determined based on the unadjusted test year income and
12 expenses. Because the rates proposed in this proceeding apply to all of the Company's
13 service territories, and all service areas are jurisdictional, no jurisdictional allocations of
14 less than 100% are necessary.

15 **Q14. Please describe the schedules that support the adjustments on Schedule C-2.**

16 A14. The adjustments shown on schedule C-2 are supported by the summary information
17 contained in Schedule C-3 and its corresponding detailed information shown in
18 Schedules C-3.1 through C-3.31. The adjustments described in these latter schedules are
19 made to reflect annualizations, reclassifications, normalizations, additions, and
20 eliminations to derive an income statement for the test year that accurately portrays the
21 financial condition of the Company under current rates and provides an appropriate basis
22 for setting rates. Because the federal income tax effect of each adjustment is shown on

Schedule C-3 and the total tax effect ties to Schedule C-4, there is not a separate adjustment for federal income tax.

Q15. What is the purpose of the adjustment to synchronize date certain revenue and gas cost shown on Schedule C-3.1?

A15. There are timing differences between the purchase of gas from Standard Service Offer ("SSO") suppliers during the calendar month and the amounts billed to SSO customers during the revenue month. The adjustment of \$12,494,370 increases 2007 purchased gas costs through March 31, 2007, the date certain, to match amounts billed to customers in the same period in order to eliminate those timing differences from the test year.

Q16. Please describe the adjustment for the sale of storage in place shown on Schedule C-3.2.

A16. In January and February 2007, DEO made sales of stored gas to SSO suppliers totaling \$22,758,722, which was recorded as revenue on DEO's books. Offsetting entries totaling \$21,677,683 were made to apply the sales proceeds, net of gross receipts tax, as a reduction of costs deferred for recovery through the Transportation Migration Rider - Part B. Since sales of storage to SSO suppliers are not recurring transactions, the adjustment on Schedule C-3.2 removes the sales from test year operating revenue, and removes the offsetting gas cost entries and the related gross receipts tax expense of \$1,081,039 accrued on the sales from test year operating expenses.

Q17. What is the operating revenue and cost annualization adjustment shown on Schedule C-3.3?

A17. The adjustment on Schedule C-3.3 is needed to synchronize test year operating revenues and purchased gas costs based on projected test year sales volumes that have been normalized for the effect of weather. The determination of projected test year volumes

1 by rate schedule is described in the direct testimony of DEO witness Larry Rice. The
2 annualized sales volumes were priced using DEO's current base rates to arrive at adjusted
3 base revenues, and at the actual SSO rates for January through June 2007 and projected
4 SSO rates for the remainder of 2007 to arrive at adjusted gas cost revenues. Rider
5 revenues were determined by applying the latest known rates to applicable annualized
6 volumes. Purchased gas costs included in test year operating expenses were adjusted to
7 equal adjusted gas cost revenues.

8 **Q18. Please describe the billed riders adjustment on Schedule C-3.4.**

9 A18. Similar to the adjustment of purchased gas cost expense to match gas cost revenues, the
10 adjustment on Schedule C-3.4 synchronizes operating expenses associated with riders
11 charged by DEO with associated adjusted test year operating revenues. For this purpose,
12 DEO has grouped its rider-related operating expenses in three categories: (1) gas cost
13 related riders, which include volume banking fees, the Transportation Migration Rider –
14 Part A, and the Transportation Migration Rider – Part B; (2) uncollectible expense riders,
15 which include the PIPP Rider and the Uncollectibles Expense Rider; and (3) tax-related
16 riders, which include the natural gas consumption excise tax rider and the gross receipts
17 tax rider.

18 **Q19. What is the gross receipts tax adjustment shown on Schedule C-3.5?**

19 A19. The adjustment on Schedule C-3.5 adjusts total test year gross receipts tax expense to the
20 level of expense to be recognized based on adjusted test year operating revenues reduced
21 for projected non-taxable revenues, taking into account the adjustment on Schedule C-3.2
22 to total gross receipts tax expense and the adjustment on Schedule C-3.4 to the portion of
23 gross receipts tax expense recovered through the gross receipts tax rider.

1 **Q20. Please explain the charitable contributions adjustment on Schedule C-3.6.**

2 A20. This adjustment removes from operating expenses the amount of test year charitable
3 contributions to be allocated to DEO by Dominion Resources Services Inc. ("Service
4 Company"). Charitable contributions to be incurred directly by DEO are not included in
5 test year operating expenses.

6 **Q21. What is the adjustment for GTI program funding shown on Schedule C-3.7?**

7 A21. The adjustment on Schedule C-3.7 increases test year operating expenses by \$600,000
8 representing DEO's planned annual funding for the Gas Technology Institute's ("GTI")
9 Operational Technology Development program, which is discussed in the direct
10 testimony of DEO witness Ron Edelstein.

11 **Q22. Please describe the rate case expense adjustment shown on Schedule C-3.8.**

12 A22. Schedule C-3.8 shows an increase to test year operating expenses for the incremental
13 costs associated with filing this rate case amortized over three years. The details of those
14 incremental costs are contained in Schedule C-8, which will be described later in this
15 testimony. Such expenses are considered to be incremental since they have not been
16 included in the budgeted amount for FERC account 928, regulatory commission expense,
17 or in any other expense category shown on Schedule C-2.1

18 **Q23. Please explain the depreciation expense adjustment on Schedule C-3.12.**

19 A23. The adjustment on Schedule C-3.12 adjusts test year depreciation and amortization
20 expense to the level of expense determined by applying current depreciation rates to
21 property balances at March 31, 2007, the date certain. The amount of this adjustment is
22 the difference between unadjusted test year total depreciation and amortization expense

1 shown on Schedule C-2.1 and the total depreciation and amortization expense at current
2 rates shown on Schedule B-3.2 "Current."

3 **Q24. What is the depreciation expense adjustment shown on Schedule C-3.13?**

4 A24. This adjustment is needed to reflect total depreciation and amortization expense on date
5 certain property at proposed depreciation rates, which are supported by the latest
6 depreciation study performed by Gannett-Fleming. The results of the latest depreciation
7 study have been provided to Commission Staff as well as the Office of the Ohio
8 Consumers' Counsel ("OCC"), and will be provided to other interested parties in this
9 proceeding upon request. The amount of the adjustment is the difference between total
10 depreciation and amortization expense on date certain property at current rates shown on
11 Schedule B-3.2 "Current" and total depreciation and amortization expense on date certain
12 property at proposed depreciation rates shown on schedule B-3.2 "Proposed." This
13 adjustment matches test year expenses with the used and useful plant valuation at the date
14 certain.

15 **Q25. Please describe the adjustment for interest on customers' deposits on Schedule C-**
16 **3.14.**

17 A25. Schedule C-3.14 shows an increase to test year operating expenses representing the
18 reclassification of the interest expense associated with customers' security deposits.
19 Interest expenses are not generally included in operating expenses. In the calculation of
20 working capital, however, the thirteen-month average balance of customer deposits is
21 eliminated from rate base as a non-investor supplied source of funds. As a result, this
22 adjustment is made to properly reflect DEO's cost of that funding source in its total cost
23 of service.

1
2 **Q26. Please explain the property tax expense adjustment shown on Schedule C-3.16.**

3 A26. The adjustment on Schedule C-3.16 is needed to reflect test year property tax expense at
4 the level of expense determined by applying the latest known property tax rates to the
5 assessed value of adjusted jurisdictional property at the date certain, March 31, 2007. As
6 with the depreciation expense adjustments, the property tax expense calculation resulting
7 in this adjustment provides a matching of test year expenses to the used and useful plant
8 valuation at the date certain.

9 **Q27. What is the adjustment for annualized wages, salaries, and benefits shown on**
10 **Schedule C-3.17?**

11 A27. This adjustment represents the annualized effect of labor cost increases occurring or
12 anticipated to occur during the test year and includes any corresponding increase in
13 overtime and benefits. Consistent with other operations and maintenance expenses, the
14 portion of the labor cost increase that would be capitalized has been excluded. The
15 annualized wages, salaries, and benefits adjustment results in operating expenses that
16 appropriately reflect labor cost increases that are known and measurable and
17 representative of the levels of expense that will be incurred when the proposed rates
18 become effective.

19 **Q28. Please describe the payroll tax adjustment on Schedule C-3.18.**

20 A28. Schedule C-3.18 shows an adjustment to taxes other than income taxes to reflect payroll
21 tax expense commensurate with the adjusted test year labor costs. Included in the
22 calculation of this adjustment are the F.I.C.A. taxes and federal and state unemployment
23 taxes determined by applying current rates to test year taxable wages. As with the

1 adjustment for annualized wages, salaries and benefits, taxes on capitalized labor costs
2 have been excluded.

3 **Q29. Please explain the adjustment for lobbying expense shown on Schedule C-3.19.**

4 A29. Although DEO's test year lobbying expense is not included in operating expenses, test
5 year operating expenses include such costs allocated to DEO by the Service Company.
6 The adjustment on Schedule C-3.19 eliminates costs incurred by the Service Company
7 for political activities.

8 **Q30. What is the PUCO and OCC assessments adjustment on Schedule C-3.20?**

9 A30. This adjustment was made to adjust the annual PUCO maintenance fee and the OCC fund
10 assessment at the level determined by applying historical rates to revenues reported on
11 the 2006 Intrastate Gross Earnings report filed with the Commission. This calculation
12 reflects the level of assessments expected to be levied during this test year.

13 **Q31. Please describe the advertising expense adjustment on schedule C-3.21.**

14 A31. For purposes of setting rates, DEO has excluded all advertising expenses from test year
15 operating expenses, including both the amount expected to be incurred directly by DEO
16 and the amount expected to be allocated to DEO from the Service Company.

17 **Q32. Please explain the adjustment for dues and memberships included on Schedule C-**
18 **3.22.**

19 A32. A review of dues and memberships expense included in test year allocations from the
20 Service Company identified certain civic and industry dues paid to organizations that do
21 not benefit the customers of DEO. Accordingly, such expenses have been removed from
22 test year operating expenses as shown on Schedule C-3.22. Test year dues and
23 memberships costs that are anticipated to be incurred by DEO include no social or service

1 club dues or other dues to organizations that provide no benefits to DEO's customers and,
2 accordingly, have been included in test year operating expenses.

