

29.5 Carlton Volumes Subject to Flow Obligations

Schedule No. 1A

**NORTHERN NATURAL GAS COMPANY
 MARKET AREA ENTITLEMENT - 1996
 CARLTON VOLUMES SUBJECT TO FLOW OBLIGATIONS
 FOR 2023/2024 HEATING SEASON**

| Company | Market Area Adjusted Peak Day Entitlement | "Sourcer" New Carlton Resolution Obligation 1/ | Other Carlton Obligation | Total Carlton Flow Obligation |
|---|---|--|--------------------------|-------------------------------|
| Al-Corn Clean Fuel | 0 | 0 | 90 | 90 |
| Archer Daniels Midland Company | 7,000 | 554 | | 554 |
| Austin Utilities | 12,100 | 958 | | 958 |
| Black Hills Service Company, LLC | 186,589 | 14,749 | 957 | 15,706 |
| Black Hills Energy Services Company 2/ | | 11 | | 11 |
| Symmetry Energy Solutions, LLC. (MN) 2/ | | 2 | | 2 |
| Vista Energy Marketing, LP 2/ | | 3 | | 3 |
| Constellation Energy Generation, LLC 2/ | | 7 | | 7 |
| Cardinal FG Company | 7,116 | 563 | | 563 |
| Cargill, Incorporated | 12,375 | 979 | | 979 |
| Cedar Falls Utilities | 12,200 | 966 | | 966 |
| CenterPoint Energy Minnesota Gas | 823,855 | 65,223 | 227 | 65,450 |
| CF Industries Nitrogen, LLC | 27,000 | 2,138 | | 2,138 |
| Circle Pines Utilities | 2,675 | 212 | | 212 |
| City of Duluth, MN | 31,925 | 2,526 | | 2,526 |
| City of Everly | 250 | 20 | | 20 |
| City of Fairbank, IA | 450 | 36 | | 36 |
| City of Fremont, NE | 10,000 | 792 | | 792 |
| City of Ponca, NE | 340 | 27 | | 27 |
| City of Two Harbors, MN | 2,430 | 192 | 25 | 217 |
| City of Virginia, MN | 2,346 | 186 | 123 | 309 |
| Cleveland-Cliffs Inc. | 0 | 0 | 3,357 | 3,357 |
| Community Utility Company | 900 | 71 | | 71 |
| Flint Hills Resources, LP | 35,000 | 2,771 | | 2,771 |
| Great Plains Natural Gas Co. | 21,764 | 1,723 | 6 | 1,729 |
| Hibbing Public Utilities Commission | 3,068 | 243 | 10 | 253 |
| Hutchinson Utility Commission | 1,911 | 150 | | 150 |
| Interstate Power and Light Company | 174,446 | 13,810 | | 13,810 |
| Jo-Carroll Energy, Inc. (NFP) | 3,100 | 245 | | 245 |

1/ Reflects obligation after Appendix B customers' election to source or buyout.

2/ Shipper acquired capacity and sourcing obligation from Black Hills Service Company, LLC.

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| Company | Market Area Adjusted Peak Day Entitlement | "Sourcer" New Carlton Resolution Obligation 1/ | Other Carlton Obligation | Total Carlton Flow Obligation |
|---|--|---|---------------------------------|--------------------------------------|
| Madison Gas and Electric Company | 56,219 | 4,450 | | 4,450 |
| Metropolitan Utilities District | 179,500 | 14,211 | | 14,211 |
| MidAmerican Energy Company | 390,119 | 30,884 | | 30,884 |
| MidAmerican Energy Services, LLC | 10,000 | 792 | | 792 |
| Midwest Natural Gas, Inc. | 13,839 | 1,095 | | 1,095 |
| Minnesota Energy Resources Corporation | 163,705 | 12,960 | | 12,960 |
| Minnesota Mining & Manufacturing Co | 400 | 32 | | 32 |
| National Public Gas Agency | 900 | 70 | | 70 |
| New Ulm Public Utilities Commission | 637 | 50 | | 50 |
| Nicor Gas Company | 186,058 | 14,731 | | 14,731 |
| Northern States Power Company-MN | 361,740 | 28,637 | 2,402 | 31,039 |
| Northern States Power Company-WI | 62,970 | 4,986 | 1,585 | 6,571 |
| Northwest Natural Gas LLC | 2,675 | 212 | | 212 |
| Northwestern Corporation | 49,283 | 3,902 | | 3,902 |
| Osage Municipal Utilities | 1,500 | 119 | | 119 |
| Owatonna Public Utilities | 10,001 | 792 | | 792 |
| Rock Energy Cooperative | 2,480 | 196 | | 196 |
| Semco Energy, Inc d/b/a/ Semco Energy Gas | 45,917 | 3,635 | | 3,635 |
| Sheehan's Gas Company | 1,584 | 125 | | 125 |
| St Croix Valley Natural Gas | 6,839 | 541 | 57 | 598 |
| Superior Water Light & Power | 12,813 | 1,014 | 218 | 1,232 |
| United States Gypsum Company | 0 | 0 | 485 | 485 |
| United States Steel Corporation | 0 | 0 | 448 | 448 |
| Viroqua Gas Company, a division of Madison Gas and Electric Company | 2,389 | 189 | | 189 |
| Wisconsin Gas LLC | 109,050 | 8,633 | 1,138 | 9,771 |
| Wisconsin Power and Light Company | 67,576 | 5,351 | | 5,351 |
| World Fuel Services, Inc. | 2,650 | 210 | | 210 |
| | | | | |
| TOTAL UNITS FOR ACTIVE SOURCERS | 3,119,684 | 246,974 | 11,128 | 258,102 |
| ENTITLEMENT OF SOURCERS WHO LEFT NORTHERN'S SYSTEM | 38,166 | | | |
| TOTAL UNITS | 3,157,850 | | | |

1/ Reflects obligation after Appendix B customers' election to source or buyout.