#### e-FILING REPORT COVER SHEET



#### COMPANY NAME:

DOES REPORT CONTAIN CONFIDENTIAL INFORMATION? No Yes If yes, submit a redacted public version (or a cover letter) by email. Submit the confidential information as directed in OAR 860-001-0070 or the terms of an applicable protective order.

| Select report type: RE (Electric) RG (Gas) RW (Water) RT (Telecommunications)   |
|---|
| RO (Other, for example, industry safety information)  |
| Did you previously file a similar report? No Yes, report docket number:   |
| Report is required by: OAR  |
| Statute   |
| Order<br>Note: A one-time submission required by an order is a compliance filing and not a report<br>(file compliance in the applicable docket) |
| Other<br>(For example, federal regulations, or requested by Staff)  |
| Is this report associated with a specific docket/case? No Yes, docket number:   |

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Send the completed Cover Sheet and the Report in an email addressed to PUC.FilingCenter@state.or.us

Send confidential information, voluminous reports, or energy utility Results of Operations Reports to PUC Filing Center, PO Box 1088, Salem, OR 97308-1088 or by delivery service to 201 High Street SE Suite 100, Salem, OR 97301.



8113 W. GRANDRIDGE BLVD., KENNEWICK, WASHINGTON 99336-7166 TELEPHONE 509-734-4500 FACSIMILE 509-737-7166 www.cngc.com

May 31, 2018

Oregon Public Utility Commission P.O. Box 1088 Salem, OR 97308-1088

Attn: Filing Center

RE: RG-44, Cascade Natural Gas Corporation's 2017 Affiliated Interest Report And Cost Allocation Manual

Pursuant to OAR 860-027-0100 and OAR 860-027-0048(6), Cascade Natural Gas Corporation ("Cascade" or the "Company") herewith submits its 2017 Affiliated Interest Report and its Cost Allocation Manual.

Please contact me at (509) 734-4593 if you have any questions regarding this filing.

Sincerely,

Michael Parvinen Director, Regulatory Affairs

Enclosures

In the Community to Serve\*

#### CASCADE NATURAL GAS CORPORATION Affiliated Interest Report for the Calendar Year 2017

I. An organizational chart showing the parent company, all subsidiaries, and the percentage of ownership for each.

See the attached organizational chart.

A. Changes in the list of directors and, or other changes in the list of directors and or officers in common to the regulated utility and the affiliated interest.

Please see the attached lists.

B. Changes in successive ownership between the regulated utility and the affiliated interest.

Please see the attached organizational chart for Cascade's affiliates.

- C. A narrative description of the affiliated entity with which the regulated utility does business.
  - <u>MDU Resources Group Inc.</u> Parent Company to Cascade Natural Gas Corporation. Provides management/consulting/legal services to Cascade Natural Gas Corporation.
  - <u>Knife River Corporation</u> A subsidiary of MDU Resources. Provides asphalt services for Cascade Natural Gas Corporation. In addition, Cascade leases part of the facility with Knife River and provides distribution system transportation (Tariff Schedule 163) for a Knife River subsidiary company in Central Oregon.
  - <u>Centennial Holdings Capital LLC</u> A subsidiary of MDU Resources. Carries various liability insurance policies on behalf of Cascade Natural Gas Corporation.
  - <u>Montana-Dakota Utilities Co. (MDU)</u> A subsidiary of MDU Resources. Cascade provides 24/7 gas control monitoring of MDU's distribution system and provides notification to the appropriate personnel when a problem is detected.
  - Intermountain Gas Co. (IGC) A subsidiary of MDU Resources. Cascade provides 24/7 gas control monitoring of IGC's distribution system and provides notification to the appropriate personnel when a problem is detected.
  - <u>FutureSource Capital Corp.</u> A subsidiary of Centennial Holdings Capital. Owner of MDUR corporate office buildings and land.

## D. A balance sheet and income statement for the twelve months ending December 31, 2017.

Knife River Corporation is part of MDU Resources Construction Materials and Contracting. Below is select Income Statement and Balance Sheet information from the MDU Resources Group Inc. 2017 Annual Report.

| <b>Construction Materials and Contracting</b> |                          |
|---|--------------------------|
| Year ended December 31,                       | 2017                     |
| Income statement data (Dollars in             |                          |
| thousands)                                    |                          |
| Operating revenues                            | \$1,811,964              |
| Intersegment revenues                         | 565                      |
| Total Revenue                                 | \$1,812,529              |
| Operating expenses:                           | <i><b>J</b>1,012,323</i> |
|   |                          |
| Operation and maintenance                     | 1,571,111                |
| Depreciation, depletion and amortization      | 55,862                   |
| Taxes, other than income                      | 41,840                   |
| Total operating expenses                      | 1,668,813                |
| Operating income                              | 143,716                  |
| Earnings (Loss) from Equity Method            | 4                        |
| Investments                                   | 4                        |
| Other Income (Expense)                        | (139)                    |
| Interest expense                              | 14,778                   |
| Income (loss) before taxes                    | 128,803                  |
| Income taxes                                  | 5 <i>,</i> 405           |
| Earnings (loss) on common stock               | \$123,398                |

#### **Construction Materials and Contracting**

| Year ended December 31,                  | 2017        |
|--|-------------|
| Balance sheet data (000's)               |             |
| Property, plant and equipment            | \$1,560,048 |
| Less accumulated depreciation, depletion |             |
| and amortization                         | 906,430     |
| Net property, plant and equipment        | 653,618     |
| Other assets                             | 585,078     |
| Total identifiable assets                | \$1,238,696 |

| Year ended December 31,                  | 2017        |  |
|--|-------------|--|
| alance sheet data (000's)                |             |  |
| ASSETS                                   |             |  |
| Current assets:                          |             |  |
| Cash and cash equivalents                | \$843       |  |
| Receivables, net                         | 83,453      |  |
| Accounts rec from subsidiaries           | 34,029      |  |
| Inventories                              | 13,864      |  |
| Prepayments and other current assets     | 34,400      |  |
|  | 166,589     |  |
| Investments                              | 76,779      |  |
| Investments in subsidiaries              | 1,704,908   |  |
| Property, plant and equipment            | 2,631,161   |  |
| Less accumulated depreciation, depletion |             |  |
| And amortization                         | 797,130     |  |
| Net property, plant and equipment        | 1,834,031   |  |
| Deferred charges and other assets        |             |  |
| Goodwill                                 | 4,812       |  |
| Other                                    | 175,599     |  |
| Total deferred charges and other assets  | 180,411     |  |
| Total identifiable assets                | \$3,962,718 |  |

#### MDU Resources Group, Inc. / Montana-Dakota Utilities Co.

#### LIABILITIES AND STOCKHOLDERS' EQUITY

| \$ 100,011 |
|------------|
| 47,000     |
| 7,234      |
| 13,717     |
| 38,573     |
| 20,017     |
| 36,881     |
| 263,433    |
| 612,493    |
|            |
| 147,847    |
| 509,902    |
| 657,749    |
|            |
| -          |
| 195,843    |
|            |

| Total liabilities and stockholders' equity | \$3,962,718 |
|--|-------------|
| Total stockholders' equity:                | 2,429,043   |
| Treasury stock at cost – 538,921 shares    | (3,626)     |
| Accumulated other comprehensive loss       | (37,334)    |
| Retained earnings                          | 1,040,748   |
| Other paid-in capital                      | 1,233,412   |

| Year ended December 31,                | 2017      |
|--|-----------|
| Income statement data (000's)          |           |
| Operating revenues                     | \$623,693 |
| Operating expenses                     | 516,524   |
| Operating income                       | 107,169   |
| Other income                           | 1,331     |
| Interest expense                       | 31,997    |
| Income (loss) before taxes             | 76,503    |
| Income taxes                           | 13,800    |
| Dividends declared on preferred stocks | 171       |
| Net Income                             | 62,532    |

#### Intermountain Gas Company

| Year ended December 31,   | 2017      |
|---|-----------|
| Balance sheet data (000's)  |           |
| Property, plant and equipment<br>Less accumulated depreciation, depletion | \$664,650 |
| and amortization  | 249,256   |
|   | 415,394   |
| Deferred charges and other assets:  | 10,724    |
| Total identifiable assets   | \$426,118 |
|   |           |
| Year ended December 31,   | 2017      |
| Income statement data (000's)   |           |

| income statement data (000 s) |           |
|-------------------------------|-----------|
| Operating revenues            | \$277,041 |
| Operating expenses:           |           |
| Purchased natural gas sold    | 167,100   |
| Operations                    | 49,384    |
| Depreciation and amortization | 21,284    |
| Taxes other than income       | 11,588    |
|                               |           |

| Total operating expenses   | 249,356  |
|----------------------------|----------|
| Operating income           | 27,685   |
| Other income               | 289      |
| Interest expense           | 4,807    |
| Income (loss) before taxes | 23,167   |
| Income taxes               | 10,815   |
| Net Income                 | \$12,352 |