3 **Q33. What is the public relations expense adjustment shown on Schedule C-3.23?**

4 A33. DEO has excluded from test year operating expenses costs incurred for social and
5 charitable activities since such costs have been held to be non-recoverable in rates. This
6 adjustment includes both costs anticipated to be incurred directly by DEO as well as costs
7 to be allocated to DEO from the Service Company. Also included in the adjustment is
8 employee relations expense allocated from the Service Company.

9 **Q34. Please describe the annual incentive plan expense adjustment on Schedule C-3.25.**

10 A34. The adjustment shown on Schedule C-3.25 adjusts annual incentive plan expense
11 included in test year operating expenses to reflect incentive plan amounts actually paid in
12 2007.

13 **Q35. Did DEO include a test year adjustment to include costs incurred in connection with**
14 **the Commission's investigation of natural gas service risers?**

15 A35. No. On February 5, 2007, DEO filed an application in Case No. 07-125-GA-AAM
16 requesting approval to defer costs incurred in connection with the Commission's
17 investigation of natural gas service risers, with the appropriate level of recovery to be
18 addressed in DEO's next base rate case. Because that case is pending before the
19 Commission and no ruling has yet been made, the Company has not included a Schedule
20 C-3 adjustment for such costs. Should the Commission approve DEO's application in
21 that case during the course of this rate case, DEO recommends that the Commission
22 incorporate such costs into the revenue increase authorized for the Company.

1 **Q36. Are there other Schedule C-3 adjustments that you have not explained?**

2 A36. Yes. Other Schedule C-3 adjustments that are not described in this testimony are
3 addressed in the direct testimony of DEO witnesses Jeffrey A. Murphy and Daniel M.
4 Ives.

5 **Q37. Why are there no social or service club dues shown on Schedule C-5?**

6 A37. As indicated in my discussion of Schedule C-3.22, DEO has excluded any amounts
7 related to social or service club dues from adjusted test year operating expenses.

8 **Q38. Why are there no charitable contributions shown on schedule C-6?**

9 A38. As described in my discussion of Schedule C-3.6, DEO's charitable contributions are not
10 included in its operating expenses and DEO has excluded from test year operating
11 expenses any amounts related to charitable contributions allocated from the Service
12 Company.

13 **Q39. Please describe Schedule C-7.**

14 A39. Schedule C-7 provides the unadjusted test year amounts charged to the following FERC
15 accounts shown on Schedules C-2.1, broken down by labor and other expenses: FERC
16 accounts 907 through 910 included in customer service and informational expenses,
17 FERC accounts 911 through 916 included in sales expenses, and FERC account 930.1,
18 general advertising expense.

19 **Q40. Please explain the rate case information shown on Schedule C-8.**

20 A40. This schedule details the estimated rate case expenses for the current case, the estimated
21 rate case expense for the most recent prior case, and the actual and estimated expenses for
22 the next most recent case. The schedule also shows a summary of the amortization of the

1 expenses estimated for this case and actually incurred for the rate case prior to the most
2 recent case. As stated in DEO's motion requesting a waiver of the standard filing
3 requirements in this case regarding Schedule C-8, DEO was unable to locate records of
4 the actual rate case expense in the most recent case, Case No. 93-2006-GA-AIR. The
5 actual expenses incurred for the rate case prior to the most recent case were obtained
6 from Schedule C-8 filed in the most recent case. The Commission approved DEO's
7 waiver request on August 15, 2007. Although DEO's last two rate cases were resolved
8 through stipulations by the parties involved, the estimated expenses for the current case
9 reflect the assumption that the case will be fully litigated.

10 **Q41. Please explain the information presented in Schedules C-9 and C-9.1.**

11 A41. Schedule C-9 details the payroll and payroll-related costs included in unadjusted test year
12 expenses as well as the effect of applicable Schedule C-3 adjustments to those payroll
13 and related costs. The information is further supported by Schedule C-9.1, which
14 analyzes payroll information for the total company and for each of DEO's employee
15 classifications, salaried and hourly. The analyses in Schedule C-9.1 include data for the
16 *most recent five calendar years as well as for the test year* and present the man-hours,
17 labor dollars, employee benefits, payroll taxes, and employee levels. Also included in
18 Schedule C-9.1 are the monthly employee levels for the prior two calendar years and the
19 test year. It should be noted that two versions of the total company data are presented:
20 one that includes DEO's pension benefit credits in total employee benefits and employee
21 benefits expensed and one that excludes the pension benefit credits from these lines of the
22 schedule. The version that excludes the pension benefit credits displays a truer
23 representation of the ratio of employee benefits expensed to total employee benefits and

1 is consistent with the proposed treatment of the test year pension expense credit described
2 in the testimony of Mr. Ives.

3 **Q42. Please explain the Gross Revenue Conversion Factor calculated on Schedule C-10.**

4 A42. The Gross Revenue Conversion Factor, which is used on Schedule A-1 in the
5 determination of the revenue deficiency, is computed by assuming that each dollar
6 increase in operating revenue is offset by an associated increase in uncollectibles
7 expense, state gross receipts excise tax, and federal income tax. In order to calculate the
8 resulting operating income of an incremental revenue dollar, operating revenues are
9 initially assumed to 100% of each incremental dollar. For DEO, since no reduction of
10 that percentage results from increased uncollectibles due to the existence of the
11 Uncollectibles Expense Rider, zero percent is entered onto Line 2 of the calculation. The
12 current gross receipts excise tax rate of 4.75% is then applied to the operating revenues
13 after adjusting for the uncollectibles percentage, with the result of 4.75% shown on Line
14 4. The reduction associated with federal income taxes is calculated by applying the
15 current marginal tax rate of 35% to operating revenues after reduction for uncollectibles
16 and gross receipts tax. This provides a result of 33.3375%, which is shown on Line 6.
17 Taking into account the reductions on Lines 2, 4, and 6, DEO's incremental operating
18 income is 61.9125% of each incremental operating revenue dollar, as shown on Line 7.
19 The Gross Revenue Conversion Factor of 1.615183 is determined by dividing the
20 incremental revenue percentage of 100 by the operating income percentage of 61.9125.

21 **Q43. Please describe the data presented on Schedule C-11.1 and C-11.2.**

22 A43. Schedule C-11.1 presents comparative balance sheets as of December 31, 2002 through
23 2006, and as of the date certain, March 31, 2007. The amounts on this schedule were

1 obtained from the Company's books of record as of the applicable dates. Schedule C-
2 11.2 presents the corresponding comparative income statements for the years ending
3 December 31, 2002 through 2006, and for the test year ending December 31, 2007. The
4 amounts on this schedule for the historical years were obtained from the Company's
5 books of record for the applicable calendar year. The amounts provided for the test year
6 correspond to amounts shown as Adjusted Revenues and Expenses on Schedule C-2
7 through Net Operating Income. Other Income and Deductions was determined using
8 three months actual data and *nine months* of planned data. Interest charges reflect the
9 amount of interest expense shown on Schedule C-4 less estimated test year AFDC.

10 **Q44. What information is provided on Schedules C-12.1 through C-12.4 ?**

11 A44. These schedules are summaries of revenue and sales statistics for five historical years and
12 five projected years as well as the test year. All historical data was taken from DEO's
13 books of record. The projected data was determined from volumes and customer counts
14 projected for DEO's 2008 – 2012 financial plan, which is currently being developed. The
15 test year data corresponds with the adjusted test year revenues shown on Schedule C-2.
16 Schedule C-12.1 shows total company revenue statistics and Schedule C-12.2 shows the
17 same information as jurisdictional revenue statistics. Schedule C-12.3 shows total
18 company sales statistics and Schedule C-12.4 shows the same information as
19 jurisdictional sales statistics.

20 **Q45. Please describe the information shown on Schedule C-13.**

21 A45. Schedule C-13 provides an analysis of activity in the reserve for uncollectible accounts
22 for the three most recent years and for the test year, including the ratios of net write-offs
23 and the provision for uncollectibles expense to the ending reserve balance. As noted on

1 Schedule C-13, amounts deferred for collection through the Uncollectibles Expense Rider
2 have been excluded from this analysis.

3 **V. D SCHEDULES**

4 **Q46. Please explain the information presented on Schedule D-5.**

5 A46. Schedule D-5 provides comparative financial data for the test year and the ten most
6 recent years for DEO. Balance sheet data used to provide the test year amounts are taken
7 from the Company's financial records as of the date certain, March 31, 2007. Income
8 statement information for the test year corresponds to amounts shown as Adjusted
9 Revenues and Expenses on Schedule C-2 through Net Operating Income. Other Income
10 and Deductions was determined using three months actual data and nine months of
11 planned data. Interest charges reflect the amount of interest expense shown on Schedule
12 C-4, and AFDC is based on a financial estimate. Information for the historical years was
13 obtained from the Company's financial statements.

14 **Q47. What is the information shown on Schedule PCD-5?**

15 A47. Schedule PCD-5 is the parent company version of Schedule D-5. For purposes of this
16 schedule, information for the years 1997 through 1999 is provided for Consolidated
17 Natural Gas Company, and information for the years 2000 through 2007 is provided for
18 Dominion Resources, Inc. Balance sheet information for 2007 is presented as of June 30,
19 2007, the most recent date for which financial data was available, and income statement
20 information for 2007 is presented for the six months ended June 30, 2007.

21 **Q48. Does this conclude your testimony?**

22 A48. Yes.

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to	)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval of	)	Case No. 07-830-GA-ALT
an Alternative Rate Plan for its Gas)	
Distribution Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to	)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
SYLVIA P. GREEN
ON BEHALF OF
DOMINION EAST OHIO**

___ Management policies, practice and organization

 X Operating income

 X Rate base

___ Allocations

___ Rate of return

___ Rates and tariffs

___ Other

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Direct Testimony of

Sylvia P. Green

I. WITNESS IDENTIFICATION AND BACKGROUND

Q1. Please state your name, occupation and business address.

A1. My name is Sylvia P. Green. I am employed as the Manager of Fixed Asset Accounting by Dominion Resources Services, Inc. ("Service Company"). My business address is 701 East Cary Street, Richmond, Virginia 23219.

Q2. Please summarize your educational background and employment experience.

