

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2016	2016-02	2016-03	2016-04	2016-05	2016-06	2016-07	2016-08	2016-09	2016-10	2016-11	2016-12	2017	2017-02	2017-03	2017-04	2017-05	2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018
Basin Creek	MEAN	10.3	8.551	6.258	6.174	4.061	1.545	11.367	14.013	11.827	4.836	6.85	10.977	8.148	5.245	3.451	3.466	2.615	0.564	7.645	12.231	8.574	2.514	5.463	8.502	7.167
	P5	7.106	5.114	3.722	2.221	0.872	0.082	4.625	9.492	4.625	0.872	2.653	5.185	3.519	1.81	1.314	1.007	0.022	2.518	2.518	8.526	4.401	0.659	2.785	4.916	3.303
	P95	12.465	11.495	8.543	9.58	7.815	4.963	17.976	17.613	17.261	11.058	11.993	16.594	13.252	9.383	5.754	5.702	5.047	1.663	11.545	15.573	13.315	5.582	8.785	12.474	11.295
CELP 2015	MEAN	15.805	15.44	13.837	16.042	16.079	16.472	15.433	15.692	16.186	16.778	15.804	17.262	16.507	15.242	13.926	15.344	16.65	16.545	15.418	15.322	16.006	16.849	15.749	16.017	16.21
	P5	15.405	14.81	12.948	15.426	15.611	15.778	14.442	15.065	15.694	16.347	15.228	16.849	16.034	14.771	13.1	14.729	16.103	15.921	14.285	14.543	15.349	16.409	15.233	15.581	15.775
	P95	16.19	15.97	14.641	16.608	16.437	16.974	16.52	16.309	16.479	17.139	16.313	17.635	16.933	15.673	14.949	16.024	17.098	16.974	16.52	16.092	16.479	17.181	16.313	16.458	16.684
Colstrip 3	MEAN	39.448	39.264	38.018	35.5	33.062	36.416	40.419	44.662	41.194	43.042	40.004	45.407	43.056	38.655	41.694	36.276	4.213	8.98	40.598	45.019	41.521	43.392	41.715	42.108	43.301
	P5	32.809	32.107	29.722	25.458	23.701	24.153	31.704	37.595	31.533	34.857	30.281	37.41	35.84	29.014	32.002	26.542	2.06	3.755	32.727	36.497	33.308	36.547	32.794	34.134	34.566
	P95	43.079	43.141	44.244	41.492	40.143	43.557	44.396	47.449	44.382	46.079	44.13	47.898	45.953	42.449	47.03	41.909	5.118	10.539	44.4	47.75	44.387	46.145	44.364	44.391	46.14
Colstrip 4	MEAN	39.443	38.761	37.349	35.447	6.752	5.729	40.293	44.546	42.4	42.651	40.765	44.879	42.457	38.745	41.585	36.283	37.497	40.418	40.746	44.89	42.59	42.581	41.728	41.978	42.703
	P5	32.742	32.372	28.347	25.815	3.975	2.861	31.763	36.405	34.807	33.54	32.938	36.777	34.669	29.809	35.239	27.993	30.204	31.092	32.039	36.574	36.32	32.945	33.256	33.961	34.918
	P95	43.213	43.067	43.871	41.712	8.594	6.797	44.382	47.457	44.382	46.055	44.225	47.898	45.992	42.455	47.03	41.806	44.343	45.15	44.4	47.777	44.387	46.136	44.36	44.391	46.104
CX CCCT1	MEAN																									
	P5																									
	P95																									
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN																									
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CX Recip10	MEAN																									
	P5																									
	P95																									
CX Recip2	MEAN																									
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	P95																									
CX Recip3	MEAN																									
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CX Recip4	MEAN																									
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CX Recip5	MEAN																									
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CX Recip6	MEAN																									
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CX Recip7	MEAN																									
	P5																									
	P95																									
CX Recip8	MEAN																									
	P5																									
	P95																									
CX Recip9	MEAN																									
	P5																									
	P95																									
David Gates Generating Station	MEAN	31.25	27.961	24.663	24.124	19.408	14.705	33.461	39.185	34.298	20.878	24.509	33.013	27.041	20.631	18.838	18.066	16.879	13.216	25.398	35.598	27.479	16.002	21.26	27.049	24.927
	P5	24.55	20.525	19.073	16.868	13.538	12.58	21.363	30.885	21.45	13.88	17.1	22.573	18.68	14.72	15.41	13.638	12.93	12.53	14.638	29.135	19.838	13.193	16.675	21.063	17.78
	P95	37.188	33.963	30.135	30.518	26.113	19.068	46.15	45.76	44.488	32.218	33.488	43.46	36.068	28.02	22.435	22.038	21.63	14.83	32.425	41.185	35.45	20.818	26.913	33.1	32.018
YELP	MEAN	21.73	22.019	24.773	24.638	23.796	22.022	23.122	24.021	24.308	22.636	23.683	25.933	22.789	21.829	24.866	23.624	24.6	22.196	23.096	23.516	24.028	23.006	23.607	24.06	21.969
	P5	20.842	21.071	23.899	23.722	22.977	20.676	21.601	23.163	23.487	21.3	22.735	25.315	21.758	20.857	23.971	22.806	23.631	21.263	21.3	22.304	22.99	21.602	22.778	23.364	21.021
	P95	22.636	23.037	25.74	25.46	24.592	22.35	24.84	24.891	24.778	24.007	24.498	26.517	24.002	22.884	25.758	24.405	25.461	22.35	24.84	24.679	24.747	24.665	24.529	24.747	23.427
Black Eagle	MEAN	5.281	5.553	7.245	7.747	7.747	7.983	6.479	6.729	5.541	5.644	6.139	5.889	5.487	5.522	7.236	7.437	8.042	7.971	6.522	6.741	5.528	5.644	6.117	5.454	5.489
	P5	4.038	4.295	5.8	6.107	6.283	6.215	4.971	5.029	4.414	4.285	5.05	4.451	4.432	4.44	5.78	5.897	6.413	6.064	4.957	5.64	4.311	4.415	4.771	4.276	4.399
	P95	6.338	6.837	8.795	9.346	9.33	9.619	7.694	8.226	6.764	6.954	7.436	7.116	6.649	6.665	8.786	9.041	9.734	9.96	8.11	7.947	6.645	7.095	7.469	6.62	6.62
Cochrane	MEAN	11.269	11.279	13.252	14.899	16.743	18.366	13.338	12.366	10.345	8.652	9.528	12.211	11.663	11.248	13.267	14.374	17.409	18.393	13.502	12.393	10.361	8.677	9.459		

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2016	2016-02	2016-03	2016-04	2016-05	2016-06	2016-07	2016-08	2016-09	2016-10	2016-11	2016-12	2017	2017-02	2017-03	2017-04	2017-05	2017-06	2017-07	2017-08	2017-09	2017-10	2017-11	2017-12	2018
Sleeping Giant	MEAN	0.368	0.575	1.424	3.324	3.196	3.324	3.196	3.451	3.2	0.759	0.781	0.405	0.382	0.572	1.423	3.197	3.323	3.324	3.195	3.449	3.202	0.759	0.78	0.375	0.381
	P5	0.35	0.569	1.404	3.285	3.165	3.293	3.161	3.414	3.169	0.75	0.77	0.401	0.366	0.566	1.405	3.16	3.323	3.279	3.166	3.419	3.165	0.751	0.769	0.37	0.356
	P95	0.388	0.583	1.441	3.352	3.229	3.328	3.228	3.487	3.229	0.768	0.793	0.409	0.404	0.577	1.442	3.225	3.355	3.361	3.227	3.479	3.233	0.766	0.791	0.379	0.404
Thompson Falls	MEAN	21.123	20.98	23.155	33.263	33.815	30.513	19.584	15.464	18.344	20.267	24.34	21.937	20.071	23.142	29.384	34.54	33.819	19.599	15.453	18.368	20.183	22.608	21.978	21.978	21.978
	P5	16.205	16.225	18.187	23.861	26.533	26.659	23.499	14.594	12.478	13.989	16.343	18.455	17.419	16.881	18.535	22.736	26.901	26.001	23.242	16.268	12.134	14.544	15.71	17.475	17.315
	P95	26.027	26.526	28.594	37.023	41.372	41.045	36.376	25.005	19.202	22.883	25.224	29.486	27.699	25.409	28.772	37.517	43.724	42.515	37.663	23.706	18.597	23.569	25.05	27.881	26.935
Hydro - Total	MEAN	106.52	105.909	120.794	134.588	144.372	153.855	131.018	117.984	99.883	101.925	104.005	117.404	110.479	105.37	120.822	129.568	150.887	153.762	131.775	118.069	99.853	102.033	105.552	108.883	110.742
	P5	77.012	79.992	90.324	101.529	111.613	117.709	99.454	86.155	78.26	75.147	82.153	85.201	84.433	81.195	89.929	97.679	112.739	113.627	97.679	94.227	76.861	79.14	78.091	80.208	83.045
	P95	141.531	146.655	156.726	174.249	188.873	199.25	165.039	158.13	131.088	134.019	132.529	150.442	155.541	133.735	158.578	173.175	196.245	205.698	173.515	152.943	124.609	138.193	131.354	141.907	146.398
Load	MEAN	-378.306	-340.533	-341.267	-307.008	-292.061	-324.695	-367.423	-375.022	-304.854	-320.291	-326.031	-390.652	-396.538	-326.224	-343.345	-297.09	-326.969	-327.334	-376.678	-306.807	-322.667	-327.538	-344.907	-349.	-399.053
	P5	(392.7)	-351.222	-347.412	-311.818	-295.778	-329.763	-383.738	-386.273	-312.105	-325.417	-332.598	-402.07	-411.93	-345.717	-351.805	-302.294	-309.783	-332.139	-387.526	-389.08	-313.997	-327.176	-333.18	-372.253	-417.608
	P95	-361.292	-330.247	-333.895	-301.286	-288.232	-320.474	-354.357	-363.449	-297.955	-315.208	-318.907	-381.506	-379.027	-327.147	-336.373	-291.545	-300.886	-321.858	-357.006	-364.412	-300.397	-317.493	-322.069	-355.237	-383.784
Morgan S 09 RFP (HL)	MEAN	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P5	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P95	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
PPL 09 RFP (HL)	MEAN	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P5	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P95	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
Small QF1	MEAN	0.672	0.47	0.972	0.894	0.798	1.706	5.032	1.312	2.159	1.254	0.945	0.896	0.698	0.467	0.972	0.886	0.83	1.706	5.032	1.312	2.159	1.254	0.945	0.83	0.698
	P5	0.672	0.47	0.972	0.894	0.798	1.706	5.032	1.312	2.159	1.254	0.945	0.896	0.698	0.467	0.972	0.886	0.83	1.706	5.032	1.312	2.159	1.254	0.945	0.83	0.698
	P95	0.672	0.47	0.972	0.894	0.798	1.706	5.032	1.312	2.159	1.254	0.945	0.896	0.698	0.467	0.972	0.886	0.83	1.706	5.032	1.312	2.159	1.254	0.945	0.83	0.698
Small Tier II	MEAN	2.171	1.815	2.999	3.226	2.674	3.93	3.617	3.23	3.383	3.87	3.127	2.726	2.258	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.383	3.87	3.127	2.524	2.258
	P5	2.171	1.815	2.999	3.226	2.674	3.93	3.617	3.23	3.383	3.87	3.127	2.726	2.258	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.383	3.87	3.127	2.524	2.258
	P95	2.171	1.815	2.999	3.226	2.674	3.93	3.617	3.23	3.383	3.87	3.127	2.726	2.258	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.383	3.87	3.127	2.524	2.258
Tiber	MEAN	2.176	2.113	2.419	2.384																					
	P5	2.176	2.113	2.419	2.384																					
	P95	2.176	2.113	2.419	2.384																					
TransAlta 10 RFP (HL)	MEAN	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P5	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
	P95	10.	10.	10.8	10.4	10.	10.4	10.	10.8	10.	10.4	10.	10.8	10.4	9.6	10.8	10.	10.4	10.4							
Turnbull	MEAN				1.966	4.652	5.133	4.142	1.387	0.017										2.045	4.652	5.133	4.142	1.387	0.017	
	P5				1.966	4.652	5.133	4.142	1.387	0.017										2.045	4.652	5.133	4.142	1.387	0.017	
	P95				1.966	4.652	5.133	4.142	1.387	0.017										2.045	4.652	5.133	4.142	1.387	0.017	
Physical Instrument - Total	MEAN	35.019	34.398	38.79	37.705	35.439	41.487	43.782	41.084	36.928	36.341	36.133	38.24	36.42	33.173	38.79	36.255	36.856	41.487	13.782	8.684	6.928	5.141	6.133	5.408	5.22
	P5	35.019	34.398	38.79	37.705	35.439	41.487	43.782	41.084	36.928	36.341	36.133	38.24	36.42	33.173	38.79	36.255	36.856	41.487	13.782	8.684	6.928	5.141	6.133	5.408	5.22