#### **Centennial Holdings Capital LLC**

| Year ended December 31,   | 2017                                      |
|---|---|
| Balance sheet data  |   |
| Property, plant and equipment   | \$31,082,111                              |
| Less accumulated depreciation, depletion  |   |
| And amortization  | 11,148,928                                |
|   | 19,933,183                                |
| Non current investments   | 10,421,457                                |
| Deferred tax asset  | 3,044,283                                 |
| Total identifiable assets   | \$33,398,923                              |
| Year ended December 31,<br>Income statement data (000's)  | 2017                                      |
| Operating revenues  | \$7,873,662                               |
| Operating expenses:   |   |
| Operations  | 2,880,684                                 |
| Depreciation  | 2,000,576                                 |
| Taxes other than income   | 147,900                                   |
| Gain on disp. of property   | -   |
|   |   |
| Loss on disp. of property   |   |
| Total operating expenses  | 7,780,292                                 |
| Total operating expenses<br>Operating income  | 7,780,292<br>93,371                       |
| Total operating expenses<br>Operating income<br>Interest income   | 7,780,292<br>93,371<br>801,298            |
| Total operating expenses<br>Operating income<br>Interest income<br>Other deductions                               | 7,780,292<br>93,371<br>801,298<br>137,033 |
| Total operating expenses<br>Operating income<br>Interest income<br>Other deductions<br>Income (loss) before taxes | 801,298<br>137,033<br>757,635             |
| Total operating expenses<br>Operating income<br>Interest income<br>Other deductions                               | 7,780,292<br>93,371<br>801,298<br>137,033 |

#### II. Service Payments by Cascade to an Affiliate

|         | MDU Resources Group, Inc.     |               |               |           |              |
|---------|-------------------------------|---------------|---------------|-----------|--------------|
| Account | Description                   | Total Company |               |           | Total Oregon |
|         | MDU/MDUR Consulting-Cap       |               | 5 - I         |           |              |
|         | Exp                           | \$            | 1,075,560.13  | \$        | 268,459.81   |
| 426.1   | Donations                     | \$            | 15,234.27     | \$        | 3,802.47     |
| 426.2   | Life Insurance                | \$            | (315,561.78)  | \$        | (78,764.21)  |
| 426.4   | Political Activities          | \$            | 1,029.23      | \$        | 256.91       |
| 426.5   | Other                         | \$            | -             | \$        | -            |
| 813     | Other Gas Supply Expenses     | \$            | 116,820.79    | \$        | 29,158.46    |
|         | Measuring & Regulating        |               |               |           |              |
| 875     | Station Expenses General      | \$            | 104,350.02    | \$        | 26,045.76    |
| 880     | Other Expenses                | \$            | 580,617.69    | \$        | 144,922.07   |
| 881     | Rents                         | \$            | -             | \$        | -            |
| 901     | Supervision                   | \$            | 29,130.78     | \$        | 7,271.06     |
| 902     | Meter Reading Expenses        | \$            | 183,727.60    | \$        | 45,858.38    |
|         | Customer Records &            |               |               |           |              |
| 903     | Collection Expenses           | \$            | 5,743,495.86  | \$        | 1,433,576.42 |
| 904     | Uncollectible Accounts        | \$            | 13,270.03     | \$        | 3,312.20     |
|         | Informational & Instructional |               |               |           |              |
| 909     | Advertising Expenses          | \$            | 19,170.62     | \$        | 4,785.00     |
| 913     | Promotional Advertising       | \$            | 26.37         | \$        | 6.59         |
|         | Administrative & General      |               |               |           |              |
| 920     | Salaries                      | \$            | 5,241,014.01  | \$        | 1,308,156.90 |
| 921     | Office Supplies & Expenses    | \$            | 2,270,702.52  | \$        | 566,767.55   |
|         | Administrative Expenses       |               |               |           |              |
| 922     | Transferred Credit            | \$            | (168,390.51)  | \$        | (42,030.22)  |
| 923     | Outside Services Employed     | \$            | 181,630.34    | \$        | 45,334.96    |
| 925     | Injuries & Damages            | \$            | 112.51        | \$        | 28.08        |
| 0.0     | Employee Pensions &           |               |               | ¢         |              |
| 926     | Benefits                      | \$            | 36,731.83     | \$        | 9,168.20     |
| 930.1   | General Advertising Expenses  | \$            | 19,583.13     | \$        | 4,887.96     |
| 930.2   | Misc. General Expenses        | \$            | 240,893.74    | \$        | 60,127.10    |
| 931     | Rents                         | \$            | 1,349,081.94  | \$        | 336,730.81   |
|         | Other Svc (Intercompany)      | <u>\$</u>     | 1,299,736.61  | <u>\$</u> | 349,220.61   |
|         | Grand Total                   | \$            | 18,037,967.73 | \$        | 4,527,082.87 |

| Name                        | Description                    | Total          | Total Oregon |
|-----------------------------|--------------------------------|----------------|--------------|
|                             |                                | Company        |              |
| Knife River Corporation     | 931 Rent/Various Tariff        |                |              |
|                             | Distribution                   | \$64,470.90    | \$64,470.90  |
| Centennial Holdings Capital | 928 Injuries & Damages         |                |              |
| LLC                         |                                | \$1,145,327.91 | \$285,873.85 |
| Future Source Capital Corp. | 921 Office Supplies & Expenses | \$165,878.67   | \$41,403.32  |
| Intermountain Gas Co.       | Various Intercompany Services  | 1,930,348.88   | \$481,815.08 |

| SERVICE PAYMENTS BY THE AFFILIATE TO THE UTILITY |                             |              |              |
|--|-----------------------------|--------------|--------------|
| Name Description 7                               |                             | Total        | Total Oregon |
|  |                             | Company      |              |
| Knife River Corporation                          | 887 Maint. Of Mains         | \$ 31,413.39 | \$ 31,413.39 |
| Intermountain Gas Co.                            | 24/7 gas control monitoring | \$34,047.85  | \$8,498.34   |
| Montana Dakota Utilities Co.                     | 24/7 gas control monitoring | \$10,479.63  | \$2,615.72   |

#### **Descriptions of Basis Pricing**

Attached is the Cost Allocation Manual which describes the costing method procedures for Cascade Natural Gas Corporation.

- III. Intercompany loans to Cascade from an affiliate or loans from an affiliate to Cascade
  - A. Month-end amounts outstanding for short term and long term loans. Cascade made no loans to any of the affiliates during 2017, and no affiliate loaned Cascade money in 2017.
  - **B.** The highest amount during the year. Not applicable.
  - **C.** A description of the terms and conditions for loans including interest rate. Not applicable.
  - **D.** The total amount of interest charged and the weighted average rate of interest. Not applicable.
  - E. Commission Order approving the transactions. Not applicable.
- IV. Parent guaranteed debt of affiliate None.
- V. Transactions other than services None.

# Attachments

### 2017 Affiliated Interest Report Attachments

### **Table of Contents**

| Lists of Directors and Officers | . 10 |
|---------------------------------|------|
| Organizational Charts           | . 16 |

## **Cascade Natural Gas Corporation**

#### **Primary Address**

8113 West Grandridge Boulevard Kennewick, Washington 99336-7166

#### Directors

| Directors | David L. Goodin<br>Nicole A. Kivisto<br>Daniel S. Kuntz<br>Jason L. Vollmer | <u>Title</u><br>Director<br>Director<br>Director<br>Director                                  |
|-----------|---|---|
| Officers  |   | <u>Title</u>  |
|           | Mark A. Chiles  | Vice President - Regulatory Affairs and Customer Service                                      |
|           | Patrick C. Darras   | Vice President – Engineering and Operations Services  |
|           | Hart Gilchrist  | Vice President – Safety, Process Improvement<br>and Operations Technology                     |
|           | David L. Goodin   | Chair of the Board  |
|           | Anne M. Jones   | Vice President - Human Resources  |
|           | Nicole A. Kivisto   | President and Chief Executive Officer   |
|           | Julie A. Krenz  | Assistant Secretary   |
|           | Daniel S. Kuntz   | General Counsel and Secretary   |
|           | Karl A. Liepitz   | Assistant Secretary   |
|           | Margaret (Peggy) A. Link  | Chief Information Officer   |
|           | Scott W. Madison  | Executive Vice President - Western Region<br>Operations, Business Development and<br>Strategy |
|           | Eric P. Martuscelli   | Vice President – Field Operations   |

| Tammy J. Nygard  | Controller  |
|------------------|---|
| Garret Senger    | Executive Vice President – Regulatory<br>Affairs, Customer Service and Gas Supply |
| Jason L. Vollmer | Treasurer   |

