			Historic 01/01/21		Projected 01/01/22		Proposed 01/01/23
Line No.	Description	Reference	- 12/31/21	Adjustments	- 12/31/22	Adjustments	- 12/31/23
1	Energy Plant	IR-2 Schedule 1 Page 2	2,106	138	2,244	109	2,353
2	Transmission Plant	IR-2 Schedule 1 Page 2	7,956	1,006	8,962	1,995	10,957
3	Distribution Plant	IR-2 Schedule 1 Page 2	718,608	55,817	774,426	50,263	824,689
4	Customer Plant	IR-2 Schedule 1 Page 2	11,780	771	12,552	943	13,494
5	Total Plant	-	740,451	57,732	798,183	53,309	851,493
6	Energy Accumulated Depreciation	IR-2 Schedule 1 Page 2	(476)	(135)	(611)	(88)	(699)
7	Transmission Accumulated Depreciation	IR-2 Schedule 1 Page 2	(3,212)	(154)	(3,366)	(199)	(3,565)
8	Distribution Accumulated Depreciation	IR-2 Schedule 1 Page 2	(221,232)	(14,996)	(236,228)	(16,784)	(253,012)
9	Customer Accumulated Depreciation	IR-2 Schedule 1 Page 2	(2,663)	(754)	(3,417)	(591)	(4,008)
10	Total Accumulated Depreciation	-	(227,584)	(16,038)	(243,622)	(17,662)	(261,284)
11	Energy Plant Deferred Tax	IR-2 Schedule 1 Page 2	(296)	(34)	(330)	(9)	(339)
12	Transmission Plant Deferred Tax	IR-2 Schedule 1 Page 2	(1,547)	(235)	(1,782)	23	(1,760)
13	Distribution Plant Deferred Tax	IR-2 Schedule 1 Page 2	(99,555)	(13,049)	(112,603)	(4,275)	(116,878)
14	Customer Plant Deferred Tax	IR-2 Schedule 1 Page 2	(1,696)	(197)	(1,893)	(50)	(1,942)
15	Total Plant Deferred Tax		(103,094)	(13,515)	(116,609)	(4,310)	(120,919)
16	Energy CWIP	IR-2 Schedule 1 Page 2	65	23	88	158	246
17	Transmission CWIP	IR-2 Schedule 1 Page 2	2,911	(883)	2,028	(2,026)	1
18	Distribution CWIP	IR-2 Schedule 1 Page 2	10,754	(6,520)	4,234	2,217	6,451
19	Customer CWIP	IR-2 Schedule 1 Page 2	365	126	491	919	1,410
20	Total CWIP		14,095	(7,254)	6,841	1,267	8,108
21	Customer Advances	IR-2 Schedule 1 Page 2	-	-	-	-	-
22	Net Utility Plant		423,868	20,925	444,794	32,604	477,397
23	Materials and Supplies	IR-2 Schedule 1 Page 3	257	11	267	1	268
24	Gas Storage	IR-2 Schedule 1 Page 4	12,759	6,963	19,722	3,282	23,004
25	Prepayments	IR-2 Schedule 1 Page 5	875	130	1,005	(85)	921
26	Deferred Taxes Other than Plant, M&S	IR-2 Schedule 1 Page 6	15,142	2,444	17,586	7,119	24,705
27	Regulatory Assets & Liabilities	IR-2 Schedule 1 Page 7	(34,201)	(433)	(34,634)	(23)	(34,657)
28	Cash Working Capital (Lead Lag)	IR-2 Schedule 1 Page 8	(7,393)	(1,288)	(8,682)	(506)	(9,187)
28	Sub-Total	-	(12,561)	7,826	(4,735)	9,788	5,053
29	Total Minnesota Rate Base		411,307	28,751	440,058	42,392	482,450

MERC - Minnesota Rate Base

Minnesota Energy Resources Corporation Docket No. G011/GR-22-504 Informational Requirements Document No. 2 Schedule 1 Page 1 of 9 Amounts In Thousands

Minnesota Energy Resources Corporation Docket No. G011/GR-22-504

Informational Requirements Document No. 2 Schedule 1 Page 2 of 9 Amounts In Thousands