A2. I graduated from Longwood College (currently Longwood University) in Farmville, Virginia in May 1979 with a Bachelor of Science degree in Business Administration with an accounting concentration. In May 1984, I received a Masters of Business Administration degree from the University of Richmond, Richmond, Virginia. In addition, I am currently licensed by the Virginia Board of Accountancy as a Certified Public Accountant. I began work with Virginia Electric and Power Company ("Virginia Electric") in May 1979 as an Assistant Accountant. Since that time I have been employed by either Virginia Electric or the Service Company in various accounting and information technology positions. In March 2005, I transferred from a position of Manager in the Information Technology Department for the Service Company to my current position as Manager of Fixed Asset Accounting.

Q3. In your current position, are you familiar with the books and records of The East Ohio Gas Company d/b/a Dominion East Ohio ("DEO" or "Company")?

A3. Yes.

II. PURPOSE OF TESTIMONY

Q4. What is the purpose of your testimony in this proceeding?

A4. The purpose of my testimony is to sponsor the following Section B Schedules, which address rate base and adjustments to rate base: B-2, B-2.1, B-2.2, B-2.3, B-2.4, B-2.5, B-3, B-3.1, B-3.2, B-3.3, and B-3.4.

Q5. Were these schedules prepared by you or under your direction and supervision?

A5. Yes.

Q6. Does your testimony include information for the combined operations of DEO's East Ohio and West Ohio divisions?

A6. Yes, it does. For questions regarding detailed transaction data, separate schedules have been prepared to reflect detailed transactions for West Ohio from December 31, 1982 through December 31, 1996; East Ohio from December 31, 1993 through December 31, 1996; and for the combined Company from December 31, 1996 through March 31, 2007, the date certain.

III. B SCHEDULES

Q7. What information is shown on Schedule B-2?

A7. Schedule B-2 is a summary of the Company's plant in service by major property groupings as of March 31, 2007, the date certain. The schedule also summarizes the adjustments made to arrive at the adjusted jurisdictional plant in service by major property groupings as of the date certain. The total adjusted original cost of jurisdictional plant in service as of March 31, 2007, is \$1,939,317,268.

1 **Q8. What does Schedule B-2.1 show?**

2 A8. Schedule B-2.1 details, by plant account, the book cost of the plant in service data
3 summarized in Schedule B-2.

4 **Q9. What does Schedule B-2.2 show?**

5 A9. Schedule B-2.2 details the proposed adjustments to plant in service by account number.

6 **Q10. What adjustments have been proposed by the Company?**

7 A10. The Company is proposing six types of adjustments to plant in service. These
8 adjustments remove from plant in service: (1) the acquisition cost of assets no longer in
9 service; (2) costs for asset retirement obligations recorded in accordance with SFAS No.
10 143; (3) capitalized leasehold improvements not retired upon expiration of the leases;
11 (4) a contribution in aid of construction ("CIAC") paid by DEO; (5) costs associated with
12 the extension of various leases; and (6) a reserve for future gas losses included in
13 underground storage.

14 **Q11. Please describe Schedule B-2.3.**

15 A11. Schedule B-2.3 details, by plant account, the actual book balances at March 31, 2007, as
16 well as the actual additions, retirements and transfers that occurred between December
17 31, 1982 through December 31, 1996 for West Ohio; December 31, 1993 through
18 December 31, 1996 for East Ohio; and December 31, 1996 through March 31, 2007 for
19 DEO.

20 **Q12. What is shown on Schedule B-2.4?**

21 A12. Schedule B-2.4 is a list of all the leased property and improvements to leased properties
22 that are capitalized and included in the rate base.

1 **Q13. Schedule B-2.5 requests information on property excluded from rate base. Does the**
2 **Company have any such property?**

3 A13. Yes, the Company has excluded non-utility property with an original cost of \$2,559,940.

4 **Q14. Please describe Schedule B-3.**

5 A14. Schedule B-3 details by plant account the Company's depreciation reserve balances, by
6 major property groupings as of March 31, 2007, and the adjustments made to arrive at the
7 total adjusted jurisdictional depreciation reserve at the date certain of \$ 852,185,473.

8 **Q15. What is the rationale for the adjustments to the depreciation reserve identified on**
9 **Schedule B-3.1?**

10 A15. The adjustments on Schedule B-3.1 were made in order to reconcile the depreciation
11 reserve with plant in service in light of the related property adjustments shown on
12 Schedule B-2.2.

13 **Q16. What is shown on Schedule B-3.2?**

14 A16. Schedule B-3.2 sets forth, as of the date certain, jurisdictional plant investment, current
15 and proposed depreciation accrual rates and the calculated current and proposed annual
16 depreciation expense. The current depreciation accrual rates used by DEO became
17 effective January 1, 2001 as approved by the Commission in Case No. 01-2592-GA-
18 UNC, with the exception of the accrual rate for Account 303.03, Miscellaneous
19 Intangible Plant, which became effective January 1, 2003 as approved by the
20 Commission in Case No. 03-2204-GA-AAM.

21 **Q17. Please explain Schedule B-3.3.**

22 A17. Schedule B-3.3 is the summary of depreciation reserve accruals, retirements and transfers
23 which occurred between December 31, 1982 through December 31, 1996 for West Ohio,

1 December 31, 1993 through December 31, 1996 for East Ohio, and December 31, 1996
2 through March 31, 2007 for DEO.

3 **Q18. Please describe Schedule B-3.4.**

4 A18. Schedule B-3.4 contains the depreciation reserve and amortization expense related to
5 leased property and improvements to leased property disclosed in Schedule B-2.4.

6 **Q19. Does this conclude your testimony?**

7 A19. Yes.

8 COL-1381047v1

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
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)	
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The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
ROBERT D. TAYLOR
ON BEHALF OF
DOMINION EAST OHIO**

___ Management policies, practice and organization

X Operating income

X Rate base

___ Allocations

___ Rate of return

___ Rates and tariffs

___ Other

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1 **Direct Testimony of**

2 **Robert D. Taylor**

3 **I. WITNESS IDENTIFICATION AND BACKGROUND**

4 **Q1. Please state your name, occupation and business address.**

5 A1. My name is Robert D. Taylor. I am employed by Dominion Resources Services, Inc.
6 ("Service Company") as Managing Director - Corporate Taxation. My business address
7 is 701 E. Cary Street, Richmond, Virginia 23219.

8 **Q2. Please summarize your educational background and employment experience.**

9 A2. I graduated from Duquesne University (Pittsburgh, PA) in December 1972 with a
10 Bachelor of Arts Degree in Political Science. After graduating from Duquesne, I enrolled
11 in their evening business school taking various accounting, business law and business
12 mathematics courses in preparation for the Pennsylvania Certified Public Accountant's
13 exam. I passed the exam in May 1977. I obtained a Masters of Science Degree in
14 Taxation from Robert Morris College in 1981.

15 From 1969 through June of 1978, I worked for Sauer, Ahlquist and Associates, a local
16 Pittsburgh CPA firm concentrating in various areas of federal, state and local taxation of
17 individuals, corporations, estates and trusts as well as audits and financial statement
18 compilations. From July 1978 to February 1980, I worked for another local Pittsburgh
19 CPA firm, Crawford, Ellenbogen and Company in the same capacity.

20 In February of 1980, I joined Consolidated Natural Gas Service Company, Inc.
21 ("CNGS") as Senior Auditor. In September of 1980, I accepted a position in a new
22 department, the Strategic Financial Planning Department as a senior analyst. I was

1 appointed Assistant Treasurer, Finance in CNGS' Corporate Treasury Department in
2 September 1984 and in January 1986 transferred to the Tax Department as Assistant
3 Director, Taxes. Since then, I progressed to Director and to Assistant Vice President,
4 Taxes. After the merger of CNGS' parent company, Consolidated Natural Gas
5 Company, with Dominion Resources, Inc. ("DRI"), I accepted the position of Director -
6 Corporate Taxation with the Service Company and was subsequently promoted to my
7 current position of Managing Director - Corporation Taxation.

8 **Q3. Are you a member of any professional organizations that address tax issues?**

9 A3. Yes. I am a member of the American, Pennsylvania and Virginia Institutes of Certified
10 Public Accountants as well as the Tax Executives Institute. In addition, I am a member
11 of the Tax Committees of the Interstate Natural Gas Association of America ("INGAA")
12 and the American Gas Association ("AGA").

13 **Q4. What are your responsibilities as DRS's Managing Director - Corporate Taxation?**

14 A4. I assist in the management and coordination of the DRI corporate tax function to ensure
15 compliance with all tax laws in accordance with the highest standards of professional
16 competence and integrity. That responsibility entails establishing system-wide policies
17 for tax matters; furnishing tax advice and guidance to system companies; oversight of the
18 federal, state and local audits; engaging in tax research and planning and consulting with
19 outside tax counsel; and engaging in special projects and studies concerning major
20 acquisitions, reorganizations and other business transactions.

1 **II. PURPOSE OF TESTIMONY**

2 **Q5. What is the purpose of your testimony in this proceeding?**

3 **A5. My testimony addresses the following issues:**

- 4 • Tax Related Rate Base Items - Schedules B-6 and B-6.1; and
5 • Tax Related Cost of Service Issues - Schedules C-4 and C-4.1.

