

A-1 Adder and Daily Rate Ta (2)

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

February 01, 2019

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ 0.0910	\$ 0.0910	\$ 0.0910	\$ 0.0910
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ 0.0228	\$ 0.0228	\$ 0.0455
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0420
Variable Transportation, Fuel and Surcharges		\$ 0.0022	\$ 0.0022	\$ 0.0022	\$ 0.0022
Total Gas Costs Adder before Margin		\$ 0.0022	\$ 0.0250	\$ 0.0250	\$ 0.0897
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0022	\$ 0.0250	\$ 0.0250	\$ 0.1100

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for February 01, 2019 Plus adder	\$ 0.2775	\$ 0.2797	\$ 0.3025	\$ 0.3025	\$ 0.3875
Selected Market Index for February 02, 2019 Plus adder	\$ 0.2510	\$ 0.2532	\$ 0.2760	\$ 0.2760	\$ 0.3610
Selected Market Index for February 03, 2019 Plus adder	\$ 0.2510	\$ 0.2532	\$ 0.2760	\$ 0.2760	\$ 0.3610
Selected Market Index for February 04, 2019 Plus adder	\$ 0.2510	\$ 0.2532	\$ 0.2760	\$ 0.2760	\$ 0.3610
Selected Market Index for February 05, 2019 Plus adder	\$ 0.2520	\$ 0.2542	\$ 0.2770	\$ 0.2770	\$ 0.3620
Selected Market Index for February 06, 2019 Plus adder	\$ 0.2520	\$ 0.2542	\$ 0.2770	\$ 0.2770	\$ 0.3620
Selected Market Index for February 07, 2019 Plus adder	\$ 0.2575	\$ 0.2597	\$ 0.2825	\$ 0.2825	\$ 0.3675
Selected Market Index for February 08, 2019 Plus adder	\$ 0.2650	\$ 0.2672	\$ 0.2900	\$ 0.2900	\$ 0.3750
Selected Market Index for February 09, 2019 Plus adder	\$ 0.2540	\$ 0.2562	\$ 0.2790	\$ 0.2790	\$ 0.3640
Selected Market Index for February 10, 2019 Plus adder	\$ 0.2540	\$ 0.2562	\$ 0.2790	\$ 0.2790	\$ 0.3640
Selected Market Index for February 11, 2019 Plus adder	\$ 0.2540	\$ 0.2562	\$ 0.2790	\$ 0.2790	\$ 0.3640
Selected Market Index for February 12, 2019 Plus adder	\$ 0.2625	\$ 0.2647	\$ 0.2875	\$ 0.2875	\$ 0.3725
Selected Market Index for February 13, 2019 Plus adder	\$ 0.2625	\$ 0.2647	\$ 0.2875	\$ 0.2875	\$ 0.3725
Selected Market Index for February 14, 2019 Plus adder	\$ 0.2570	\$ 0.2592	\$ 0.2820	\$ 0.2820	\$ 0.3670
Selected Market Index for February 15, 2019 Plus adder	\$ 0.2595	\$ 0.2617	\$ 0.2845	\$ 0.2845	\$ 0.3695
Selected Market Index for February 16, 2019 Plus adder	\$ 0.2590	\$ 0.2612	\$ 0.2840	\$ 0.2840	\$ 0.3690
Selected Market Index for February 17, 2019 Plus adder	\$ 0.2590	\$ 0.2612	\$ 0.2840	\$ 0.2840	\$ 0.3690
Selected Market Index for February 18, 2019 Plus adder	\$ 0.2590	\$ 0.2612	\$ 0.2840	\$ 0.2840	\$ 0.3690
Selected Market Index for February 19, 2019 Plus adder	\$ 0.2590	\$ 0.2612	\$ 0.2840	\$ 0.2840	\$ 0.3690
Selected Market Index for February 20, 2019 Plus adder	\$ 0.2695	\$ 0.2717	\$ 0.2945	\$ 0.2945	\$ 0.3795
Selected Market Index for February 21, 2019 Plus adder	\$ 0.2680	\$ 0.2702	\$ 0.2930	\$ 0.2930	\$ 0.3780
Selected Market Index for February 22, 2019 Plus adder	\$ 0.2690	\$ 0.2712	\$ 0.2940	\$ 0.2940	\$ 0.3790
Selected Market Index for February 23, 2019 Plus adder	\$ 0.2710	\$ 0.2732	\$ 0.2960	\$ 0.2960	\$ 0.3810
Selected Market Index for February 24, 2019 Plus adder	\$ 0.2710	\$ 0.2732	\$ 0.2960	\$ 0.2960	\$ 0.3810
Selected Market Index for February 25, 2019 Plus adder	\$ 0.2710	\$ 0.2732	\$ 0.2960	\$ 0.2960	\$ 0.3810
Selected Market Index for February 26, 2019 Plus adder	\$ 0.2935	\$ 0.2957	\$ 0.3185	\$ 0.3185	\$ 0.4035
Selected Market Index for February 27, 2019 Plus adder	\$ 0.3000	\$ 0.3022	\$ 0.3250	\$ 0.3250	\$ 0.4100
Selected Market Index for February 28, 2019 Plus adder	\$ 0.2945	\$ 0.2967	\$ 0.3195	\$ 0.3195	\$ 0.4045