Hearter Projected 2017 (22 Adjustments Projected 2017 (22 Projecte								Amounts In Thousands
2 Minester langemation Plant 7.556 1,005 8.862 1,805 2 Minester Langemation Plant 7.556 5.77 77.48,785 50.308 6 Minester Total Plant 7.782 77.88,785 55.309 6 Minage Desize Plant - - - - 7 Michige Transmission Plant - - - - 7 Michige Transmission Plant - 0 - - 7 Michige Transmission Plant - 0 - - 7 Michige Transmission Plant - 1.055 6.851 2.221 7 Michige Transmission Plant - 1.055 6.851 2.221 17 Transmission Plant - 1.055 6.851 2.221 18 Michige Transmission Plant - 1.055 6.851 7.77 7.452 5.858 - 18 Michige Transmission Plant - 1.050 6.917 7.77 7.77 <th>Line No.</th> <th>Description</th> <th>Reference</th> <th></th> <th>Adjustments</th> <th></th> <th>Adjustments</th> <th>Proposed 01/01/23 - 12/31/23</th>	Line No.	Description	Reference		Adjustments		Adjustments	Proposed 01/01/23 - 12/31/23
3 Minesses Distriction Plant 714.68 55.817 774.45 50.283 Minesses Distriction Plant 11.760 774.55 50.283 Minispin Possidion Plant 85.90 2.9 85.95 2.1 Minispin Charabasian Plant 85.00 2.9 85.95 2.7 Minispin Charabasian Plant 86.00 2.9 85.95 2.7 Minispin Charabasian Plant 2.60 0	1							2,353
4 Minerada Calabama Pont 11,700 771 12,502 943 6 Minerada Calabama 774 778,853 53,800 6 Minerada Calabama 60 23 789,853 53,800 7 Michigan Destador Flant 60 0 0 0 0 0 0 0 7 Michigan Destador Flant 0 <td>2</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>10,957</td>	2				-			10,957
5 Minesola Fold 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.32 77.33	3							824,689
6 Michgan Freduction Plant - <td>4</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>13,494</td>	4							13,494
Total participant Internation Plant 500 20 889 227 Michigan Destination Plant 0 0 0 0 0 Michigan Costmut Plant 00 20 669 227 Introduction Plant 2.06 138 2.244 109 Introduction Flant 2.106 138 2.244 109 Introduction Flant 2.106 138 2.244 109 Introduction Flant 2.105 138 2.244 109 Introduction Flant 17.711 5.777 7.755 5.023 Introduction Accurulated Depreciation (473) (158) 0.911 6.893 Minnesota Transmission Accurulated Depreciation (227,544) (24,472) (17,683) Minnesota Transmission Accurulated Depreciation (27,744) (24,472) (17,683) Miningso Transmission Flant Accurulated Depreciation (27,744) (24,472) (17,683) Miningso Transmission Flant Accurulated Depreciation (27,745) (24,900) (24,900) (24,900) (24,900)	-			740,451	57,732	798,183	53,309	851,493
6 Medigan Distributor Fluit - - - - 10 Medigan Cost Print 860 29 889 227 11 Medigan Cost Print 2.00 138 2.244 0.01 12 Transmission Plant 5.816 1.385 0.845 2.23 12 Transmission Plant 7.817 7.752 7.867 3.858 2.23 13 Total Plant 7.41.311 97.722 7.98.073 3.858 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.85 0.81 3.83 3.83 3.83 3.83 3.83 3.83 1.85 3.85 0.85 3.85 0.85 3.83 1.83 0.81 3.83 1.83 3.83 1.83 3.83 1.83 3.83 1.20 1.85 3.83 1.20 1.85 3.83 1.20 1.85 <td>6</td> <td>-</td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	6	-		-	-	-	-	-
9 Michigan Catacture Plant 0 0 0 0 0 0 11 Production Plant 2.106 136 2.244 108 12 Distribution Plant 2.106 136 0.221 108 13 Distribution Plant 4.600 1.036 0.661 2.221 13 Distribution Plant 1.17.671 1.07.675 1.05.65 1.08 14 Transmission Plant 1.17.871 1.07.655 1.08 1.08 14 Minnesset Explorition Accumulated Depreciation (2.27.84) 1.08 (3.369 1.19 15 Total Plant Contramy Plant (2.7.84) (16.039) (2.45.822) (17.62) 16 Minesset Total Accumulated Depreciation (2.27.84) (16.039) (2.45.822) (17.62) 17 Minesset Total Accumulated Depreciation (2.47.94) 1.3 (3.43 (2.9) 18 Minesset Total Accumulated Depreciation (2.27.94) 1.3 (3.43 (2.9) 19	7	Michigan Transmission Plant		860	29	889	227	1,116
No. No. Sec Sec Sec Sec Sec Sec 10 Production Plant 2.06 3.38 2.244 100 11 Transmission Plant 0.016 1.056 5.817 774.425 Soc285 12 Total Plant 711 77.12 7.12.55 So445 Soc285 13 Total Plant 77.11 7.72.62 7.94.625 Soc385 14 Clastom Plant 7.11 7.72.62 Soc385 Soc385 14 Minesota Decombiand Depreciation (221,223) (14.968) (225,220) (15.74) 15 Minesota Total Accomulated Depreciation (27,748) (14.968) (23.42) (17.659) 16 Minesota Total Accomulated Depreciation (27,743) (23.43) (23.43) (23.43) 17 Toransitian Accomulated Depreciation (24.77) 1 (23.43) (23.41) 20 Ministan Total Accomulated Depreciation (24.72) (24.41) (27.92) (26.72)	8	Michigan Distribution Plant		-	-	-	-	-
11 Production Plant 2,06 136 2,244 109 13 Distribution Plant 7,86,08 55,817 774,428 50,203 14 Cutation Plant 7,771 12,252 143 57,772 72,82,72 53,587 2 15 Total Plant 741,811 57,752 728,927 53,587 2 16 Minesce Plantsin Accumulate Depresiston (2,23) (144,868) (23,62,23) (167,84) 17 Minesce Total Accumulate Depresiston (2,283) (74,848) (23,62,23) (17,64,93) 18 Minesce Total Accumulate Depresiston (2,284) (17,653) (24,822) (17,643) 19 Minesce Total Accumulate Depresiston (24,71) (13) (34,01) (23) 20 Miningin Transmission Accumulate Depresiston (24,71) (14,11) (17,90) (23) 21 Miningin Transmission Accumulate Depresiston (24,73) (34,17) (91) (91) 22 Miningin Trasamission Accumulate Depresiston (22,73)	9	Michigan Customer Plant		0	0	0	0	0
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12 Transmission Plant 58/86 58/87 77.428 58/87 2.221 12 Distribution Plant 11/201 77/14 12/622 043 12 Castomer Plant 11/201 77/14 12/622 043 13 Minnesota Production Accumulated Depresistion (27)23 (164) 0.3390 (193) 14 Minnesota Distribution Accumulated Depresistion (22)232 (14/200) (23)202 (1974) 15 Minnesota Distribution Accumulated Depresistion (22)232 (14/200) (23)322 (17/642) 16 Minnesota Distribution Accumulated Depresistion (0) (0) (0) (0) 16 Michigan Distribution Accumulated Depresistion (13) (13) (13) (23) 17 Transmission Accumulated Depresistion (13) (14) (13) (23) 16 Michigan Distribution Accumulated Depresistion (12) (14) (13) (23) 17 Transmission Accumulated Depresistion (22) (14)401 (13)		-						2,353