	P95	35.019	34.398	38.79	37.705	35.439	41.487	43.782	41.084	36.928	36.341	36.133	38.24	36.42	33.173	38.79	36.255	36.856	41.487	13.782	8.684	6.928	5.141	6.133	5.408	5.22
Deer Creek Solar	MEAN	0.155	0.288	0.435	0.588	0.589	0.685	0.738	0.748	0.531	0.393	0.181	0.147	0.157	0.287	0.431	0.565	0.611	0.681	0.732	0.746	0.527	0.391	0.179	0.136	0.158
	P5	0.017	0.039	0.101	0.194	0.155	0.143	0.448	0.356	0.054	0.035	0.051	0.014	0.029	0.09	0.179	0.167	0.104	0.432	0.334	0.078	0.046	0.037	0.059	0.011	
	P95	0.441	0.694	0.744	0.872	0.878	1.011	0.911	0.964	0.85	0.769	0.503	0.354	0.486	0.691	0.739	0.835	0.915	1.004	0.915	0.967	0.849	0.761	0.501	0.295	0.466
Distributed Generation	MEAN	0.379	0.531	0.78	0.885	0.922	1.026	1.042	1.02	0.804	0.642	0.417	0.361	0.459	0.62	0.91	0.994	1.117	1.19	1.192	0.941	0.728	0.486	0.319	0.492	
	P5	0.288	0.247	0.469	0.378	0.33	0.141	0.021	0.061	0.117	0.281	0.276	0.244	0.333	0.278	0.579	0.477	0.526	0.16	0.035	0.047	0.134	0.329	0.324	0.262	0.35
	P95	0.482	0.946	1.097	1.623	1.647	1.841	1.743	1.768	1.451	1.06	0.621	0.542	0.632	1.239	1.268	1.598	1.953	2.155	2.072	1.235	1.727	1.223	0.698	0.537	0.652
Fairfield	MEAN	2.249	1.504	2.043	2.019	0.792	1.261	0.949	0.966	1.921	2.066	2.12	2.253	2.352	1.501	2.049	1.958	0.829	1.249	0.939	0.969	1.172	2.073	2.116	2.085	2.348
	P5	1.739	1.15	1.657	1.722	0.527	0.98	0.716	0.687	0.926	1.629	1.594	1.737	1.073	1.66	1.641	0.53	0.939	0.672	1.703	0.915	1.73	1.736	1.645	1.857	

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020	2020-02	
Basin Creek	MEAN	4.382	2.88	2.463	1.9	0.377	6.27	10.913	6.798	2.848	5.257	8.037	6.387	3.618	2.441	2.093	1.592	0.305	7.403	11.208	6.88	2.168	4.791	7.358	6.424	4.042	
	P5	2.17	0.616	0.661	0.134	0.	0.767	6.471	2.017	0.788	0.413	1.636	4.005	2.102	0.788	0.48	0.212	0.022	0.	2.233	6.751	1.656	0.078	1.109	2.545	1.397	0.795
	P95	7.011	5.455	4.952	5.126	1.047	11.121	14.867	11.959	7.23	9.17	13.259	11.052	7.475	4.867	4.758	4.086	0.929	12.786	15.226	12.492	6.901	9.608	12.228	12.052	8.227	
CELP 2015	MEAN	15.109	13.529	15.235	16.609	16.432	15.717	15.888	15.637	17.403	15.691	15.879	16.165	15.032	12.769	15.882	16.682	15.848	16.122	15.552	15.534	17.355	15.594	15.854	15.963	14.976	
	P5	14.668	12.835	14.59	15.962	15.88	14.756	15.112	15.182	16.888	15.09	15.312	15.714	14.592	11.867	15.163	16.229	15.164	15.07	14.652	14.909	16.875	14.981	15.219	15.603	14.462	
	P95	15.494	14.453	15.865	17.057	16.974	16.52	16.685	15.859	17.8	16.334	16.396	16.674	15.473	13.884	16.561	17.036	16.437	17.181	16.428	15.859	17.759	16.252	16.313	16.375	15.553	
Colstrip 3	MEAN	39.445	43.053	37.482	39.095	41.157	40.967	45.291	40.199	45.847	41.32	42.452	43.86	39.604	41.742	38.916	38.744	39.135	42.71	45.71	40.26	45.951	41.598	42.113	43.665	41.169	
	P5	30.471	33.242	28.849	28.172	31.928	32.658	37.494	30.539	39.296	32.814	34.028	37.62	31.133	34.494	30.313	30.287	30.443	34.325	39.275	29.832	33.624	33.039	33.855	35.902	30.542	
	P95	42.516	47.512	42.902	44.548	45.597	44.4	47.786	42.615	47.934	44.387	44.391	46.086	42.485	45.79	44.743	44.281	43.727	46.176	47.837	42.624	47.934	44.373	44.387	46.145	44.306	
Colstrip 4	MEAN	39.486	42.401	38.141	39.318	41.59	41.209	44.851	40.667	45.44	42.027	42.452	43.038	40.158	41.563	39.222	12.075	9.329	42.696	45.123	41.006	43.972	41.31	42.269	43.54	41.703	
	P5	31.631	32.848	31.053	30.839	30.506	33.454	36.23	32.566	38.213	34.706	35.169	34.916	34.016	35.159	30.923	8.699	4.798	34.109	36.752	33.426	33.716	31.886	33.852	37.034	33.944	
	P95	42.514	47.439	42.902	44.514	45.545	44.4	47.826	42.615	47.939	44.382	44.391	46.095	42.444	45.79	45.103	13.949	10.602	46.176	47.853	42.62	47.925	44.387	44.387	46.154	44.319	
CX CCCT1	MEAN																										
	P5																										
	P95																										
CX FrameCT1	MEAN																										
	P5																										
	P95																										
CX Recip1	MEAN												2.478	1.437	0.989	0.811	0.636	0.112	2.946	4.015	2.783	0.963	1.973	2.803	2.623	1.758	
	P5												0.952	0.391	0.238	0.077	0.	0.	1.046	2.635	0.799	0.051	0.621	1.105	0.757	0.459	
	P95												4.123	2.805	1.828	1.811	1.539	0.357	5.313	5.219	4.65	2.703	3.596	4.403	4.556	3.273	
CX Recip10	MEAN																										
	P5																										
	P95																										
CX Recip2	MEAN												2.477	1.427	0.993	0.816	0.639	0.111	2.954	4.037	2.765	0.967	1.973	2.805	2.621	1.763	
	P5												0.935	0.391	0.247	0.077	0.	0.	1.105	2.635	0.833	0.051	0.561	1.105	0.757	0.451	
	P95												3.91	2.703	1.896	1.811	1.539	0.34	5.381	5.219	4.641	2.822	3.596	4.446	4.556	3.315	
CX Recip3	MEAN												2.475	1.431	0.994	0.813	0.641	0.111	2.947	4.031	2.793	0.972	1.976	2.804	2.631	1.772	
	P5												0.986	0.391	0.238	0.077	0.	0.	1.105	2.533	0.833	0.051	0.578	1.114	0.757	0.468	
	P95												4.012	2.703	1.87	1.811	1.539	0.332	5.381	5.219	4.65	2.788	3.596	4.403	4.471	3.315	
CX Recip4	MEAN																										
	P5																										
	P95																										
CX Recip5	MEAN																										
	P5																										
	P95																										
CX Recip6	MEAN																										
	P5																										
	P95																										
CX Recip7	MEAN																										
	P5																										
	P95																										
CX Recip8	MEAN																										
	P5																										
	P95																										
CX Recip9	MEAN																										
	P5																										
	P95																										
David Gates Generating Station	MEAN	18.848	17.578	16.018	15.472	12.974	22.603	33.051	23.31	16.891	20.584	25.977	23.132	17.385	16.23	15.869	14.975	12.344	25.172	33.262	23.249	15.765	19.737	24.451	23.306	18.537	
	P5	15.27	14.085	12.9	12.48	12.48	12.6	25.06	14.92	13.26	14.5	18.813	15.868	12.57	13.03	12.655	12.48	12.	14.88	25.46	13.82	12.96	13.725	15.775	14.63	12.9	
	P95	23.483	21.51	20.6	21.093	13.88	31.575	40.16	33.47	24.098	26.663	35.3	31.08	24.208	20.068	20.83	19.005	13.15	35.418	39.723	32.12	22.96	28.338	32.8	34.08	25.563	
YELP	MEAN	21.435	24.54	23.494	24.5	21.954	23.581	24.287	23.488	23.322	23.498	23.85	21.753	21.235	23.49	24.508	24.626	21.816	24.166	23.846	23.328	22.921	23.342	23.812	21.136	20.944	
	P5	20.485	23.744	22.79	23.398	20.212	22.036	23.194	22.791	21.482	22.592	22.987	20.757	20.298	22.564	23.66	23.695	20.023	22.542	22.418	22.418	21.331	22.424	22.831	20.183	20.226	
	P95	22.336	25.461	24.312	25.399	22.35	24.84	25.347	23.846	25.018	24.529	24.632	22.915	22.175	24.396	25.399	25.299	22.35	25.834	25.182	23.846	24.933	24.374	24.508	22.372	21.921	
Black Eagle	MEAN	5.525	7.247	7.451	8.048	8.003	6.528	6.725	5.303	5.858	6.117	5.45	5.485	5.509	6.969	7.771	8.058	7.682	6.74	6.73	5.306	5.855	6.139	5.454	5.487	5.569	
	P5	4.176	5.724	5.716	6.256	6.061	4.73	5.516	4.184	4.712	4.567	4.139	4.207	4													

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2018-02	2018-03	2018-04	2018-05	2018-06	2018-07	2018-08	2018-09	2018-10	2018-11	2018-12	2019	2019-02	2019-03	2019-04	2019-05	2019-06	2019-07	2019-08	2019-09	2019-10	2019-11	2019-12	2020	2020-02	
Sleeping Giant	MEAN	0.572	1.423	3.196	3.325	3.325	3.193	3.453	3.072	0.789	0.78	0.375	0.382	0.572	1.37	3.323	3.324	3.197	3.325	3.451	3.073	0.789	0.781	0.375	0.382	0.575	
	P5	0.564	1.407	3.167	3.283	3.293	3.163	3.418	3.035	0.761	0.768	0.371	0.361	0.565	1.352	3.289	3.289	3.17	3.289	3.417	3.034	0.781	0.769	0.365	0.365	0.568	
	P95	0.58	1.442	3.236	3.358	3.354	3.225	3.481	3.105	0.797	0.795	0.378	0.403	0.578	1.387	3.355	3.356	3.227	3.354	3.483	3.103	0.799	0.797	0.379	0.409	0.582	
Thompson Falls	MEAN	20.858	23.18	29.413	34.561	33.921	30.148	19.563	14.828	19.064	20.206	21.923	20.148	20.206	22.303	30.645	34.614	32.592	31.223	19.58	14.822	19.044	20.244	24.614	21.928	21.035	
	P5	15.883	18.141	22.065	26.744	26.372	22.806	15.581	11.616	15.178	15.326	17.181	16.924	16.05	16.757	23.638	26.094	24.731	25.16	14.672	11.472	14.685	16.022	17.264	17.013	16.832	
	P95	25.807	29.57	36.411	44.081	42.325	37.997	24.184	18.294	23.85	25.054	27.211	26.779	26.125	27.462	37.834	43.086	39.82	40.153	25.556	18.763	24.482	26.469	28.722	27.383	25.099	
Hydro - Total	MEAN	105.292	121.049	129.645	150.071	154.35	131.786	117.914	95.962	105.936	103.684	108.679	110.515	105.1	116.36	135.146	150.437	148.111	136.45	117.962	95.719	105.797	103.923	108.712	110.611	106.256	
	P5	77.532	89.28	92.128	110.339	116.002	95.893	91.387	73.999	81.721	77.603	79.671	80.62	78.727	83.931	99.083	108.31	106.728	104.09	86	71.43	79.923	80.523	79.425	80.761	80.791	
	P95	137.507	167.448	173.425	202.389	204.477	173.685	152.824	122.183	137.393	136.34	137.001	148.079	139.506	152.924	180.614	198.586	190.481	189.381	159.288	127.979	142.613	143.941	146.9	148.151	134.605	
Load	MEAN	-337.67	-344.608	-299.41	-326.373	-372.715	-378.617	-297.392	-336.373	-329.451	-365.709	-400.054	-389.54	-334.725	-312.235	-308.429	-318.677	-390.378	-318.677	-379.885	-298.713	-338.037	-331.71	-368.5	-402.554	-347.081	
	P5	-344.438	-351.289	-305.808	-311.688	-333.844	-387.035	-391.611	-306.827	-342.523	-334.46	-373.144	-418.818	-347.203	-341.86	-317.684	-312.834	-323.515	-408.73	-391.355	-305.067	-344.35	-337.608	-380.151	-420.245	-357.746	
	P95	-330.138	-336.179	-293.708	-303.338	-324.115	-357.739	-365.661	-291.096	-331.199	-323.817	-357.776	-382.845	-329.831	-327.581	-307.138	-303.814	-313.687	-372.657	-367.808	-292.73	-332.294	-325.094	-358.171	-386.034	-336.483	
Morgan 509 RFP (HL)	MEAN																										
	P5																										
	P95																										
PPL 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
Small QF1	MEAN	0.467	0.972	0.86	0.83	1.706	5.032	1.312	2.073	1.302	0.945	0.83	0.698	0.467	0.936	0.894	0.83	1.64	5.193	1.27	2.034	1.26	0.905	0.791	0.658	0.429	
	P5	0.467	0.972	0.86	0.83	1.706	5.032	1.312	2.073	1.302	0.945	0.83	0.698	0.467	0.936	0.894	0.83	1.64	5.193	1.27	2.034	1.26	0.905	0.791	0.658	0.429	
	P95	0.467	0.972	0.86	0.83	1.706	5.032	1.312	2.073	1.302	0.945	0.83	0.698	0.467	0.936	0.894	0.83	1.64	5.193	1.27	2.034	1.26	0.905	0.791	0.658	0.429	
Small Tier II	MEAN	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.247	4.019	3.127	2.524	2.258	1.805	2.888	3.226	2.781	3.779	3.762	3.23	3.247	4	3.11	2.5	2.233	1.789	