## Montana-Dakota Utilities Co.

**Primary Address** 400 North Fourth Street Bismarck, North Dakota 58501-4092

#### Officers

| Mark A. Chiles           | <u>Title</u><br>Vice President - Customer Service                      |
|--------------------------|--|
| Patrick C. Darras        | Vice President – Engineering and Operations Services                   |
| Hart Gilchrist           | Vice President – Safety, Process Improvement and Operations Technology |
| Kirsti B. Hourigan       | Assistant Secretary  |
| Anne M. Jones            | Vice President - Human Resources                                       |
| Nicole A. Kivisto        | President and Chief Executive Officer                                  |
| Julie A. Krenz           | Assistant Secretary  |
| Daniel S. Kuntz          | General Counsel and Secretary  |
| Karl A. Liepitz          | Assistant Secretary  |
| Margaret (Peggy) A. Link | Chief Information Officer  |
| Scott W. Madison         | Executive Vice President - Business<br>Development and Strategy        |
| Eric P. Martuscelli      | Vice President – Field Operations                                      |
| Tammy J. Nygard          | Controller   |

| Garret Senger | Executive Vice President – Regulatory Affairs,<br>Customer Service and Gas Supply |
|---------------|---|
| Jay Skabo     | Vice President – Electric Supply  |

#### **Committee Members**

| David L. Goodin   | <u>Title</u><br>Managing Committee Chair |
|-------------------|--|
| Nicole A. Kivisto | Managing Committee Member                |
| Daniel S. Kuntz   | Managing Committee Member                |
| Jason L. Vollmer  | Managing Committee Member                |

## **Intermountain Gas Company**

#### **Primary Address**

555 South Cole Road Boise, Idaho 83709

#### Directors

|          | David L. Goodin<br>Nicole A. Kivisto<br>Daniel S. Kuntz<br>Jason L. Vollmer | <u>Title</u><br>Director<br>Director<br>Director<br>Director              |
|----------|---|---|
| Officers |   | Title   |
|          | Mark A. Chiles  | Vice President - Regulatory Affairs and Customer Service                  |
|          | Patrick C. Darras   | Vice President – Engineering and Operations<br>Services                   |
|          | Hart Gilchrist  | Vice President – Safety, Process Improvement<br>and Operations Technology |
|          | David L. Goodin   | Chair of the Board  |

| Anne M. Jones            | Vice President – Human Resources   |
|--------------------------|--|
| Nicole A. Kivisto        | President and Chief Executive Officer  |
| Julie A. Krenz           | Assistant Secretary  |
| Daniel S. Kuntz          | General Counsel and Secretary  |
| Karl A. Liepitz          | Assistant Secretary  |
| Margaret (Peggy) A. Link | Chief Information Officer  |
| Scott W. Madison         | Executive Vice President - Western Region<br>Operations, Business Development and Strategy |
| Eric P. Martuscelli      | Vice President – Field Operations  |
| Tammy J. Nygard          | Controller   |
| Garret Senger            | Executive Vice President – Regulatory Affairs,<br>Customer Service and Gas Supply          |
| Jason L. Vollmer         | Treasurer  |

## **Centennial Holdings Capital LLC**

| Officers |                  | <u>Title</u>  |
|----------|------------------|---|
|          | David L. Goodin  | Chair of the Board, President and Chief Executive Officer |
|          | Daniel S. Kuntz  | General Counsel and Secretary                             |
|          | Jason L. Vollmer | Vice President and Treasurer                              |
|          |                  |   |
| Managers |                  | <u>Title</u>  |
|          | David L. Goodin  | Manager   |
|          | Daniel S. Kuntz  | Manager   |
|          | Jason L. Vollmer | Manager   |

## **FutureSource Capital Corp.**

#### **Primary Address**

P.O. Box 5650 Bismarck, North Dakota 58506-5650 1200 West Century Avenue Bismarck, North Dakota 58503

| Directors |                  | Title  |
|-----------|------------------|--|
|           | David L. Goodin  | Director   |
|           | Daniel S. Kuntz  | Director   |
|           | Jason L. Vollmer | Director   |
|           |                  |  |
| Officers  |                  | Title  |
|           | David L. Goodin  | Chair of the Board, President and Chief<br>Executive Officer |
|           | Julie A. Krenz   | Assistant Secretary  |
|           | Daniel S. Kuntz  | General Counsel and Secretary                                |

Jason L. Vollmer

Vice President and Treasurer

Cascade Natural Gas 2017 Affiliated Interest Report

## **Knife River Corporation**

#### **Primary Address**

P.O. Box 5568 Bismarck, North Dakota 58506-5568 1150 West Century Avenue Bismarck, North Dakota 58503

#### Directors

| Title    |
|----------|
| Director |
| Director |
| Director |
| Director |
|          |

#### Officers

#### <u>Title</u>

| David C. Barney      | President and Chief Executive Officer                           |
|----------------------|---|
| Nancy K. Christenson | Vice President – Administration and Treasurer                   |
| Christopher B. Ford  | Chief Accounting Officer  |
| David L. Goodin      | Chairman of the Board   |
| Daniel S. Kuntz      | General Counsel and Secretary                                   |
| Karl A Liepitz       | Assistant Secretary   |
| Nathan W. Ring       | Vice President – Business Development and<br>Operations Support |

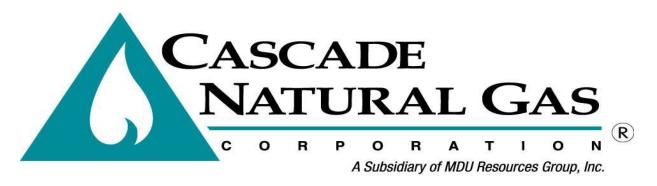
| 018  |
|--|
| MDU Resources Group, Inc.                            |
| Centennial Energy Holdings, Inc. (100%)              |
| Centennial Energy Resources LLC (100%)               |
| Centennial Energy Resources International, In (100%) |
| ☐ MDU Brasil Ltda. (1.0E%)                           |
| MDU Resources International LLC (100%)               |
| MDU Resources Luxembourg I LLC S.a.r.l. (100%)       |
| MDU Resources Luxembourg II LLC S.a.r.I. (100%)      |
| ☐ MDU Brasil Ltda. (99.99%)                          |
| Centennial Holdings Capital LLC (100%)               |
| ☐ FutureSource Capital Corp. (100%)                  |
| Nevada Solar Solutions, LLC (100%)                   |
| InterSource Insurance Company (100%)                 |
| ☐ Knife River Corporation (100%)                     |
| KRC Holdings, Inc. (100%)                            |
| 🗔 Alaska Basic Industries, Inc. (100%)               |
| Anchorage Sand and Gravel Company, Inc. (100%)       |
| Fairbanks Materials, Inc. (100%)                     |
| Baldwin Contracting Company, Inc. (100%)             |
| 1250 Gladding Road, LLC (100%)                       |
| Concrete, Inc. (100%)                                |
| Connolly-Pacific Co. (100%)                          |
| D S S Company (100%)                                 |
| Granite City Ready Mix, Inc. (100%)                  |
| Jebro Incorporated (100%)                            |
| JTL Group, Inc. (MT Corporation) (100%)              |
| ☐ JTL Group, Inc. (Wyoming Corporation) (100%)       |
| Kent's Oil Service (100%)                            |
| Knife River Corporation - Mountain West (100%)       |
| Knife River Corporation - North Central (100%)       |
| Ames Sand & Gravel, Inc. (100%)                      |
| Knife River Corporation - Northwest (100%)           |
| Central Oregon Redi-Mix, LLC (78%)                   |
| Knife River Corporation - South (100%)               |
| ☐ Knife River Dakota, Inc. (100%)                    |
| Hawaiian Cement (50%)                                |
| ☐ Knife River Hawaii, Inc. (100%)                    |
| ☐ Hawaiian Cement (50%)                              |
| Knife River Marine, Inc. (100%)                      |
| Knife River Midwest, LLC (100%)                      |
| LTM, Incorporated (100%)                             |
| Northstar Materials, Inc. (100%)                     |
| WHC, Ltd. (100%)                                     |