13 Distriction Plant 716.058 66.817 77.44.25 60.233 14 Customer Plant 11.761 77.71 12.552 .043 15 Total Plant 77.1 12.552 .043 .053 .011 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>12,073</td>								12,073
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28 Distribution Accumulated Depreciation (221,22) (14,996) (236,229) (15,784) 29 Customer Accumulated Depreciation (227,931) (15,625) (243,956) (17,692) 21 Minnesoia Production Plant Deferred Tax (296) (34) (339) (9) 23 Minnesoia Distibution Plant Deferred Tax (295) (13,449) (11,263) (4,275) 34 Minnesoia Distibution Plant Deferred Tax (1930) (197) (11,883) (60) 35 Minnesoia Distibution Plant Deferred Tax (10,904) (13,515) (11,6103) (4,275) 34 Minnesoia Distibution Plant Deferred Tax (10,77) (10) (177) (2) 35 Minnesoia Plant Deferred Tax (167) (10) (177) (2) 36 Minnesoia Plant Deferred Tax (167) (10) (177) (2) 37 Minnesoia Plant Deferred Tax (167) (10) (177) (2) 38 Mindigan Dustomer Plant Deferred Tax (10,715) (245) (11,936) 20 39 Production Plant Deferred Tax (296)		·						(3,928)
29 Customer Accumulated Depreciation (2.663) (754) (3.417) (691) 30 Total Accumulated Depreciation (227,931) (16,025) (223,956) (17,592) 31 Minnesota Production Plant Deferred Tax (296) (34) (330) (9) 32 Minnesota Transmission Plant Deferred Tax (19,553) (11,040) (127,821) (23,956) 34 Minnesota Distribution Plant Deferred Tax (9,9,553) (11,040) (117,72) (23,966) 34 Minnesota Plant Deferred Tax (10,059) (11,669) (4,310) 36 Minnesota Plant Deferred Tax (10,00) (0) (0) (0) 36 Michigan Plant Deferred Tax (167) (10) (177,7) (2) 37 Michigan Plant Deferred Tax (167) (10) (177,7) (2) 38 Michigan Plant Deferred Tax (167) (10) (177,7) (2) 39 Distribution Plant Deferred Tax (167) (110,203) (4,275) 40 Production								
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31 Minnesota Production Plant Deferred Tax (296) (34) (330) (9) 32 Minnesota Transmission Plant Deferred Tax (1,547) (235) (1,782) 23 33 Minnesota Distribution Plant Deferred Tax (1,99,555) (13,049) (112,603) (4,275) 34 Minnesota Customer Plant Deferred Tax (130,04) (13,655) (116,889) (43,10) 35 Michigan Production Plant Deferred Tax (167) (10) (1777) (2) 36 Michigan Distribution Plant Deferred Tax (1677) (10) (1777) (2) 37 Michigan Distribution Plant Deferred Tax (1677) (10) (1777) (2) 38 Michigan Distribution Plant Deferred Tax (1677) (10) (1777) (2) 39 Michigan Plant Deferred Tax (1677) (10) (1777) (2) 41 Production Plant Deferred Tax (1677) (10) (1777) (2) 42 Transmission Plant Deferred Tax (1677) (10) (1777) (2) 43 Distribution Plant Defered Tax (1175) (24		•			. ,		. ,	(4,008)
22 Minnesota Transmission Plant Deferred Tax (1,347) (225) (1,782) 23 33 Minnesota Distribution Plant Deferred Tax (199,555) (13,049) (112,603) (4,275) 34 Minnesota Distribution Plant Deferred Tax (199,555) (10,049) (13,515) (116,009) (4,310) 35 Minnesota Customer Plant Deferred Tax (167) (10) (1777) (2) 36 Minnesota Customer Plant Deferred Tax (167) (10) (1777) (2) 36 Michigan Transmission Plant Deferred Tax (1677) (10) (1777) (2) 37 Michigan Plant Deferred Tax (1677) (10) (1777) (2) 36 Michigan Plant Deferred Tax (296) (34) (330) (9) 38 Distribution Plant Deferred Tax (103,265) (116,208) (4,275) 39 Distribution Plant Deferred Tax (103,261) (13,252) (116,786) (2,02) 39 Distribution Plant Deferred Tax (103,261) (13,252) (116,786) (4,313) 30 Distribution CWIP 65 <td< td=""><td>30</td><td>Total Accumulated Depreciation</td><td></td><td>(227,931)</td><td>(16,025)</td><td>(243,956)</td><td>(17,692)</td><td>(261,647)</td></td<>	30	Total Accumulated Depreciation		(227,931)	(16,025)	(243,956)	(17,692)	(261,647)
33 Minnesota Distribution Plant Deferred Tax (99,555) (13,049) (11,2803) (4,275) 34 Minnesota Customer Plant Deferred Tax (103,094) (13,515) (116,009) (4,310) 35 Minnesota Plant Deferred Tax 1 1 1 1 1 36 Michigan Production Plant Deferred Tax 1 1 1 1 1 37 Michigan Transmission Plant Deferred Tax 1 <t< td=""><td></td><td></td><td></td><td>. ,</td><td></td><td>. ,</td><td></td><td>(339)</td></t<>				. ,		. ,		(339)
34 Minnesotal Plant Deferred Tax (16.36) (197) (18.33) (50) 35 Minnesotal Plant Deferred Tax (16.304) (13.516) (116.609) (4.310) 36 Michigan Transmission Plant Deferred Tax (167) (10) (177) (2) 37 Michigan Distribution Plant Deferred Tax (167) (10) (177) (2) 38 Michigan Distribution Plant Deferred Tax (167) (10) (177) (2) 39 Michigan Plant Deferred Tax (167) (10) (177) (2) 41 Production Plant Deferred Tax (167) (10) (177) (2) 42 Transmission Plant Deferred Tax (17,75) (245) (1,959) 20 43 Distribution Plant Deferred Tax (193,261) (112,603) (4,275) 44 Customer Plant Deferred Tax (103,261) (112,603) (4,233) (4,233) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Production CWIP 10,754 (6,520) 4,234 2,217 48 </td <td>32</td> <td>Minnesota Transmission Plant Deferred Tax</td> <td></td> <td>(1,547)</td> <td>(235)</td> <td>(1,782)</td> <td>23</td> <td>(1,760)</td>	32	Minnesota Transmission Plant Deferred Tax		(1,547)	(235)	(1,782)	23	(1,760)
Minnesota Plant Deferred Tax (103,094) (13,515) (116,609) (4,310) 6 Michigan Production Plant Deferred Tax -	33	Minnesota Distribution Plant Deferred Tax		(99,555)	(13,049)	(112,603)	(4,275)	(116,878)