	P5	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.247	4.019	3.127	2.524	2.258	1.805	2.888	3.226	2.781	3.779	3.762	3.23	3.247	4	3.11	2.5	2.233	1.789	
	P95	1.805	2.999	3.102	2.781	3.93	3.617	3.23	3.247	4.019	3.127	2.524	2.258	1.805	2.888	3.226	2.781	3.779	3.762	3.23	3.247	4	3.11	2.5	2.233	1.789	
Tiber	MEAN	2.101	2.419	2.293						2.06	2.054	2.263	2.101	2.33	2.384									2.06	2.054	2.263	2.113
	P5	2.101	2.419	2.293						2.06	2.054	2.263	2.101	2.33	2.384									2.06	2.054	2.263	2.113
	P95	2.101	2.419	2.293						2.06	2.054	2.263	2.101	2.33	2.384									2.06	2.054	2.263	2.113
TransAlta 10 RFP (HL)	MEAN																										
	P5																										
	P95																										
Turnbull	MEAN				2.045	4.652	5.133	4.142	1.331	0.018						2.045	4.473	5.338	4.142	1.331	0.018						
	P5				2.045	4.652	5.133	4.142	1.331	0.018						2.045	4.473	5.338	4.142	1.331	0.018						
	P95				2.045	4.652	5.133	4.142	1.331	0.018						2.045	4.473	5.338	4.142	1.331	0.018						
Physical Instrument - Total	MEAN	4.373	6.39	6.255	5.656	10.287	13.782	8.684	6.651	5.338	6.133	5.408	5.22	4.373	6.154	6.505	5.656	9.892	14.293	8.642	6.613	5.278	6.075	5.345	5.154	4.331	
	P5	4.373	6.39	6.255	5.656	10.287	13.782	8.684	6.651	5.338	6.133	5.408	5.22	4.373	6.154	6.505	5.656	9.892	14.293	8.642	6.613	5.278	6.075	5.345	5.154	4.331	
	P95	4.373	6.39	6.255	5.656	10.287	13.782	8.684	6.651	5.338	6.133	5.408	5.22	4.373	6.154	6.505	5.656	9.892	14.293	8.642	6.613	5.278	6.075	5.345	5.154	4.331	
Deer Creek Solar	MEAN	0.284	0.431	0.56	0.607	0.68	0.728	0.743	0.504	0.405	0.178	0.134	0.157	0.283	0.412	0.582	0.605	0.653	0.757	0.74	0.504	0.401	0.179	0.133	0.153	0.283	
	P5	0.024	0.081	0.212	0.147	0.119	0.41	0.319	0.036	0.058	0.038	0.053	0.009	0.035	0.074	0.224	0.111	0.115	0.431	0.312	0.034	0.066	0.029	0.049	0.008	0.035	
	P95	0.714	0.762	0.836	0.917	1.019	0.912	0.971	0.822	0.811	0.495	0.293	0.469	0.698	0.728	0.875	0.92	0.966	0.952	0.973	0.814	0.795	0.532	0.357	0.488	0.716	
Distributed Generation	MEAN	0.662	0.976	1.063	1.198	1.276	0.952	0.533	0.716	1.295	1.011	1.191	1.29	1.326	1.459	1.129	1.326	1.459	1.129	1.326	1.459	1.129	1.326	1.459	1.129	1.326	
	P5	0.279	0.564	0.49	0.433	0.15	0.021	0.054	0.162	0.359	0.308	0.388	0.368	0.616	0.554	0.484	0.154	0.033	0.046	0.215	0.4	0.397	0.303	0.42	0.366		
	P95	1.225	1.385	1.783	2.095	2.245	2.201	2.236	1.834	1.419	0.725	0.688	1.312	1.475	2.073	2.271	2.387	2.464	2.397	1.913	1.403	0.84	0.643	0.759	1.403		
Fairfield	MEAN	1.505	2.044	1.947	0.837	1.258	0.952	0.956	1.136	2.154	2.108	2.086	2.369	1.506	1.975	2.037	0.832	1.213	0.984	0.966	1.142	2.132	2.107	2.086	2.334	1.51	
	P5	1.147	1.639	1.6	0.559	1.003	0.66	0.705	0.849	1.971	1.623	1.493	1.075	1.586	1.753	0.544	0.91	0.723	0.705	0.906	1.787	1.728	1.651	1.836	1.134		
	P95	1.89	2.409	2.292	1.126	1.605	1.249	1.235	1.404	2.653	2.53	2.6	2.855	1.973	2.366	2.322	1.165	1.499	1.252	1.258	1.402	2.49	2.535	2.522	2.77	1.915	
Gordon Butte	MEAN	2.23	2.424	1.971	1.411	1.649	2.122	0.979	2.345	1.048	2.14	2.563	2.649	2.994	2.122	1.392	1.392	1.527	2.067	2.642	1.958	2.229					
	P5	1.678																									

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022	2022-02	2022-03
Basin Creek	MEAN	2.403	2.432	1.756	0.323	7.197	11.761	8.749	3.131	5.071	8.573	2.016	1.235	0.677	0.917	0.609	0.087	3.368	6.118	2.448	0.313	1.206	3.069	2.767	1.483	0.965
	P5	0.182	0.123	0.022	0.	0.64	6.249	2.127	0.149	0.	0.249	0.011	0.	0.	0.	0.	0.	0.	1.028	0.011	0.	0.	0.279	0.067	0.022	0.
	P95	5.35	5.256	4.797	1.477	12.565	15.951	16.941	9.838	10.89	15.545	6.063	4.688	2.855	3.266	2.885	0.535	9.191	12.192	9.575	2.004	5.289	8.711	6.908	4.203	2.96
CELP 2015	MEAN	12.348	15.956	16.083	16.637	16.552	15.129	16.19	17.417	15.143	16.604	15.561	15.117	13.5	15.975	16.067	16.496	16.666	15.114	16.222	16.839	15.804	16.222	16.188	15.166	13.463
	P5	11.65	15.245	15.591	16.107	15.416	14.172	15.598	16.929	14.485	16.055	15.115	14.703	12.628	15.428	15.535	15.85	15.377	14.301	15.735	16.341	15.187	16.654	15.754	14.644	12.645
	P95	13.347	16.706	16.437	17.16	17.842	15.891	16.52	17.842	15.662	17.098	16.127	15.611	14.71	16.726	16.429	17.036	17.842	16.015	16.499	17.181	16.364	17.676	16.706	15.653	14.466
Colstrip 3	MEAN	42.298	40.234	12.406	11.172	44.141	44.099	41.421	45.664	40.397	44.345	41.406	39.527	45.992	39.184	37.812	41.127	44.194	43.773	42.132	42.49	41.824	46.198	40.037	36.339	37.989
	P5	32.427	30.611	8.205	6.882	35.473	37.054	31.739	37.753	33.84	37.841	33.387	31.519	36.393	26.233	28.552	30.919	35.636	34.944	33.771	32.781	33.06	39.701	31.525	27.888	27.634
	P95	45.879	45.662	13.994	12.392	47.952	46.019	44.4	47.952	42.611	46.172	44.355	42.577	47.716	45.539	43.265	45.623	47.952	46.028	44.391	46.167	44.391	47.943	45.34	42.193	46.334
Colstrip 4	MEAN	42.276	40.495	37.685	41.882	45.152	44.402	42.287	44.495	40.134	43.902	41.755	39.313	43.013	39.775	37.149	41.598	44.492	43.754	42.553	43.177	42.242	45.339	39.869	36.44	37.709
	P5	32.258	31.892	29.164	31.166	37.275	37.989	34.236	35.606	31.879	35.519	33.144	30.546	33.094	32.727	28.783	33.613	33.519	36.774	33.504	34.89	35.93	37.946	31.501	27.697	26.199
	P95	45.926	45.336	43.207	45.886	47.952	46.068	44.4	47.952	42.615	46.176	44.378	42.568	47.673	45.157	43.265	45.509	47.952	46.032	44.391	46.163	44.391	47.943	45.43	42.054	46.45
CX CCCT1	MEAN																									
	P5																									
	P95																									
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN	1.106	1.045	0.753	0.137	2.995	3.958	3.007	1.077	1.969	3.009	2.638	1.706	1.163	1.183	0.808	0.212	3.084	3.951	3.133	1.136	2.13	3.249	3.365	2.27	1.725
	P5	0.094	0.094	0.017	0.	0.425	2.295	0.799	0.06	0.578	0.799	0.884	0.298	0.128	0.196	0.	0.	0.434	2.066	0.859	0.017	0.604	1.258	1.097	0.74	0.485
	P95	2.397	2.091	1.887	0.587	5.619	5.262	5.738	3.528	3.995	5.253	4.293	3.604	2.763	2.44	1.93	0.901	5.984	5.381	5.678	3.587	4.403	5.313	4.99	3.859	3.128
CX Recip10	MEAN																									
	P5																									
	P95																									
CX Recip2	MEAN	1.107	1.041	0.752	0.137	3.008	3.963	3.024	1.074	1.954	2.988	2.624	1.711	1.165	1.185	0.809	0.211	3.092	3.972	3.144	1.13	2.125	3.251	3.361	2.246	1.705
	P5	0.068	0.094	0.017	0.	0.425	2.295	0.791	0.06	0.578	0.765	0.833	0.349	0.128	0.187	0.	0.	0.425	2.134	0.91	0.017	0.604	1.258	1.105	0.706	0.485
	P95	2.389	2.125	1.836	0.587	5.619	5.219	5.517	3.528	3.995	5.151	4.25	3.519	2.771	2.474	1.921	0.867	5.984	5.381	5.721	3.587	4.446	5.313	4.99	3.834	3.086
CX Recip3	MEAN	1.109	1.05	0.747	0.138	2.99	3.958	3.033	1.074	1.978	2.982	2.624	1.72	1.161	1.175	0.808	0.212	3.065	3.975	3.149	1.127	2.125	3.267	3.365	2.263	1.715
	P5	0.094	0.085	0.009	0.	0.425	2.295	0.799	0.06	0.578	0.799	0.876	0.349	0.111	0.196	0.	0.	0.434	2.134	0.91	0.017	0.604	1.241	1.105	0.74	0.485
	P95	2.397	2.108	1.887	0.587	5.619	5.262	5.627	3.443	3.995	5.253	4.344	3.995	2.771	2.474	1.93	0.901	5.857	5.349	5.474	3.587	4.446	5.313	4.99	3.834	3.086
CX Recip4	MEAN																									
	P5																									
	P95																									
CX Recip5	MEAN																									
	P5																									
	P95																									
CX Recip6	MEAN																									
	P5																									
	P95																									
CX Recip7	MEAN																									
	P5																									
	P95																									
CX Recip8	MEAN																									
	P5																									
	P95																									
CX Recip9	MEAN																									
	P5																									
	P95																									
David Gates Generating Station	MEAN	16.084	16.42	14.795	12.835	25.516	33.786	27.354	17.293	19.817	27.132	23.667	18.501	17.393	18.619	16.069	13.451	28.396	33.909	28.137	17.21	21.118	29.098	25.133	19.	18.192
	P5	12.53	12.803	12.	12.48	13.26	24.268	15.8	13.085	13.37	15.805	15.275	12.395	13.11	13.43	12.	12.48	14.31	23.505	15.19	12.518	14.05	18.11	15.405	13.02	13.76
	P95	20.518	21.655	19.85	14.18	35.51	41.143	42.775	28.573	29.983	39.418	32.725	27.22	25.323	25.718	22.138	16.705	44.698	42.868	43.388	29.293	32.863	40.985	34.28	27.508	24.51
YELP	MEAN	23.259	24.555	23.819	22.202	24.781	23.148	24.309	23.444	22.692	24.938	21.139	21.477	24.672	24.596	23.716	22.033	24.969	23.15	24.357	22.704	23.677	25.836	21.978	21.591	24.623
	P5	22.182	23.644	22.932	21.418	23.011	21.868	23.338	21.618	21.704	24.104	20.02	20.598	23.806	23.908	22.777	20.518	22.834	21.972	23.576	20.836	22.815	25.005	20.695	20.555	23.682
	P95	24.241	25.523	24.467	22.35	26.827	24.157	24.809	25.523	23.505	25.709	22.729	22.48	25.751	25.43	24.561	22.35	26.827	24							

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2020-03	2020-04	2020-05	2020-06	2020-07	2020-08	2020-09	2020-10	2020-11	2020-12	2021	2021-02	2021-03	2021-04	2021-05	2021-06	2021-07	2021-08	2021-09	2021-10	2021-11	2021-12	2022	2022-02	2022-03
Sleeping Giant	MEAN	1,371	3,328	3,195	3,323	3,452	3,323	3,203	0,789	0,75	0,39	0,368	0,571	1,424	3,324	3,196	3,325	3,452	3,322	3,201	0,759	0,78	0,405	0,382	0,572	1,423
	P5	1,355	3,293	3,158	3,289	3,421	3,286	3,167	0,779	0,79	0,386	0,348	0,566	1,408	3,29	3,163	3,294	3,411	3,324	3,162	0,752	0,768	0,4	0,359	0,564	1,405
	P95	1,386	3,359	3,226	3,351	3,487	3,359	3,236	0,797	0,761	0,394	0,388	0,577	1,44	3,362	3,227	3,365	3,483	3,354	3,238	0,768	0,793	0,409	0,402	0,579	1,44
Thompson Falls	MEAN	22,315	30,496	33,25	33,879	32,49	18,867	15,467	19,051	19,471	23,414	21,231	20,861	23,887	30,502	33,264	33,806	32,431	18,825	18,325	20,248	24,327	21,963	20,909	23,178	
	P5	16,831	24,542	26,014	26,877	25,864	14,78	12,025	15,018	15,113	17,51	15,223	17,02	18,636	23,305	25,658	26,958	24,464	14,203	12,13	14,785	15,858	18,336	17,482	15,803	17,491
	P95	29,061	37,578	40,986	43,57	40,175	23,312	20,151	24,285	25,093	28,923	26,487	24,952	29,676	37,532	41,936	40,031	40,095	23,48	18,949	22,258	24,751	30,147	27,187	26,124	29,708
Hydro - Total	MEAN	116,516	134,482	144,326	154,125	141,945	113,631	99,844	105,901	99,877	112,738	107,098	105,289	120,987	134,735	144,445	153,714	141,704	113,324	100,153	101,747	103,972	117,257	110,642	105,642	120,928
	P5	83,557	103,705	109,975	117,404	108,6	87,394	74,674	81,052	81,991	93,772	88,961	83,961	93,179	98,477	107,052	118,733	102,755	84,346	75,615	80,708	79,863	86,157	82,659	77,026	87,57