6 **Q6. Were these schedules prepared by you or under your direction and supervision?**

7 **A6. Yes.**

8 **III. TAX RELATED RATE BASE ITEMS – SCHEDULES B-6 AND B-6.1**

9 **Q7. Please describe the Investment Tax Credit adjustment to Other Rate Base Items as**
10 **reflected on Schedule B-6.**

11 **A7. Dominion East Ohio's ("DEO") adjustment to FERC Account 255 - Investment Tax**
12 **Credit reflects the normalization adjustment under former Internal Revenue Code Section**
13 **46(f)(2)(B). Under former IRC Sec. 46(f), the benefits of the investment tax credits**
14 **provided under former IRC Sec. 38 are not available for public utility property if the**
15 **benefits related to those credits were "flowed through" to the utilities ratepayers in the**
16 **ratemaking process as an immediate reduction to either rate base or income taxes in the**
17 **utility's cost of service calculations. In order to receive the benefits of the investment tax**
18 **credits, DEO elected to ratably flow through (amortize) the investment tax credits in its**
19 **cost of service federal income tax calculation and not to reflect any adjustments to rate**
20 **base. Investment tax credits earned prior to 1971 were not subject to the normalization**
21 **requirements and are reflected as an adjustment to rate base.**

1 **Q8. Please describe the Deferred Income Tax adjustments to Other Rate Base Items as**
2 **reflected on Schedule B-6.**

3 **A8. DEO's adjustment to FERC Account 283 - Alternative Minimum Tax eliminates the**
4 **accumulated deferred taxes impact associated with the Alternative Minimum Tax Credit.**
5 **DEO computes the current federal income tax expense for ratemaking purposes using the**
6 **regular tax rate of 35% and not the minimum tax rate of 20%, as reflected in the**
7 **consolidated federal income tax return.**

8 **DEO's adjustment to FERC Account 283 - Bad Debts - PIPP eliminates the accumulated**
9 **PIPP deferred taxes. PIPP bad debts are recovered through a separate rider and not**
10 **through base rates.**

11 **DEO's adjustment to FERC Account 283 - Bad Debts - Tracker eliminates the**
12 **accumulated deferred taxes associated with the uncollectibles expense adjustment**
13 **mechanism. Most of DEO's non-PIPP uncollectibles expense is recovered through a**
14 **separate rider and not through base rates.**

15 **DEO's adjustments to FERC Account 283 - FIN 48 eliminate the impact on accumulated**
16 **deferred taxes resulting from DEO's adoption of FASB Interpretation No. 48,**
17 **Accounting for Uncertainty in Income Taxes, effective January 1, 2007. Taking into**
18 **consideration the uncertainty and judgment involved in the determination and filing of**
19 **income taxes, FASB Interpretation No. 48 establishes standards for measurement and**
20 **recognition in financial statements of positions taken by an entity in its income tax**
21 **returns. Positions taken, or expect to be taken, by an entity in its income tax returns that**
22 **are recognized in the financial statements must satisfy a more-likely-than-not recognition**
23 **threshold, assuming that the position will be examined by taxing authorities with full**

1 knowledge of all relevant information. In the case of these adjustments, due to
2 uncertainty about the timing of certain deductions for tax purposes, the application of
3 FASB Interpretation No. 48 resulted in a decrease to DEO's accumulated deferred tax
4 liabilities.

5 DEO's adjustment to FERC Account 283 - Pension eliminates the accumulated pension
6 deferred taxes. As discussed in the direct testimony of DEO witness Daniel Ives, the
7 FAS 87 impact of accounting for pensions is eliminated for this base rate filing.

8 DEO's adjustment to FERC Account 190 - UPGA (Unrecovered Purchased Gas
9 Adjustment) eliminates the accumulated UPGA deferred taxes. UPGA is recovered
10 through a separate rider and not through base rates.

11 **Q9. Does DEO normalize temporary differences?**

12 A9. Yes. DEO provides deferred taxes (normalizes) on all temporary differences. The
13 Commission granted the Company authorization to normalize all temporary differences
14 in Case No. 93-2006-GA-AIR.

15 **IV. TAX RELATED COST OF SERVICE ISSUES – SCHEDULES C-4 AND C-4.1**

16 **Q10. Please describe Schedule C-4.**

17 A10. Schedule C-4, Adjusted Jurisdictional Federal Income Taxes, shows the calculation of
18 federal income taxes based upon the adjusted and proforma test year revenues and
19 expenses delineated on Schedules C-1, C-2 and C-3. The computation includes the effect
20 of reconciling items related to those revenues and expenses. Deferred taxes have been
21 provided to normalize all temporary differences.

1 **Q11. Please describe Schedule C-4.1.**

2 A11. Schedule C-4.1, Development of Jurisdictional Federal Income Taxes Before
3 Adjustments, shows the calculation of federal income taxes based upon the unadjusted
4 test year revenues and expenses delineated on Schedules C-2 and C-2.1. The
5 computation includes the effect of reconciling items related to those revenues and
6 expenses. Deferred taxes have been provided to normalize all temporary differences.

7 **Q12. Does this conclude your testimony?**

8 A12. Yes.

9 COI-1381088v3

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to)	Case No. 07-829-GA-AIR
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)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
LARRY J. RICE
ON BEHALF OF
DOMINION EAST OHIO**

___ Management policies, practice and organization

___ Operating income

___ Rate base

___ Allocations

___ Rate of return

___ Rates and tariffs

 X Other – Cost of Service

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1
2 **Direct Testimony of**

3 **Larry J. Rice**

4 **I. WITNESS IDENTIFICATION AND BACKGROUND**

5 **Q1. Please state your name, occupation and business address.**

6 A1. My name is Larry J. Rice. I am a Senior Transportation Analyst within the
7 Transportation Services Department at Dominion East Ohio ("DEO" or "Company").
8 My business address is 1201 E. 55th Street, Cleveland, Ohio 44103-1028.

9 **Q2. Please summarize your educational background and business experience.**

10 A2. I graduated from the University of Akron in 1986 with a Bachelor of Science degree in
11 Accounting. I worked for DEO as a Management Intern – General Accounting in 1984
12 and 1985 and a Management Intern – Planning and Budgeting in 1986. I joined DEO
13 full-time in 1987 and have held various positions over the past twenty years in Planning
14 and Budgeting, Gas Accounting, High Pressure Billing, Revenue Reporting, Rates and
15 Regulatory, Gas Forecasting, Customer Billing and most recently, Transportation
16 Services.

17 **Q3. Please summarize your current job responsibilities relevant to DEO's Application.**

18 A3. In my current position, I am responsible for preparing the volumetric forecast for use in
19 the five-year financial plan, which is based on projected future income statements for
20 Company planning, and the posting of daily targets for the Energy Choice and SSO
21 programs. The daily targets are the estimated daily volumes being consumed at the
22 marketer pool level by its customers. The marketer is then expected to deliver for that

1 day the matching supply onto DEO's system. In the past I have also prepared the
2 volumetric forecast for the Long Term Forecast Report ("LTFR").

3 **II. PURPOSE OF TESTIMONY**

4 **Q4. What is the purpose of your testimony?**

5 A4. The purpose of my testimony is to sponsor Schedules E-4 and E-4.1, which summarize
6 revenues by class and by schedule at present and proposed rates.

7 **Q5. Were these schedules prepared by you or under your direction and supervision?**

8 A5. Yes.

9 **III. SCHEDULES E-4 AND E-4.1**

10 **Q6. What do Schedules E-4 and E-4.1 show?**

11 A6. Schedule E-4 summarizes the information detailed in Schedule E-4.1 regarding
12 annualized operating revenue at both current and proposed rates. Both schedules are sub-
13 totaled at the Residential and Non-Residential customer level within each rate schedule.
14 Separate sub-totals are provided for DEO's East Ohio and West Ohio divisions, as well
15 as at a total Company level (*i.e.*, East Ohio and West Ohio combined). Schedule E-4
16 includes line items for Other Revenue and the Migration Rider – Part B impact that are
17 not included in Schedule E-4.1. Mr. Murphy explains the Proposed and Current Other
18 Revenue and Migration Rider – Part B impact in his direct testimony.

19 **Q7. Please explain how the rate blocks shown in Schedule E-4 were established.**

20 A7. I obtained billing records from April 2006 through March 2007 from the Customer
21 Information Systems, the Customer Care System ("CCS") (for predominantly residential
22 and small non-residential customers) and the Special Billing System ("SBS") (for

1 predominantly large non-residential customers.) Each billing record was reviewed and
2 single service fee records (a single service fee record reflects usage for only one revenue
3 month) were processed through a program that allocated the volumes into blocks based
4 on the total usage of the bill. Attachment LJR 5.1 to my testimony identifies the blocks
5 used in Schedule E-4. The blocks were determined by reviewing the Standard Filing
6 Requirements for Schedule E-4 and subsidiary schedules as they apply to the current
7 blocking for all rate schedules. After all records were processed, volume totals for each
8 block for a revenue month were created based on division (East Ohio or West Ohio), rate
9 schedule and account type (residential or non-residential). Next, a percentage of total
10 volumes for each block for the rate schedule and revenue month was determined. This
11 percentage was applied against the test year forecasted volumes for that revenue month to
12 arrive at the number of volumes within that block. All records with multiple service fees
13 were summed to confirm that all volumes for the month were accounted for, but they
14 were not included in the blocking analysis. These records reflect bills that were cancelled
15 and rebilled during the revenue month and show consumption for multiple revenue
16 months. Part of the initial processing of the billing records looked for bills that were
17 eventually cancelled and removed them from the blocking analysis as well.

18 **Q8. How were the volumes in Schedules E-4 and E-4.1 forecasted?**

19 A8. The projected volumes for approximately one hundred of the largest customers were
20 provided at an account level by the Sales Department. The remaining volumes were
21 forecasted at a customer class level by rate schedule. The variables used to determine
22 monthly test year volumes were billing days, heating degree-days ("HDDs"), number of
23 customers, daily base load and heating factor per degree-day. The daily base load and

1 heating factors were based on the most recent twelve months of billing information and
2 were unique to the customer class and rate schedule being forecast. The HDDs used for
3 the test year were determined by reviewing the results of regressions using various years
4 of moving averages and selecting the equation with the highest r-squared. The projected
5 number of customers within a given rate schedule was based on the current composition,
6 month-to-month variation in customer levels, and an annual customer growth rate based
7 on a five-year history. The gas cost and associated sales tax for Energy Choice
8 customers, which is billed on behalf of customers by their supplier, is not included in the
9 revenue shown on the ECTS or LVECTS rate schedules. Firm Storage Service ("FSS")
10 revenue at full margin rates was estimated based on current contract levels and assuming
11 that full contract levels are injected and withdrawn during the storage season.

12 **Q9. Please explain Rate Schedules GTS, GTS-N, DTS and DTS-N.**

13 A9. Schedules GTS and DTS apply to Generation Transportation Service ("GTS") and Daily
14 Transportation Service ("DTS"), respectively. Certain existing customers that will
15 qualify for service under the proposed GTS and DTS schedules currently receive
16 negotiated transportation rates. These negotiated rates are provided to address customer-
17 specific competitive situations. In order to track volumes and revenues separate from
18 accounts charged at standard GTS or DTS rates, a sub-class within each rate schedule
19 was created with a delineation of "-N." By providing separate schedules for customers
20 charged competitive rates, there will be no increase or decrease in revenue as a result of
21 certain customers receiving a negotiated rate. DEO will continue to bill these accounts at
22 present negotiated rates after the proposed rates go into effect.