36 Michigan Production Plant Deferred Tax 1.1 1.1 1.1 1.1 1.1 38 Michigan Transmission Plant Deferred Tax (167) (10) (177) (2) 38 Michigan Distribution Plant Deferred Tax (167) (10) (177) (2) 39 Michigan Plant Deferred Tax (167) (10) (177) (2) 41 Production Plant Deferred Tax (26) (34) (330) (9) 42 Transmission Plant Deferred Tax (276) (1,569) 20 43 Distribution Plant Deferred Tax (193,555) (13,049) (112,603) (4,275) 44 Transmission Plant Deferred Tax (103,261) (13,525) (116,786) (4,313) 45 Total Plant Deferred Tax (103,261) (13,525) (116,786) (4,313) 46 Minnesota Erroduction CWIP 65 23 88 158 47 Minnesota Erroduction CWIP 10,754 (6,520) 4,224 2,217 48 Minnesota CWIP 355 (113) 201 (201) 50	34	Minnesota Customer Plant Deferred Tax		(1,696)	(197)	(1,893)	(50)	(1,942)
37 Michigan Transmission Plant Deferred Tax (167) (10) (177) (2) 38 Michigan Distribution Plant Deferred Tax - - - - 39 Michigan Distribution Plant Deferred Tax (0) (0) (0) (0) (0) 40 Michigan Distribution Plant Deferred Tax (167) (10) (177) (2) 41 Production Plant Deferred Tax (286) (34) (330) (9) 42 Transmission Plant Deferred Tax (296) (14) (1330) (9) 42 Distribution Plant Deferred Tax (95,55) (13,449) (112,603) (4,275) 43 Customer Plant Deferred Tax (163,261) (13,252) (116,786) (4,313) 44 Customer Plant Deferred Tax (103,261) (13,252) (116,786) (4,313) 45 Total Plant Deferred Tax (103,261) (13,252) (116,786) (4,313) 46 Minnesota Production CWIP 2,911 (883) 2,028 (2,228) 47 Minnesota CWIP 2,911 (8,851) 2,217 1 <td>35</td> <td>Minnesota Plant Deferred Tax</td> <td></td> <td>(103,094)</td> <td>(13,515)</td> <td>(116,609)</td> <td>(4,310)</td> <td>(120,919)</td>	35	Minnesota Plant Deferred Tax		(103,094)	(13,515)	(116,609)	(4,310)	(120,919)
38 Michigan Distribution Plant Deferred Tax (0) (0) (0) (0) 39 Michigan Plant Deferred Tax (0) (0) (0) (0) 41 Production Plant Deferred Tax (167) (10) (177) (2) 42 Transmission Plant Deferred Tax (1715) (245) (1,159) 20 43 Distribution Plant Deferred Tax (1,715) (245) (1,159) 20 44 Customer Plant Deferred Tax (1,696) (137) (1,893) (4,275) 45 Total Plant Deferred Tax (103,261) (113,525) (116,766) (4,313) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Production CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Michigan Production CWIP 1 - - - 51 Michigan Production CWIP 315 (113) 201 (201) 54 Michigan Production CWIP 315 <td>36</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td>	36			-	-	-	-	-
39 Michigan Clastomer Plant Deferred Tax (0) (11,75) (2,45) (1,25,03) (1,25,03) (1,25,03) (1,25,03) (1,25,03) (1,25,03) ((167)	(10)	(177)	(2)	(179)
40 Michigan Plant Deferred Tax (167) (10) (177) (2) 41 Production Plant Deferred Tax (296) (34) (330) (9) 42 Transmission Plant Deferred Tax (1,715) (245) (1,959) 20 43 Distribution Plant Deferred Tax (1,715) (245) (1,959) 20 44 Customer Plant Deferred Tax (1,696) (197) (1,893) (60) 44 Total Plant Deferred Tax (10,3261) (13,525) (11,696) (4,313) 45 Total Plant Deferred Tax (103,261) (13,525) (116,766) (4,313) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Distribution CWIP 2,911 (683) 2,028 (2,026) 48 Minnesota Distribution CWIP 365 126 491 919 50 Michigan Production CWIP 315 (113) 201 (201) 51 Michigan Distribution CWIP 0 0 0 0 0 54 Michigan Customer Accumulat		0		-	-	-	-	-
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42 Transmission Plant Deferred Tax (1,715) (245) (1,959) 20 43 Distribution Plant Deferred Tax (99,555) (13,049) (112,603) (4,275) 44 Customer Plant Deferred Tax (1,896) (197) (1,893) (50) 45 Total Plant Deferred Tax (10,261) (13,225) (116,786) (4,31) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Transmission CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota CWIP 365 126 491 919 919 50 Minnesota CWIP 10,754 (6,520) 4,234 2,217 51 Michigan Production CWIP - - - - 54 Michigan Customer Accumulated CWIP 315 (113) 201 (201) 53 Michigan Customer Accumulated CWIP - - - - - 55 113 201 (201) - - - - - - - - <	40	-						(179)
43 Distribution Plant Deferred Tax (99,555) (13,049) (112,603) (4,275) 44 Customer Plant Deferred Tax (10,996) (1977) (1,893) (50) 45 Total Plant Deferred Tax (103,261) (113,525) (116,686) (4,313) 46 Minnesota Transmission CWIP 65 23 88 158 47 Minnesota Distribution CWIP 65 126 491 919 49 Minnesota CWIP 10,754 (6,520) 4,234 2,217 49 Minnesota CWIP 315 (113) 201 (201) 50 Michigan Droduction CWIP 315 (113) 201 (201) 51 Michigan Customer Accumulated CWIP 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 54 Michigan Customer Accumulated CWIP 0	41	Production Plant Deferred Tax		(296)	(34)	(330)	(9)	(339)
44 Customer Plant Deferred Tax (1,696) (197) (1,893) (50) 45 Total Plant Deferred Tax (103,261) (13,525) (116,786) (4,313) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Distribution CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota Customer Accumulated CWIP 365 126 491 919 51 Michigan Production CWIP - - - - 52 Michigan Distribution CWIP - - - - 53 Michigan Distribution CWIP - - - - - 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 0 54 Michigan Distribution CWIP -	42	Transmission Plant Deferred Tax		(1,715)	(245)	(1,959)	20	(1,939)
44 Customer Plant Deferred Tax (1,696) (197) (1,893) (50) 45 Total Plant Deferred Tax (103,261) (13,525) (116,786) (4,313) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Istinuction CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP - - - - 51 Michigan Production CWIP - - - - 52 Michigan Production CWIP -	43	Distribution Plant Deferred Tax		(99,555)	(13,049)	(112,603)	(4,275)	(116,878)
45 Total Plant Deferred Tax (103,261) (13,525) (116,786) (4,313) 46 Minnesota Production CWIP 65 23 88 158 47 Minnesota Transmission CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP 365 126 491 919 50 Minnesota CWIP 315 (113) 201 (201) 51 Michigan Transmission CWIP 315 (113) 201 (201) 52 Michigan Customer Accumulated CWIP 0 0 0 0 53 Michigan Customer Accumulated CWIP 315 (113) 201 (201) 54 Michigan Customer Accumulated CWIP 65 23 88 158 57 Transmission CWIP 315 (113) 201 (201) 56 Production CWIP 365 126 491 919 50 Distribution CWIP 365 126 491 919	44	Customer Plant Deferred Tax						(1,942)