A-1 Adder and Daily Rate Table

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

January 01, 2019

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ 0.0910	\$ 0.0910	\$ 0.0910	\$ 0.0910
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ 0.0228	\$ 0.0228	\$ 0.0455
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0420
Variable Transportation, Fuel and Surcharges		\$ 0.0022	\$ 0.0022	\$ 0.0022	\$ 0.0022
Total Gas Costs Adder before Margin		\$ 0.0022	\$ 0.0250	\$ 0.0250	\$ 0.0897
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0022	\$ 0.0250	\$ 0.0250	\$ 0.1100

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for January 01, 2019 Plus adder	\$ 0.3075	\$ 0.3097	\$ 0.3325	\$ 0.3325	\$ 0.4175
Selected Market Index for January 02, 2019 Plus adder	\$ 0.3075	\$ 0.3097	\$ 0.3325	\$ 0.3325	\$ 0.4175
Selected Market Index for January 03, 2019 Plus adder	\$ 0.2640	\$ 0.2662	\$ 0.2890	\$ 0.2890	\$ 0.3740
Selected Market Index for January 04, 2019 Plus adder	\$ 0.2510	\$ 0.2532	\$ 0.2760	\$ 0.2760	\$ 0.3610
Selected Market Index for January 05, 2019 Plus adder	\$ 0.2615	\$ 0.2637	\$ 0.2865	\$ 0.2865	\$ 0.3715
Selected Market Index for January 06, 2019 Plus adder	\$ 0.2615	\$ 0.2637	\$ 0.2865	\$ 0.2865	\$ 0.3715
Selected Market Index for January 07, 2019 Plus adder	\$ 0.2615	\$ 0.2637	\$ 0.2865	\$ 0.2865	\$ 0.3715
Selected Market Index for January 08, 2019 Plus adder	\$ 0.2550	\$ 0.2572	\$ 0.2800	\$ 0.2800	\$ 0.3650
Selected Market Index for January 09, 2019 Plus adder	\$ 0.2735	\$ 0.2757	\$ 0.2985	\$ 0.2985	\$ 0.3835
Selected Market Index for January 10, 2019 Plus adder	\$ 0.2700	\$ 0.2722	\$ 0.2950	\$ 0.2950	\$ 0.3800
Selected Market Index for January 11, 2019 Plus adder	\$ 0.2710	\$ 0.2732	\$ 0.2960	\$ 0.2960	\$ 0.3810
Selected Market Index for January 12, 2019 Plus adder	\$ 0.2720	\$ 0.2742	\$ 0.2970	\$ 0.2970	\$ 0.3820
Selected Market Index for January 13, 2019 Plus adder	\$ 0.2720	\$ 0.2742	\$ 0.2970	\$ 0.2970	\$ 0.3820
