

BEFORE THE
WASHINGTON UTILITIES & TRANSPORTATION COMMISSION

UG-__
GENERAL RATE APPLICATION
OF
NORTHWEST NATURAL GAS COMPANY

MARCH 28, 2008

Direct Testimony of Kevin S. McVay and Natasha C. Siores:

**Revenue Requirements
Test Period and Adjustments**

REVENUE REQUIREMENTS

TEST PERIOD AND ADJUSTMENTS TESTIMONY

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I. Introduction & Summary

Q. Please state your name, address, and position with Northwest Natural Gas Company.

A. My name is Kevin S. McVay. My business address is 220 N.W. Second Avenue, Portland, Oregon 97209. I am a financial consultant to the Rates and Regulatory Affairs Department and Finance Department of Northwest Natural Gas Company (NW Natural or company). My qualifications appear at the end of this testimony.

A. My name is Natasha C. Siores. My business address is 220 N.W. Second Avenue, Portland, Oregon 97209. I am a rate analyst in the Rates and Regulatory Affairs Department of Northwest Natural Gas Company (NW Natural or company). My qualifications also appear at the end of this testimony.

Q. What is the purpose of your testimony?

A. We present the analysis of test period results, describe the Company's proposed test period adjustments, and present the calculation of the revenue requirement increase requested by the company in this proceeding.

Q. Please summarize the results of the analysis of test period results and adjustments to those results.

A. As shown in our accompanying Exhibit No.____ (KSM/NCS-2), the test period results in column (a) indicate an overall rate of return on rate base

1 (ROR) of 7.13 percent at line 16, and a corresponding rate of return on
2 equity (ROE) of 7.61 percent on line 17. After adjusting the test period
3 results for normal weather, the addition of new facilities, and other
4 normalizing amounts in column (b), the overall is 6.51 percent. Finally, to
5 achieve the ROE of 10.65% as recommended by Dr. Hadaway and the
6 ROR of 8.68 percent presented in Mr. Miller's testimony (and shown in
7 column (e) the analysis shows that an increase in revenue of \$4,342,062
8 is required, as shown in column (d).

9 **II. Test Period**

10 **Q. What is the purpose of this section of your testimony?**

11 A. The purpose of this section of testimony is to establish the Company's
12 financial results for its Washington operations for the test period. The test
13 period that is being evaluated by the Company to determine the need for a
14 rate increase is the 12 months ended September 30, 2007. The
15 determination of actual results for the test period is primarily accomplished
16 by a state allocation of discrete revenue and expense items, as well as the
17 construction of a 13-month average rate base for the period. We will refer
18 to *Exhibit No. ____ (KSM/NCS-3)*, which we have prepared for the
19 explanation of the test period results.

20 **Q. Please describe *Exhibit No. ____ (KSM/NCS-3)*.**

21 A. Page 1 of the exhibit presents the results of operations for the entire utility
22 for the test period in column (a), and the results of operations for

1 Washington in column (b). The only other jurisdiction in which the
2 Company has utility operations is Oregon.

3 The revenues on lines 1 through 4 and the gas cost on line 5 reflect
4 12 month ended results through September 2007. The revenues for
5 Washington are almost completely direct; that is, they are the actual
6 revenues generated from Washington during the 12 months. The
7 exceptions are the allocation of utility property rental income and income
8 for services rendered to producing entities at Mist under Miscellaneous
9 Revenues, which are allocated using the 3-factor rate. The gas costs for
10 Washington are calculated to correspond precisely to the gas costs
11 collected in billing rates over the period, which parallels the deferral
12 treatment accorded gas costs in Washington.

13 Line 6 identifies uncollectible expense and line 7 represents other
14 Operations & Maintenance (O&M) Expense. Because there are
15 substantial common costs within O&M Expense, it is necessary for a large
16 number of system amounts to be allocated to Washington. Pages 2
17 through 3 of *Exhibit No. ____ (KSM/NCS-3)* show the allocation of O&M
18 Expense to Washington and Oregon. Additionally, the derivation of
19 allocation factors used are shown on pages 4 and 5. *Id.*

20 **Q. Please describe the allocation methodology.**

21 A. The Company's method to allocate common costs begins with an initial
22 identification of non-common costs, with a direct assignment of those

1 costs to the appropriate jurisdiction. The remaining costs are then
2 considered with respect to specific “drivers,” or elements such as volumes
3 or customers that have a causative effect on costs. If a cost is related to a
4 particular driver, it is allocated on that basis. Lastly, if there is a common
5 cost with a mix of drivers or no apparent single driver, it is allocated on the
6 basis of a multi-part allocation factor, the 3-factor rate. This 3-factor rate
7 is composed of the average of 1) the proportion of one jurisdiction’s
8 directly assigned gross plant to the system total, 2) the proportion of one
9 jurisdiction’s number of customers to the system total, and 3) the
10 proportion of employees directly assigned to the system total.