47 Minnesota Transmission CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Distribution CWIP 10,754 (6,520) 4,234 2,217 49 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP 14,095 (7,254) 6,841 1,267 51 Michigan Production CWIP - - - - 52 Michigan Distribution CWIP - - - - 53 Michigan Distribution CWIP - - - - - 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 55 Michigan CWIP 315 (113) 201 (201) 0 56 Production CWIP 65 23 88 158 158 57 Transmission CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 <td></td> <td></td> <td></td> <td></td> <td>. ,</td> <td></td> <td></td> <td>(121,099)</td>					. ,			(121,099)
47 Minnesota Transmission CWIP 2,911 (883) 2,028 (2,026) 48 Minnesota Distribution CWIP 10,754 (6,520) 4,234 2,217 49 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP 14,095 (7,254) 6,841 1,267 51 Michigan Production CWIP - - - - 52 Michigan Distribution CWIP - - - - 53 Michigan Distribution CWIP - - - - - 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 0 0 0 0 55 Michigan CWIP 315 (113) 201 (201) 0 56 Production CWIP 3,225 (997) 2,229 (2,227) 0 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 0 59 Customer Accumulated CWIP <	46	Minnesota Production CWIP		65	23	88	158	246
48 Minnesota Distribution CWIP 10,754 (6,520) 4,234 2,217 49 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP 14,095 (7,254) 6,841 1,267 51 Michigan Production CWIP - - - - 52 Michigan Transmission CWIP 315 (113) 201 (201) 53 Michigan Distribution CWIP 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 0 0 0 55 Michigan Customer Accumulated CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 10,754 (6,520) 4,234 2,217								1
49 Minnesota Customer Accumulated CWIP 365 126 491 919 50 Minnesota CWIP 14,095 (7,254) 6,841 1,267 51 Michigan Production CWIP - - - - 52 Michigan Distribution CWIP 315 (113) 201 (201) 53 Michigan Distribution CWIP 0 0 0 0 0 54 Michigan Customer Accumulated CWIP 0 <td></td> <td></td> <td></td> <td></td> <td>. ,</td> <td></td> <td>, , , , , , , , , , , , , , , , , , ,</td> <td>6,451</td>					. ,		, , , , , , , , , , , , , , , , , , ,	6,451
51 Michigan Production CWIP - - - - 52 Michigan Transmission CWIP 315 (113) 201 (201) 53 Michigan Distribution CWIP - - - - 54 Michigan Customer Accumulated CWIP 0 0 0 0 55 Michigan CWIP 315 (113) 201 (201) 56 Production CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 58 Distribution CWIP 365 126 491 919 60 Total CWIP 14,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Net Utility Plant 424,528 20,845 445,373 32,598	49	Minnesota Customer Accumulated CWIP						1,410
52 Michigan Transmission CWIP 315 (113) 201 (201) 53 Michigan Distribution CWIP - - - - 54 Michigan Customer Accumulated CWIP 0 0 0 0 55 Michigan CWIP 315 (113) 201 (201) 56 Michigan CWIP 0 0 0 0 57 Froduction CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 365 126 491 919 60 Total CWIP 365 126 491 919 60 Total CWIP 365 126 491 919 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 32,598	50	Minnesota CWIP		14,095	(7,254)	6,841	1,267	8,108
53 Michigan Distribution CWIP -	51	Michigan Production CWIP		-	-	-	-	-
54 Michigan Customer Accumulated CWIP 0 0 0 0 0 55 Michigan CWIP 315 (113) 201 (201) 56 Production CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 365 126 491 919 60 Total CWIP - - - - 61 Minnesota Customer Advances for Construction - - - - 62 Net Utility Plant 424,528 20,845 445,373 32,598 -	52	Michigan Transmission CWIP		315	(113)	201	(201)	0
55 Michigan CWIP 315 (113) 201 (201) 56 Production CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 114,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 -	53	Michigan Distribution CWIP		-	-	-	-	-
56 Production CWIP 65 23 88 158 57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 114,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 -	54	Michigan Customer Accumulated CWIP		-	-	0	0	0
57 Transmission CWIP 3,225 (997) 2,229 (2,227) 58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 14,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - 62 Michigan Customer Advances for Construction - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598	55	-			• •			0
58 Distribution CWIP 10,754 (6,520) 4,234 2,217 59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 14,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 2	56	Production CWIP		65	23	88	158	246
59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 114,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 -	57	Transmission CWIP		3,225	(997)	2,229	(2,227)	1
59 Customer Accumulated CWIP 365 126 491 919 60 Total CWIP 114,409 (7,367) 7,042 1,066 61 Minnesota Customer Advances for Construction - - - - 62 Michigan Customer Advances for Construction - - - - 63 Net Utility Plant 424,528 20,845 445,373 32,598 -	58	Distribution CWIP		10.754		4.234		6,451
60Total CWIP14,409(7,367)7,0421,06661Minnesota Customer Advances for Construction62Michigan Customer Advances for Construction63Net Utility Plant424,52820,845445,37332,598								1,410
62Michigan Customer Advances for Construction63Net Utility Plant424,52820,845445,37332,598								8,108
62Michigan Customer Advances for Construction63Net Utility Plant424,52820,845445,37332,598	61	Minnesota Customor Advances for Construction						
63 Net Utility Plant 424,528 20,845 445,373 32,598				-	-	-	-	-
		-		424 528	20 845	<u> </u>	32 508	477,971
64 MERC-Minnesota 423,868 20,925 444,794 32,604								
	64	MERC-Minnesota		423,868	20,925	444,794	32,604	477,397
65 MERC-Michigan 660 (80) 580 (6)	65	MERC-Michigan		660	(80)	580	(6)	574