Selected Market Index for January 14, 2019 Plus adder	\$ 0.2720	\$ 0.2742	\$ 0.2970	\$ 0.2970	\$ 0.3820
Selected Market Index for January 15, 2019 Plus adder	\$ 0.3280	\$ 0.3302	\$ 0.3530	\$ 0.3530	\$ 0.4380
Selected Market Index for January 16, 2019 Plus adder	\$ 0.3445	\$ 0.3467	\$ 0.3695	\$ 0.3695	\$ 0.4545
Selected Market Index for January 17, 2019 Plus adder	\$ 0.3515	\$ 0.3537	\$ 0.3765	\$ 0.3765	\$ 0.4615
Selected Market Index for January 18, 2019 Plus adder	\$ 0.3395	\$ 0.3417	\$ 0.3645	\$ 0.3645	\$ 0.4495
Selected Market Index for January 19, 2019 Plus adder	\$ 0.3260	\$ 0.3282	\$ 0.3510	\$ 0.3510	\$ 0.4360
Selected Market Index for January 20, 2019 Plus adder	\$ 0.3260	\$ 0.3282	\$ 0.3510	\$ 0.3510	\$ 0.4360
Selected Market Index for January 21, 2019 Plus adder	\$ 0.3260	\$ 0.3282	\$ 0.3510	\$ 0.3510	\$ 0.4360
Selected Market Index for January 22, 2019 Plus adder	\$ 0.3260	\$ 0.3282	\$ 0.3510	\$ 0.3510	\$ 0.4360
Selected Market Index for January 23, 2019 Plus adder	\$ 0.2965	\$ 0.2987	\$ 0.3215	\$ 0.3215	\$ 0.4065
Selected Market Index for January 24, 2019 Plus adder	\$ 0.3110	\$ 0.3132	\$ 0.3360	\$ 0.3360	\$ 0.4210
Selected Market Index for January 25, 2019 Plus adder	\$ 0.3150	\$ 0.3172	\$ 0.3400	\$ 0.3400	\$ 0.4250
Selected Market Index for January 26, 2019 Plus adder	\$ 0.3135	\$ 0.3157	\$ 0.3385	\$ 0.3385	\$ 0.4235
Selected Market Index for January 27, 2019 Plus adder	\$ 0.3135	\$ 0.3157	\$ 0.3385	\$ 0.3385	\$ 0.4235
Selected Market Index for January 28, 2019 Plus adder	\$ 0.3135	\$ 0.3157	\$ 0.3385	\$ 0.3385	\$ 0.4235
Selected Market Index for January 29, 2019 Plus adder	\$ 0.4140	\$ 0.4162	\$ 0.4390	\$ 0.4390	\$ 0.5240
Selected Market Index for January 30, 2019 Plus adder	\$ 0.7425	\$ 0.7447	\$ 0.7675	\$ 0.7675	\$ 0.8525
Selected Market Index for January 31, 2019 Plus adder	\$ 0.4995	\$ 0.5017	\$ 0.5245	\$ 0.5245	\$ 0.6095