1 Q10. Does this conclude your testimony?

2 A10. Yes, it does.

Blocks Used To Accumulate Volumes

Block	Start	End
01	0.0	0.0
02	0.1	5.0
03	5.1	10.0
04	10.1	25.0
05	25.1	50.0
06	50.1	100.0
07	100.1	125.0
08	125.1	175.0
09	175.1	200.0
10	200.1	300.0
11	300.1	400.0
12	400.1	500.0
13	500.1	1,000.0
14	1,000.1	1,500.0
15	1,500.1	2,000.0
16	2,000.1	3,000.0
17	3,000.1	4,000.0
18	4,000.1	5,000.0
19	5,000.1	10,000.0
20	10,000.1	15,000.0
21	15,000.1	20,000.0
22	20,000.1	25,000.0
23	25,000.1	30,000.0
24	30,000.1	40,000.0
25	40,000.1	50,000.0
26	50,000.1	75,000.0
27	75,000.1	100,000.0
28	100,000.1	999,999.9

**BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO**

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to	)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval of	)	Case No. 07-830-GA-ALT
an Alternative Rate Plan for its Gas)	
Distribution Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to	)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
CLIFF ANDREWS
ON BEHALF OF
DOMINION EAST OHIO**

___ Management policies, practice and organization

___ Operating income

___ Rate base

___ Allocations

___ Rate of return

___ Rates and tariffs

X Other – Cost of Service

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ATTACHMENT CA-6.1

Direct Testimony of

Cliff Andrews

I. WITNESS IDENTIFICATION AND BACKGROUND

Q1. Please state your name, occupation and business address.

A1. My name is Cliff Andrews. I am currently employed as a Business Development Manager for The East Ohio Gas Company d/b/a Dominion East Ohio ("DEO" or "Company"). My business address is 1201 East 55th Street, Cleveland, Ohio 44103.

Q2. Please summarize your educational background and employment experience.

A2. I graduated from Michigan State University in 1985 with a BA degree in Accounting. I earned a MBA from the Weatherhead School of Management at Case Western Reserve University with a concentration in Finance in 1993. I started working for DEO in 1986 as a contract employee developing software for economic analysis of new market opportunities. I joined DEO in 1987 and since then have held various positions in Marketing, Sales, Planning and Business Development.

Q3. Please summarize your current job responsibilities relevant to DEO's Application.

A3. I am currently responsible for developing annual and long-term throughput and revenue forecasts for the industrial customer segment. Additionally, I am responsible for developing various models for analyzing competition for our existing customer base as well as new opportunities to increase sales. Through my experience in the industry and with the Company, I have developed an understanding of the usage patterns of the various customer classes served by DEO and the nature of the costs incurred to serve them.

II. PURPOSE OF TESTIMONY

Q4. What is the purpose of your testimony?

A4. The purpose of my testimony is to support the Schedule E-3.2 class cost of service study submitted in the Company's Application and the related work papers.

Q5. Were the cost of service study and relative workpapers prepared by you or under your supervision?

A5. Yes.

III. CLASS COST OF SERVICE STUDY

Q6. What is the purpose of a cost of service study?

A6. The purpose of a cost of service study is to determine the costs to serve each of the Company's major customer classes so that their respective revenue responsibility and requirements may be established. The study tabulates not only the revenues and expenses attributable to a given customer class, but also that class's share of rate base. Ultimately, a class cost of service study is an important tool used to assist with rate design. The rate of return by customer group indicates whether the revenue provided by the customers in each group recovers the cost to serve those customers. In summary, the cost of service study helps insure that the proposed rates are "cost based," meaning that each class bears its appropriate cost to serve that class.

Q7. What methodology did you use to perform a cost of service study?

A7. I utilized a three-step process generally referred to as functionalization, classification and allocation. In my experience, this is a recognized and accepted methodology for performing a cost of service study in the natural gas industry.

1 **Q8. Please explain the process of functionalization, classification and allocation.**

2 A8. Functionalization is the process of separating expenses and rate base items according to
3 utility function (production/gathering, storage, transmission and distribution). The
4 functional allocation of costs was accomplished through the utilization of the Company's
5 accounting system which tracks costs/plant items in accordance with the FERC uniform
6 system of accounts prescribed for natural gas companies.

7 Classification identifies the component of utility service being provided. There are at
8 least four basic components to the services rendered by DEO: demand/capacity related,
9 energy/commodity related, customer related, and revenue related. Capacity costs are
10 incurred to meet the maximum demand imposed on the system. Commodity costs vary
11 with the volume of natural gas utilized by customers. Customer-related costs are driven
12 by the number and type of customers served. Finally, certain costs are better allocated on
13 the basis of revenues. Examples of these are certain taxes, the operating revenue portion
14 of working capital, customer information and sales expenditures.

15 After the costs have been functionalized and classified, the next step is to allocate them
16 among the primary customer classes. This is accomplished through the employment of
17 allocation factors that specify each class's share of a particular cost driver such as peak
18 day requirements, throughput, or number of customers. The appropriate allocation factor
19 is then applied to the respective cost element to calculate the share of cost for each
20 customer class.

1 **Q9. Are there certain costs that do not lend themselves to functional categories?**

2 **A9. Yes. Certain cost items such as working capital and taxes are treated separately.**

3 Working capital items are segregated into a cash component and several average monthly
4 balance components. Each item within these categories is allocated based on the most
5 appropriate allocation factor. Taxes are segregated into other taxes and federal income
6 taxes, with the major components in each category being allocated in accordance with its
7 underlying nature.

8 **Q10. Are there certain cost items within functional categories that do not lend themselves**
9 **to classification as capacity, commodity, or customer related?**

10 **A10. Yes. For example, general and administrative ("G&A") expenses are not tracked along**
11 **functional lines. These costs support general activities across functional boundaries.**

12 Therefore, they have been allocated proportionally according to the functional share of
13 total non-G&A operations and maintenance ("O&M") expenditures and then allocated to
14 the respective customer classes according to the customer class share of each functional
15 component. The same process is used to allocate general plant related costs including
16 gross plant, accumulated depreciation and depreciation expense. Allocating costs in that
17 manner indicates that both G&A and general plant support functional activities in a
18 proportionate manner.

19 **Q11. How was the breakdown between commodity and capacity determined?**

20 **A11. For transmission and certain distribution expenses, the commodity portion was derived**
21 **by applying the system load factor (33.185%) to the applicable expenditures and/or plant**
22 **items and were allocated based on total throughput (allocation factor #1). The remaining**
23 **portion (66.815%) was deemed to be capacity related and was allocated based on excess**

1 peak day requirements (allocation factor # 6). For storage and gas stored underground
2 (plant only), the commodity portion of expenditures are based on the average winter
3 storage requirements as a percentage of maximum daily deliverability (33.113%) and are
4 allocated based on winter storage requirement (allocation factor #7). The capacity
5 portion is 66.887% and is allocated based on excess peak storage (day) requirement
6 (allocation factor #8).

7 **Q12. With respect to the classification process, please elaborate on how capacity costs are**
8 **allocated.**

9 A12. There are several generally accepted methods for allocating and determining capacity
10 costs. The methods that are most applicable to natural gas distribution utilities are: the
11 coincident peak demand method (based on demands of various customer classes at the
12 time of system peak); noncoincident peak demand method (based upon actual peak by
13 class, regardless of time of use); and average and excess peak demand method (based on
14 a two-part formula reflecting average system usage by class and each class' share of peak
15 usage in excess of the average level).

16 **Q13. Which method did the Company employ and why was that selection made?**

17 A13. The average and excess method was employed for allocating capacity and commodity
18 costs because this method provides the best recognition of the load factor characteristics
19 for each class. Certain cost items are directly attributable to the consumption of natural
20 gas by the Company's customers. The average portion of this calculation recognizes
21 these commodity costs. The excess portion, what is left after the average utilization
22 component is factored out, represents plant and associated costs that must be held to meet
23 the peak demands of the various customer classes. The excess portion of required

1 capacity represents the incremental demand a given customer class will place on the
2 Company's system.

3 **Q14. How were customers grouped for purposes of the allocation process?**

4 **A14.** Customers were grouped according to the tariff schedule under which they are billed.

5 Where rate schedules had customers with similar usage patterns, the tariff schedules were
6 combined as a single class. The groupings utilized for the cost of service study were: (1)
7 General Sales Service ("GSS")/Energy Choice Transportation Service ("ECTS"); (2)
8 Large Volume General Sales Service ("LVGSS")/Large Volume Energy Choice
9 Transportation Service ("LVECTS"); (3) General Transportation Service
10 ("GTS")/Transportation Service for Schools/("TSS"); (4) Daily Transportation Service
11 ("DTS")/Off-System; and (5) Storage (FSS/EFSS/In-Out). In the Company's experience
12 and observation, the groupings selected represent customers with similar usage patterns.

13 **Q15. Please describe allocation factors used in the cost of service study.**

14 **A15.** Schedule E-3.2, pages 1-3 of 16, lists 30 allocation factors. Factors 1-4 and 9 are
15 volumetric. Factors 5 and 6 describe peak day requirements (Factor 5 is total design peak
16 day, while Factor 6 is excess peak day requirements). Factors 8 and 9 relate to storage.
17 Factor 8 breaks out the total winter storage requirement, while factor 9 shows the
18 allocation of excess peak day storage requirements. Factors 10-14 relate to different
19 measures for the number of customers. Factors 15-24 and 26 show revenue items broken
20 down by customer class. Finally, Factor 25 and 27-30 are composite summaries of items
21 developed in the COS study.

1 **Q16. How were O&M costs allocated?**

2 A16. The following is a summary of how O&M costs are allocated:

3 • *Production/Gathering:* All costs are allocated on a commodity basis utilizing
4 gathering throughput.

5 • *Transmission:* Commodity costs are allocated on total throughput, while capacity
6 charges are allocated on excess peak demand.

7 • *Storage:* Capacity charges are allocated on excess peak storage requirements,
8 while commodity charges allocated on winter storage requirements. Under
9 proposed rates, there are certain Other Gas Supply expenditures (FERC 813) that
10 are allocated only to the Storage customer class.