			Historic 01/01/21		Projected 01/01
Line No.	Description	Reference	- 12/31/21	Adjustments	- 12/31/22
1	154 Plant Materials and Operations Supplies		257	11	
2	Total Materials and Supplies		257	11	
3	Allocated to Minnesota based on Distribution Plant	IR-9 Schedule 1 Page 2	257		
4	Allocated to Michigan	IR-9 Schedule 1 Page 2	-		

	Minnesota Energ	y Resources Corporation
	Doc	ket No. G011/GR-22-504
	Informational Requir	rements Document No. 2
		Schedule 1
		Page 3 of 9
		Amounts In Thousands
01/01/22		Proposed 01/01/23
/22	Adjustments	- 12/31/23
-	Adjustments	
267	Adjustments	268
-	Adjustments 1 1	

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Line No.	Description	Reference	Historic 01/01/21 - 12/31/21	Adjustments	Projected 01/01/22 - 12/31/22	Adjustments	Proposed 01/01/23 - 12/31/23
1	164 Gas Storage		12,759	6,963	19,722	3,282	23,004
2	Allocated to Minnesota based on System Sales	IR-9 Schedule 1 Page 1	12,759		19,722		23,004
3	Allocated to Michigan based on System Sales	IR-9 Schedule 1 Page 1	-		-		-