A-1 Adder and Daily Rate Table

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

December 01, 2018

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ 0.0872	\$ 0.0872	\$ 0.0872	\$ 0.0872
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ 0.0218	\$ 0.0218	\$ 0.0436
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0420
Variable Transportation, Fuel and Surcharges		\$ 0.0022	\$ 0.0022	\$ 0.0022	\$ 0.0022
Total Gas Costs Adder before Margin		\$ 0.0022	\$ 0.0240	\$ 0.0240	\$ 0.0878
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0022	\$ 0.0240	\$ 0.0240	\$ 0.1081

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for December 01, 2018 Plus adder	\$ 0.4395	\$ 0.4417	\$ 0.4635	\$ 0.4635	\$ 0.5476
Selected Market Index for December 02, 2018 Plus adder	\$ 0.4395	\$ 0.4417	\$ 0.4635	\$ 0.4635	\$ 0.5476
Selected Market Index for December 03, 2018 Plus adder	\$ 0.4395	\$ 0.4417	\$ 0.4635	\$ 0.4635	\$ 0.5476
Selected Market Index for December 04, 2018 Plus adder	\$ 0.4395	\$ 0.4417	\$ 0.4635	\$ 0.4635	\$ 0.5476
Selected Market Index for December 05, 2018 Plus adder	\$ 0.4510	\$ 0.4532	\$ 0.4750	\$ 0.4750	\$ 0.5591
Selected Market Index for December 06, 2018 Plus adder	\$ 0.4475	\$ 0.4497	\$ 0.4715	\$ 0.4715	\$ 0.5556
Selected Market Index for December 07, 2018 Plus adder	\$ 0.4235	\$ 0.4257	\$ 0.4475	\$ 0.4475	\$ 0.5316
Selected Market Index for December 08, 2018 Plus adder	\$ 0.4315	\$ 0.4337	\$ 0.4555	\$ 0.4555	\$ 0.5396
Selected Market Index for December 09, 2018 Plus adder	\$ 0.4315	\$ 0.4337	\$ 0.4555	\$ 0.4555	\$ 0.5396
Selected Market Index for December 10, 2018 Plus adder	\$ 0.4315	\$ 0.4337	\$ 0.4555	\$ 0.4555	\$ 0.5396
Selected Market Index for December 11, 2018 Plus adder	\$ 0.4375	\$ 0.4397	\$ 0.4615	\$ 0.4615	\$ 0.5456
Selected Market Index for December 12, 2018 Plus adder	\$ 0.4270	\$ 0.4292	\$ 0.4510	\$ 0.4510	\$ 0.5351
Selected Market Index for December 13, 2018 Plus adder	\$ 0.3990	\$ 0.4012	\$ 0.4230	\$ 0.4230	\$ 0.5071
Selected Market Index for December 14, 2018 Plus adder	\$ 0.4065	\$ 0.4087	\$ 0.4305	\$ 0.4305	\$ 0.5146
Selected Market Index for December 15, 2018 Plus adder	\$ 0.3700	\$ 0.3722	\$ 0.3940	\$ 0.3940	\$ 0.4781
Selected Market Index for December 16, 2018 Plus adder	\$ 0.3700	\$ 0.3722	\$ 0.3940	\$ 0.3940	\$ 0.4781
Selected Market Index for December 17, 2018 Plus adder	\$ 0.3700	\$ 0.3722	\$ 0.3940	\$ 0.3940	\$ 0.4781
Selected Market Index for December 18, 2018 Plus adder	\$ 0.3390	\$ 0.3412	\$ 0.3630	\$ 0.3630	\$ 0.4471
Selected Market Index for December 19, 2018 Plus adder	\$ 0.3480	\$ 0.3502	\$ 0.3720	\$ 0.3720	\$ 0.4561
Selected Market Index for December 20, 2018 Plus adder	\$ 0.3310	\$ 0.3332	\$ 0.3550	\$ 0.3550	\$ 0.4391
Selected Market Index for December 21, 2018 Plus adder	\$ 0.3445	\$ 0.3467	\$ 0.3685	\$ 0.3685	\$ 0.4526
Selected Market Index for December 22, 2018 Plus adder	\$ 0.3250	\$ 0.3272	\$ 0.3490	\$ 0.3490	\$ 0.4331
Selected Market Index for December 23, 2018 Plus adder	\$ 0.3250	\$ 0.3272	\$ 0.3490	\$ 0.3490	\$ 0.4331
Selected Market Index for December 24, 2018 Plus adder	\$ 0.3250	\$ 0.3272	\$ 0.3490	\$ 0.3490	\$ 0.4331
Selected Market Index for December 25, 2018 Plus adder	\$ 0.3250	\$ 0.3272	\$ 0.3490	\$ 0.3490	\$ 0.4331
Selected Market Index for December 26, 2018 Plus adder	\$ 0.3250	\$ 0.3272	\$ 0.3490	\$ 0.3490	\$ 0.4331
Selected Market Index for December 27, 2018 Plus adder	\$ 0.2955	\$ 0.2977	\$ 0.3195	\$ 0.3195	\$ 0.4036
Selected Market Index for December 28, 2018 Plus adder	\$ 0.2990	\$ 0.3012	\$ 0.3230	\$ 0.3230	\$ 0.4071
Selected Market Index for December 29, 2018 Plus adder	\$ 0.2990	\$ 0.3012	\$ 0.3230	\$ 0.3230	\$ 0.4071
Selected Market Index for December 30, 2018 Plus adder	\$ 0.2990	\$ 0.3012	\$ 0.3230	\$ 0.3230	\$ 0.4071
Selected Market Index for December 31, 2018 Plus adder	\$ 0.2990	\$ 0.3012	\$ 0.3230	\$ 0.3230	\$ 0.4071