	P95	163,975	177,244	185,365	212,841	186,692	148,392	138,293	141,029	135,45	146,066	143,942	132,597	164,313	175,112	193,537	191,388	191,388	191,484	147,782	130,34	129,835	134,779	152,977	153,311	141,807
Load	MEAN	-336,098	-313,577	-298,622	-311,73	-405,967	-370,073	-312,33	-340,227	-320,399	-384,301	-390,192	-343,538	-351,066	-315,575	-312,33	-300,959	-334,233	-409,801	-371,812	-314,186	-334,691	-400,218	-405,818	-344,96	-352,303
	P5	-343,816	-319,955	-303,17	-337,61	-423,937	-383,777	-318,941	-346,968	-325,775	-394,774	-408,062	-352,437	-358,897	-322,887	-305,263	-340,263	-426,099	-383,795	-320,22	-337,447	-341,696	-409,985	-424,083	-353,807	-361,513
	P95	-329,643	-308,495	-293,88	-326,132	-389,43	-357,291	-306,76	-333,715	-314,231	-374,992	-374,372	-335,364	-344,079	-309,633	-295,063	-329,013	-392,254	-358,238	-308,704	-324,703	-329,492	-390,045	-390,017	-336,708	-344,26
Morgan 509 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0,896	0,853	0,76	1,664	5,393	1,223	2,119	1,26	0,869	0,759	0,572	0,362	0,865	0,788	0,699	1,599	5,327	1,16	2,056	1,15	0,842	0,789	0,595	0,362	0,865
	P5	0,896	0,853	0,76	1,664	5,393	1,223	2,119	1,26	0,869	0,759	0,572	0,362	0,865	0,788	0,699	1,599	5,327	1,16	2,056	1,15	0,842	0,789	0,595	0,362	0,865
	P95	0,896	0,853	0,76	1,664	5,393	1,223	2,119	1,26	0,869	0,759	0,572	0,362	0,865	0,788	0,699	1,599	5,327	1,16	2,056	1,15	0,842	0,789	0,595	0,362	0,865
Small Tier II	MEAN	2,863	3,201	2,651	3,905	3,881	3,086	3,358	3,993	2,979	2,6	2,147	1,779	2,973	3,201	2,651	3,905	3,506	2,725	2,999	3,484	2,745	2,325	1,871	1,41	2,598
	P5	2,863	3,201	2,651	3,905	3,881	3,086	3,358	3,993	2,979	2,6	2,147	1,779	2,973	3,201	2,651	3,905	3,506	2,725	2,999	3,484	2,745	2,325	1,871	1,41	2,598
	P95	2,863	3,201	2,651	3,905	3,881	3,086	3,358	3,993	2,979	2,6	2,147	1,779	2,973	3,201	2,651	3,905	3,506	2,725	2,999	3,484	2,745	2,325	1,871	1,41	2,598
Tiber	MEAN	2,33	2,384						1,978	2,136	2,176	2,101	2,419	2,384								2,06	2,219	2,263	2,101	2,419
	P5	2,33	2,384						1,978	2,136	2,176	2,101	2,419	2,384								2,06	2,219	2,263	2,101	2,419
	P95	2,33	2,384						1,978	2,136	2,176	2,101	2,419	2,384								2,06	2,219	2,263	2,101	2,419
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN			1,966	4,652	5,543	3,988	1,387	0,018							1,966	4,652	5,543	3,988	1,387	0,017					
	P5			1,966	4,652	5,543	3,988	1,387	0,018							1,966	4,652	5,543	3,988	1,387	0,017					
	P95			1,966	4,652	5,543	3,988	1,387	0,018							1,966	4,652	5,543	3,988	1,387	0,017					
Physical Instrument - Total	MEAN	6,089	6,438	5,376	10,22	14,817	8,297	6,864	5,271	5,826	5,496	4,895	4,242	6,257	6,373	5,316	10,155	14,377	7,873	6,442	4,651	5,647	5,332	4,73	3,873	5,882
	P5	6,089	6,438	5,376	10,22	14,817	8,297	6,864	5,271	5,826	5,496	4,895	4,242	6,257	6,373	5,316	10,155	14,377	7,873	6,442	4,651	5,647	5,332	4,73	3,873	5,882
	P95	6,089	6,438	5,376	10,22	14,817	8,297	6,864	5,271	5,826	5,496	4,895	4,242	6,257	6,373	5,316	10,155	14,377	7,873	6,442	4,651	5,647	5,332	4,73	3,873	5,882
Deer Creek Solar	MEAN	0,406	0,579	0,581	0,673	0,784	0,71	0,52	0,402	0,171	0,139	0,149	0,279	0,424	0,576	0,578	0,672	0,78	0,706	0,517	0,383	0,176	0,145	0,155	0,28	0,421
	P5	0,063	0,15	0,131	0,123	0,454	0,032	0,051	0,031	0,053	0,013	0,035	0,073	0,168	0,123	0,117	0,445	0,277	0,042	0,035	0,049	0,028	0,056	0,008	0,036	0,083
	P95	0,739	0,863	0,879	1,012	0,983	0,935	0,854	0,795	0,498	0,345	0,472	0,702	0,761	0,871	0,882	1,008	0,983	0,945	0,845	0,77	0,502	0,325	0,461	0,701	0,775
Distributed Generation	MEAN	1,092	1,286	1,343	1,486	1,632	1,435	1,178	0,945	0,832	0,599	0,832	1,225	1,392	1,451	1,609	1,766	1,544	1,266	0,986	0,658	0,572	0,617	0,899	1,324	
	P5	0,652	0,616	0,575	0,208	0,036	0,076	0,187	0,407	0,395	0,34	0,442	0,361	0,756	0,696	0,588	0,225	0,045	0,055	0,285	0,454	0,466	0,405	0,497	0,426	0,842
	P95	1,518	2,162	2,345	2,741	2,762	2,472	2,204	1,654	0,681	0,828	1,567	1,709	2,429	2,612	2,896	2,993	2,72	2,323	1,714	0,919	0,777	0,882	1,636	1,816	
Fairfield	MEAN	1,951	2,035	0,795	1,257	1,013	0,929	1,198	2,155	2,028	2,157	2,266	1,507	2,045	2,03	0,789	1,256	1,028	0,935	1,192	2,071	2,117	2,254	2,433	1,511	2,04
	P5	1,555	1,783	0,536	0,996	0,757	0,673	0,859	1,753	1,636	1,723	1,812	1,072	1,702	0,531	1,002	1,028	0,787	0,902	1,75	1,585	1,752	2,007	1,166	1,769	
	P95	2,317	2,337	1,077	1,626	1,321	1,177	1,582	2,522	2,415	2,638	2,713	1,895	2,398	2,308	1,198	1,563	1,281	1,158	1,5	2,427	2,613	2,712	2,862	1,89	2,399
Gordon Butte	MEAN	2,318	2,06	1,344	1,648	1,054	1,242	1,019	2,415	2,124	2,855	2,218	2,424	2,855	2,124	1,406	2,058	1,647	1,283	2,058	2,571	2,824	3			

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024	2024-02	2024-03	2024-04
Basin Creek	MEAN	1.19	0.741	0.121	3.612	7.105	3.179	0.571	1.631	3.787	2.771	1.444	0.865	1.157	0.74	0.085	3.783	7.32	3.223	0.514	1.653	3.712	3.096	1.787	0.88	1.197
	P5	0.	0.	0.022	1.954	0.022	0.	0.056	0.047	0.268	0.056	0.	0.	0.	0.	0.	0.094	0.123	0.	0.034	0.073	0.168	0.112	0.011	0.022	
	P95	3.849	3.634	0.614	9.001	12.439	11.152	2.67	5.438	9.491	7.97	5.189	2.534	3.363	2.46	0.32	8.288	12.173	8.739	2.125	5.289	9.358	6.948	4.377	2.782	3.517
CELP 2015	MEAN	15.968	16.104	16.457	15.482	15.589	16.247	16.805	15.778	17.234	16.157	15.202	13.57	15.402	16.795	16.53	15.519	16.277	16.873	15.828	15.964	16.725	16.13	15.396	12.991	16.086
	P5	15.348	15.632	15.756	14.269	14.746	15.859	16.375	15.208	16.644	15.651	14.782	12.649	14.853	16.355	15.962	14.367	14.784	15.784	16.375	15.336	15.395	15.693	14.858	12.088	15.493
	P95	16.582	16.437	17.016	16.52	16.387	16.479	17.139	16.364	17.666	16.788	15.673	14.615	16.024	17.098	16.52	16.396	16.507	17.16	16.344	16.479	16.684	15.97	14.181	16.788	
Colstrip 3	MEAN	33.134	30.751	34.475	37.323	42.223	39.271	39.228	38.3	43.223	40.554	36.664	38.848	32.763	3.714	8.123	37.407	42.828	39.371	39.99	38.509	39.758	40.314	37.849	37.502	34.193
	P5	23.065	18.388	14.198	29.525	32.893	29.386	25.988	28.786	35.047	33.133	28.326	28.541	20.9	1.44	3.441	29.581	34.802	30.685	24.614	30.388	30.993	31.287	26.965	24.815	21.767
	P95	41.896	41.514	44.311	43.815	47.176	44.238	45.744	43.991	47.759	45.816	41.967	46.25	41.311	4.916	10.008	44.225	47.363	44.319	45.992	43.843	44.256	45.567	43.838	44.427	43.841
Colstrip 4	MEAN	33.871	6.446	5.435	37.82	42.183	39.434	38.631	38.261	42.957	39.624	36.655	38.333	33.207	32.895	35.992	38.107	42.776	39.875	39.338	38.818	39.966	39.973	38.265	37.193	35.06
	P5	22.651	3.721	2.289	26.058	34.051	31.538	26.034	28.684	34.963	30.461	27.543	27.737	23.946	20.474	15.975	27.256	34.733	30.432	27.395	30.45	32.595	30.788	29.194	24.092	21.923
	P95	41.635	8.394	6.844	44.148	47.051	44.276	45.272	43.946	47.718	45.818	41.829	46.25	40.739	42.875	44.119	44.306	47.408	44.328	45.965	43.919	44.27	45.398	43.825	44.459	43.39
CX CCCT1	MEAN																									
	P5																									
	P95																									
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN	1.584	1.164	0.393	3.627	4.726	3.993	1.857	2.875	3.965	3.456	2.349	1.777	1.549	1.257	0.344	3.816	4.795	4.234	1.991	2.95	3.789	3.578	2.546	1.75	1.666
	P5	0.238	0.094	0.017	1.556	3.052	1.352	0.119	1.224	2.049	1.675	0.927	0.468	0.391	0.196	0.	2.355	3.732	2.125	0.204	1.08	2.066	1.522	1.029	0.561	0.527
	P95	2.873	2.533	1.352	5.508	5.933	6.214	4.684	4.522	5.831	5.219	4.004	3.077	2.746	2.584	0.969	6.12	5.865	6.069	4.403	4.811	5.542	5.236	3.91	3.222	3.205
CX Recip10	MEAN	1.584	1.175	0.395	3.629	4.704	3.991	1.878	2.863	3.94	3.454	2.344	1.774	1.557	1.263	0.344	3.821	4.812	4.216	1.974	2.946	3.785	3.578	2.534	1.755	1.661
	P5	0.238	0.094	0.017	1.556	3.043	1.369	0.128	1.199	2.023	1.649	0.927	0.468	0.391	0.213	0.	2.253	3.638	2.125	0.204	1.08	2.066	1.513	1.029	0.561	0.51
	P95	2.839	2.533	1.488	5.84	5.874	6.214	4.684	4.599	5.797	5.219	4.029	3.086	2.771	2.584	0.961	6.12	5.899	6.078	4.369	4.811	5.568	5.177	3.91	3.222	3.247
CX Recip3	MEAN	1.591	1.16	0.389	3.6	4.733	3.999	1.872	2.883	3.956	3.464	2.344	1.786	1.541	1.273	0.344	3.796	4.8	4.229	1.995	2.953	3.77	3.575	2.546	1.762	1.661
	P5	0.238	0.094	0.017	1.556	3.154	1.394	0.145	1.224	2.074	1.683	0.927	0.468	0.391	0.213	0.	2.355	3.766	2.049	0.204	1.046	2.066	1.479	1.029	0.561	0.527
	P95	2.899	2.533	1.411	5.84	5.848	6.214	4.684	4.599	5.797	5.219	4.029	3.06	2.771	2.584	0.961	6.052	5.865	6.078	4.403	4.811	5.5	5.177	3.91	3.188	3.247
CX Recip4	MEAN	1.593	1.169	0.391	3.625	4.716	3.992	1.864	2.877	3.983	3.477	2.348	1.775	1.558	1.266	0.342	3.8	4.81	4.211	1.982	2.946	3.784	3.585	2.546	1.748	1.667
	P5	0.238	0.094	0.009	1.556	2.924	1.394	0.145	1.224	2.074	1.717	0.927	0.459	0.391	0.213	0.	2.338	3.774	2.125	0.204	1.071	2.066	1.505	1.029	0.561	0.527
	P95	2.873	2.533	1.437	5.704	5.823	6.018	4.565	4.539	5.831	5.151	4.029	3.111	2.763	2.584	0.969	6.12	5.899	6.078	4.378	4.76	5.568	5.202	3.91	3.222	3.205
CX Recip5	MEAN																									
	P5																									
	P95																									
CX Recip6	MEAN																									
	P5																									
	P95																									
CX Recip7	MEAN																									
	P5																									
	P95																									
CX Recip8	MEAN																									
	P5																									
	P95																									
CX Recip9	MEAN																									
	P5																									
	P95																									
David Gates Generating Station	MEAN	18.843	16.329	13.538	26.841	36.105	28.904	17.585	21.73	29.709	26.05	19.211	18.348	18.305	17.199	13.378	28.027	36.674	30.173	17.933	22.319	28.207	26.798	21.061	17.847	19.177
	P5	13.043	12.25	12.48	14.625	26.498	15.963	12.48	14.725	18.635	16.255	13.17	13.71	12.775	12.93	12.48	15.688	28.948	17.55	12.68	13.975	18.838	16.03	14.475	13.355	13.48
	P95	26.005	23.45	16.755	38.913	44.123	46.075	30.43	33.35	42.298	36.78	26.008	23.76	25.225	22.28	15.593	40.488	42.973	42.7	29.605	32.613	39.325	35.268	28.9	24.818	26.58
YELP	MEAN	24.583	23.833	22.051	23.204	23.887	24.405	22.733	23.632	25.888	21.848	21.539	24.67	23.714	24.832	22.102	23.252	24.004	24.447	22.837	23.712	23.981	21.876	21.821	23.706	24.729
	P5	23.784	22.915	20.738	21.424	22.635	23.731	20.976	22.747	24.974	20.641	20.733	23.704	22.977	24.019	21.043	21.468	22.692	23.669	21.168	22.915	23.111	20.772	20.692	22.844	24.063
	P95	25.399	24.654	22.35	24.84	24.995	24.778	24.665	24.548	26.548	23.528	22.751	25.784	24.498	25.523	22.35	24.84	24.								