Minnesota Energy Resources Corporation Docket No. G011/GR-22-504 Informational Requirements Document No. 2 Schedule 1 Page 4 of 9 Amounts In Thousands

Line No.	Description	Reference	Historic 01/01/21 - 12/31/21	Adjustments	Projected 01/01 - 12/31/22
Line NO.	Description	Reference	- 12/31/21	Aujustinents	- 12/31/22
1	165 Prepayments		876	130	
2	Total Prepayments		876	130	
3	MERC - Minnesota based on Rate Base				
4	Production	IR-9 Schedule 1 Page 3	40		
5	Transmission	IR-9 Schedule 1 Page 3	11		
6	Distribution	IR-9 Schedule 1 Page 3	809		
7	Customer	IR-9 Schedule 1 Page 3	15		
8	Total MERC - Minnesota		875		
9	MERC - Michigan Based on Rate Base				
10	Production	IR-9 Schedule 1 Page 3	-		
11	Transmission	IR-9 Schedule 1 Page 3	1		
12	Distribution	IR-9 Schedule 1 Page 3	-		
13	Customer	IR-9 Schedule 1 Page 3	0		
14	Total MERC - Michigan		1		

	Docl	y Resources Corporation ket No. G011/GR-22-504 rements Document No. 2 Schedule 1 Page 5 of 9 Amounts In Thousands
Projected 01/01/22		Proposed 01/01/23
- 12/31/22	Adjustments	- 12/31/23
1,006	(85)	922
1,006	(85)	922
62		45
10		10
916		849
17		16
1,005		921
-		-
1		1
-		-

Minnesota Energy Resources Corporation Docket No. G011/GR-22-504 Informational Requirements Document No. 2

Schedule 1 Page 6 of 9 Amounts In Thousands

			Historic 01/01/21		Projected 01/01/22		Proposed 01/01/23
Line No.	Description	Reference	- 12/31/21	Adjustments	- 12/31/22	Adjustments	- 12/31/23
1	Deferred Income Tax Asset - Other		9,388	2,543	11,930	89	12,019
2	Section 311 (b) Deferred Tax Asset		30	(10)	20	(1)	19
3	Deferred Income Tax Asset - FAS 109		10,405	(292)	10,112	(31)	10,081
4	FAS109, FAS133 and Other Def Tax Liability exclude:		(40,365)	(340)	(40,705)	7,073	(33,632)
5	Goodwill Related Deferred Tax (credit balance)		35,706	540	36,246	-	36,246
6	Deferred Taxes Other than Plant, M&S		15,162	2,441	17,603	7,130	24,733
7	MERC - Minnesota based on Rate Base						
8	Production	IR-9 Schedule 1 Page 3	690		1,091		1,212
9	Transmission	IR-9 Schedule 1 Page 3	188		170		278
10	Distribution	IR-9 Schedule 1 Page 3	13,995		16,024		22,773
11	Customer	IR-9 Schedule 1 Page 3	268		301		442
12	MERC - Minnesota Allocation of Def Taxes Other		15,142		17,586		24,705
13	MERC - Michigan Based on Rate Base						
14	Production	IR-9 Schedule 1 Page 3	-		-		-
15	Transmission	IR-9 Schedule 1 Page 3	20		17		28
16	Distribution	IR-9 Schedule 1 Page 3	-		-		-
17	Customer	IR-9 Schedule 1 Page 3	0		0		0
18	MERC - Michigian Allocation of Def Taxes Other		20		17		28