11 • *Distribution:* Certain costs are directly assigned and others, such as those related
12 to services, meters and regulators, are allocated on a customer basis. The
13 remaining costs are assigned on a capacity/commodity basis where capacity
14 charges are allocated on excess peak demand and commodity charges are
15 allocated on a total throughput basis.

16 • *Sales and Customer Information:* These costs are allocated based on total revenue
17 per class.

18 • *General & Administrative:* Costs are allocated functionally and across customer
19 groupings based on the share of the functional cost.

20 **Q17. How are gross plant, depreciation reserve and depreciation expense items allocated?**

21 A17. Gross plant, depreciation reserve and depreciation expense follow a similar allocation
22 pattern by function as the allocation of O&M expenses, except that no plant-related items
23 are allocated based on revenues

24 **Q18. How are revenues allocated?**

25 A18. Revenues are assigned to each class exactly as they are recognized during the test period.

26 The only exception to the direct assignment is "other revenue," where certain revenue

27 streams are allocated according to relevant allocation factors. The other revenue

28 allocation is detailed in Work Paper WPE-3.2c which, along with the other workpapers

1 used in developing the study, is included with my direct testimony as Attachment CA-
2 6.1.

3 **Q19. Please summarize the workpapers contained in Attachment CA-6.1.**

4 A19. Workpapers WPE-3.2a through WPE-3.2h contain detailed back-up for certain items in
5 the cost of service study. Specifically, the work papers show details on the storage
6 allocators, peak day analysis (including average and excess determination), other revenue
7 allocation, gathering throughput allocation, system load factor, customer-related plant
8 and expense items, allocation of certain accounting adjustments, and number of
9 customers.

10 **IV. SUMMARY OF CONCLUSIONS**

11 **Q20. What conclusions are you able to draw from the cost of service study?**

12 A20. The cost of service study shows that the Company's revenue deficiency of approximately
13 \$74 million is attributable primarily to the GSS/ECTS customer class. Conversely, the
14 traditional transportation class is contributing more to revenues than the costs associated
15 with that class. Based on these findings, the Company has proposed a rate design that
16 spreads the revenue responsibility more equitably among classes.

17 **Q21. Does this conclude your testimony?**

18 A21. Yes

19 COI-1381353v2

Attachment CA-6.1

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
STORAGE COST ALLOCATION (WORKPAPER WPE-3.2a)

1. EC/SSO STORAGE

	1	2	3	4	5
	Peak Day Throughput	Peak Day Storage Factor	Max Storage Deliverability	Storage Capacity multiplier	Storage Capacity
A GSS	1,736,191	34.10%	592,041	51.9	30,726,935
B LVGSS	101,758	34.10%	34,699	51.9	1,800,803

2. FSS/EFSS/IN-OUT

	6 EFSS	7 In/Out	8 Total	
C Storage Capacity	12,487,000	4,270,874	16,757,874	From DMG
D Deliverability	240,597	101,725	342,322	EFSS: 6C/51.9, In/Out per contract
	6C / 51.9	Per Contract		

3. OPERATIONAL BALANCING

	9	
E Storage Capacity	4,714,288	54 Bcf less items 5A, 5B, and 8C above
F Deliverability	110,937	1.08 Bcf less items 3A, 3B, and 8D above

4. ALLOCATION OF OPERATIONAL BALANCING

Non-base Period Volumes (MMcf)	%	Share of OB: Capacity	Peak Day Requirements	%	Share of OB: Deliverability
GSS	123,713	73.9%	3,482,441	79.8%	88,545
LVGSS	7,580	4.5%	213,370	4.7%	6,190
GTS	36,181	21.6%	1,018,477	15.5%	17,203
TOTAL*	167,474	100.0%	4,714,288	100%	110,937

* Excludes DTS/Off-System

5. STORAGE ALLOCATION BY CLASS

				COS Allocator 7 Winter Storage Requirement		COS Allocator 8 Excess Peak Day Calculation		
A		B						
Class	Peak Deliverability	%	Capacity	%	Avg	Excess	Excess %	
GSS	680,686	63.0%	34,209,376	63.4%	226,552	454,034	62.9%	
LVGSS	39,889	3.7%	2,014,273	3.7%	13,340	26,550	3.7%	
GTS	17,203	1.6%	1,018,477	1.9%	6,745	10,458	1.4%	
DTS	-	0.0%	-	0.0%	-	-	0.0%	
FSS/EFSS	342,322	31.7%	16,757,874	31.0%	110,979	231,343	32.0%	
TOTAL	1,080,000	100.0%	54,000,000	100%	357,616	722,384	100.0%	

* Based on Non-base period volumes (October-April)

5B/151 5A - Avg

6. CAPACITY vs. COMMODITY BREAKDOWN

Average	357,616.894	33.113%	Commodity	Average daily storage = 54 Bcf/151 days
Excess	722,384.106	66.887%	Capacity	Total Peak Day storage less average daily storage
Peak	1,080,000	100.0%	Total	(1,080,000 Mcf - 357,616 Mcf = 722,384 Mcf)

**The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR**

Gathering Function Allocation (Work Paper WPE-3.2b)

Virtually all local production meters are dedicated to LPPS pools, with a small number dedicated to FRPS pools.

The post-SSO allocation^(*) of volumes nominated out of LPPS pools and the production dedicated to FRPS pools is as follows:

LPPS -> SSO	4,837,352	12.27% (a)	Source: 8/15/07 and 8/18/07 DAMG
LPPS -> ECPS	7,108,709	18.63% (b)	
LPPS -> FRPS	26,128,811	66.30%	
Production -> FRPS	1,336,444	3.39%	
FRPS Sub-Total	27,465,055	69.69% (c)	
Total	39,409,118	100.00%	

(*) The post-SSO period is considered representative of post rate case utilization.

During reallocation, FRPS volumes can be redirected to DPS and GPS pools. However, the character of gas is lost when nominated out of a pool.

As a result, potential LPPS use by customers served by DPS and GPS pools must be considered. DTS supply sources are as follows:

Top 80% of End Users 3/08-2/07 Volumes	29,433,638	74.16% of Total Usage	Source: 4/17/07 AMS
Intrastate Supply	10,258,145	25.84% of Total Usage	
Total Usage	39,691,783	100.00%	

Applying the Pool Supply percentages above to the total DTS customer usage over the same period of 49,580,792 Mcf yields an adjusted figure of 12,813,910

Per a 8/18/07 e-mail from A. Sanabria, non-intrastate GPS pool supplies over the same period were 3,453,954 Mcf

Adding FRPS pool customer usage to the DTS and GPS Pool Supply yields the potential market for LPPS volumes initially allocated to FRPS pools.

Source: 8/15/07 DAMG

GPS Pool Supply	3,453,954	6.03%
FRPS Pool Usage	40,897,027	71.54%
Non-DTS Sub-Total	44,350,981	77.57% (d)
DTS Pool Supply	12,813,910	22.41% (e)
Total	57,164,891	100.00%

Gathering function costs can thus be allocated to the following general classes:

SSO/ECPS					
SSO	12.27%	From (a) above	Throughput (from LJR)	LP Share	
ECPS	18.03%	From (b) above	GSS 143,309,010	94.1%	39,408,118
Sub-Total - SSO/ECPS	30.31%	Sum of above	LVGSS 8,994,840	5.9%	39,409,118
		(Allocate to GSS/ECPS and LVGSS/LVECTS classes on the basis of first year volumes)			
GTS/TSS					
FRPS	69.69%	From (c) above			
Non-DTS % of Market	77.59%	From (d) above			
GTS/TSS Share	64.07%	Product of above			
				GTS/TSS	21,308,109
DTS					
FRPS	69.69%	From (c) above			
DTS % of Market	22.41%	From (e) above			
DTS Share	15.62%	Product of above			
				DTS	6,155,946
Total	100.00%			TOTAL	39,409,118

CCS Allocator #9	
Gathering	
Throughput	11,238,876
	705,365

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
OTHER REVENUES (WORK PAPER WPE-3.2c)

Item	System Total	From Subordinate Classes				Allocation Factor	Deduction
		GVSS/VECTIS	LVGSS/LVECTS	GTSS/VECTIS	DTS/ON-System		
Revenue from Storing Gas of Others (FSS)	\$10,127,590						
Pooling Fees-Pool-Pool Trades	\$7,341,274						
Firm Receipt Pool Option/Commodity Exchanges	\$2,285,687						
Production & Gathering Related Revenues	\$16,815,971						
Other Gas Revenue - Miscellaneous	\$1,462,650						
Energy Choice Switching Fees	\$692,180						
Standby Service Charge	\$387,318						
Supply Management Fee	\$68,000						
Remaining Components	\$806,006						
Total	\$39,285,031						
	\$39,285,030.50						

Non-FSS Revenue Charges Due to GRT Rider Imposition							
Gross Receipts Tax Rider Rule	4.6044%						
Effective GRT Rate	4.4617%						
Non-FSS Revenue	\$20,157,468						
GRT Based on Non-FSS Revenue	\$1,293,432						
Non-FSS Revenue Net of GRT	\$27,574,033						
Check	(50)						
Revenue from Storing Gas of Others (FSS)	\$10,127,590						
GRT Based on Proposed FSS Revenue	\$460,314						
Total FSS Revenue Including GRT	\$10,587,904						
Other Revenue Net of GRT	\$38,001,599						
Total GRT Billed on Other Revenue	\$1,749,749						
Check	\$0						
Increases in FSS Revenue at Processed Rates							
Increases in Revenue per FSS Rate Design	\$429,154						
Increases in Associated GRT	\$18,789						
G-2 Total for Other Income							

Remaining Components							
Misc. Service Revenues	\$	304,317					
Sales of Products-Exercised	\$	151,000					
Incidental Gasoline & Oil Sales	\$	316,238					
Other Gas Fees - Royalties-Nonaffiliated	\$	33,951					
	\$	805,506					
Total from Above	\$39,285,031						
Return to Customers	\$11,021,795						
Non-Regulated Gas Sales	\$17,182,000						
Non-Regulated Gas Sales-7100-Dominion Retail	\$5,699,792						
Total Other	\$73,005,548						
Pooling Includes: Pooling Fee (including Troy, VPEM, and Retail) & Pool-Pool Mfrs.							