A-1 Adder and Daily Rate Table

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

November 01, 2018

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ 0.0872	\$ 0.0872	\$ 0.0872	\$ 0.0872
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ 0.0218	\$ 0.0218	\$ 0.0436
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0415
Variable Transportation, Fuel and Surcharges		\$ 0.0022	\$ 0.0022	\$ 0.0022	\$ 0.0022
Total Gas Costs Adder before Margin		\$ 0.0022	\$ 0.0240	\$ 0.0240	\$ 0.0873
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0022	\$ 0.0240	\$ 0.0240	\$ 0.1076

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for November 01, 2018 Plus adder	\$ 0.3105	\$ 0.3127	\$ 0.3345	\$ 0.3345	\$ 0.4181
Selected Market Index for November 02, 2018 Plus adder	\$ 0.3170	\$ 0.3192	\$ 0.3410	\$ 0.3410	\$ 0.4246
Selected Market Index for November 03, 2018 Plus adder	\$ 0.3120	\$ 0.3142	\$ 0.3360	\$ 0.3360	\$ 0.4196
Selected Market Index for November 04, 2018 Plus adder	\$ 0.3120	\$ 0.3142	\$ 0.3360	\$ 0.3360	\$ 0.4196
Selected Market Index for November 05, 2018 Plus adder	\$ 0.3120	\$ 0.3142	\$ 0.3360	\$ 0.3360	\$ 0.4196
Selected Market Index for November 06, 2018 Plus adder	\$ 0.3560	\$ 0.3582	\$ 0.3800	\$ 0.3800	\$ 0.4636
Selected Market Index for November 07, 2018 Plus adder	\$ 0.3710	\$ 0.3732	\$ 0.3950	\$ 0.3950	\$ 0.4786
Selected Market Index for November 08, 2018 Plus adder	\$ 0.3680	\$ 0.3702	\$ 0.3920	\$ 0.3920	\$ 0.4756
Selected Market Index for November 09, 2018 Plus adder	\$ 0.3765	\$ 0.3787	\$ 0.4005	\$ 0.4005	\$ 0.4841
Selected Market Index for November 10, 2018 Plus adder	\$ 0.3915	\$ 0.3937	\$ 0.4155	\$ 0.4155	\$ 0.4991
Selected Market Index for November 11, 2018 Plus adder	\$ 0.3915	\$ 0.3937	\$ 0.4155	\$ 0.4155	\$ 0.4991
Selected Market Index for November 12, 2018 Plus adder	\$ 0.3915	\$ 0.3937	\$ 0.4155	\$ 0.4155	\$ 0.4991
Selected Market Index for November 13, 2018 Plus adder	\$ 0.4040	\$ 0.4062	\$ 0.4280	\$ 0.4280	\$ 0.5116
Selected Market Index for November 14, 2018 Plus adder	\$ 0.4060	\$ 0.4082	\$ 0.4300	\$ 0.4300	\$ 0.5136
Selected Market Index for November 15, 2018 Plus adder	\$ 0.4610	\$ 0.4632	\$ 0.4850	\$ 0.4850	\$ 0.5686
Selected Market Index for November 16, 2018 Plus adder	\$ 0.4470	\$ 0.4492	\$ 0.4710	\$ 0.4710	\$ 0.5546
Selected Market Index for November 17, 2018 Plus adder	\$ 0.4240	\$ 0.4262	\$ 0.4480	\$ 0.4480	\$ 0.5316
Selected Market Index for November 18, 2018 Plus adder	\$ 0.4240	\$ 0.4262	\$ 0.4480	\$ 0.4480	\$ 0.5316
Selected Market Index for November 19, 2018 Plus adder	\$ 0.4240	\$ 0.4262	\$ 0.4480	\$ 0.4480	\$ 0.5316
Selected Market Index for November 20, 2018 Plus adder	\$ 0.4615	\$ 0.4637	\$ 0.4855	\$ 0.4855	\$ 0.5691
Selected Market Index for November 21, 2018 Plus adder	\$ 0.4660	\$ 0.4682	\$ 0.4900	\$ 0.4900	\$ 0.5736
Selected Market Index for November 22, 2018 Plus adder	\$ 0.4600	\$ 0.4622	\$ 0.4840	\$ 0.4840	\$ 0.5676
Selected Market Index for November 23, 2018 Plus adder	\$ 0.4600	\$ 0.4622	\$ 0.4840	\$ 0.4840	\$ 0.5676
Selected Market Index for November 24, 2018 Plus adder	\$ 0.4600	\$ 0.4622	\$ 0.4840	\$ 0.4840	\$ 0.5676
Selected Market Index for November 25, 2018 Plus adder	\$ 0.4600	\$ 0.4622	\$ 0.4840	\$ 0.4840	\$ 0.5676
Selected Market Index for November 26, 2018 Plus adder	\$ 0.4600	\$ 0.4622	\$ 0.4840	\$ 0.4840	\$ 0.5676
Selected Market Index for November 27, 2018 Plus adder	\$ 0.4385	\$ 0.4407	\$ 0.4625	\$ 0.4625	\$ 0.5461
Selected Market Index for November 28, 2018 Plus adder	\$ 0.4285	\$ 0.4307	\$ 0.4525	\$ 0.4525	\$ 0.5361
Selected Market Index for November 29, 2018 Plus adder	\$ 0.4405	\$ 0.4427	\$ 0.4645	\$ 0.4645	\$ 0.5481
Selected Market Index for November 30, 2018 Plus adder	\$ 0.4450	\$ 0.4472	\$ 0.4690	\$ 0.4690	\$ 0.5526