11 There are 21 primary allocation factors used in assigning O&M
12 Expense, and they are shown at the bottom of page 5 of Exhibit No.
13 (KSM/NCS-3). Even though the number is somewhat high when
14 considering the desired simplicity of a method, a review of the nature of
15 the factors shows that most are just refinements of the drivers typically
16 relied on, namely volumes and customers.

17 System and jurisdictional O&M as shown on pages 2 and 3 of
18 Exhibit No. ____ (KSM/NCS-3) indicates the total amounts of O&M
19 Expense allocated to each state, and the overall percentage of O&M
20 Expense allocated to Washington of about 10 percent. These total O&M
21 Expense amounts include uncollectible expense, so when returning to the

1 results of operations on page 1, lines 6 and 7 represent a breakout of the
2 total O&M Expense.

3 **Q. Please continue your explanation of page 1 of Exhibit No.____**
4 **(KSM/NCS-3).**

5 A. Lines 9 and 10 of page 1 represent the federal income taxes and Oregon
6 excise taxes reported for the test period for the system basis, and the
7 federal taxes for Washington. To calculate the Washington historic tax
8 provision, interest was taken as the cost of long- and short-term debt
9 multiplied by the proportion of rate base supported by those debt
10 components. Calculated in this way, taxes for Washington operations
11 need not be recalculated as an adjustment to account for the exclusion of
12 typically included interest income as well as the revision of the interest
13 expense level to reflect capital structure and rate base.

14 Line 11 details the System and Washington expenses for property
15 taxes during the test period. The Washington amount reflects the direct
16 assignment of property taxes incurred.

17 Other Taxes on line 12 include franchise taxes, which are assigned
18 directly to each jurisdiction. Payroll Taxes are allocated using a payroll
19 factor generated in the O&M Expense allocation model that reflects the
20 weighted average of all other cost allocations as they were used for
21 accounts containing payroll expense. Miscellaneous other taxes are
22 almost all directly assigned.

1 Because of their interdependence, Depreciation and Amortization
2 on line 13 can be explained in conjunction with the determination of
3 System and Washington Total Rate Base on line 16, which are detailed on
4 pages 6 and 7 of Exhibit No.____ (KSM/NCS-3). The following explanation
5 of the allocation of gross plant in rate base applies as well to the allocation
6 of depreciation and amortization expense and accumulated depreciation in
7 rate base. As with O&M Expense, the use of direct assignment is the
8 default approach, and is available for the allocation of production, non-
9 storage transmission, and distribution plant. Intangible plant concerning
10 computer software, which is primarily Customer Information System
11 software, is allocated using all customers due to its service to customers
12 generally. Storage and storage transmission plant is allocated on the
13 basis of firm volumes, insofar as it is considered a substitute to pipeline
14 capacity. CNG and LNG facilities are allocated using the 3-factor
15 approach, due to their contribution to various Company activities. General
16 plant is allocated on both the direct as well as by using a 3-factor
17 approach.

18 The other elements of rate base are 1) cushion gas in storage
19 which, following the storage plant, is allocated on firm volumes; 2)
20 customer advances, which are directly assigned; 3) unamortized
21 leasehold improvements, which have been allocated on a 3-factor
22 approach for improvements in One Pacific Square and the district office in

1 The Dalles and directly assigned for other districts; and 4) deferred taxes,
2 which are directly assigned in the case of state deferred taxes and
3 allocated on the basis of percentage of total gross plant for federal
4 deferred taxes, after grossing up for the effect of state deferred taxes on
5 the federal amount. End of period amounts are included in both the
6 System and Washington rate base, consistent with the treatment for
7 deferred taxes in the Company's latest rate case.