The East Ohio Gas Company d/b/a Dominion East Ohio

Case No. 07-0829-GA-AIR

ADJUSTMENTS TO O&M EXPENSE (WORK PAPER WPE-3.2d)

ITEM	\$ Amount	Function/Allocation Basis
Charitable Contributions	\$123,962	Admin/General
Rate Case Expense	\$609,872	Admin/General
Work Force Reduction	\$653,333	Admin/General
Lobbying Expense Adj.	\$45,850	Admin/General
Advertising Exp. Adj.	\$538,584	Admin/General
Dues/Member. Exp. Adj.	\$47,918	Admin/General
Public Relations Exp. Adj.	\$557,661	Admin/General
Annual Incentive Plan Adj.	\$1,102,593	Admin/General
Pension Credit Adj.	\$47,708,829	Admin/General
OPEB Adjustment	\$1,732,789	Admin/General
Annualized Wage, Sal, Ben	\$1,176,731	Admin/General
Unrecov. Weatherization	\$943,623	Customer Accounts
Interest on Cust. Deposits	\$721,791	Customer Accounts
GTI Program Funding	\$600,000	Distribution (non customer)
Over Recov. Transition	\$682,976	GTS/DTS only
TOTAL O&M Adjustments	\$49,787,053	

STATUS

DONE
DONE
DONE
DONE

Admin/General	48,204,614	Allocation Basis
Weatherization, Deposits	1,865,414	Admin/General (Dist.)
GTI Program Funding	800,000	Customer Accounts (Dist)
Over Recover Transition	(682,975)	Dist non-customer O&M
		GTS/DTS by Mcf in Dist

TOTAL

\$49,787,053

	Throughput	
	GTS	DTS
	51,952,159	50,368,814

	Transition Cost	
	GTS	DTS
	(\$348,772)	(\$336,203)

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
CUSTOMER RELATED ITEMS (WORKPAPER WPE-3.2e)

CUSTOMER RELATED DISTRIBUTION (PLANT)

<u>Services</u>	Source: B-2.1 Distribution
Services All Pressures: (380.01)	13,734,541
Services, Low Pressure: (380.02)	134,428,088
Services, Regulated Pressure: (380.03)	153,014,652

Meters & Regulators

Meters-Meters (381.01)	69,226,758
Meters - Recording Gauges (381.02)	3,037,403
Meters - Hexagram (381.03)	12,142,200
Meter Installations - Residential (382.01)	20,602,074
Meter Installations - Commercial (382.02)	10,247,655
House regulators-Small (383.01)	8,358,907
House regulators-Large (383.02)	5,097,807
House Regulator Installation (384)	1,633,133
Total Meters and Regulators	129,746,737

Industrial, Customer Related

M&R Stations-Industrial (375.02)	152,328
Special Services (380.04)	479,145
Industrial M&R-Meters/Gauges (385.01)	1,317,476
Industrial M&R-Other (385.03)	5,267,225
Total Industrial, Customer Related	7,208,173

CUSTOMER RELATED DISTRIBUTION (RESERVE)

<u>Services</u>	Source: B-3 Distribution
Services All Pressures: (380.01)	10,884,630
Services, Low Pressure: (380.02)	62,370,541
Services, Regulated Pressure: (380.03)	60,198,835

Meters & Regulators:

Meters - Meters: (381.01)	11,904,681
Meters - Recording Gauges (381.02)	(1,703,929)
Meters - Hexagram (381.03)	7,212,718
Meter Installations - Residential (382.01)	1,856,302
Meter Installations - Commercial (382.02)	1,112,408
House regulators-Small (383.01)	2,610,258
House regulators-Large (383.02)	1,955,334
House Regulator Installation (384)	343,644
Total Meters and Regulators	25,301,415

Industrial Customer Related

M&R Stations-Industrial (375.02)	65,000
Special Services (380.04)	405,078
Industrial M&R-Meters/Gauges 385.01	485,630
Industrial M&R-Other 385.03	2,586,477
Total Industrial Customer Related	3,522,186

CUSTOMER RELATED DEPRECIATION EXP. Source: B.3.2 Proposed Distr

<u>Services</u>	
Services All Pressures: (380.01)	\$548,362
Services, Low Pressure: (380.02)	\$7,888,344
Services, Regulated Pressure: (380.03)	\$6,120,586

Meters & Regulators

Meters-Meters (381.01)	\$1,868,122
Meters - Recording Gauges (381.02)	\$110,865
Meters - Hexagram (381.03)	\$808,886
Meter Installations - Residential (382.01)	\$457,366
Meter Installations - Commercial (382.02)	\$227,498
House regulators-Small (383.01)	\$310,989
House regulators-Large (383.02)	\$189,631
House Regulator Installation (384)	\$25,312
Total Meters & Regulators	\$4,000,868

Customer Related, Industrial

M&R Stations (Industrial) (375.02)	\$3,382
Special Services (380.04)	\$25,874
Industrial M & R Meters & Gauges (385.01)	\$31,356
Industrial M & R Other (385.03)	\$125,122
Total Industrial	\$185,733

CUSTOMER RELATED DISTRIBUTION O&M EXPENSE

<u>Distribution-General Customer Related</u>	Source: C.2.1.3a
Meter and House Regulator Expe. (878)	\$11,957,657
Customer Installations Expenses (879)	\$1,106,850
Maintenance, Services (892)	\$2,794,650
Maintenance, Meters/House Regs. (893)	\$861,804
TOTAL	\$16,720,961

Distribution-Industrial Customer Related

M&R Expenses, Industrial (876)	\$195,524
M&R Maintenance, Industrial (890)	\$156,204
TOTAL	\$351,728

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
System Load Factor-Capacity/Commodity (WORKPAPER WPE-3.2f)

Dominion East Ohio
System Load Factor

	Total
Apr-06	17,001,180
May-06	13,858,943
Jun-06	12,541,635
Jul-06	10,012,805
Aug-06	10,552,390
Sep-06	10,917,600
Oct-06	20,026,021
Nov-06	24,453,664
Dec-06	29,704,739
Jan-07	37,779,116
Feb-07	45,110,390
Mar-07	28,732,560
Total	260,691,043
Daily	714,222
Peak	2,152,261
Load Factor	0.33185
Commodity:	33.185% (= average system load factor)
Excess Capacity:	66.815% (100% minus avg. system L.F.)
Total:	100.000%

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AIR
Peak Day (Average/Excess Peak Day) Calculation (WORKPAPER WPE-3.2g)

Dominion East Ohio
Test Year - Peak Day
Forecast in MMcf's

<u>Schedule</u>	<u>Throughput</u>	<u>Avg. Daily</u>
GSS/ECTS	143,308.810	392.627
LVGSS/LVECTS	8,994.640	24.643
GTS/TSS	51,952.159	142.335
DTS/Off-System	50,368.814	137.997
Total	254,624.423	697.601

<u>Peak Day Forecast</u>			<u>Requirements</u>		
Design Day (HDD = 78)			COS Allocator #5		COS Allocator #6
<u>Schedule</u>	<u>Res.</u>	<u>Non-Res</u>	<u>Total Peak Day</u>	<u>Avg.</u>	<u>Excess Peak Day</u>
GSS/ECTS	1,350.279	385.911	1,736.191	392.627	1,343.564
LVGSS/LVECTS	18.175	83.583	101.758	24.643	77.115
GTS/TSS	3.799	333.508	337.307	142.335	194.972
DTS/Off-System	-	231.768	231.768	137.997	93.771
Total	1,372.254	1,034.770	2,407.024	697.601	1,709.422

The East Ohio Gas Company d/b/a Dominion East Ohio
Case No. 07-0829-GA-AJR
Customer Counts (WORKPAPER WPE-3.2h)

CUSTOMER COUNT ANALYSIS

Line #	Customer Category	GSS/ECTS	LVGSS/LVECTS	GTS/TSS	DTS/Off-System	TOTAL	Source	COS Allocator
1	Total Customers	1,207,801	2,248	2,910	78	1,213,037	LJR	10
2	Low Pressure	838,450	1,682	817	-	840,949	CCS Billing System	13
3	Regulated Pressure	368,361	586	2,093	78	372,088	Line 1 - Line 2	14
4	Industrial Customer	633	148	757	65	1,603	LJR	11
5	Transportation Customers	791,547	1,769	2,910	78	796,304	LJR	12

BEFORE
THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Authority to	)	Case No. 07-829-GA-AIR
Increase Rates for its Gas Distribution)	
Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval of	)	Case No. 07-830-GA-ALT
an Alternative Rate Plan for its Gas)	
Distribution Service)	
)	
In the Matter of the Application of)	
The East Ohio Gas Company d/b/a)	
Dominion East Ohio for Approval to	)	Case No. 07-831-GA-AAM
Change Accounting Methods)	

**DIRECT TESTIMONY OF
RONALD EDELSTEIN
ON BEHALF OF
DOMINION EAST OHIO**

___ Management policies, practice and organization

 X Operating income

___ Rate base

___ Allocations

___ Rate of return

___ Rates and tariffs

___ Other

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ATTACHMENT RE-7.1

1 **Direct Testimony of**

2 **Ronald Edelstein**

3 **I. WITNESS IDENTIFICATION AND BACKGROUND**

4 **Q1. Please state your name, occupation and business address.**

5 A1. My name is Ronald Edelstein. I am employed by the Gas Technology Institute ("GTI")
6 as Director, State Regulatory Programs. My business address is 1700 South Mount
7 Prospect Road, Chicago, Illinois 60618.

8 **Q2. Please summarize your educational background and professional experience.**

9 A2. I graduated from the University of Florida with a BS in Aerospace Engineering (1969),
10 Rensselaer Polytechnic Institute ("RPI") with an MS in Engineering Science: Solid
11 Mechanics (1972), and another MS from RPI in Engineering Science: Environmental
12 Science & Technology (1977). I began my employment with Pratt & Whitney, working
13 as a structural engineer on gas turbines for 8 years. I then joined Planning Research
14 Company as an engineering consultant to the U.S. Department of Energy for three years.
15 My next employment was with the Solar Energy Research Institute, where I worked as a
16 research and development ("R&D") planner for three years. I joined the Gas Research
17 Institute ("GRI") (now Gas Technology Institute or "GTI") in 1983 as an R&D planner. I
18 have also held positions as Director of Planning and Director of Sales. My current
19 position is Director of State Regulatory Programs. I have been on the Technical
20 Advisory Board of the California Institute for Energy Efficiency, the California Research,
21 Development, and Demonstration Working Group to define public interest R&D, and am
22 currently serving on the Tennessee Home Energy Conservation Task Force focusing on
23 making natural gas more affordable for low-income consumers.