| 018   |
|---|
| Bell Electrical Contractors, Inc. (100%)  |
| Bombard Electric, LLC (100%)  |
| Bombard Mechanical, LLC (100%)  |
| Capital Electric Construction Company, Inc. (100%)  |
| Capital Electric Line Builders, Inc. (100%)   |
| Desert Fire Holdings, Inc. (100%)   |
| Desert Fire Protection, a Nevada Limited Part (99%)   |
| Desert Fire Protection, Inc. (100%)   |
| Desert Fire Protection, LLC (100%)  |
| Desert Fire Protection, a Nevada Limited Part (1%)  |
| Independent Fire Fabricators, LLC (100%)  |
| ☐ International Line Builders, Inc. (100%)  |
| Lone Mountain Excavation & Utilities, LLC (100%)  |
| Loy Clark Pipeline Co. (100%)   |
| MAAK Holdings, Inc. (100%)  |
| MDU Industrial Services, Inc. (100%)  |
| Frebco, Inc. (100%)   |
| ☐ Wagner Industrial Electric, Inc. (100%)   |
| MDU United Construction Solutions, Inc. (100%)  |
| Duro Electric Company (100%)  |
| USI Industrial Services, Inc. (100%)  |
| Wagner-Smith Equipment Co. (100%)   |
| Nevada Valley Solar Solutions I, LLC (100%)   |
| On Electric Group, Inc. (100%)  |
| Rocky Mountain Contractors, Inc. (100%)   |
| ☐ Wagner Group, Inc., The (100%)  |
| E.S.I., Inc. (100%)   |
| ☐ Wagner-Smith Company, The (100%)  |
| WBI Holdings, Inc. (100%)   |
| Fidelity Exploration & Production Company (100%)  |
| ☐ Fidelity Oil Co. (100%)   |
| WBI Energy, Inc. (100%)   |
| ☐ WBI Canadian Pipeline, Ltd. (100%)  |
| ☐ WBI Energy Midstream, LLC (100%)  |
| WBI Energy Transmission, Inc. (100%)  |
| WBI Energy Wind Ridge Pipeline, LLC (100%)  |
| Great Plains Natural Gas Co. (100%)   |
| ☐ MDU Energy Capital, LLC (100%)  |
| ☐ Prairie Cascade Energy Holdings, LLC (100%)   |
| Cascade Natural Gas Corporation (100%)  |
| Prairie Intermountain Energy Holdings, LLC (100%)   |
| ☐ Intermountain Gas Company (100%)  |
| MDU Holdings, LLC (100%)  |
| <ul> <li>Montana-Dakota Utilities Co. (100%)</li> <li>Big Stone-Grant Industrial Development and Tr (22.20%)</li> </ul> |

# **Cascade Natural Gas**

## **Cost Allocation Manual**

## 2017



In the Community to Serve®

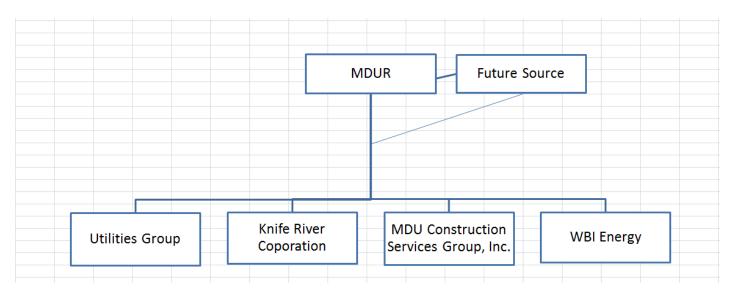
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#### Overview

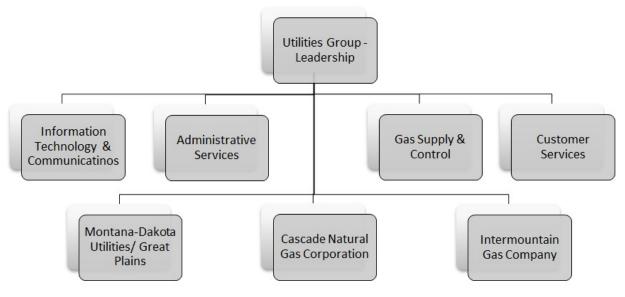
Cascade Natural Gas Corporation (Cascade), a subsidiary of MDU Resources Group, Inc. (MDUR), conducts business in two states with regulated gas distribution operations.

Below is an overview of the operational structure for the purpose of assigning costs. The diagrams presented are intended to provide an overview for cost allocation only and are not intended to represent the legal structure of the Corporation. Note that costs from MDUR and FutureSource are directly assigned or allocated and charged to the operating companies (i.e. Utilities Group, WBI Energy, etc.)



## **Corporate Level**

## Utility Group Level



This document is intended to provide an overview of the different types of allocations and the processes employed to direct costs to the proper utility and state jurisdiction for Cascade.

This document will discuss the allocations from:

- MDUR and FutureSource to Cascade Natural Gas
- Montana-Dakota/Great Plains (MDU) and Intermountain Gas Company (IGC) to Cascade Natural Gas
- Cascade to MDU and IGC
- State jurisdictions

Overall, the approach to allocating costs at each level is to directly assign costs when applicable and to allocate costs based on the function or driver of the cost.

#### MDU Resources Group, Inc. (MDUR) Allocations

The MDUR corporate staff consists of shared services departments (payroll, procurement and enterprise technology) and administrative and general departments.

#### **Shared Services**

MDU Resources Group, Inc. has several departments that provide specific services to the operating companies. These departments have developed a pricing methodology which is updated annually for the allocation of costs to the MDUR operating companies that utilize their services. (See Exhibit III) These departments include:

#### **Payroll Shared Services**

Payroll Shared Services department provides comprehensive payroll services for MDUR companies and employees. It processes payroll in compliance with appropriate federal, state and local tax laws and regulations. Payroll Shared Services is also responsible for preparation, filing and payment of all payroll related federal, state and local tax returns. It also maintains and facilitates payments and accurate reporting to payroll vendors for employee benefits and other payroll deductions. For Cascade, the payroll shared services department is also responsible for the accumulation of time entry records and maintenance of employee records. Cascade does not have any departments that provide these payroll related services.

#### **Procurement Shared Services**

Procurement Shared Services creates and maintains the Corporation's national accounts for the purchase of products, goods and services. National accounts take advantage of the combined purchasing power of all of the Corporation's operating companies. National accounts, or preferred vendor agreements, typically are negotiated at the corporate level rather than at the local company level. Procurement Shared Services also is responsible for monitoring the level of services, quantities, discounts and rebates associated with established national accounts. Cascade has a single procurement department that places specific purchase requests for materials and services required to conduct business with approved vendors.

#### **Enterprise Technology Service**

Enterprise Technology Services (ETS) provides policy guidance, infrastructure related IT functions and security-focused governance. ETS seeks to increase the return on investment in technology through consolidation of common IT systems and services, while eliminating waste and duplication. ETS works to increase the quality and consistency of technology, increase functionality and service to the enterprise, provide governance for managing and controlling risk and reduce costs through economies of scale.

Cascade's IT department consists of Montana-Dakota/Great Plains employees physically located in Kennewick, Washington, Boise, Idaho, and Bismarck, North Dakota. This Department is responsible for supporting applications specific to the utility group such as the Customer Care & Billing System, the JD Edwards financial software, Scada and mobile applications, Enterprise GIS, and PowerPlan which is the project and fixed asset accounting software. In addition the utility group IT department develops business continuity plans in the case of disaster recovery.

#### **General and Administrative Services**

Administrative and general functions performed by MDUR for the benefit of the operating companies include the following departments:

- Corporate governance, accounting & planning
- Communications & public affairs
- Human resources
- Internal audit
- Investor relations
- Legal
- Risk management
- Tax and compliance
- Travel
- Treasury services

Cascade receives an allocation of these corporate costs. Corporate Policy No. 50.9 states "*It is the policy of the Company to allocate MDU Resources Group, Inc.'s (MDU) administrative costs and general expenses to the MDU's business units*". Business units described in the policy have been referred to as operating companies in this document. The policy states that costs that directly relate to a business unit will be directly assigned to the applicable business unit and only the remaining unassigned expenses will be allocated to the operating companies using the corporate allocation methodology. The allocation factor developed to apportion MDUR's unassigned administrative costs is a capitalization factor which is based on 12 month average capitalization at March 31, effective July 1 and at September 30, effective January 1 each year. Capitalization includes total equity and current and non-current long-term debt (including capital lease obligations). The computation of the Corporate Overhead Allocation Factors is shown in Exhibit 1.

Cascade is reflected as CNGC in the Corporate Overhead Allocation Factors in Exhibit I. Operating companies that receive allocated costs on a monthly basis from MDUR include:

• Montana Dakota – Electric utility segment

- Montana Dakota/Great Plains Gas utility segment
- Cascade Natural Gas Corporation (CNGC)
- Intermountain Gas Company (IGC)
- WBI Energy Transmission
- WBI Midstream
- Knife River (KR)
- MDU Construction Services Group, Inc.

The corporate costs allocated to Cascade are subsequently allocated to the state jurisdictions. Corporate costs are recorded in the administrative and general (A&G) function for Cascade. (See state jurisdictional allocation discussion on page 8.)

#### Montana-Dakota/Great Plains Allocation of Cost to/from Others

#### Allocations to/from other MDUR Companies

Certain Montana-Dakota/Great Plains owned assets, such as the General Office/Annex facility, located at the utility headquarters in Bismarck, and the assets associated with the contribution made for FutureSource assets, are also used for the benefit of other MDUR operating companies. To cover the cost of ownership and operating costs associated with these owned assets, a revenue requirement (asset return plus annual operating expenses) is computed for the shared assets. The expense component included in the return is composed of operating and maintenance costs, depreciation, income tax and property tax expenses. The resulting revenue requirement is billed to the other MDUR operating companies, including CNGC and IGC, as a monthly fee. The costs are allocated based on the number of customers served by each utility.

