APPENDIX C
RATE ANALYSIS

Preferred Plan Rate Impact Analysis

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
GENERATION															
Fuel	$405,277	$473,100	$471,587	$526,826	$559,204	$527,543	$494,463	$549,412	$582,715	$591,861	$600,275	$629,069	$637,758	$693,858	$698,771
O&M	$530,690	$557,371	$553,427	$597,799	$609,175	$604,558	$614,519	$717,193	$683,580	$726,796	$804,092	$803,859	$822,691	$931,781	$914,571
Purchased Power	$341,142	$356,818	$359,736	$367,121	$368,375	$371,151	$370,649	$376,029	$372,766	$380,864	$370,721	$385,055	$392,211	$438,347	$459,189
PPA Wind	$108,289	$133,927	$137,173	$162,015	$194,621	$224,073	$220,427	$251,863	$248,554	$278,352	$272,060	$262,320	$297,770	$291,945	$287,830
Owned Wind	$0	$58,642	$113,426	$165,738	$185,214	$205,015	$258,475	$278,154	$333,015	$353,128	$410,982	$467,593	$486,764	$466,809	$489,892
PTC	$0	($16,630)	($33,086)	($51,932)	($69,526)	($85,466)	($104,216)	($124,578)	($126,035)	($127,510)	($129,002)	($111,830)	($94,870)	($75,244)	($57,043)
Depreciation & Return on Rate Base	$546,007	$596,429	$609,294	$663,847	$757,418	$807,805	$756,243	$805,525	$757,326	$710,300	$744,304	$696,736	$649,926	$638,165	$716,116
NSPW Prod Fixed Cost	$24,099	$22,492	$20,886	$19,279	$17,673	$16,066	$14,459	$12,853	$11,246	$9,640	$8,033	$6,426	$4,820	$4,821	$4,822
Effluent	($28,163)	($34,947)	($14,335)	($18,933)	($27,749)	($29,549)	($29,338)	($21,063)	($25,055)	($25,248)	($17,326)	($19,935)	($20,363)	($20,588)	($24,048)
DSM	47,002	48,350	59,498	61,891	64,314	66,727	69,136	71,575	74,073	76,671	79,379	82,214	85,156	85,157	85,158
Margins	($47,184)	($22,779)	($21,177)	($39,951)	($47,724)	($39,496)	($57,732)	($83,217)	($104,818)	($108,117)	($107,275)	($118,873)	($140,866)	($47,184)	($47,184)
Total Gen Rev Req	$1,927,158	$2,172,773	$2,256,429	$2,453,699	$2,610,994	$2,668,427	$2,607,084	$2,833,745	$2,807,365	$2,866,737	$3,036,244	$3,082,635	$3,120,995	$3,407,866	$3,528,075
Annual Sales	37,726,342	38,139,714	38,735,506	39,265,066	39,758,021	40,221,329	40,684,143	41,159,030	41,665,417	42,176,904	42,718,209	43,256,754	43,793,364	43,793,365	43,793,366
Average $/KWH	0.051	0.057	0.058	0.062	0.066	0.066	0.064	0.069	0.067	0.068	0.071	0.071	0.071	0.078	0.081
Growth Rate		11.52%	2.25%	7.28%	5.09%	1.02%	-3.41%	7.44%	-2.13%	0.88%	4.57%	0.26%	0.00%	9.19%	3.53%
Average Compound Growth Rate 2008-2022			**3.31%**												
Average Compound Growth Rate 2009-2022			**2.70%**												
TRANSMISSION AND DISTRIBUTION															
Transmission															
Depreciation & Return on Rate Base	$158,690	$178,731	$193,819	$227,954	$272,652	$292,982	$313,344	$333,736	$354,159	$374,615	$395,104	$415,626	$436,182	$464,155	$492,163
O&M	$237,620	$244,273	$251,112	$258,144	$265,372	$272,802	$280,441	$288,293	$296,365	$304,663	$313,194	$321,963	$330,978	$339,993	$349,008
NSPW Fixed Cost	$40,737	$41,959	$43,218	$44,514	$45,850	$47,225	$48,642	$50,101	$51,604	$53,153	$54,747	$56,390	$58,081	$58,082	$58,083
TOTAL	$437,047	$464,963	$488,149	$530,612	$583,873	$613,010	$642,426	$672,130	$702,129	$732,431	$763,045	$793,978	$825,241	$862,230	$899,255
Distribution															
Depreciation & Return on Rate Base	$277,399	$300,577	$302,565	$304,865	$307,487	$310,442	$313,739	$317,390	$321,405	$325,797	$330,577	$335,757	$341,350	$367,471	$394,032
O&M	$98,200	$100,947	$103,771	$106,674	$109,658	$112,726	$115,880	$119,121	$122,454	$125,879	$129,401	$133,021	$136,742	$140,463	$144,185
TOTAL	$375,599	$401,524	$406,336	$411,539	$417,146	$423,168	$429,619	$436,511	$443,859	$451,677	$459,978	$468,778	$478,092	$507,934	$538,216
Total T&D Rev Req	$812,645	$866,487	$894,485	$942,151	$1,001,019	$1,036,178	$1,072,045	$1,108,641	$1,145,988	$1,184,107	$1,223,022	$1,262,756	$1,303,333	$1,370,165	$1,437,471
Annual Sales	37,726,342	38,139,714	38,735,506	39,265,066	39,758,021	40,221,329	40,684,143	41,159,030	41,665,417	42,176,904	42,718,209	43,256,754	43,793,364	43,793,365	43,793,366
Average $/Kwh	0.022	0.023	0.023	0.024	0.025	0.026	0.026	0.027	0.028	0.028	0.029	0.029	0.030	0.031	0.033
Growth Rate		5.47%	1.64%	3.91%	4.93%	2.32%	2.28%	2.22%	2.11%	2.07%	1.98%	1.96%	1.95%	5.13%	4.91%
Average Compound Growth Rate 2008-2022			**3.05%**												
Average Compound Growth Rate 2009-2022			**2.87%**												
ADMINISTATION AND OTHER															
Other O&M	318,691	327,615	336,788	346,218	355,912	365,878	376,122	386,654	397,480	408,609	420,050	431,812	443,902	456,332	469,109
Revenue Off Set	(118,000)	(121,304)	(124,701)	(128,192)	(131,782)	(135,471)	(139,265)	(143,164)	(147,173)	(151,293)	(155,530)	(159,884)	(164,361)	(168,963)	(173,694)
SYSTEM TOTAL															
Total Revenue Req	2,940,495	3,245,570	3,363,002	3,613,876	3,836,144	3,935,011	3,915,987	4,185,875	4,203,660	4,308,160	4,523,787	4,617,319	4,703,870	5,065,399	5,260,960
Annual Sales	37,726,342	38,139,714	38,735,506	39,265,066	39,758,021	40,221,329	40,684,143	41,159,030	41,665,417	42,176,904	42,718,209	43,256,754	43,793,364	43,793,365	43,793,366
Average $/KWh	0.078	0.085	0.087	0.092	0.096	0.098	0.096	0.102	0.101	0.102	0.106	0.107	0.107	0.116	0.120
Growth Rate		9.18%	2.02%	6.01%	4.83%	1.40%	-1.62%	5.66%	-0.80%	1.24%	3.67%	0.80%	0.63%	7.69%	3.86%
Average Compound Growth Rate 2008-2022			**3.14%**												
Average Compound Growth Rate 2009-2022			**2.69%**												

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