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2022-04	2022-05	2022-06	2022-07	2022-08	2022-09	2022-10	2022-11	2022-12	2023	2023-02	2023-03	2023-04	2023-05	2023-06	2023-07	2023-08	2023-09	2023-10	2023-11	2023-12	2024	2024-02	2024-03	2024-04
Sleeping Giant	MEAN	3.325	3.197	3.324	3.196	3.453	3.199	0.759	0.78	0.405	0.382	0.572	1.424	3.197	3.323	3.322	3.197	3.453	3.2	0.759	0.78	0.375	0.382	0.575	1.37	3.325
	P5	3.299	3.164	3.292	3.16	3.421	3.156	0.75	0.767	0.4	0.36	0.565	1.405	3.16	3.288	3.287	3.168	3.427	3.155	0.767	0.37	0.359	0.357	0.569	1.37	3.292
	P95	3.359	3.228	3.358	3.224	3.483	3.242	0.768	0.794	0.41	0.408	0.579	1.438	3.229	3.354	3.353	3.234	3.483	3.239	0.768	0.792	0.38	0.409	0.581	1.383	3.357
Thompson Falls	MEAN	30.561	33.289	33.844	30.362	19.585	15.454	18.347	20.207	20.341	21.944	20.844	23.248	29.393	34.572	33.851	30.129	19.582	15.439	18.324	20.253	22.539	21.943	20.992	22.337	30.593
	P5	24.77	24.892	27.326	22.402	15.567	12.383	14.03	15.411	18.518	17.149	16.305	17.628	21.312	25.326	26.206	22.248	15.629	11.682	14.581	15.882	17.163	15.777	16.553	17.05	23.157
	P95	38.264	40.646	41.07	37.104	24.569	19.352	23.233	25.725	31.1	27.573	24.825	28.204	37.977	44.536	42.369	37.651	32.359	18.834	22.347	25.229	29.178	26.968	26.464	26.696	36.338
Hydro - Total	MEAN	134.811	144.459	153.913	131.167	118.012	99.801	101.976	103.59	117.384	110.523	105.193	121.459	129.69	150.194	153.986	131.621	118.063	99.744	101.731	103.934	108.55	110.588	106.02	116.561	134.844
	P5	104.3	105.331	120.393	94.356	91.196	77.979	77.261	77.239	84.921	82.966	78.624	88.721	92.143	105.925	116.552	92.317	92.232	78.795	79.864	79.864	79.864	84.374	80.849	85.409	97.864
	P95	179.468	186.162	199.281	171.212	156.293	130.987	135.449	141.023	161.186	149.242	131.612	157.407	179.671	205.643	209.995	172.621	143.45	128.086	130.601	134.099	147.001	147.187	147.678	143.298	167.587
Load	MEAN	-316.804	-303.251	-335.639	-383.685	-386.808	-315.781	-331.176	-403.19	-410.576	-347.022	-354.595	-307.431	-315.482	-337.609	-384.728	-388.739	-317.243	-338.801	-20.239	-375.815	-412.044	-358.981	-343.814	-321.053	
	P5	-323.233	-307.34	-343.733	-405.818	-401.078	-323.248	-337.801	-342.242	-413.652	-428.255	-355.487	-362.8	-314.325	-319.929	-345.211	-404.381	-406.968	-326.173	-338.72	-345.658	-388.66	-430.455	-364.937	-350.764	-327.392
	P95	-311.404	-298.374	-329.758	-367.461	-373.357	-308.066	-324.899	-329.722	-390.635	-389.057	-336.183	-345.799	-301.132	-310.936	-331.68	-366.78	-376.43	-310.154	-327.834	-331.023	-362.835	-392.916	-345.582	-337.081	-314.165
Morgan 5 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0.788	0.699	1.599	4.858	1.123	1.978	1.072	0.764	0.707	0.517	0.282	0.783	0.679	0.649	1.517	4.858	1.123	1.978	1.072	0.764	0.654	0.517	0.283	0.754	0.706
	P5	0.788	0.699	1.599	4.858	1.123	1.978	1.072	0.764	0.707	0.517	0.282	0.783	0.679	0.649	1.517	4.858	1.123	1.978	1.072	0.764	0.654	0.517	0.283	0.754	0.706
	P95	0.788	0.699	1.599	4.858	1.123	1.978	1.072	0.764	0.707	0.517	0.282	0.783	0.679	0.649	1.517	4.858	1.123	1.978	1.072	0.764	0.654	0.517	0.283	0.754	0.706
Small Tier II	MEAN	2.828	2.303	3.531	3.246	2.829	2.999	3.484	2.745	2.325	1.871	1.41	2.598	2.719	2.395	3.531	3.178	2.756	2.929	3.414	2.674	2.084	1.801	1.345	2.43	2.755
	P5	2.828	2.303	3.531	3.246	2.829	2.999	3.484	2.745	2.325	1.871	1.41	2.598	2.719	2.395	3.531	3.178	2.756	2.929	3.414	2.674	2.084	1.801	1.345	2.43	2.755
	P95	2.828	2.303	3.531	3.246	2.829	2.999	3.484	2.745	2.325	1.871	1.41	2.598	2.719	2.395	3.531	3.178	2.756	2.929	3.414	2.674	2.084	1.801	1.345	2.43	2.755
Tiber	MEAN	2.384							2.06	2.219	2.263	2.101	2.419	2.293							2.06	2.054	2.263	2.113	2.33	2.384
	P5	2.384							2.06	2.219	2.263	2.101	2.419	2.293							2.06	2.054	2.263	2.113	2.33	2.384
	P95	2.384							2.06	2.219	2.263	2.101	2.419	2.293							2.06	2.054	2.263	2.113	2.33	2.384
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN		1.966	4.652	5.133	4.142	1.387	0.017							2.045	4.652	5.133	4.142	1.387	0.017						
	P5		1.966	4.652	5.133	4.142	1.387	0.017							2.045	4.652	5.133	4.142	1.387	0.017						
	P95		1.966	4.652	5.133	4.142	1.387	0.017							2.045	4.652	5.133	4.142	1.387	0.017						
Physical Instrument - Total	MEAN	6.	4.968	9.782	13.237	8.094	6.364	4.573	5.569	5.25	4.651	3.793	5.8	5.691	5.089	9.7	13.169	8.02	6.294	4.503	5.499	4.793	4.581	3.742	5.514	5.845
	P5	6.	4.968	9.782	13.237	8.094	6.364	4.573	5.569	5.25	4.651	3.793	5.8	5.691	5.089	9.7	13.169	8.02	6.294	4.503	5.499	4.793	4.581	3.742	5.514	5.845
	P95	6.	4.968	9.782	13.237	8.094	6.364	4.573	5.569	5.25	4.651	3.793	5.8	5.691	5.089	9.7	13.169	8.02	6.294	4.503	5.499	4.793	4.581	3.742	5.514	5.845
Deer Creek Solar	MEAN	0.572	0.574	0.67	0.717	0.732	0.513	0.381	0.176	0.143	0.152	0.278	0.419	0.547	0.596	0.666	0.713	0.727	0.514	0.382	0.175	0.131	0.152	0.278	0.4	0.569
	P5	0.156	0.124	0.125	0.397	0.277	0.039	0.049	0.019	0.056	0.014	0.044	0.073	0.174	0.128	0.103	0.374	0.281	0.015	0.043	0.03	0.046	0.017	0.044	0.068	0.153
	P95	0.868	0.881	1.013	0.913	0.988	0.833	0.737	0.499	0.314	0.442	0.676	0.751	0.833	0.916	1.007	0.912	0.966	0.845	0.745	0.494	0.325	0.502	0.701	0.708	0.87
Distributed Generation	MEAN	1.506	1.566	1.734	1.762	1.739	1.369	1.063	0.71	1.326	1.432	1.56	1.759	1.875	1.956	1.875	1.906	1.871	1.479							
	P5	0.755	0.68	0.246	0.049	0.061	0.282	0.477	0.485	0.435	0.526	0.468	0.856	0.722	0.688	0.182	0.037	0.053	0.271	0.492	0.542	0.446	0.562	0.482	0.889	0.823
	P95	2.561	2.721	3.215	2.945	3.111	2.56	1.921	0.999	0.818	0.954	1.86	2.025	2.54	3.133	3.381	3.194	3.402	2.715	1.917	1.042	0.811	1.024	1.935	1.997	2.86
Fairfield	MEAN	2.03	0.793	1.251	0.949	0.961	1.176	2.06	2.121	2.25	2.335	1.508	2.031	1.946	0.84	1.255	0.944	0.964	1.185	2.084	2.128	2.073	2.332	1.499	1.964	2.028
	P5	1.692	0.513	0.986	0.644	0.726	0.927	1.672	1.7	1.788	1.927	1.163	1.678	1.678	0.537	0.942	0.742	0.749	1.979	3.117	1.671	1.689	1.899	1.128	1.614	1.731
	P95	2.364	1.039	1.573	1.287	1.221	1.469	2.457	2.555	2.722	2.948	1.864	2.436	2.248	1.153	1.533	1.222	1.257	1.462	2.564	2.496	2.576	2.793	1.971	2.28	2.324
Gordon Butte	MEAN	2.05	1.334	1.641	0.982	1.059	1.388	2.049	2.568	2.859	2.95	2.22	2.408	1.966	1.645	2.058	1.953	1.986	2.076	2.521	2.639	2.26	2.22	2.333	2.054	
	P5	1.609																								

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026	2026-02	2026-03	2026-04	2026-05	
Basin Creek	MEAN	0.866	0.123	4.2	7.501	3.156	0.576	1.65	3.65	3.061	1.572	0.855	1.212	0.928	0.121	4.12	7.42	3.506	0.621	1.719	4.026	3.124	1.73	1.02	1.321	0.892	
	P5	0.	0.	0.	2.798	0.112	0.	0.	0.045	0.387	0.212	0.078	0.	0.	0.	0.	2.688	0.112	0.	0.011	0.462	0.089	0.045	0.	0.	0.	