Intermountain Gas owns the customer care center located in Meridian, ID. To cover the cost of ownership and operating costs associated with that owned asset, a revenue requirement (asset return plus annual operating expenses) is computed similarly to Montana-Dakota owned assets. The expense component included in the return is composed of operating and maintenance costs, depreciation, income tax and property tax expenses. The resulting revenue requirement is billed to the Montana-Dakota/Great Plains and Cascade as a monthly fee. The costs are allocated based on the number of customers served by each utility.

Certain Cascade owned assets, such as the portion of the General Office facility used for Shared Services (i.e. Gas Control, IT), located at the utility headquarters in Kennewick, are also used for the benefit of other MDUR operating companies. To cover the cost of ownership and operating costs associated with these owned assets, a revenue requirement (asset return plus annual operating expenses) is computed for the shared assets. The expense component included in the return is composed of operating and maintenance costs, depreciation, income tax and property tax expenses. The resulting revenue requirement is billed to the other MDUR operating companies, including MDU and IGC, as a monthly fee. The costs are allocated based on the number of customers served by each utility.

#### Allocations to other Utility Companies

Montana-Dakota/Great Plains has several departments that provide services to all four utility operating companies (Montana-Dakota, Great Plains, Cascade Natural Gas Co. and Intermountain Gas Company). These departments include:

- Leadership Group composed of the Executive Group and Directors that oversee shared utility specific functions
- Customer Services (Call Center, Scheduling and Online Services)
- Information Technology and Communications- (Management Information Systems, Technology and Compliance)
- Administrative Services (Procurement, Office Services, Fleet Operations)
- Gas Supply & Control

These operational groups have calculated the proper allocation to use to allocate the costs to the utility companies based on services performed for each utility company. The allocation methodology is included in Exhibit IV.

#### Standard Labor Distributions

#### Labor/Reimbursable expense allocations

The development of standard labor distributions for Cascade employees is described below based on the type of employee. Standard labor distributions are used for all employees to account for certain expenses as detailed below.

Labor, benefit costs and reimbursable expenses are directly assigned to a jurisdiction where possible. If the expense is not direct, the appropriate jurisdiction is charged as follows:

#### **Union Employees**

Time tickets are required for productive time. The employee specifies the proper location and FERC account based on work performed. To account for nonproductive time, standard payroll labor distributions are established for all employees. These standard labor distributions are calculated for union employees based on the historical actual charges.

#### Non-Union Employees

Non-union employees are not required to submit detailed time tickets with applicable general ledger accounts specified. Rather each employee has a "standard" set of general ledger accounts that split the labor costs based on an expected ratio of work. This split can be unique and is based on the employee's position. Costs are distributed based on this standard labor distribution for each employee, and the allocations are reviewed periodically.

#### **Cascade Allocations to State Jurisdictions**

Cascade utilizes an automated allocation process each month to record the income statement and rate base account activity to the financial ledger (state jurisdiction) to facilitate regulatory reporting. This process is based on the general ledger account structure used in the financial software (JD Edwards). As with other items, costs are directly assigned to a jurisdiction when possible. Costs common to more than one state jurisdiction are allocated between jurisdictions. The primary driver of the allocation is the Business Unit component of the general ledger account; however, the FERC account associated with the charge is also used to determine the proper allocation method. The allocation process creates a Journal Entry to the JD Edwards jurisdictional ledgers established by state.

The allocation methodology is as follows:

The JD Edwards (JDE) software is used by Cascade for recording financial transactions as well as the jurisdictional allocation process for all accounts except those related to fixed assets.

The account structure within JDE consists of the following components:

<u>Business Unit</u> - The Business Unit is one of the primary components used for identifying the regulatory allocation of costs. It usually defines a location such as an operating region, operating district or facility (i.e. gas regulator station), or department (i.e. human resources, engineering).

<u>Object</u> – The object for operations and maintenance (O&M) expense accounts represents the resource consumed (i.e. payroll or materials). For balance sheet accounts, the object represents the FERC account.

<u>Subsidiary</u> – The subsidiary portion of the account for O&M accounts identifies the utility segment (2 represents gas) and the FERC account. For balance sheet accounts the subsidiary represents a further breakdown of the account such as which bank for a cash account.

<u>Revenue Accounts</u> – Revenues are directly assigned to the jurisdiction when possible. The applicable FERC account is part of the account structure. It is the combination of the business unit, and FERC that drive the allocation factor used. An example of revenue that is allocated to the jurisdictions is revenue from the cost of service calculation which is assigned an allocable location (Business Unit).

<u>Operation and Maintenance (O&M) accounts</u> – As costs are incurred, the approver of the expense assigns the general ledger account structure.

It is the combination of the location (Business Unit), and FERC that drive the allocation factor utilized. Locations are assigned a factor based on the geographic area for which they serve and the FERC function assigned. For example, location (Business Unit) 47041 represents the geographic location of the Bend, Oregon District. The Bend District is therefore directly assigned to Oregon for all FERC accounts.

Another example is location 4767000, representing the Credit and Collections Department. The allocation of costs is based on the FERC range of accounts. The location may also be a responsibility, or department. An allocation code is used to split the costs between the states. The most common allocation factor is the 3-factor formula (customer, employee and plant). However, the customer ratio, employee ratio, gross plant ratio, and rate base ratio are also used. See Exhibit II for the allocation factor calculations.

## Cost Allocation Manual

| O         00047         47041         4261         42659999         201208         203512         Bend District-BTL         00002         2         0        |                | tility Allocation<br>1 Code 01 |
|--|----------------|--------------------------------|
|  | $oldsymbol{O}$ | 2 00038                        |
| 00047         47041         4081         0         99999999         200601         203512         Central OR District-4081         00002         2         0 | $\bigcirc$     | 2 00038                        |
|  | $\bigcirc$     | 2 00038                        |
| O 00047 47041 5981 4261 4261 200902 201207 Central OR District 00002 2 0   | $\bigcirc$     | 2 00038                        |
| O 00047 47041 5984 4263 4263 201111 201207 OR 5984 00002 2 0   | $\bigcirc$     | 2 00038                        |

Code 00038 = 100% allocated to Oregon

|            | *Co   | *Location | *Obj<br>Acct | *FERC<br>Sub 1 | *FERC<br>Sub 2 | *Start<br>Date | Stop<br>Date | Description                  | Utility<br>Alloc<br>Code | Utility<br>01 | Allocation<br>Code 01 |
|------------|-------|-----------|--------------|----------------|----------------|----------------|--------------|------------------------------|--------------------------|---------------|-----------------------|
| ۲          | 00047 | 4767000   |              | 0000           | 99999          | 201101         | 203512       | Customer Service Allocated C | 00002                    | 2             | 00100                 |
| $\bigcirc$ | 00047 | 4767000   | 5211         | 4264           | 4264           | 201101         | 203512       | Labor Rel & Comp             | 00002                    | 2             | 00100                 |
| $\bigcirc$ | 00047 | 4767000   | 5984         | 4263           | 4263           | 201108         | 203512       | Corporate 5984               | 00002                    | 2             | 00100                 |
|            | *Co   | *Location | *Obj<br>Acct | *FERC<br>Sub 1 | *FERC<br>Sub 2 | *Start<br>Date | Stop<br>Date | Description                  | Utility<br>Alloc<br>Code | Utility<br>01 | Allocation<br>Code 01 |
| •          | 00047 | 47042     |              | 2870           | 29359999       | 200601         | 203512       | Pendleton District           | 00002                    | 2             | 00038                 |
| $\bigcirc$ | 00047 | 47042     |              | 4261           | 42659999       | 200601         | 203512       | Pendleton District-BTL       | 00002                    | 2             | 00038                 |
| $\bigcirc$ | 00047 | 47042     | 4081         | 0              | 9999999        | 200601         | 203512       | Pendleton District-4081      | 00002                    | 2             | 00038                 |

Allocation Code 01 Represents the code used to allocate to a Jurisdiction 00038 = Oregon 00048 = Washington 00100 = 3 Factor Formula (customer, employee, plant) 00101 = Customer Ratio 00102 = Employee Ratio 00103 = Gross Plant Ratio

|            | Co    | Juris Alloc<br>Code | Juris<br>Start Date | Juris<br>Stop Date | Description<br>10                             | State<br>01 | Percent<br>01 | State<br>02 | Percent<br>02 |
|------------|-------|---------------------|---------------------|--------------------|---|-------------|---------------|-------------|---------------|
| ۲          | 00047 | 00100               | 201501              | 201512             | 3 Factor formula -(customer, employee, plant) | OR          | 24.270000     | WA          | 75.730000     |
| $\bigcirc$ | 00047 | 00101               | 201501              | 201512             | Customer Ratio                                | OR          | 24.940000     | WA          | 75.060000     |
| $\bigcirc$ | 00047 | 00102               | 201501              | 201512             | Employee Ratio                                | OR          | 25.440000     | WA          | 74.560000     |
| $\bigcirc$ | 00047 | 00103               | 201501              | 201512             | Gross Plant Ratio                             | OR          | 22.420000     | WA          | 77.580000     |
| $\sim$     | 00047 | 00104               | 201501              | 201512             | Rate Base Ratio                               | OR          | 23.540000     | WA          | 76.460000     |