A-1 Adder and Daily Rate Table

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

October 01, 2018

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ -	\$ -	\$ -	\$ -
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ -	\$ -	\$ -
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0394
Variable Transportation, Fuel and Surcharges		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0014
Total Gas Costs Adder before Margin		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0408
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0611

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for October 01, 2018 Plus adder	\$ 0.2835	\$ 0.2849	\$ 0.2849	\$ 0.2849	\$ 0.3446
Selected Market Index for October 02, 2018 Plus adder	\$ 0.2905	\$ 0.2919	\$ 0.2919	\$ 0.2919	\$ 0.3516
Selected Market Index for October 03, 2018 Plus adder	\$ 0.2995	\$ 0.3009	\$ 0.3009	\$ 0.3009	\$ 0.3606
Selected Market Index for October 04, 2018 Plus adder	\$ 0.3175	\$ 0.3189	\$ 0.3189	\$ 0.3189	\$ 0.3786
Selected Market Index for October 05, 2018 Plus adder	\$ 0.3030	\$ 0.3044	\$ 0.3044	\$ 0.3044	\$ 0.3641
Selected Market Index for October 06, 2018 Plus adder	\$ 0.2895	\$ 0.2909	\$ 0.2909	\$ 0.2909	\$ 0.3506
Selected Market Index for October 07, 2018 Plus adder	\$ 0.2895	\$ 0.2909	\$ 0.2909	\$ 0.2909	\$ 0.3506
Selected Market Index for October 08, 2018 Plus adder	\$ 0.2895	\$ 0.2909	\$ 0.2909	\$ 0.2909	\$ 0.3506
Selected Market Index for October 09, 2018 Plus adder	\$ 0.3155	\$ 0.3169	\$ 0.3169	\$ 0.3169	\$ 0.3766
Selected Market Index for October 10, 2018 Plus adder	\$ 0.3270	\$ 0.3284	\$ 0.3284	\$ 0.3284	\$ 0.3881
Selected Market Index for October 11, 2018 Plus adder	\$ 0.3370	\$ 0.3384	\$ 0.3384	\$ 0.3384	\$ 0.3981
Selected Market Index for October 12, 2018 Plus adder	\$ 0.3240	\$ 0.3254	\$ 0.3254	\$ 0.3254	\$ 0.3851
Selected Market Index for October 13, 2018 Plus adder	\$ 0.3185	\$ 0.3199	\$ 0.3199	\$ 0.3199	\$ 0.3796
Selected Market Index for October 14, 2018 Plus adder	\$ 0.3185	\$ 0.3199	\$ 0.3199	\$ 0.3199	\$ 0.3796
Selected Market Index for October 15, 2018 Plus adder	\$ 0.3185	\$ 0.3199	\$ 0.3199	\$ 0.3199	\$ 0.3796
Selected Market Index for October 16, 2018 Plus adder	\$ 0.3290	\$ 0.3304	\$ 0.3304	\$ 0.3304	\$ 0.3901
Selected Market Index for October 17, 2018 Plus adder	\$ 0.3390	\$ 0.3404	\$ 0.3404	\$ 0.3404	\$ 0.4001
Selected Market Index for October 18, 2018 Plus adder	\$ 0.3410	\$ 0.3424	\$ 0.3424	\$ 0.3424	\$ 0.4021
Selected Market Index for October 19, 2018 Plus adder	\$ 0.3300	\$ 0.3314	\$ 0.3314	\$ 0.3314	\$ 0.3911
Selected Market Index for October 20, 2018 Plus adder	\$ 0.3330	\$ 0.3344	\$ 0.3344	\$ 0.3344	\$ 0.3941
Selected Market Index for October 21, 2018 Plus adder	\$ 0.3330	\$ 0.3344	\$ 0.3344	\$ 0.3344	\$ 0.3941
Selected Market Index for October 22, 2018 Plus adder	\$ 0.3330	\$ 0.3344	\$ 0.3344	\$ 0.3344	\$ 0.3941
Selected Market Index for October 23, 2018 Plus adder	\$ 0.3430	\$ 0.3444	\$ 0.3444	\$ 0.3444	\$ 0.4041
Selected Market Index for October 24, 2018 Plus adder	\$ 0.3485	\$ 0.3499	\$ 0.3499	\$ 0.3499	\$ 0.4096
Selected Market Index for October 25, 2018 Plus adder	\$ 0.3530	\$ 0.3544	\$ 0.3544	\$ 0.3544	\$ 0.4141
Selected Market Index for October 26, 2018 Plus adder	\$ 0.3400	\$ 0.3414	\$ 0.3414	\$ 0.3414	\$ 0.4011
Selected Market Index for October 27, 2018 Plus adder	\$ 0.3285	\$ 0.3299	\$ 0.3299	\$ 0.3299	\$ 0.3896
Selected Market Index for October 28, 2018 Plus adder	\$ 0.3285	\$ 0.3299	\$ 0.3299	\$ 0.3299	\$ 0.3896
Selected Market Index for October 29, 2018 Plus adder	\$ 0.3285	\$ 0.3299	\$ 0.3299	\$ 0.3299	\$ 0.3896
Selected Market Index for October 30, 2018 Plus adder	\$ 0.3170	\$ 0.3184	\$ 0.3184	\$ 0.3184	\$ 0.3781
Selected Market Index for October 31, 2018 Plus adder	\$ 0.3180	\$ 0.3194	\$ 0.3194	\$ 0.3194	\$ 0.3791