	P95	2.811	0.443	9.318	12.848	8.97	2.874	4.589	8.339	8.119	4.203	2.576	3.877	3.096	0.584	9.324	12.482	9.806	3.49	5.408	8.396	9.11	5.367	3.529	4.336	3.002	
CELP 2015	MEAN	16.747	15.923																								
	P5	16.009	15.181																								
	P95	17.078	16.499																								
Colstrip 3	MEAN	32.984	33.579	39.211	42.565	38.056	41.321	38.103	40.31	40.691	37.345	37.932	34.299	33.431	34.258	39.629	40.94	39.812	41.522	36.876	41.909	41.447	37.027	38.106	35.11	10.454	
	P5	20.52	12.766	29.399	32.756	28.65	26.361	30.097	33.36	32.568	28.206	24.923	20.1	18.235	13.855	31.645	32.519	29.56	28.597	24.214	33.862	34.93	26.062	27.79	23.39	5.409	
	P95	42.64	42.734	46.026	47.428	42.521	47.601	44.175	44.234	45.857	42.145	45.299	43.151	42.649	43.018	45.362	45.503	44.306	47.655	42.251	46.118	45.758	42.025	44.42	43.987	13.539	
Colstrip 4	MEAN	32.663	34.255	39.33	42.563	38.027	40.519	38.752	40.139	40.122	36.824	37.695	34.804	10.488	9.603	39.982	41.276	40.225	40.775	37.522	41.891	40.906	37.295	37.741	34.991	32.119	
	P5	20.1	12.983	29.709	33.866	31.339	29.392	30.893	30.843	31.62	27.178	25.746	20.732	6.444	3.36	31.846	33.182	32.39	29.089	30.365	32.378	32.733	28.68	25.238	23.033	20.526	
	P95	42.374	42.968	46.127	47.394	42.485	47.592	44.063	44.279	45.762	42.273	45.299	42.803	13.627	12.075	45.362	45.672	44.337	47.637	42.381	46.118	45.861	42.3	44.555	43.806	41.682	
CX CCCT1	MEAN									85.015	75.87	81.372	85.992	78.213	93.295	109.668	103.868	98.796	87.989	79.348	87.659	84.509	76.09	81.195	86.388	80.373	
	P5									77.11	69.838	73.195	70.366	45.603	2.413	95.004	93.222	85.847	80.495	70.36	77.321	75.686	69.227	74.181	68.033	49.163	
	P95									94.176	83.297	89.488	96.8	101.653	117.18	123.473	113.851	110.637	98.93	89.089	97.591	95.511	84.635	90.167	97.958	99.777	
CX FrameCT1	MEAN																										
	P5																										
	P95																										
CX Recip1	MEAN	1.341	0.409	3.95	4.897	4.178	2.175	3.04	3.895	3.636	2.526	1.691	1.444	0.457	4.267	4.817	4.494	2.217	2.991	4.121	3.71	2.542	1.817	1.779	1.39		
	P5	0.187	0.	1.726	3.579	2.321	0.281	1.19	1.76	1.743	1.054	0.451	0.34	0.298	0.	2.125	3.426	2.55	0.298	1.046	1.87	1.904	1.029	0.417	0.391	0.468	
	P95	2.78	1.275	5.814	6.18	5.95	4.964	4.718	5.474	5.296	3.953	3.417	2.95	2.644	1.709	6.902	5.806	6.299	5.245	4.752	5.636	5.678	4.361	3.536	3.417	2.831	
CX Recip10	MEAN																										
	P5																										
	P95																										
CX Recip2	MEAN	1.356	0.408	3.958	4.896	4.173	2.157	3.037	3.905	3.632	2.529	1.766	1.677	1.45	0.453	4.275	4.831	4.511	2.234	2.984	4.136	3.692	2.533	1.818	1.796	1.392	
	P5	0.187	0.	1.726	3.579	2.236	0.298	1.124	1.743	1.862	1.054	0.357	0.34	0.315	0.	2.219	3.528	2.533	0.298	1.046	1.87	1.828	1.029	0.417	0.391	0.434	
	P95	2.78	1.275	5.814	6.239	6.001	4.828	4.752	5.525	5.389	4.021	3.417	2.933	2.754	1.743	6.868	5.814	6.307	5.219	4.871	5.678	5.678	4.344	3.536	3.451	2.831	
CX Recip3	MEAN	1.339	0.406	3.935	4.9	4.184	2.155	3.04	3.912	3.649	2.529	1.77	1.705	1.45	0.451	4.243	4.811	4.486	2.228	3.	4.13	3.686	2.545	1.821	1.781	1.393	
	P5	0.145	0.	1.726	3.562	2.312	0.298	1.224	1.76	1.768	1.054	0.451	0.34	0.315	0.	2.185	3.434	2.542	0.298	1.003	1.87	1.836	1.029	0.417	0.391	0.468	
	P95	2.746	1.216	5.814	6.239	5.95	4.964	4.76	5.551	5.33	4.004	3.417	2.967	2.746	1.743	6.817	5.78	6.299	5.296	4.871	5.721	5.568	4.386	3.553	3.417	2.831	
CX Recip4	MEAN	1.355	0.406	3.953	4.901	4.172	2.158	3.025	3.912	3.639	2.525	1.762	1.692	1.443	0.456	4.265	4.835	4.501	2.228	2.998	4.157	3.705	2.531	1.824	1.791	1.39	
	P5	0.187	0.	1.624	3.511	2.253	0.298	1.224	1.76	1.836	0.935	0.451	0.34	0.315	0.	2.219	3.528	2.55	0.298	1.02	1.87	1.836	1.029	0.4	0.391	0.425	
	P95	2.78	1.275	5.814	6.137	6.001	4.964	4.718	5.474	5.389	4.021	3.417	2.95	2.754	1.743	6.868	5.865	6.307	5.024	4.871	5.721	5.627	4.361	3.536	3.434	2.746	
CX Recip5	MEAN	1.453	0.438	4.272	5.308	4.534	2.332	3.283	4.242	3.959	2.724	1.914	1.852	1.561	0.49	4.607	5.206	4.889	2.415	1.914	3.228	4.476	3.989	2.727	1.984	1.95	1.509
	P5	0.202	0.	1.794	3.698	2.512	0.313	1.325	1.904	1.987	1.141	0.488	0.368	0.34	0.	2.401	3.818	2.76	0.322	1.132	2.006	2.024	1.04	0.432	0.386	0.506	
	P95	2.999	1.316	6.293	6.624	6.449	5.336	5.115	5.998	5.732	4.342	3.698	3.211	2.87	1.849	7.424	6.238	6.826	5.704	5.152	6.182	6.054	4.692	3.846	3.754	3.064	
CX Recip6	MEAN																										
	P5																										
	P95																										
CX Recip7	MEAN																										
	P5																										
	P95																										
CX Recip8	MEAN																										
	P5																										
	P95																										
CX Recip9	MEAN																										
	P5																										
	P95																										
David Gates Generating Station	MEAN	17.792	13.101	29.262	37.27	29.807	19.132	22.483	28.673	26.992	20.083	17.774	19.409	18.081	13.243	30.53	36.536	31.991	19.483	22.128	30.589	27.07	20.221	18.247	19.985	17.542	
	P5	12.83	12.	13.493	28.935	18.433	13.31	14.063	17.263	16.43	13.908	12.98	13.23	13.28	12.	17.993	27.105	18.763	13.235	13.62	19.53	17.63	13.02	12.98	13.455	12.363	
	P95	24.743	15.625	38.718	44.748	42.658	32.285	33.05	39.075	37.268	26.995	24.255	26.605	23.855	16.6	42.268	44.13	44.5	35.16	32.408	40.443	39.268	30.22	26.705	29.805	24.1	
YELP	MEAN	24.781	21.989	23.961	24.043	23.462	23.677	23.759	24.2	21.923	21.585	23.808	24.793	24.655	22.049	24.039	23.381	24.459	23.725	22.786	25.097	21.928	21.556	23.893	24.785	23.749	
	P5	23.677	20.829	22.114	22.977	22.666	21.839	22.902	23.577	20.695	20.753	22.781	24.11	23.739	20.99	22.16	22.252	23.587	21.964	21.816	24.198	20.602	20.578	22.844	24.001	22.684	
	P95	25.501	22.35	25.834	25.145	23.846	25.513	24.467	24.694	23.078	22.398	24.893	25.616	25.523	22.35	25.834	24.425	24.778	25.119	23.505	25.683	23.28	22.938	24.893	25.585	24.592	
Black Eagle	MEAN	8.037	7.69	6.748	6.735	5.3	5.845	6.131	5.46	5.498	5.523	6.978	7.716	8.061	7.659	6.762	6.496	5.525	5.857	5.777	5.66	5.497	5.522	6.973	7.766	7.723	
	P5	6.301	5.937	5.159	4.934	4.177	4.487	4.822	4.194	4.134	4.311	5.428	6.4	6.039	4.827	5.028	4.783	4.998	3.987	4.416	4.659	4.192	4.333	5.555			

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2024-05	2024-06	2024-07	2024-08	2024-09	2024-10	2024-11	2024-12	2025	2025-02	2025-03	2025-04	2025-05	2025-06	2025-07	2025-08	2025-09	2025-10	2025-11	2025-12	2026	2026-02	2026-03	2026-04	2026-05
Sleeping Giant	MEAN	3.327	3.197	3.325	3.452	3.073	0.789	0.78	0.375	0.381	0.572	1.371	3.324	3.324	3.194	3.325	3.324	3.202	0.789	0.749	0.39	0.382	0.571	1.371	3.326	3.196
	P5	3.284	3.163	3.298	3.416	3.04	0.789	0.769	0.37	0.359	0.562	1.352	3.291	3.287	3.161	3.289	3.286	3.161	0.78	0.736	0.385	0.358	0.568	1.354	3.298	3.157
	P95	3.361	3.225	3.354	3.479	3.102	0.798	0.793	0.38	0.4	0.579	1.385	3.354	3.354	3.225	3.359	3.361	3.239	0.796	0.761	0.394	0.402	0.578	1.388	3.355	3.228
Thompson Falls	MEAN	34.498	32.635	31.229	14.821	19.011	20.245	22.573	21.963	20.851	22.333	30.484	34.643	32.509	31.279	18.868	15.452	19.03	19.416	23.401	21.96	20.885	22.333	30.64	33.167	
	P5	26.572	25.526	24.684	14.256	11.818	14.913	16.465	17.545	16.811	16.143	17.252	25.268	25.17	26.358	23.106	14.525	11.259	14.703	15.41	17.394	16.589	16.375	17.592	23.679	24.926
	P95	41.549	40.549	39.512	24.356	18.516	24.356	24.349	27.606	27.598	26.017	27.409	36.069	44.667	38.579	37.986	23.663	19.205	23.927	23.739	29.34	27.05	25.674	26.94	37.54	42.184
Hydro - Total	MEAN	149.856	148.533	136.38	117.968	95.599	105.629	103.94	108.95	110.76	105.354	116.554	134.326	150.594	147.771	136.563	113.67	99.719	105.809	99.512	112.78	110.806	105.43	116.515	135.141	144.075
	P5	111.461	112.159	104.022	84.035	74.262	81.22	83.497	80.739	81.105	78.976	84.297	106.93	105.708	115.42	97.831	85.087	71.792	79.635	79.635	80.923	79.635	80.246	87.125	99.671	103.134
	P95	192.159	196.079	182.943	152.37	123.561	143.833	129.529	145.878	149.124	140.652	153.067	168.552	206.976	185.763	172.827	151.827	126.687	139.72	128.81	152.051	144.315	140.143	146.388	177.015	189.651
Load	MEAN	-317.828	-327.367	-403.448	-390.1	-307.402	-347.792	-340.736	-378.191	-416.355	-351.831	-346.686	-324.048	-319.791	-320.317	-408.046	-380.803	-321.364	-351.079	-349.684	-396.513	-419.634	-355.215	-349.484	-327.058	-311.386
	P5	-323.411	-334.079	-422.142	-403.997	-316.267	-355.202	-347.581	-390.753	-436.513	-360.608	-354.472	-331.294	-324.799	-337.632	-434.621	-396.913	-328.394	-357.378	-336.698	-407.786	-436.919	-363.995	-357.34	-334.895	-315.943
	P95	-312.369	-321.051	-385.558	-375.862	-300.271	-341.935	-333.949	-367.148	-392.046	-343.115	-338.276	-317.662	-315.365	-324.386	-389.227	-365.076	-314.285	-346.186	-322.344	-383.848	-400.135	-346.52	-341.582	-320.541	-307.129