#### **Exhibit I- MDUR Corporate Overhead factor**

#### MDU Resources Group Inc.

**Corp Overhead Alloc Factors Jan-Jun 2017** 

| _                |          | .4       | .00  | .01 |         | .00 | .00       | .04       | .02  | .01 |        |
|------------------|----------|----------|------|-----|---------|-----|-----------|-----------|------|-----|--------|
|                  |          |          |      |     |         |     | FIDELITY  |           |      |     |        |
|                  | MONTAN   | A-DAKOTA |      |     | TOTAL   |     | EXPLOR. & | WBI NON-  |      |     |        |
| Ē                | ELECTRIC | GAS DIST | CNG  | IGC | UTILITY | WBI | PROD.     | REGULATED | KRC  | CSG |        |
| Corporate factor | 19.8     | 13.2     | 13.6 | 9.4 | 56.0    | 7.4 | 0.0       | 5.6       | 22.3 | 8.7 | 100.00 |

#### Average Capitalization - 12 months ended 09/30/2015 for Corporate Overhead Factors Effective January 1, 2016

|   | Utility Group    | WBI Energy     | Knife River     | Construction Services | Total            |
|---|------------------|----------------|-----------------|-----------------------|------------------|
| Debt and Equity                                     |                  |                |                 |                       |                  |
| Short-term borrowings                               |                  | 6,583,333.33   |                 |                       | 6,583,333.33     |
| LTD due within one year                             | 51,215,181.58    | 43,416,666.66  | 75,482,018.10   | 35,014,109.04         | 205,127,975.38   |
| Long-term debt                                      | 944,553,238.29   | 265,383,037.36 | 295,332,700.51  | 75,297,579.08         | 1,580,566,555.24 |
| Total Debt  | 995,768,419.87   | 315,383,037.35 | 370,814,718.61  | 110,311,688.12        | 1,792,277,863.9  |
| Stockholders' equity:                               |                  |                |                 |                       |                  |
| Preferred stocks                                    | 15,000,000.00    |                |                 |                       | 15,000,000.00    |
| Common stock  | 195,212,981.75   |                | 800,000.00      | 1,000.00              | 196,013,981.7    |
| Other paid-in capital                               | 1,654,872,956.62 |                | 489,889,551.81  | 134,623,649.93        | 2,279,386,158.30 |
| Retained earnings                                   | 1,492,116,748.63 |                | 122,708,512.63  | 93,237,371.98         | 1,708,062,633.24 |
| Accumulated other comprehensive loss                | (40,262,509.76)  |                | (23,497,919.69) | (2,496,243.34)        | (66,256,672.79   |
| Treasury stock                                      | (3,625,812.59)   |                | (3,625,812.59)  |                       | (7,251,625.18    |
| Equity at WBI - Equity components provided in total |                  | 316,551,619.60 |                 |                       | 316,551,619.60   |
| Total common stockholders' equity                   | 3,298,314,364.65 | 316,551,619.60 | 586,274,332.16  | 225,365,778.57        | 4,426,506,094.98 |
| Total stockholders' equity                          | 3,313,314,364.65 | 316,551,619.60 | 586,274,332.16  | 225,365,778.57        | 4,441,506,094.98 |
| Total liabilities and stockholders' equity          | 4,309,082,784.52 | 631,934,656.95 | 957,089,050.77  | 335,677,466.69        | 6,233,783,958.93 |
| IC investment in subsidiaries                       | 2,280,176,898.63 |                |                 |                       | 2,280,176,898.63 |
| Capitalization                                      | 2,028,905,885.89 | 631,934,656.95 | 957,089,050.77  | 335,677,466.69        | 3,953,607,060.30 |
|   | 51.3%            | 16.0%          | 24.2%           | 8.5%                  | 100.0%           |

|                       | 9/30/2016      | Share of         | Corporate  |
|-----------------------|----------------|------------------|------------|
|                       | Capitalization | Corp. Allocation | Allocation |
| Montana-Dakota        | 1,366,017      | <b>58.9%</b>     | 33.0%      |
| Cascade               | 565,055        | 24.3%            | 13.6%      |
| Intermountain         | 389,942        | 16.8%            | 9.4%       |
| Total Utilities Group | 2,321,014      | 100.0%           | 56.0%      |
|                       |                |                  |            |

#### **Exhibit II-** Cascade Allocation Factors

| Cascade Natural G    | Gas Corportation        |          |          |                               | Cascad           | e Natural Gas Corporation |               |         |
|----------------------|-------------------------|----------|----------|-------------------------------|------------------|---------------------------|---------------|---------|
| CY 2016 Allocation F |                         |          |          |                               |                  | age No. of Employees      |               |         |
|                      |                         |          |          |                               |                  | 2016                      |               |         |
|                      |                         |          |          | Source: Customers Per Empl    | oyee report      | Washington                | Oregon        |         |
|                      | Cascade Natural Gas Cor | poration |          |                               |                  | District                  | District      |         |
|                      |                         |          |          |                               | Mo-Yr            | Employees (1)             | Employees (1) |         |
|                      | State Allocation Form   | ulas     |          |                               |                  |                           |               |         |
|                      | 2016                    |          |          |                               | Dec-15           | 171                       | 62            |         |
|                      |                         |          |          |                               | Jan-16           | 171                       | 62            |         |
|                      |                         |          |          |                               | Feb-16<br>Mar-16 | 175<br>180                | 66            |         |
|                      |                         |          |          |                               | Apr-16           | 180                       | 65<br>66      |         |
|                      | Washington              | Oregon   | Total    |                               | May-16           | 181                       | 65            |         |
|                      | ž                       | · · · ·  |          |                               | Jun-16           | 181                       | 64            |         |
| 0                    | 74.000/                 | 00.000/  | 100.000/ |                               | Jul-16           | 191                       | 71            |         |
| Customers            | 74.68%                  | 25.32%   | 100.00%  |                               | Aug-16           | 191                       | 72            |         |
| Employees            | 72.99%                  | 27.01%   | 100.00%  |                               | Sep-16           | 190                       | 73            |         |
| Gross Plant          | 77.45%                  | 22.55%   | 100.00%  |                               | Oct-16           | 189                       | 73            |         |
| orooo r ranc         | 11.1070                 | 22.0070  | 100.0070 |                               | Nov-16           | 185                       | 70            |         |
|                      |                         |          |          |                               | Dec-16           | 186                       | 67            |         |
| 3-Factor Formula     | 75.04%                  | 24.96%   | 100.00%  |                               |                  |                           |               |         |
|                      |                         |          |          |                               |                  | 2,372                     | 876           |         |
|                      |                         |          |          | Average of Monthly Averages   |                  | 183                       | 68            | 250     |
|                      |                         |          |          | nonago or monany , nonagoo    |                  |                           |               | 200     |
|                      |                         |          |          |                               |                  |                           |               |         |
|                      |                         |          |          |                               | Percentage       | 72.99%                    | 27.01%        | 100.00% |
| Rate Base Ratio      | 77.16%                  | 22.84%   | 100.00%  |                               |                  |                           |               |         |
| Rate Dase Ratio      | 11.10%                  | ZZ.04%   | 100.00%  | (1) Excludes Interstate emplo | ovees            |                           |               |         |

