

Northern States Power Company

Docket No. EL22-\_\_\_\_  
 Exhibit\_\_\_\_(CJB-1), Schedule 5  
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Test Year Ending December 31, 2021  
 Primary Distribution Cost Allocator Calculations

Line	Primary Distribution Cost	Allocator Derivation	Allocator Label	SD	Customer Class				
					Resid	Commercial Non Demand	C&I Demand Secondary	C&I Demand Primary	Ltg
1	Customer Portion of <b>Multi-Phase</b> Primary Lines	Number of Customers	C61PS	98,268	85,497	7,991	4,223	43	514
2	Capacity Portion of <b>Multi-Phase</b> Primary Lines	Class Coincident Peak Demands	D61PS	450,804	162,838	15,411	215,728	53,171	3,655
3	% of Customers Served by Primary <b>Single Phase</b> Lines				78.0%	42.3%	13.5%	22.2%	52.4%
4	Customer Portion of <b>Single-Phase</b> Primary Lines	line 1 x line 3	C61PS1Ph	70,942	66,716	3,377	570	10	270
5	Capacity Portion of <b>Single-Phase</b> Primary Lines	line 2 x line 3	D61PS1Ph	176,430	127,069	6,513	29,117	11,816	1,916
6	Customer Portion of <b>Multi-Phase</b> Primary Lines	Cost Allocator %	C61PS	100.0%	87.00%	8.13%	4.30%	0.04%	0.52%
7	Capacity Portion of <b>Multi-Phase</b> Primary Lines	Cost Allocator %	D61PS	100.0%	36.12%	3.42%	47.85%	11.79%	0.81%
8	Customer Portion of <b>Single-Phase</b> Primary Lines	Cost Allocator %	C61PS1Ph	100.0%	94.04%	4.76%	0.80%	0.01%	0.38%
9	Capacity Portion of <b>Single-Phase</b> Primary Lines	Cost Allocator %	D61PS1Ph	100.0%	72.02%	3.69%	16.50%	6.70%	1.09%