8 **Q. Please explain lines 17 and 18 on page 1 of Exhibit No. ____**
9 **(KSM/NCS-3).**

10 A. For System results in column (a) and Washington specific results in
11 column (b), line 17 represents the overall ROR using the Net Operating
12 Revenue on line 15 divided by the Total Rate Base on line 16. Line 18 is
13 the resulting ROE when the debt cost components of the capital structure
14 are removed from the overall return.

15 **III. Test Period Adjustments**

16 **Q. What is the purpose of this section of your testimony?**

17 A. In this section, we describe the adjustments the Company has made to
18 the test period to annualize changes that occurred during the period and
19 to include pro forma changes that are known and measurable after the
20 end of the period. As described above, the Company is using the 12
21 months ended September 30, 2007 as the test period in this proceeding.
22 The rate increase that is required for the Company to earn its proposed

1 10.65 percent ROE is \$4,342,062. We will refer to *Exhibit No.*____
2 (*KSM/NCS-4*), which we have prepared for the explanation of the
3 adjustments.

4 **Q. Please describe *Exhibit No.*____ (*KSM/NCS-4*).**

5 A. As described in the initial section of this testimony, page 1 of the exhibit
6 presents the Company's results of operations for the test period (column
7 (a)), the results for the test period normalized and adjusted at present
8 rates (column (c)), and the results for the test period at the proposed rates
9 (column (e)). Column (b) of the exhibit represents the sum of all
10 adjustments made to normalize the test period and column (d) represents
11 the proposed increase to revenues to achieve the Company's requested
12 ROR. Column (b) is explained in detail on pages 2 and 3 of the exhibit.
13 Those pages provide an issue-by-issue accounting of the adjustments,
14 and each column or adjustment is supported by one or more workpapers
15 that are included in the exhibit and labeled by the corresponding column
16 heading letters. Because most of the adjustments are related to issues
17 that affect the Company at a System level, those adjustments are
18 performed at a System level first, and the amount of the adjustment is
19 then allocated to Washington with the same factors used to allocate the
20 historic test period results.

21 **Q. Please describe the adjustments shown on page 2 of *Exhibit No.*____**
22 **(*KSM/NCS-4*).**

1 A. Column (a) on page 2 adjusts the company's revenues and gas costs for
2 the following items: 1) residential and commercial usage is normalized to
3 reflect normal weather and the pricing currently in effect (Docket UG-
4 071780, effective November 1, 2007); 2) usage for industrial customers is
5 annualized; 3) delivered volumes are re-priced to reflect permanent rates
6 currently effective in Washington; and 4) the cost of gas expense is
7 adjusted to reflect the gas costs currently embedded in rates.

8 **Q. Please explain the methodology used to normalize residential and**
9 **commercial gas use.**

10 A. Residential usage and commercial usage were normalized with respect to
11 the effects of weather (as measured by heating degree days) and prices
12 on gas consumption.

13 **Q. Please define heating degree days.**

14 A. The degree day is a unit of measurement based on the difference
15 between the average temperature for a day and 65 degrees. For
16 example, if the average temperature is 50 degrees on a given day, the
17 degree days for that day would be 15. Degree days are additive in that
18 the sum of the daily degree days over the course of the month are taken
19 to represent that month's weather. The degree day is a common unit of
20 measurement that allows for an analysis of increasing usage as a function
21 of increasingly colder weather.

22 **Q. Please explain how usage is normalized.**

1 A. For the pricing component, we perform a regression that identifies the
2 response of annual usage to both weather and prices. The statistical
3 coefficient for price that results from the regression is a measure of
4 elasticity, or customers' response to price changes over time.

5 For the weather component, actual monthly consumption for residential
6 and commercial customers is first adjusted for the price variable above,
7 then is statistically compared to actual monthly heating degree days over
8 several years to determine use per heating degree day factors, as well as
9 usage factors for deriving base use, or that level of use that would occur
10 regardless of heating degree days. The factors for price and weather are
11 then applied to customer counts, normal heating degree days, the number
12 of days in each month, and expected rate case prices to generate what
13 the usage would be if normal weather actually occurred. The Company
14 uses a 20 year average of Vancouver (NOAA Station 458773 Vancouver
15 4NNE) degree days to derive normal degree days. Page 6 of Exhibit
16 No.____ (KSM/NCS-4) supports the adjustment in column (a) on page 2 of
17 Exhibit No. ____ (KSM/NCS-4), and shows the calculations of normalized
18 use for the test period.