A-1 Adder and Daily Rate Table

Wisconsin Electric - Gas Operations
 Purchased Gas Cost Adjustment Calculation
 Calculation of Overtake/Undertake Tables
 Effective for the period beginning:

Schedule A-1

September 01, 2018

Adders to Selected Market Index	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Peak Demand Effective Rate		\$ -	\$ -	\$ -	\$ -
Peak Demand Cashout %		0.00%	25.00%	25.00%	50.00%
Peak Demand Effective Rate for Cashout		\$ -	\$ -	\$ -	\$ -
Annual Demand Effective Rate		\$ -	\$ -	\$ -	\$ 0.0394
Variable Transportation, Fuel and Surcharges		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0014
Total Gas Costs Adder before Margin		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0408
Average Competitive Supply Margin		\$ -	\$ -	\$ -	\$ 0.0181
Average Peak Day Margin		\$ -	\$ -	\$ -	\$ 0.0022
Total Cashout Adder to Selected Market Index		\$ 0.0014	\$ 0.0014	\$ 0.0014	\$ 0.0611

Cashout Rates Calculation	Selected Market Index	Undertake Pricing		Overtake Pricing	
		Tier 2	Tier 1	Tier 1	Tier 2
Selected Market Index for September 01, 2018 Plus adder	\$ 0.2815	\$ 0.2829	\$ 0.2829	\$ 0.2829	\$ 0.3426
Selected Market Index for September 02, 2018 Plus adder	\$ 0.2815	\$ 0.2829	\$ 0.2829	\$ 0.2829	\$ 0.3426
Selected Market Index for September 03, 2018 Plus adder	\$ 0.2815	\$ 0.2829	\$ 0.2829	\$ 0.2829	\$ 0.3426
Selected Market Index for September 04, 2018 Plus adder	\$ 0.2815	\$ 0.2829	\$ 0.2829	\$ 0.2829	\$ 0.3426
Selected Market Index for September 05, 2018 Plus adder	\$ 0.2890	\$ 0.2904	\$ 0.2904	\$ 0.2904	\$ 0.3501
Selected Market Index for September 06, 2018 Plus adder	\$ 0.2870	\$ 0.2884	\$ 0.2884	\$ 0.2884	\$ 0.3481
Selected Market Index for September 07, 2018 Plus adder	\$ 0.2765	\$ 0.2779	\$ 0.2779	\$ 0.2779	\$ 0.3376
Selected Market Index for September 08, 2018 Plus adder	\$ 0.2695	\$ 0.2709	\$ 0.2709	\$ 0.2709	\$ 0.3306
Selected Market Index for September 09, 2018 Plus adder	\$ 0.2695	\$ 0.2709	\$ 0.2709	\$ 0.2709	\$ 0.3306
Selected Market Index for September 10, 2018 Plus adder	\$ 0.2695	\$ 0.2709	\$ 0.2709	\$ 0.2709	\$ 0.3306