Morgan S 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0.649	1.459	0.502	1.123	1.899	1.113	0.764	0.654	0.517	0.282	0.754	0.706	0.649	1.459	0.502	1.081	1.978	1.113	0.734	0.68	0.517	0.282	0.754	0.706	0.624
	P5	0.649	1.459	0.502	1.123	1.899	1.113	0.764	0.654	0.517	0.282	0.754	0.706	0.649	1.459	0.502	1.081	1.978	1.113	0.734	0.68	0.517	0.282	0.754	0.706	0.624
	P95	0.649	1.459	0.502	1.123	1.899	1.113	0.764	0.654	0.517	0.282	0.754	0.706	0.649	1.459	0.502	1.081	1.978	1.113	0.734	0.68	0.517	0.282	0.754	0.706	0.624
Small Tier II	MEAN	2.324	3.325	0.115	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.025	0.07	0.081
	P5	2.324	3.325	0.115	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.025	0.07	0.081
	P95	2.324	3.325	0.115	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.025	0.07	0.081
Tiber	MEAN																									
	P5																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN	2.045	4.473	5.338	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966
	P5	2.045	4.473	5.338	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966
	P95	2.045	4.473	5.338	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966
Physical Instrument - Total	MEAN	5.018	9.257	10.505	5.396	3.341	1.218	0.824	0.668	0.532	0.296	0.779	0.776	2.777	6.056	10.505	5.196	3.48	1.218	0.791	0.694	0.532	0.296	0.779	0.776	2.67
	P5	5.018	9.257	10.505	5.396	3.341	1.218	0.824	0.668	0.532	0.296	0.779	0.776	2.777	6.056	10.505	5.196	3.48	1.218	0.791	0.694	0.532	0.296	0.779	0.776	2.67
	P95	5.018	9.257	10.505	5.396	3.341	1.218	0.824	0.668	0.532	0.296	0.779	0.776	2.777	6.056	10.505	5.196	3.48	1.218	0.791	0.694	0.532	0.296	0.779	0.776	2.67
Deer Creek Solar	MEAN	0.59	0.636	0.741	0.724	0.491	0.392	0.174	0.128	0.152	0.276	0.399	0.567	0.589	0.633	0.74	0.694	0.51	0.389	0.167	0.135	0.152	0.273	0.4	0.564	0.564
	P5	0.127	0.11	0.383	0.278	0.015	0.043	0.031	0.047	0.01	0.029	0.062	0.183	0.09	0.099	0.352	0.263	0.002	0.042	0.018	0.057	0.012	0.023	0.073	0.167	0.083
	P95	0.917	0.977	0.952	0.969	0.815	0.793	0.529	0.311	0.427	0.698	0.728	0.87	0.925	0.963	0.971	0.936	0.858	0.811	0.511	0.313	0.503	0.697	0.728	0.86	0.885
Distributed Generation	MEAN	1.897	1.937	2.026	1.145	1.538	1.288	0.827	0.655	0.845	1.143	1.604	1.891	2.023	1.827	2.313	2.106	1.737	1.386	0.859	0.745	0.913	1.231	1.74	2.049	2.127
	P5	0.719	0.223	0.051	0.11	0.297	0.541	0.563	0.44	0.591	0.554	0.957	0.838	0.807	0.251	0.053	0.056	0.359	0.599	0.585	0.55	0.689	0.6	1.09	0.952	0.86
	P95	3.32	3.616	3.664	3.492	2.789	2.33	1.172	0.934	1.102	2.119	2.3	3.201	3.785	3.847	3.759	3.176	2.358	1.21	0.993	1.23	2.313	2.357	3.524	3.76	
Fairfield	MEAN	0.825	1.204	0.979	0.962	1.145	2.148	2.111	2.056	2.348	1.527	1.971	2.032	0.819	1.209	0.978	0.92	1.196	2.14	2.019	2.162	2.351	1.514	1.97	2.042	0.796
	P5	0.509	0.908	0.716	0.744	0.874	1.73	1.673	1.583	1.818	1.127	1.545	1.673	1.714	0.605	0.682	0.677	0.868	1.808	1.627	1.64	1.929	1.079	1.6	1.868	0.507
	P95	1.153	1.515	1.268	1.225	1.425	2.624	2.533	2.475	2.841	2.012	2.427	2.372	1.046	1.489	1.307	1.205	1.495	2.489	2.441	2.637	2.789	1.944	2.335	2.332	1.088
Gordon Butte	MEAN	1.391	1.58	1.003	1.052	1.357	2.138	2.566	2.62	2.969	2.24	2.345	2.056	1.379	1.585	1.003	1.009	1.418	2.129	2.456	2.203	2.342	1.017	1.337		
	P5	0.891	1.191	0.63	0.661	0.95	1.611	2.073	2.176	2.555	1.681	1.807	1.584	1.068	1.16	0.592	0.662	0.								

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028	2028-02	2028-03	2028-04	2028-05	2028-06
Basin Creek	MEAN	0.132	4.458	7.47	3.783	0.665	1.805	4.031	3.063	1.781	0.985	1.28	1.017	0.164	4.611	7.739	3.786	0.691	1.796	4.331	3.354	1.915	1.097	1.44	0.982	0.19
	P5	0.	0.123	2.195	0.089	0.	0.	0.249	0.145	0.067	0.	0.022	0.	0.	0.201	3.472	0.145	0.	0.056	0.462	0.168	0.045	0.045	0.	0.	0.
	P95	0.74	10.54	12.526	11.4	3.244	5.68	9.266	8.006	5.198	3.548	4.106	3.586	0.752	9.089	12.096	10.455	4.021	5.339	10.198	8.887	5.027	3.663	4.459	4.178	1.067
CELP 2015	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	9.706	41.302	41.684	39.	41.563	37.504	41.834	39.167	37.498	39.703	35.805	32.516	36.332	41.543	42.086	39.616	40.856	39.626	44.559	40.973	38.661	40.25	33.237	34.607	36.11
	P5	3.758	31.815	33.795	29.146	29.303	28.637	33.487	30.114	27.535	25.587	23.363	22.416	13.392	32.933	33.545	30.333	29.046	31.857	38.888	32.316	27.542	28.649	20.049	21.075	13.803
	P95	11.903	47.705	45.587	44.306	47.507	42.399	46.1	44.117	42.116	46.584	44.005	41.292	44.519	47.862	45.767	44.256	45.92	44.202	47.804	45.76	44.063	47.223	42.596	43.859	45.22
Colstrip 4	MEAN	36.195	41.469	41.49	40.141	40.802	37.523	41.697	39.445	37.772	39.125	36.074	32.254	36.601	41.88	41.877	40.557	40.033	39.655	43.559	41.251	38.858	39.252	34.279	7.933	5.544
	P5	13.24	32.172	32.693	32.628	28.043	28.538	34.406	31.618	28.318	28.258	24.327	22.563	15.485	32.338	33.842	32.636	26.994	30.533	35.99	32.923	27.205	27.444	22.594	4.186	1.92
	P95	45.009	47.705	45.767	44.292	47.462	42.323	45.897	43.937	42.003	46.283	44.005	41.464	44.024	47.943	45.785	44.346	45.861	44.191	47.795	45.834	44.076	47.223	42.77	10.32	6.967
CX CCCT1	MEAN	97.551	112.03	103.435	99.576	87.966	79.177	87.106	80.878	76.362	84.079	87.739	78.009	96.588	112.614	103.723	99.734	84.826	82.384	91.699	84.944	79.063	84.333	84.337	83.841	100.097
	P5	13.422	99.513	94.637	85.011	78.424	68.127	78.881	73.516	69.762	74.903	71.266	48.398	0.	97.743	94.896	86.752	76.927	75.011	83.4	76.725	71.122	77.704	70.192	52.382	15.079
	P95	120.165	125.202	114.344	113.169	97.803	87.84	98.393	89.998	85.696	91.043	98.035	99.56	120.233	131.696	113.573	114.674	95.93	91.146	100.221	95.572	88.877	91.485	92.509	102.9	120.427
CX FrameCT1	MEAN																				4.196	1.717	0.526	0.334	0.33	
	P5																				0.	0.	0.	0.	0.	
	P95																				13.251	6.626	2.478	2.35	2.248	
CX Recip1	MEAN	0.48	4.408	4.866	4.506	2.355	3.088	4.276	3.659	2.672	2.021	1.832	1.509	0.567	4.543	4.916	4.727	2.412	3.327	3.901	2.871	2.051	1.881	1.484	0.581	
	P5	0.	2.576	3.553	2.108	0.408	1.947	1.02	0.502	0.	2.499	2.502	0.502	0.	2.499	3.664	2.287	0.196	1.411	2.822	1.879	1.207	0.723	0.68	0.145	0.
	P95	1.751	7.183	5.891	6.35	5.287	5.024	5.772	5.245	4.42	3.749	3.213	2.576	1.998	7.089	5.95	6.163	5.372	4.947	6.239	5.423	4.531	3.451	3.332	2.882	2.108
CX Recip10	MEAN																				4.063	2.988	2.146	1.952	1.555	0.604
	P5																				1.922	1.233	0.752	0.766	0.148	0.
	P95																				5.62	4.752	3.708	3.51	3.	2.165
CX Recip2	MEAN	0.479	4.43	4.884	4.484	2.365	3.076	4.27	3.641	2.673	1.999	1.83	1.532	0.574	4.561	4.935	4.751	2.416	3.315	4.543	3.903	2.858	2.046	1.87	1.498	0.585
	P5	0.	2.584	3.485	2.108	0.4	1.369	2.142	1.93	0.927	0.442	0.595	0.536	0.	2.465	3.621	2.227	0.196	1.377	2.771	1.879	1.207	0.723	0.68	0.145	0.
	P95	1.751	7.166	5.891	6.324	5.236	5.024	5.78	5.236	4.42	3.698	3.196	2.593	1.998	7.149	5.95	6.265	5.372	4.981	6.324	5.423	4.471	3.562	3.383	2.882	2.083
CX Recip3	MEAN	0.479	4.434	4.847	4.479	2.362	3.083	4.284	3.645	2.668	2.015	1.844	1.529	0.568	4.546	4.929	4.721	2.416	3.333	4.303	2.871	2.046	1.874	1.503	0.585	
	P5	0.	2.661	3.485	2.04	0.408	1.369	2.202	1.947	1.046	0.442	0.561	0.536	0.	2.499	3.732	2.295	0.196	1.411	2.797	1.879	1.207	0.723	0.723	0.145	0.
	P95	1.751	7.157	5.84	6.316	5.287	5.024	5.712	5.202	4.352	3.749	3.213	2.593	1.998	7.123	5.925	6.265	5.525	4.947	6.239	5.432	4.531	3.451	3.332	2.882	2.108
CX Recip4	MEAN	0.479	4.423	4.869	4.491	2.356	3.091	4.279	3.655	2.671	2.009	1.846	1.523	0.568	4.546	4.92	4.732	2.399	3.333	4.533	3.898	2.859	2.058	1.883	1.481	0.583
	P5	0.	2.61	3.553	2.04	0.408	1.369	2.202	1.947	1.046	0.485	0.595	0.536	0.	2.423	3.732	2.295	0.196	1.411	2.746	1.879	1.207	0.723	0.723	0.145	0.
	P95	1.751	7.183	5.874	6.35	5.287	4.998	5.763	5.202	4.48	3.74	3.205	2.559	1.998	7.149	5.925	6.266	5.406	4.947	6.205	5.415	4.607	3.562	3.4	2.839	2.108
CX Recip5	MEAN	0.515	4.792	5.265	4.881	2.56	3.336	4.65	3.947	2.875	2.167	2.005	1.629	0.614	4.922	5.342	5.134	2.61	3.6	4.923	4.224	3.088	2.226	2.033	1.599	0.629
	P5	0.	2.861	3.846	2.217	0.442	1.454	2.383	2.098	1.132	0.543	0.644	0.58	0.	2.686	3.919	2.484	0.121	1.454	3.064	2.006	1.279	0.745	0.764	0.156	0.
	P95	1.868	7.756	6.33	6.872	5.722	5.198	6.256	5.63	4.858	4.057	3.478	2.714	2.162	7.691	6.44	6.716	5.971	5.391	6.836	5.851	4.894	3.781	3.689	3.064	2.282
CX Recip6	MEAN																				4.213	3.102	2.228	2.037	1.614	0.627
	P5																				2.033	1.306	0.782	0.81	0.156	0.
	P95																				5.833	4.839	3.855	3.689	3.119	2.171
CX Recip7	MEAN																				4.218	3.096	2.223	2.029	1.623	0.625
	P5																				2.033	1.306	0.782	0.782	0.156	0.
	P95																				5.86	4.904	3.855	3.533	3.119	2.282
CX Recip8	MEAN																				3.917	2.87	2.065	1.869	1.49	0.581
	P5																				1.879	1.173	0.723	0.748	0.136	0.
	P95																				5.398	4.624	3.562	3.409	2.882	2.108
CX Recip9	MEAN																				3.905	2.885	2.067	1.872	1.491	0.58
	P5																				1.743	1.148	0.723	0.723	0.145	0.