19 **Q. Please describe how the usage per customer resulting from the**
20 **normalization process you describe compares to the normalized**
21 **usage per customer in the Company's prior Washington general rate**
22 **case (Docket UG-031885).**

1 A. The normalized use per customer in this proceeding is 715 therms for the
2 residential customer class, and 4,024 therms for the commercial customer
3 class. In the Company's prior Washington general rate case (Docket UG-
4 031885), these numbers were 758 for residential customers and 4.435 for
5 commercial customers (base on 20-year normalized weather). This
6 equates to a decline in gas use for residential customers of 43 therms, or
7 5.7 percent per year, and a decline in gas use for commercial customers
8 of 411 therms, or 9.3 percent per year. At margin rates (class average
9 rates less cost of gas and demand charges), and average customer
10 counts for the test period, this annual decline in gas use translates into a
11 decrease in margin of \$1.3 million for the residential customer class and a
12 \$900 thousand decrease for the commercial customer class, or a total
13 margin decrease of \$2.2 million.

14 **Q. Please explain how volume normalization for industrial customers**
15 **was addressed in the adjustment in column (a) on Page 2 of Exhibit**
16 **No. ____ (KSM/NCS-4).**

17 A. An annualization for industrial customers was required for only two
18 customers, where the name of the businesses changed during the test
19 period. To normalize load for the customers, the volumes under the
20 original customer name were placed under the new customer name, and
21 all volumes by month were applied to the rate schedules that were being

1 used by each customer at the end of the test period. The volumes for the
2 industrial customers as a group were unchanged by the adjustment.

3 **Q. Please explain why the normalized volumes are then re-priced at**
4 **rates currently effective in Washington?**

5 A. A re-pricing of the volumes is done to eliminate the effects of temporary
6 increments in rates and to present revenues and costs at rates which are
7 currently in effect. Because rates have changed during the course of the
8 test period, re-pricing is necessary to accurately reflect current rate levels
9 and gas costs.

10 **Q. How is this re-pricing achieved?**

11 A. The re-pricing is accomplished by multiplying normalized volumes by the
12 currently effective Washington rates for base, commodity and pipeline
13 capacity tariff rates. This is performed for all volumes and rates by each
14 individual rate schedule. Normalized volumes were derived on a class
15 basis. Since each class of service spans several rate schedules, it is first
16 necessary to allocate these class volumes to the appropriate rate
17 schedule. Normal class volumes are allocated to their respective rate
18 schedules based on the distribution of the test period actual volumes.

19 Distribution capacity charges and sales service storage charges for
20 large volume non-residential sales and transportation customers are
21 calculated by multiplying each customer's current Maximum Daily Delivery

1 Volume (MDDV) by the currently effective rates for each month of the test
2 period.

3 Customer charges (the fixed portion of a customer's bill) are
4 calculated by multiplying the actual number of customers by the applicable
5 tariff customer charge. This is performed for all customers and monthly
6 charges by each individual rate schedule. This calculation is performed
7 for each month of the test year and the annual total is added to the result
8 of the repriced normalized volumes to derive the total normalized revenue
9 reflecting current rates.

10 **Q. How are Special Contract revenues incorporated into the test year?**

11 A. NW Natural has customers in Washington that are served under special
12 contracts. These are agreements with specific customers that have
13 particular competitive options which need to be addressed. Some
14 customers, for example, are well-positioned to bypass NW Natural's
15 system and connect directly to the interstate pipeline. Where this is the
16 case, the Company will offer a bypass avoidance contract which will at
17 least match the economics the customer can achieve via bypass. Since
18 each contract is unique, each is included in the test year at its own unique
19 rate.

20 **Q. Please explain how the cost of gas was calculated for the test period.**

21 A. The total cost of gas is set forth in on page 6 of Exhibit No. ____
22 (*KSM/NCS-4*). Cost of gas for NW Natural can be segmented into

1 demand costs and commodity costs. Demand costs reflect relatively fixed
2 monthly charges that are incurred for pipeline transportation service from
3 domestic and Canadian pipelines. Commodity costs reflect expenses for
4 gas obtained from domestic and Canadian producers. Each year the
5 Company submits for approval its Purchased Gas Cost Adjustment filing
6 which revises billing rates to include pricing for demand and commodity
7 costs for the upcoming year. The ability to adjust prices on an annual
8 basis for prevailing pricing of gas costs allows for the exclusion of the gas
9 cost pricing issue from general rate cases.

