









Inter-Hour Requirements

- 700,800 hours of data available
- Aurora determines thermal and hydro dispatch
- Council determined available hydro flexibility
 - Minimum and maximum output for 14 different periods in the year over all 80 years (two each in April and August)
 - For longer horizons, lower amount of flexibility available
- For each hour, run through and calculate flexibility available, deployed and spare for all thermal units and total hydro (big 4 only were studied)
- MATLAB code available (though needs to be cleaned up)

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	2 hour	4 hour	6 hour	8 hour	10 hour	12 hour	14 hour
<1000 MW	118	356	1,851	2,870	7,655	18,043	33,174
% of time	.02%	0.05%	0.3%	0.4%	1.1%	2.6%	4.7%
<500 MW	53	167	765	844	2,477	6,638	13,097
% of time	~0%	0.03%	0.11%	0.12%	0.4%	1%	1.9%
<0MW	1	49	190	292	1,081	3,202	6,957
% of time	~0%	~0%	0.03%	0.04%	0.15%	0.5%	1%

	2 hour	4 hour	6 hour	8 hour	10 hour	12 hour	14 hour
<1000 MW	2,098	6,978	8,505	9,416	8,922	9,424	10,077
% of time	0.3%	1%	1.2%	1.3%	1.25%	1.3%	1.4%
<500 MW	716	2,689	3,703	4,076	4,251	4,519	4,526
% of time	0.1%	0.38%	0.53%	0.58%	0.61%	0.64%	0.65%
<0MW	117	761	1,376	1,759	1,702	1,897	1,728
% of time	~0%	0.11%	0.2%	0.25%	0.24%	0.27%	0.25%