			Historic 01/01/21		Projected 01/01/22		Proposed 01/01/23
Line No.	Description	Reference	- 12/31/21	Adjustments	- 12/31/22	Adjustments	- 12/31/23
1	Reg Asset - Farm Taps (182023171)		640	114	754	(168)	586
1	Reg Asset - Purch Acctg - PEC Merger & Aquila (182024158)		2,978	(596)	2,383	(596)	1,787
1	Reg Liability - TR - Remeasure (P) (254024083 & 254024084)		(24,381)	118	(24,263)	132	(24,131)
1	Reg Liability - TR - Remeasure - (U) (254024040 & 254024042)		(7,306)	968	(6,338)	632	(5,706)
1	Reg Liability - TR - Remeasure (U) non-ARAM (254024082)		(4,514)	58	(4,456)	104	(4,352)
1	Reg Liability - Def Rev LT Rate Case (254423012)		(1,631)	(1,087)	(2,718)	(136)	(2,854)
1	Reg Liability - Def Tax - Health Care Leg (254021062)		(34)	5	(30)	3	(26)
1	Total Regulatory Assets and Liabilities		(34,247)	(420)	(34,667)	(29)	(34,696)
2	MERC - Minnesota based on Rate Base						
3	Production	IR-9 Schedule 1 Page 3	(1,559)		(2,149)		(1,700)
4	Transmission	IR-9 Schedule 1 Page 3	(426)		(334)		(390)
5	Distribution	IR-9 Schedule 1 Page 3	(31,612)		(31,559)		(31,947)
6	Customer	IR-9 Schedule 1 Page 3	(605)		(592)		(620)
7	Total MERC - Minnesota		(34,201)		(34,634)		(34,657)
8	MERC - Michigan Based on Rate Base						
9	Production	IR-9 Schedule 1 Page 3	-		-		-
10	Transmission	IR-9 Schedule 1 Page 3	(46)		(33)		(40)
11	Distribution	IR-9 Schedule 1 Page 3	-		-		-
12	Customer	IR-9 Schedule 1 Page 3	(0)		(0)		(0)
13	Total MERC - Michigan		(46)		(33)		(40)

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2021 & 2021 Estimates of Cash Working Capital - Minnesota

In lieu of completing a detailed lead-lag study for each of these time periods, the Company presents the following estimates of cash from operating expenses / Cash Working Capital.

			Production Tra		ta based on F		Total Minnesota	Production -	Michiga Transmission	n based on R		otal Michigan	Total Company
	Reference	Amount	1100000000			dotomor		110000000	ranomodion	Diotribution		otar morngan	i olai oompany
Test Year 2023 Cash Working Capital divided by	Lead/Lag, IR No. 9 Page 3	(9,187)	(450)	(114)	(8,459)	(164)	(9,187)	(1)	(0)	(10)	(0)	(11)	(9,198)
Test Year Operating Expenses Cash Working Capital % to Operating Expense	IR-5 Summary Income	402,961											
2022 Operating Expenses x TY2023 Cash Working Capital % to Operating Expense	IR-5 Summary Income	<u>380,786</u> (8,682)	(538)	(92)	(7,903)	(148)	(8,682)	(1)	(0)	(8)	(0)	(8)	(8,690)
2021 Operating Expenses x TY2023 Cash Working Capital % to Operating Expense	IR-5 Summary Income	324,284 (7,393)	(337)	(102)	(6,824)	(131)	(7,393)	(0)	(0)	(9)	(0)	(10)	(7,403)

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Minnesota Energy Resources Corporation Rate Base Variance Explanations

	2023 Proposed Less 2021 Historical	
Net Utility Plant	53,443	This increase in rate base is related to \$110 million of projected capital spending in 2022 and 2023. Depreciation was calculated using the rates approved in Docket No. G011/D-22-261 MERC's 2022 Five-Year Review of Depreciation Certification.
Gas Storage	10,245	The 2023 proposed test year is based off of the sales forecast identifed in the Direct Testimony and Exhibits of Jared Pecarrelli, and uses a NYMEX date of July 21, 2022 for the cost of gas.
Deferred Taxes Other than Plant, M&S	9,571	Non-Plant Deferred Taxes are forecasted to increase due to related deferral account activity.
Reg A/L	(450)	Regulatory Assets and Liabilities decrease due to the small amount of assets included amortizing at a rate faster than the liabilities.
Working Capital	(1,794)	Working Capital in the proposed test year was adjusted based on the Lead/Lag Study included in the the Testimony and Exhibits of Joylyn Hoffman Malueg.