10 Gas costs were developed using the current gas cost increments
11 from which the current tariff rates for commodity and pipeline capacity
12 were derived. This provides an appropriate level of gas costs in relation to
13 the test year normalized revenues.

14 Repricing normalized volumes at current revenue rates adjusted to
15 exclude temporary increments, and calculating costs built from the gas
16 cost increments that are currently incorporated into those revenue rates
17 ensures that a matching of revenues and gas costs is achieved in the
18 case.

19 **Q. Please explain the other adjustments on Page 2 of Exhibit No. ____**
20 **(KSM/NCS-4).**

21 A. Column (b) removes the amortization amounts related to the billing rates
22 during the test period. Because revenues are normalized in the

1 adjustment in column (a), and set at end of period permanent rates, the
2 temporary increments are removed, and this adjustment mirrors that with
3 the removal of the offsetting amortization. Further, the adjustment serves
4 to set many of the miscellaneous revenue amounts to a three year
5 average to partially remove any anomalies for the items during the test
6 period.

7 Column (c) adjusts the test period expenses for bonuses. The
8 amount accrued during the year is removed and replaced by the three-
9 year average of amounts paid.

10 Column (d) adjusts the test period for severance expenses. The
11 Company realigned many of its operating processes during the test period
12 and was able to decrease its workforce by almost 13 percent since early
13 2006 through attrition and a voluntary severance program. The
14 adjustment serves to retain one third of the expense in the cost of service,
15 such that recovery of the cost of the efficiency program is recovered over
16 an assumed three-year period.

17 Column (e) serves to replace the property taxes expenses during
18 the test period with the amount most recently billed.

19 Column (f) adjusts uncollectible expenses to reflect the average of
20 the past three years of actual net write-off percentages, partially
21 eliminating any anomaly that may have been present during the test
22 period.

1 Column (g) is an adjustment to rate base for working capital, which
2 generates a return on investments in storage gas inventory and other
3 critical assets necessary to perform the utility function.

4 Column (h) adjusts O&M to reflect disallowances of marketing and
5 promotional expenses for regulatory purposes. The adjustment also
6 proposes an appropriate expense level for consumer information as
7 described in the Customer Communications testimony of Ms. Heiting,
8 *Exhibit No. ____ (KAH-1)*.

9 Column (i) adjusts O&M and rate base to include actual ordinary
10 claims for the test period, replacing the expense accrual activity that is
11 used for claims reserve accounting. The adjustment also serves to
12 include a three-year average of extraordinary claims (claims potentially
13 exceeding \$250,000). The use of the three-year average is meant to
14 mirror the treatment of normalizing uncollectible expense, which corrects
15 for year-to-year anomalies in expense levels.

16 Column (j) annualizes the rate base and operating expense impacts
17 of implementing Automated Meter Reading (AMR) in the Company's
18 Washington franchise territory. The use of AMR provides significant
19 efficiencies and greater billing accuracy compared to traditional meter
20 reading.

21 **Q. Please explain each adjustment on page 3 of *Exhibit No. ____***
22 ***(KSM/NCS-4)*.**

1 A. Column (k) adjusts O&M to provide recovery of estimated rate case
2 expenses assuming a rate case frequency of three years.

3 Column (l) adjusts O&M and rate base for additional amounts that
4 were not expensed through the clearing process. On a calendar year
5 basis, utilization rates are adjusted to assure that clearing accounts are
6 brought to zero. For the 12 months ended on September, however, it is
7 normal to have a slight mismatch in the amounts subject to clearing and
8 the amounts cleared.

9 Column (m) provides a subtotal of the effects of all the restating
10 adjustments.

11 Column (n) adjusts payroll expense to include 1) costs attributable
12 to end-of-period employee counts, and 2) the wages for those employees
13 given the known and measurable increases that have occurred and will
14 occur due to CPI adjustments and bargaining unit contract terms.

15 Column (o) adjusts health and life insurance expenses allocated to
16 O&M for end-of-period premium rates and employee counts, net of offsets
17 for employee contributions to those benefits. Payroll taxes are adjusted
18 for normalized payroll as provided in adjustment (n). Pension expense is
19 adjusted to reflect the most recent indication of expense that will be
20 recorded in 2008.

21 Column (p) adjusts depreciation expense to include the results of a
22 depreciation study completed by the Company's consultant Gannett

1 Fleming during 2007. The study showed that the company's current
2 depreciation rates are too high, and the implementation of new rates
3 would serve to decrease expense. A copy of the summary of results of
4 the study is included as Exhibit No.____ (KSM/NCS-4) on page 22.