| Cascade Natura | Gas Corporation                              |  |   | Cascade Natural Gas Cr   | propration   |   | Cascade Natural Gas Corp   | oration  |   |  |
|----------------|--|--|---|--|--|---|--|--|---|--|
|                |  |  |   |  |  |   |  | oración  |   |  |
|                |  |  |   | 2016   | atomera  |   | 2016   |  |   |  |
|                |  |  |   |  |  |   |  |  |   |  |
|                |  |  |   | Average No.  |  | The following pe  | rcentages are used for allocating interest o   | n debt:  |   |  |
| Washington     | Oregon                                       |  |   | of Customers   | Percentage   |   |  |  |   |  |
| Incl. CCNC     | Incl. CCNC                                   | Total  |   |  |  |   |  |  |   |  |
|                |  |  | Washington /  | 207,869  | 74.68%   |   | 2016   |  |   |  |
| 677,494,189    | 197,221,697                                  | 874,715,886                                      | Oregon  | 70,484   | 25.32%   |   | Average  | Plant  |   |  |
|                |  |  |   |  |  |   | Rate Base  | Formula  |   |  |
|                |  |  | Total   | 278,353  | 100.00%  | Washington  | 266,545,413  |  | 77.16%  |  |
|                |  |  |   |  |  | Oregon  | 78,897,061   |  | 22.84%  |  |
| 77 450/        | 00 EE0/                                      | 100.00%  |   |  |  |   | 245 449 474  | 1  | 100.00%   |  |
|                | Gross Plan<br>20<br>Washington<br>Incl. CCNC | Incl. CCNC Incl. CCNC<br>677,494,189 197,221,697 | Gross Plant Percentage<br>2016<br>Washington Oregon<br>Incl. CCNC Incl. CCNC Total<br>677,494,189 197,221,697 874,715,886 | Gross Plant Percentage         2016           2016         2016           Washington         Oregon           Incl. CCNC         Incl.           677,494,189         197,221,697           677,494,189         197,221,697           7         Total           7         Total | Gross Plant Percentage         Average Number of Cu           2016         2016           Value         2016           Value         Average No.           Mashington         Oregon           Incl. CCNC         Incl.           Mashington         Oregon           0         0 <td>Gross Plant Percentage         Average Number of Customers           2016         2016           2016         2016           Average No.         Average No.           Washington         Oregon         of Customers           Incl. CCNC         Incl. CCNC         Total           6777,494,189         197,221,697         874,715,886           Oregon         0regon         207,869           70,484         25.32%           70,484         25.32%           70,484         278,353           100.00%         100.00%</td> <td>Gross Plant Percentage         Average Number of Customers           2016         2016           Vashington         Oregon           Incl. CCNC         Incl. CCNC           Incl. CCNC         Incl. CCNC           Vashington         207,869           677,494,189         197,221,697           874,715,886         Oregon           Total         278,353           100.00%         Washington           Oregon         Oregon           0         0           100.00%         Washington</td> <td>Gross Plant Percentage         Average Number of Customers         Rate Base Ratio           2016</td> <td>Gross Plant Percentage       Rate Base Ratio         2016       2016       2016         2016       2016       2016         2016       2016       2016         2016       2016       2016         2016       Average Number of Customers       2016       2016         2016       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Total       207,869       74.68%       2016       2016         677,494,189       197,221,697       874,715,886       Oregon       70.484       25.32%       Average       Plant         Formula       Oregon       Total       278,353       100.00%       Washington       266,545,443         Colspan="4"&gt;Oregon       Total       278,353       0rego</td> | Gross Plant Percentage         Average Number of Customers           2016         2016           2016         2016           Average No.         Average No.           Washington         Oregon         of Customers           Incl. CCNC         Incl. CCNC         Total           6777,494,189         197,221,697         874,715,886           Oregon         0regon         207,869           70,484         25.32%           70,484         25.32%           70,484         278,353           100.00%         100.00% | Gross Plant Percentage         Average Number of Customers           2016         2016           Vashington         Oregon           Incl. CCNC         Incl. CCNC           Incl. CCNC         Incl. CCNC           Vashington         207,869           677,494,189         197,221,697           874,715,886         Oregon           Total         278,353           100.00%         Washington           Oregon         Oregon           0         0           100.00%         Washington | Gross Plant Percentage         Average Number of Customers         Rate Base Ratio           2016 | Gross Plant Percentage       Rate Base Ratio         2016       2016       2016         2016       2016       2016         2016       2016       2016         2016       2016       2016         2016       Average Number of Customers       2016       2016         2016       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Average No.       The following percentages are used for allocating interest on debt:         Washington       Oregon       Total       207,869       74.68%       2016       2016         677,494,189       197,221,697       874,715,886       Oregon       70.484       25.32%       Average       Plant         Formula       Oregon       Total       278,353       100.00%       Washington       266,545,443         Colspan="4">Oregon       Total       278,353       0rego |  |

#### Exhibit III - MDUR Shared Services Pricing Methodology

#### **MDU Resources Shared Services**

#### Pricing Methodology - Effective for 2017

**Note: MDU Resources' use of Shared Services** – MDU Resources costs for each shared services function is charged based on the corporate allocation factor.

#### 761 – Payroll Shared Services

Payroll Shared Services costs are invoiced based on the number of employees paid and stated as a cost per check. The word check, for this purpose, generically refers to paper paychecks, direct deposits and pay card transactions.

Checks are charged on a tiered structure, intended to recognize the fixed or baseline effort associated with maintaining a payroll cycle and associated reporting, regardless of number of people paid. It is also intended to reward consolidation of multiple pay groups and companies where possible and to align charges with the additional effort required to maintain multiple pay groups and pay cycles.

The monthly volume for this step pricing is accumulated individually for each pay cycle processed.

Checks for weekly pay cycles, cost per check based on the number of checks written per month:

- \$ 4.25 per check for the first 500 checks
- \$ 0.50 per check for the next 500 checks
- \$ 0.25 per check for each additional check

Checks for non-weekly pay cycles, cost per check based on the number of checks written per month:

- \$ 4.25 per check for the first 1500 checks
- \$ 0.50 per check for the next 500 checks
- \$ 0.25 per check for each additional check

Additionally, there will be a \$4.65 charge for each tax payment and \$250.00 charge for each quarterly tax filing and \$2 charge for each W2

There is a \$500 per month minimum charge for each operating company.

There is a premium charge of \$50 per transaction for specific off cycle checks and back-pay calculations. Examples of transactions included in the premium charge schedule are missing hours, refunded deductions, length of service awards submitted too late for inclusion in a scheduled payroll process, and back pay calculation because an increase was

submitted after the pay period that includes the effective date. Examples of transactions excluded from the premium charge calculation are bonus payments, final paychecks, certified wage settlements, or any payment required as a result of a Shared Service or system error.

#### 762 – Procurement Shared Services:

Procurement Shared Services costs are invoiced based on five separate factors, all carrying an equal weight of 20%. The factors are:

- Number of Visa Cards as of 8/1/16 Page 1
- Total Visa Spend for 2015
- National Account Spend for 2015
- Number of Construction Equipment Acquisitions in 2015
- Number of Fleet Acquisitions in 2015

|                                      | MDUR      | MDU        | WBIE      | KRC        | CSG        | CNG       | IGC       | Total       |
|--------------------------------------|-----------|------------|-----------|------------|------------|-----------|-----------|-------------|
| # VISA cards                         | 187       | 1,173      | 558       | 1,518      | 1,288      | 446       | 157       | 5,327       |
| % of VISA<br>cards                   | 3.51%     | 22.02%     | 10.47%    | 28.50%     | 24.18%     | 8.37%     | 2.95%     | 100%        |
| VISA spend                           | 1,581,487 | 7,131,765  | 3,873,021 | 12,438,266 | 8,886,906  | 2,634,527 | 1,280,514 | 37,826,486  |
| % of Total<br>VISA spend             | 4.18%     | 18.86%     | 10.24%    | 32.88%     | 23.49%     | 6.96%     | 3.39%     | 100%        |
| National<br>Account<br>Spend         | 1.891,207 | 17,506,783 | 8,234,912 | 95,811,922 | 28,575,267 | 7,336,137 | 4,365,242 | 163,721,470 |
| % of<br>National<br>Account<br>Spend | 1.16%     | 10.69%     | 5.03%     | 58.52%     | 17.45%     | 4.48%     | 2.67%     | 100%        |
|                                      | MDUR      | MDU        | WBIE      | KRC        | CSG        | CNG       | IGC       | Total       |
| #<br>Construction<br>Equip           | 0         | 53         | 11        | 78         | 34         | 23        | 7         | 206         |

## Cost Allocation Manual

| Total<br>weighted<br>allocation<br>factor                     | 1.77% | 18.28% | 7.31% | 39.17% | 22.21% | 7.53%  | 3.73% | 100.00% |
|---|-------|--------|-------|--------|--------|--------|-------|---------|
| % of Fleet<br>Acquisitions                                    | 0.00% | 14.12% | 5.44% | 38.10% | 29.44% | 6.65%  | 6.25% | 100%    |
| # Fleet<br>Acquisitions                                       | 0     | 70     | 27    | 189    | 146    | 33     | 31    | 496     |
| Acquisitions<br>% of<br>Construction<br>Equip<br>Acquisitions | 0.00% | 25.73% | 5.34% | 37.86% | 16.50% | 11.17% | 3.40% | 100%    |

#### 766 – Time Entry Shared Services:

Service provided 100% to the MDU Utility Group.

#### Enterprise Technology Services (ETS):

There are several ETS departments, and each is billed out based on its own criteria. They are as follows:

Application Services (765) 100% of these costs are based on the corporate factor.

