

SCHEDULE NO. 1A

NORTHERN NATURAL GAS COMPANY
 MARKET AREA ENTITLEMENT - 1996
 CARLTON VOLUMES SUBJECT TO FLOW OBLIGATIONS
 FOR 2017/2018 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	550		550
Austin Utilities	12,100	952		952
Black Hills Gas Distribution, LLC	292	23		
Black Hills Energy Services Company 2/ Vista Energy Marketing, LP 2/ CNE Gas Supply, LLC 2/				14 1 8
Black Hills Utility Holdings, Inc.	186,297	14,651	957	15,608
Cardinal IG	7,116	559		559
Cargill, Incorporated	12,375	973		973
Cascade Municipal Utilities	1,050	82		82
Cedar Falls Utilities	12,200	959		959
CenterPoint Energy Minnesota Gas	789,735	62,107	227	62,334
CF Industries Nitrogen, LLC	27,000	2,123		2,123
Circle Pines Utilities	2,675	211		211
City of Duluth, MN	31,925	2,510		2,510
City of Everly	250	20		20
City of Fairbank, IA	450	35		35
City of Fremont, NE	10,000	786		786
City of Gilmore, IA	275	22		22
City of Hartley, IA	1,050	83		83
City of Hawarden, IA	1,803	142		142
City of Ponca, NE	340	27		27
City of Rolfe, IA	450	36		36
City of Round Lake, MN	125	10		10
City of Sac City, IA	1,200	94		94
City of Sanborn, IA	956	75		75
City of Sioux Center	1,800	141		141
City of Two Harbors, MN	2,430	191	25	216
City of Virginia, MN	2,346	184	123	307
City of Waukeg	700	55		55
City of West Bend, IA	900	70		70
City of Whittemore, IA	475	37		37
Cliffs Natural Resources, Inc.	0	0	3,357	3,357
Coon Rapids Municipal Utilities	860	68		68
Emmetsburg Municipal Gas Works	2,516	198		198
Flint Hills Resources, LP	35,000	2,752		2,752
Graettinger Municipal Gas	541	43		43
Great Plains Natural Gas Co.	21,764	1,713	6	1,719
Harlan Municipal Utilities	2,610	205		205
Hibbing Public Utilities Commission	3,068	241	10	251
Hutchinson Utility Commission	1,911	150		150
Interstate Power and Light Company	174,446	13,718		13,718
Jo-Carroll Energy, Inc. (NFP)	3,100	244		244
Lake Park Municipal Utilities	450	35		35
LSP Cottage Grove, L.P.	34,120	2,683		2,683

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

2/ Shipper acquired capacity and sourcing obligation from Black Hills Gas Distribution, LLC.