5 Column (q) adjusts taxes to incorporate appropriate permanent
6 difference amounts related to the depreciation on pre-1981 assets and
7 removal costs. A summary of the proposed change is included as Exhibit
8 No.____ (KSM/NCS-4) on page 25.

9 Column (r) adjusts rate base and depreciation expense to include
10 the new implementation of SAP software. The software enables the
11 Company to introduce new future modules (while replacing some obsolete
12 programs) on a system platform that allows for greater efficiency between
13 Company information systems.

14 Column (s) provides a subtotal of the effects of all the pro forma
15 adjustments.

16 Column (t) shows the total of all restating and pro forma
17 adjustments on Pages 2 and 3 of Exhibit No.____ (KSM/NCS-4). This
18 column is replicated on Page 1 of Exhibit No ____ (KSM/NCS-4) as column
19 (b), where rate base is shown in total on a single line.

20 **Q. What is the total effect of the above adjustments on the company's**
21 **actual results of operations for the test period?**

1 A. As shown on Page 1 of *Exhibit No. ____ (KSM/NCS-4)*, column (c)
2 represents the results of operations for the company once annualizing and
3 pro forma adjustments have been included. Line 16 of column (c) shows
4 that the Company is earning an overall ROR of 6.58 percent and line 17
5 details the corresponding ROE of 6.51 percent.

6 **Q. Considering these results, what revenue increase is required to**
7 **support the ROE being requested by the Company?**

8 A. The operating revenue increase required to allow the Company its
9 requested ROE of 10.65 percent in Washington is \$4,342,062, as shown
10 in column (d) of Page 1 of Exhibit No. ____ (KSM/NCS-4). This amount, net
11 of income taxes and other revenue sensitive expenses, is added to the
12 Company's adjusted results, resulting in column (e). Column (e)
13 represents the normalized and adjusted results for the Company at the
14 proposed rates, with an achieved ROE of 10.65 percent.

15 **IV. Qualifications**

16 **Q. Mr. McVay, please state your educational background and**
17 **experience.**

18 A. I received a Bachelor of Science Degree in Accounting in 1981 from
19 George Mason University, Fairfax, Virginia. In 1986, I received a Master
20 of Business Administration degree from George Washington University,
21 Washington, D.C. From 1981 to 1987, I held positions as an Accountant,
22 Staff Auditor, and Forecasting Analyst for Washington Gas Light Company

1 in Washington, D.C. In 1987, I joined NW Natural as a Budget Analyst
2 and since then, I have held positions as a Senior Financial Analyst, Senior
3 Rate and Financial Analyst, Senior Revenue Requirements and Business
4 Analyst, and I currently hold the position of Financial Consultant to the
5 Finance and Regulatory Affairs departments of NW Natural.

6 **Q. Ms. Siores, please state your educational background and**
7 **experience.**

8 A. I have been employed by NW Natural since November 2003. My
9 responsibilities include analysis of revenue requirement, cost of service
10 and rate base issues, regulatory deferred accounting, development of
11 regulatory reports, rates and rate filings, assistance in rate design and
12 analysis and research relevant to gas rates and regulatory mechanisms.
13 Prior to joining NW Natural, I was employed by two different subsidiaries
14 of Nicor, Inc. from 1993 until 2003. I held positions as Accountant and
15 General Forecasting Analyst for Nicor Gas, in Naperville, Illinois from 1993
16 to 1996. Nicor Gas is a local distribution company currently serving 2.2
17 million customers in northern Illinois outside the city of Chicago. From
18 1996 to 2003, I held positions as Senior Accountant, Senior Forecast
19 Analyst and General Accounting Manager for Tropical Shipping, a
20 subsidiary of Nicor in Riviera Beach, Florida. Tropical Shipping is a
21 containerized shipping company providing full- and less than-container
22 load liner service throughout the Bahamas and the Caribbean.

1 I earned my Bachelor of Science degree in Commerce (Accountancy)
2 from DePaul University in Chicago in 1993 and passed the Uniform
3 Certified Public Accountants Exam that same year. I am a Registered
4 Certified Public Accountant in the state of Illinois (license no. 239.000138).

5 **Q. Does this conclude your direct testimony?**

6 **A.** Yes, it does.