**Customer Relations (965)** – The enterprise costs associated with customer relations are invoiced based upon the number of devices supported by customer relations. The metric used to determine device counts is devices that have checked into active directory during a 60 day period in the summer of 2016.

|                    | MDUR  | MDU    | WBIE  | KRC    | CSG    | CNG   | IGC    | Total |
|--------------------|-------|--------|-------|--------|--------|-------|--------|-------|
| Device Counts      | 284   | 1,181  | 406   | 2,007  | 1,525  | 469   | 656    | 6,528 |
| % of Device Counts | 4.35% | 18.10% | 6.22% | 30.74% | 23.36% | 7.18% | 10.05% | 100%  |
| Totals             | 4.35% | 18.10% | 6.22% | 30.74% | 23.36% | 7.18% | 10.05% | 100%  |

#### **Communications & Security (971)**

Enterprise charges for the communications group are invoiced using three weighted allocation factors. The factors are as follows:

- 1. Wide Area Network/Local Area Network/Metropolitan Area Network- Number of business unit locations (40%)
- 2. Internet/Firewall Access Number of user accounts (40%)
- 3. Security (20%)

The costs are invoiced based on the following percentages:

|                    | MDUR  | MDU    | WBIE   | KRC    | CSG    | CNG   | IGC    | Total   |
|--------------------|-------|--------|--------|--------|--------|-------|--------|---------|
| WAN/LAN/MAN        | 3     | 55     | 131    | 203    | 59     | 18    | 13     | 482     |
| % of Business Unit |       |        |        |        |        |       |        |         |
| Locations          | 0.62% | 11.41% | 27.18% | 42.12% | 12.24% | 3.73% | 2.70%  | 100%    |
|                    |       |        |        |        |        |       |        |         |
| Internet           |       |        |        |        |        |       |        |         |
| Access/Firewall    | 284   | 1,181  | 406    | 2,007  | 1,525  | 469   | 656    | 6,528   |
| % of User Accounts | 4.35% | 18.10% | 6.22%  | 30.74% | 23.36% | 7.18% | 10.05% | 100%    |
|                    |       |        |        |        |        |       |        |         |
| Voice              | 225   | 571    | 311    | 1,435  | 68     | 318   | 308    | 3,236   |
| % of Handsets      | 6.95% | 17.65% | 9.61%  | 44.34% | 2.10%  | 9.83% | 9.52%  | 100%    |
| Totals             | 3.38% | 15.34% | 15.28% | 38.01% | 14.66% | 6.33% | 7.00%  | 100.00% |

**Operations (972)** – Enterprise charges for the operations group are invoiced using two separate factors. 95.9% of the costs are based upon the number of servers that are supported for a particular business unit. These servers are then broken out between full service servers and shared service servers. 4.1% of the costs are for costs specific to the AS/400 are invoiced upon the AS/400 allocation as agreed to by MDU and WBI.

The costs that are based upon the number of servers are based on the following percentages:

- 1. Full Service Servers- (61.49%)
- 2. Shared Service Servers (38.51%)

## Cost Allocation Manual

|                      | MDUR   | MDU    | WBIE  | KRC    | CSG    | CNG   | IGC    | Total |
|----------------------|--------|--------|-------|--------|--------|-------|--------|-------|
| Full Service Servers | 305    | 152    | 35    | 103    | 31     | 0     | 0      | 626   |
| % of Full Service    |        |        |       |        |        |       |        |       |
| Servers              | 48.72% | 24.29% | 5.59% | 16.45% | 4.95%  | 0.00% | 0.00%  | 100%  |
|                      |        |        |       |        |        |       |        |       |
| Shared Service       |        |        |       |        |        |       |        |       |
| Servers              | 18     | 97     | 39    | 52     | 73     | 34    | 79     | 392   |
| % of Full Service    |        |        |       |        |        |       |        |       |
| Servers              | 4.59%  | 24.75% | 9.95% | 13.27% | 18.62% | 8.67% | 20.15% | 100%  |
|                      |        |        |       |        |        |       |        |       |
| Totals               | 31.73% | 24.45% | 7.27% | 15.23% | 10.22% | 3.34% | 7.76%  | 100%  |

**Finance and Administration (982)** –. Costs for the finance and administration group are invoiced based upon the combined methodologies of the four previously identified ETS groups.

|  | MDUR   | MDU    | WBIE  | KRC    | CSG    | CNG   | IGC   | Total |
|--|--------|--------|-------|--------|--------|-------|-------|-------|
| % of Total Finance<br>& Administration | 18.40% | 17.93% | 9.50% | 26.05% | 15.10% | 5.34% | 7.68% | 100%  |

#### **Exhibit IV- Utility Operations Support Allocation Methodology**

Utility Operations Support

Labor Distribution Allocation Methodology

#### Leadership Group:

- Includes Executive Vice Presidents & Directors
- Oversees all shared, utility specific functions in the following areas:
  - o Customer Services
  - o Administrative Services
  - o Information Technology & Communications
  - o Engineering and Operations Procedures
  - o Gas Supply and Gas Control
- Allocation methodology:
  - o Equal portion allocated to each utility company, or brand
  - For portion allocated to Montana-Dakota/Great Plains, if there is involvement with nonutility work allocate 1% (including 0.25% for Great Plains) to non-utility based on historical estimates, with remainder allocated to gas and electric based on meter count.
  - For portion allocated to Montana-Dakota/Great Plains, if there is no involvement with non-utility work, allocate between gas and electric based on meter count.

#### Customer Services:

- Director
  - 35% to CNG, 30% to IGC, 35% Montana-Dakota/Great Plains 1(1% to non-utility) and remainder split between gas and electric meter count.
- Management team
  - o Supervisors: Front line supervision for Customer Service Center
    - 30% to CNG, 30% to IGC, 40% Montana-Dakota/Great Plains<sup>1</sup> (2% to non-utility) and remainder allocated to gas and electric based on the estimate of time required to supervise
  - o Manager: Customer service
    - 30% CNG, 20% IGC, 50% Montana-Dakota/Great Plains<sup>1</sup> (2% to non –utility) and remainder allocated to gas and electric meter count.
- Credit
  - o Responsible for credit and collections for the Utility Group
  - o Allocation Methodology
    - Most agents only handle credit activity for one brand, they charge all time to that brand
    - For agents that handle multiple brands, time is charged based on how much time is spent on each brand

<sup>&</sup>lt;sup>1</sup> Based on estimated time using history

- For agents that only handle credit activity for Montana-Dakota/Great Plains:
  - Allocated to gas and electric based on meter count

For agents that handle credit for Montana-Dakota/Great Plains and another brand, the portion is allocated to each utility based on average time spent in each utility with the Montana-Dakota/Great Plains portion allocated to gas and electric based on meter count.

#### Scheduling

- Responsible for scheduling field work for employees performing work in the field for the Utility Group
- o Responsible for emergency response 24/7
- o Allocation Methodology:
- o Management team:
  - Manager 20% IGC, 30% CNG, 50% Montana-Dakota/Great Plains<sup>1</sup> allocated to gas and electric based on meter count.
  - Team Leads 25% IGC, 25% CNG, 50% Montana-Dakota/Great Plains<sup>4</sup> allocated to gas and electric based on meter count.
  - For employees that only schedule one brand, charge time to that brand
  - For employees that schedule both IGC and CNG, split time 50/50 based on estimated time required
  - For employees who schedule all brands, split evenly
  - For employees that only schedule Montana-Dakota/Great Plains:
    - Allocated between gas and electric based on meter count
  - For employees that schedule credit for Montana-Dakota/Great Plains and another brand, the portion is allocated to each utility based on the shared utility. The Montana-Dakota/Great Plains allocation is based on the gas and electric meter count.

#### Customer Service

- o Responsible for handling all inbound calls during regular operating hours
- o Allocation Methodology:
  - Teams leads and Customer Care Representatives (CCR's) when only responsible for one brand, charge all that time to one brand
  - For employees covering multiple brands, estimates are routinely made for allocations for the pay period
  - For employees responsible for Montana-Dakota/Great Plains:
    - 3% (including 0.5% for Great Plains) is charged to non-utility for credit activity associated with non-utility charges, based on best estimate of time required
    - Remainder is allocated between gas and electric based on meter count

- For employees responsible for Montana-Dakota/Great Plains and another brand, the portion allocated to non-utility is reduced accordingly to 3% (including 0.5% for Great Plains) of the total associated with Montana-Dakota/Great Plains.
- Customer Programs & Support
  - Responsible for inbound self-service, web help, customer program transactions, and analytical support for the Utility Group
  - o Allocation Methodology:
  - o Manager
    - 30% IGC, 30% CNG, 40% Montana-Dakota/Great Plains<sup>1</sup> (allocate to gas and electric based on meter count)
      - Based on additional time for Montana-Dakota/Great Plains on social media updates & Credit Dept. responsibilities
  - o Supervisor, Team Lead, and Support Staff
    - Equal portion allocated to each brand
    - For portion allocated to Montana-Dakota/Great Plains, if there is involvement with non-utility work allocate 1% (including 0.25% for GPNG) to non-utility, based on historical estimates, with remainder allocated to gas and electric based on meter count.
    - For portion allocated to Montana-Dakota/Great Plains, if there is no involvement with non-utility work, allocated to gas and electric based on meter count.
- Note: Exceptions may be made on an individual basis from these guidelines
  - Employees may be assigned special projects, and allocation methodology may be changed accordingly.
  - Labor allocation may always be made on an actual time spent basis rather than these guidelines.
  - o Supervisors may alter these guidelines based on their individual scenario.