Selected Market Index for September 11, 2018 Plus adder	\$ 0.2670	\$ 0.2684	\$ 0.2684	\$ 0.2684	\$ 0.3281
Selected Market Index for September 12, 2018 Plus adder	\$ 0.2645	\$ 0.2659	\$ 0.2659	\$ 0.2659	\$ 0.3256
Selected Market Index for September 13, 2018 Plus adder	\$ 0.2715	\$ 0.2729	\$ 0.2729	\$ 0.2729	\$ 0.3326
Selected Market Index for September 14, 2018 Plus adder	\$ 0.2765	\$ 0.2779	\$ 0.2779	\$ 0.2779	\$ 0.3376
Selected Market Index for September 15, 2018 Plus adder	\$ 0.2700	\$ 0.2714	\$ 0.2714	\$ 0.2714	\$ 0.3311
Selected Market Index for September 16, 2018 Plus adder	\$ 0.2700	\$ 0.2714	\$ 0.2714	\$ 0.2714	\$ 0.3311
Selected Market Index for September 17, 2018 Plus adder	\$ 0.2700	\$ 0.2714	\$ 0.2714	\$ 0.2714	\$ 0.3311
Selected Market Index for September 18, 2018 Plus adder	\$ 0.2890	\$ 0.2904	\$ 0.2904	\$ 0.2904	\$ 0.3501
Selected Market Index for September 19, 2018 Plus adder	\$ 0.2965	\$ 0.2979	\$ 0.2979	\$ 0.2979	\$ 0.3576
Selected Market Index for September 20, 2018 Plus adder	\$ 0.3000	\$ 0.3014	\$ 0.3014	\$ 0.3014	\$ 0.3611
Selected Market Index for September 21, 2018 Plus adder	\$ 0.2830	\$ 0.2844	\$ 0.2844	\$ 0.2844	\$ 0.3441
Selected Market Index for September 22, 2018 Plus adder	\$ 0.2845	\$ 0.2859	\$ 0.2859	\$ 0.2859	\$ 0.3456
Selected Market Index for September 23, 2018 Plus adder	\$ 0.2845	\$ 0.2859	\$ 0.2859	\$ 0.2859	\$ 0.3456
Selected Market Index for September 24, 2018 Plus adder	\$ 0.2845	\$ 0.2859	\$ 0.2859	\$ 0.2859	\$ 0.3456
Selected Market Index for September 25, 2018 Plus adder	\$ 0.2855	\$ 0.2869	\$ 0.2869	\$ 0.2869	\$ 0.3466
Selected Market Index for September 26, 2018 Plus adder	\$ 0.2900	\$ 0.2914	\$ 0.2914	\$ 0.2914	\$ 0.3511
Selected Market Index for September 27, 2018 Plus adder	\$ 0.2890	\$ 0.2904	\$ 0.2904	\$ 0.2904	\$ 0.3501
Selected Market Index for September 28, 2018 Plus adder	\$ 0.2855	\$ 0.2869	\$ 0.2869	\$ 0.2869	\$ 0.3466
Selected Market Index for September 29, 2018 Plus adder	\$ 0.2855	\$ 0.2869	\$ 0.2869	\$ 0.2869	\$ 0.3466
Selected Market Index for September 30, 2018 Plus adder	\$ 0.2855	\$ 0.2869	\$ 0.2869	\$ 0.2869	\$ 0.3466