1 **Q3. Have you previously filed testimony before any regulatory commission?**

2 A3. Yes. I have filed testimony before regulatory commissions in the states of Georgia,
3 Kansas, Massachusetts, Michigan, Missouri, Oklahoma, Tennessee, and Virginia.

4 **II. PURPOSE OF TESTIMONY**

5 **Q4. What is the purpose of your testimony?**

6 A4. The purpose of my testimony is to summarize the history of GTI and its predecessor GRI,
7 to describe the benefits that natural gas consumers receive from GTI-funded R&D, and to
8 explain why I believe it is reasonable for the Public Utilities Commission of Ohio
9 ("Commission") to allow The East Ohio Gas Company d/b/a Dominion East Ohio
10 ("DEO" or "Company") to make a \$600,000 adjustment to test year operations and
11 maintenance ("O&M") expense to fund GTI-sponsored R&D that will directly benefit
12 DEO's customers. These benefits include increased safety, enhanced deliverability,
13 contained costs for distribution O&M, enhanced environmental quality, greater system
14 integrity, and lower energy use and energy bills through high efficiency appliances and
15 equipment

16 **III. HISTORY AND MISSION OF GTI**

17 **Q5. What is GTI?**

18 A5. GTI is a not-for-profit corporation and a leading research, development and training
19 organization serving energy markets. GTI's customers include energy industry
20 companies, equipment manufacturers, government agencies and other organizations.
21 Natural gas local distribution companies ("LDCs") and pipeline companies, in agreement
22 with the Federal Energy Regulatory Commission ("FERC"), formed GRI (the
23 predecessor of GTI) in 1977 in the midst of natural gas curtailments and a predicted gas

1 supply shortage. GRI's mission was to plan, manage, and develop financing for a
2 cooperative R&D program addressing improvements in production, transport, storage,
3 and end use of gaseous fuels for the mutual benefit of the natural gas industry and its
4 present and future customers.

5 **Q6. How is GTI funded?**

6 A6. From the time GTI was established in 1977 until recently, GTI was funded through a
7 FERC-authorized surcharge on gas transported over the interstate pipelines. DEO
8 customers have historically supported GTI R&D through upstream suppliers' prices
9 which were in turn charged under DEO's retail cost of gas. The FERC discontinued that
10 charge in mid-2004 and has transferred the funding authority to states. Thus, GTI no
11 longer collects FERC-approved funds, but relies instead on state-based approval of R&D
12 surcharges.

13 **IV. GTI RESEARCH AND DEVELOPMENT**

14
15 **Q7. In what areas does GTI focus its R&D efforts ?**

16 A7. GTI's focus has been on increased-efficiency, lower-emissions equipment for traditional
17 end uses such as residential/commercial space heating and water heating equipment and
18 industrial process heating, steam production, drying, and combined heat and power
19 applications

20 **Q8. What results has GTI had with its research into residential space heating?**

21 A8. Prior to GTI, typical home furnace efficiency was in the range of 60% to 70%. With the
22 introduction of the 96%+ efficiency fully condensing pulse combustion furnace in the
23 1980's, GTI encouraged manufacturers to develop options for the fully condensing

1 furnace. Today, condensing furnaces with over 90% efficiency account for about 25% of
2 residential furnace sales; the pulse combustion furnace and its derivatives are still the
3 most efficient furnaces on the market.

4 **Q9. How has GTI's research in the area of fully condensing furnaces benefited**
5 **residential consumers in Ohio?**

6 A9. In Ohio, between 1995 and 2000, over 388,000 fully condensing furnaces were sold to
7 residential consumers. These have benefited Ohio consumers who purchased the devices
8 by net present value of savings of \$743 per furnace, even taking into account the higher
9 capital cost of the more-efficient furnaces, compared to a 78% efficient gas furnace. This
10 has saved Ohio residential consumer over \$288 million dollars, net present value.
11 Additionally, in 2002 alone over 4 Bcf of reduction in gas load was achieved, resulting in
12 savings to all Ohio consumers because of reduction in gas demand.

13 **Q10. How do these savings compare to the cost of the GTI R&D program during the**
14 **period when GTI R&D was funded with a FERC surcharge?**

15 A10. Over the same time period, 1995 – 2000, the entire GTI FERC R&D program cost all
16 Ohio residential gas customers \$17.10 per customer for the six years indicated, or about
17 \$43 million. The benefit-to-cost ratio of just one GTI-developed technology, then,
18 compared to the entire cost of the R&D program, was 6.7 to 1. As shown in Attachment
19 RE-7.1 of my testimony, nationally, the most recent benefit-to-cost ratio for technologies
20 that GTI developed and brought to the marketplace over the last five years of the FERC
21 program is 8 to 1.

Q11. Have GTI's R&D efforts also benefited commercial customers?

A11. Yes. GTI funding has produced a new generation of natural gas engine-driven, absorption, and desiccant-based cooling systems. First-generation single-effect absorption cooling systems had coefficients of performance ("COPs") of 0.6. A higher COP indicates higher efficiency. The COP for new systems developed in part through GTI funding range from 0.8 to 1.2, producing gas savings as well as lowering peak electric loads. In addition, GTI's funding has led to the development of heat pumps with efficiencies ranging from 100-120% (exceeding even the 96% efficiency of the fully condensing furnaces).

Q12. Has GTI's R&D resulted in products that are used in industrial applications?

A12. Yes. GTI-funded advancements in industrial combustion equipment helped increase efficiency and lower emissions from process heating and boiler steam production facilities. For instance, in 2001, GTI demonstrated oscillating combustion on a forging furnace with a 49% decrease in nitrogen oxide ("NOx") emissions and a 3% decrease in fuel usage, while keeping the average carbon emissions below 100 ppm; this technology has applications to a wide range of high-temperature industrial furnaces.

Q13. How have GTI's efforts contributed to safety?

A13. Typically, as new equipment is developed, systemic gaps can cause problems in the areas of safety and reliability. For example, gas furnace corrosion is dependent on vent system design and installation but, typically, the meter and upstream service is handled by the LDC, the furnace by the manufacturer, and the vent system by the installers. As manufacturers began to offer partially condensing furnace designs with 80% to 90% efficiencies, the heat exchanger and vent system began to experience corrosion problems

1 which did not exist in the lower-efficiency furnaces sold before 1981. GRI designed
2 improved heat exchangers and developed vent installation guidelines that minimized the
3 amount of condensation. GRI also developed furnace installation instructions that are
4 included in every mid-efficiency residential furnace sold in the United States and its vent
5 design procedures have been incorporated into the National Fuel Gas Code.

6 **Q14. Are there other examples of safety-related R&D?**

7 A14. Yes. Other safety-related research resulted in the elimination of "false positives" from
8 carbon monoxide monitors and developed scientific data for acceptable NOx levels for
9 indoor air quality. In 1998, GTI introduced a test methodology to evaluate new water
10 heater designs that could reduce or prevent flammable vapor incidents when flammable
11 liquids are improperly stored adjacent to the heater.

12 **Q15. Has GTI engaged in R&D related to gas transmission and distribution systems?**

13 A15. Yes. GTI research has focused on the fundamentals of polyethylene ("PE") pipe,
14 especially fracture mechanics, failure analysis, and joining integrity in an effort to lower
15 the technical risks and increase the confidence in PE pipe. When GTI was created,
16 plastic pipe comprised about 20% of all new distribution mains; today, non-corroding PE,
17 with a cost of about half that of coated steel pipe, comprises over 90% of all new main
18 installations. In addition, most gas mains and services installed in the 1970s used
19 trenching tools, which tore up the surface and subsurface, increasing restoration costs and
20 risked penetrating near-surface utility lines. Six years of GTI research yielded the first
21 set of guided horizontal boring tools, which are now in general use throughout the gas
22 industry, providing substantial O&M cost savings.

1 **Q16. Has GTI R&D improved operational safety?**

2 A16. Yes. For instance, GTI developed the optical methane detector ("OMD"). This device
3 works by directing a laser beam from a vehicle to quickly and reliably scan streets for
4 methane leakage. Many LDCs conduct required leak inspections by a walking survey;
5 the OMD will allow LDCs to convert to driving surveys with a significant reduction in
6 response time and reduction in labor cost. Although the technology continues to develop,
7 DEO has informed me that it already utilizes OMD to perform leak detection in portions
8 of its service territory. GTI's gas transmission R&D introduced low-NO_x controls for
9 reciprocating engines and gas turbines used at large compressor stations.

10 **Q17. In what areas is GTI currently focusing on R&D?**

11 A17. GTI's current R&D efforts include the following areas of research intended to provide
12 cost benefits, improve the environment, and promote system safety and integrity:

- 13 • Advanced laser-based drilling and fracturing technologies are in the basic
14 research stage and require a substantial amount of funding to carry them forward.
- 15 • Totally new sources of natural gas supply may be required to ensure domestic gas
16 supply security. A vast supply resource may be in natural gas hydrates but DOE's
17 basic research has not yet lowered the technical unknowns and risks to permit
18 even exploratory production.
- 19 • Pipeline and distribution integrity requirements will enhance the safety of the
20 natural gas system, but R&D is needed on both pigging technology, that is,
21 nondestructive evaluation ("NDE") techniques, and on direct assessment
22 approaches (as an alternative to pigging or hydrostatic testing). Substantial
23 research is needed to enhance the confidence in current NDE techniques used to
24 inspect natural gas pipelines. A substantial portion of the national pipeline system
25 is not "piggable"; that is, valves, bends, turns, reduced-diameter pipe sections, or
26 other obstructions prohibit internal inspection by moving a mechanical device, or
27 "pig", through the pipe. Further, current NDE tools and technologies can detect
28 pipe wall thinning and circumferential flaws but other types of flaws, such as
29 stress corrosion cracking and axial flaws, are very difficult to detect. Only
30 additional R&D can ameliorate these and other issues such as pipeline coatings
31 lifetime determination and microbiologically influenced corrosion.