	P95																				5.389	4.641	3.562	3.409	2.882	2.1
David Gates Generating Station	MEAN	13.862	32.191	36.666	32.221	19.772	22.47	30.964	26.427	21.157	19.155	20.206	18.142	14.093	33.308	37.199	33.619	19.782	23.664	33.004	28.31	22.39	19.622	20.006	18.438	14.191
	P5	12.48	18.51	27.13	17.35	1																				

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2026-06	2026-07	2026-08	2026-09	2026-10	2026-11	2026-12	2027	2027-02	2027-03	2027-04	2027-05	2027-06	2027-07	2027-08	2027-09	2027-10	2027-11	2027-12	2028	2028-02	2028-03	2028-04	2028-05	2028-06	
Sleeping Giant	MEAN	3.322	3.451	3.323	3.2	0.789	0.749	0.39	0.367	0.571	1.423	3.325	3.197	3.326	3.45	3.322	3.201	0.759	0.78	0.405	0.381	0.575	1.424	3.198	3.324	3.323	
	P5	3.287	3.412	3.287	3.161	0.78	0.735	0.384	0.346	0.565	1.403	3.297	3.158	3.297	3.411	3.29	3.166	0.751	0.768	0.4	0.357	0.568	1.406	3.164	3.293	3.28	
	P95	3.359	3.484	3.355	3.235	0.798	0.762	0.394	0.387	0.578	1.442	3.356	3.223	3.356	3.479	3.358	3.231	0.777	0.791	0.41	0.399	0.582	1.443	3.226	3.361	3.354	
Thompson Falls	MEAN	33.817	32.488	18.879	15.445	19.031	19.44	23.387	21.054	20.844	23.182	30.543	33.257	33.862	32.428	18.895	15.436	20.229	24.306	21.943	20.962	21.943	20.962	23.176	29.329	34.581	33.84
	P5	25.68	24.87	14.737	11.526	14.884	15.255	18.275	16.486	15.821	17.801	23.463	23.761	26.672	23.24	15.007	12.011	14.064	15.7	18.739	17.044	15.665	17.728	22.439	28.114	26.751	
	P95	40.639	40.013	22.397	23.654	24.396	29.104	26.784	26.274	29.82	38.009	42.98	42.329	41.271	22.466	18.937	23.111	25.984	30.677	27.323	26.708	29.15	37.083	44.474	43.372		
Hydro - Total	MEAN	153.858	141.785	113.772	98.805	105.793	99.695	112.651	106.065	105.233	120.902	134.646	144.544	154.126	141.628	113.757	99.749	101.786	103.859	117.16	110.564	105.736	120.949	129.323	150.172	153.963	
	P5	113.403	106.336	87.182	72.82	81.528	75.873	83.143	77.844	75.948	88.771	97.709	98.758	114.872	98.404	87.479	76.773	76.291	80.524	87.38	80.524	75.545	90.52	94.16	117.282	115.613	
	P95	196.954	185.099	140.699	129.812	137.523	131.818	149.249	142.543	143.006	166.302	175.416	194.077	202.085	187.961	143.751	130.521	133.213	141.415	158.195	150.897	145.436	163.332	174.305	207.783	213.236	
Load	MEAN	-345.5	-424.865	-385.378	-323.899	-354.212	-333.608	-399.426	-407.01	-358.686	-366.209	-330.21	-314.477	-348.802	-431.394	-387.826	-327.802	-344.654	-349.74	-417.752	-425.472	-369.455	-370.005	-320.486	-329.055	-352.337	
	P5	-351.357	-447.563	-399.627	-331.762	-360.076	-340.016	-412.136	-422.062	-367.995	-375.875	-336.374	-319.515	-355.079	-452.291	-401.993	-335.608	-350.493	-355.649	-428.581	-445.14	-379.011	-377.966	-326.426	-333.662	-359.554	
	P95	-340.065	-406.515	-373.253	-316.423	-347.361	-327.279	-387.711	-386.737	-348.414	-359.216	-325.366	-309.607	-343.358	-407.714	-374.703	-321.794	-340.133	-343.191	-406.472	-406.281	-358.818	-363.205	-315.001	-325.304	-347.629	
Morgan 5 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
PPL 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
Small QF1	MEAN	1.517	5.246	1.081	1.834	0.962	0.596	0.536	0.358	0.134	0.632	0.556	0.484	1.368	5.095	0.936	1.834	0.926	0.621	0.556	0.372	0.134	0.632	0.535	0.012	0.013	
	P5	1.517	5.246	1.081	1.834	0.962	0.596	0.536	0.358	0.134	0.632	0.556	0.484	1.368	5.095	0.936	1.834	0.926	0.621	0.556	0.372	0.134	0.632	0.535	0.012	0.013	
	P95	1.517	5.246	1.081	1.834	0.962	0.596	0.536	0.358	0.134	0.632	0.556	0.484	1.368	5.095	0.936	1.834	0.926	0.621	0.556	0.372	0.134	0.632	0.535	0.012	0.013	
Small Tier II	MEAN	0.129	0.119	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129	0.119	0.126	0.115	0.084	0.059	0.015	0.015	0.014	0.026	0.067	0.084	0.129	
	P5	0.129	0.119	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129	0.119	0.126	0.115	0.084	0.059	0.015	0.015	0.014	0.026	0.067	0.084	0.129	
	P95	0.129	0.119	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129	0.119	0.126	0.115	0.084	0.059	0.015	0.015	0.014	0.026	0.067	0.084	0.129	
Tiber	MEAN																										
	P5																										
	P95																										
TransAlta 10 RFP (HL)	MEAN																										
	P5																										
	P95																										
Turnbull	MEAN	4.652	5.543	3.988	1.387	0.018							1.966	4.652	5.543	3.988	1.387								2.045	4.652	
	P5	4.652	5.543	3.988	1.387	0.018							1.966	4.652	5.543	3.988	1.387								2.045	4.652	
	P95	4.652	5.543	3.988	1.387	0.018							1.966	4.652	5.543	3.988	1.387								2.045	4.652	
Physical Instrument - Total	MEAN	6.298	10.909	5.196	3.336	1.067	0.653	0.55	0.372	0.148	0.658	0.626	2.531	6.148	10.758	5.051	3.336	1.028	0.68	0.571	0.387	0.149	0.658	0.602	2.141	4.793	
	P5	6.298	10.909	5.196	3.336	1.067	0.653	0.55	0.372	0.148	0.658	0.626	2.531	6.148	10.758	5.051	3.336	1.028	0.68	0.571	0.387	0.149	0.658	0.602	2.141	4.793	
	P95	6.298	10.909	5.196	3.336	1.067	0.653	0.55	0.372	0.148	0.658	0.626	2.531	6.148	10.758	5.051	3.336	1.028	0.68	0.571	0.387	0.149	0.658	0.602	2.141	4.793	
Deer Creek Solar	MEAN	0.658	0.765	0.691	0.506	0.388	0.166	0.135	0.145	0.274	0.412	0.565	0.562	0.657	0.763	0.688	0.501	0.373	0.172	0.141	0.151	0.274	0.408	0.537	0.582	0.652	
	P5	0.082	0.387	0.25	0.003	0.058	0.031	0.054	0.005	0.034	0.068	0.113	0.058	0.057	0.358	0.237	0.002	0.039	0.026	0.057	0.007	0.029	0.068	0.15	0.085	0.07	
	P95	1.012	0.996	0.936	0.859	0.781	0.475	0.323	0.447	0.686	0.77	0.868	0.882	1.018	1.004	0.931	0.848	0.761	0.487	0.323	0.498	0.719	0.746	0.837	0.92	1.011	
Distributed Generation	MEAN	2.364	2.597	2.276	1.868	1.498	0.926	0.806	0.945	1.324	2.297	2.555	2.004	2.004	2.806	2.463	2.013	1.562	1.046	0.907	1.066	1.437	2.166	2.293	2.586	2.75	
	P5	0.366	0.075	0.071	0.316	0.701	0.619	0.568	0.699	0.63	1.294	1.037	0.935	0.351	0.055	0.158	0.407	0.669	0.674	0.65	0.749	0.611	1.331	1.055	1.174	0.32	
	P95	4.317	4.4	4.048	3.435	2.629	1.29	1.087	1.251	2.34	4.082	3.585	4.038	4.672	1.29	4.333	3.756	2.587	1.511	1.198	1.466	2.611	2.941	3.908	4.51	4.81	
Fairfield	MEAN	1.255	1.017	0.921	1.189	2.146	2.027	2.182	2.268	1.525	2.049	2.041	0.786	1.269	1.023	0.911	1.188	2.072	2.117	2.234	2.423	1.532	2.051	1.949	0.825	1.26	
	P5	0.945	0.754	0.672	0.888	1.801	1.672	1.678	1.811	1.106	1.572	1.751	0.542	1.002	0.664	0.909	1.683	1.719	1.947	1.085	1.721	1.667	0.569	0.987			
	P95	1.536	1.3	1.213	1.469	2.455	2.571	2.672	2.741	1.925	2.473	2.378	1.039	1.579	1.418	1.109	1.492	2.483	2.521	2.767	2.907	1.934	2.359	2.252	1.156	1.547	
Gordon Butte	MEAN	1.644	1.06	1.005	1.408	2.144	2.458	2.767	2.864	2.236	2.43	2.068	1.324	1.664	1.054	0.998	1.4	2.064	2.575	2.257	2.437	1.971	1.385	1.649			
	P5	1.204	0.703	0.64	0.971	1.695	1.96	2.198	2.323	1.673	1.94	1.621	0.937	1.283	0.643	0.627	1.	1.529									

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07
Basin Creek	MEAN	4.625	8.058	3.963	0.673	1.938	4.056	3.544	1.78	1.072	1.386	1.15	0.204	4.755	8.215	4.08	0.91	2.017	4.137	3.427	1.837	1.076	1.504	1.199	0.222	4.997
	P5	0.011	2.307	0.056	0.	0.022	0.383	0.123	0.078	0.	0.034	0.	0.034	0.288	0.104	0.	0.	0.022	0.168	0.067	0.	0.01	0.	0.	0.179	0.
	P95	10.012	13.085	10.66	3.356	6.856	9.689	9.208	4.839	3.75	4.273	3.78	1.049	9.542	14.243	11.69	4.242	7.912	10.999	8.586	5.184	4.204	4.208	3.889	1.026	9.412
CELP 2015	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	38.091	43.013	40.182	40.097	39.656	40.987	41.579	37.948	40.748	34.951	3.911	8.588	38.132	43.338	38.619	42.486	39.689	40.737	41.776	37.854	39.409	36.215	34.983	36.462	39.683
	P5	29.991	34.372	31.904	26.744	32.004	33.074	33.221	30.023	30.654	23.377	1.084	3.278	30.712	35.549	28.75	33.22	31.137	32.906	34.564	27.047	27.625	23.523	21.973	24.013	30.965
	P95	44.261	47.691	44.382	46.032	44.319	44.373	45.857	42.336	47.12	42.464	5.123	10.435	44.243	47.648	42.606	47.457	44.279	44.333	46.01	42.388	45.371	44.42	43.689	43.239	45.947
Colstrip 4	MEAN	38.291	43.025	40.077	39.886	39.532	40.11	40.882	37.87	40.061	35.074	35.032	37.346	38.566	43.169	39.241	41.949	40.012	40.701	41.519	38.043	38.885	36.491	34.702	36.604	40.329
	P5	27.921	35.404	31.298	26.744	32.841	32.178	33.947	29.871	30.185	24.047	23.285	19.135	30.464	35.288	33.281	32.615	33.105	34.06	34.264	28.769	28.812	24.906	22.238	22.139	29.721
	P95	44.27	47.7	44.373	45.816	44.319	44.382	45.758	42.372	47.124	42.464	43.778	45.231	44.373	47.633	42.606	47.589	44.256	44.288	46.005	42.383	45.371	44.874	43.273	43.239	46.1
CX CCCT1	MEAN	107.82	106.61	99.929	84.087	82.971	84.691	106.177	91.775	75.24	50.064	37.471	4.52	100.422	125.973	114.985	107.933	105.706	115.575	107.922	92.861	70.698	52.463	39.213	63.697	104.794
	P5	93.616	96.402	88.04	75.575	74.089	74.432	81.594	67.689	51.995	26.94	14.084	0.	78.39	105.521	95.524	78.613	78.978	92.73	79.803	69.943	48.386	29.478	19.804	0.	73.678
	P95	126.001	115.793	114.066	94.289	93.746	95.796	125.098	109.75	96.6	70.194	57.952	24.8	128.53	138.222	127.234	134.349	124.054	129.963	130.414	113.65	93.358	74.948	63.963	55.347	136.768
CX FrameCT1	MEAN	3.672	10.944	2.031	0.097	1.098	2.837	4.028	1.466	0.554	0.267	0.256	0.	3.597	10.646	2.024	0.07	1.111	2.801	4.173	1.627	0.698	0.334	0.431	0.	4.051
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.1079	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	P95	11.119	20.31	9.686	0.589	7.349	10.528	11.949	4.848	3.369	2.234	1.188	0.	10.809	19.574	8.999	0.	6.142	10.694	12.749	5.54	3.462	2.31	2.198	0.	11.41
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN	4.155	5.197	4.795	2.514	3.431	4.312	3.961	2.86	2.087	1.873	1.612	0.751	4.186	5.295	4.632	2.745	3.477	4.391	4.076	2.871	2.084	1.975	1.717	0.687	4.552
	P5	2.363	3.825	2.244	0.391	1.437	2.321	1.989	1.318	0.604	0.417	0.374	0.17	2.321	3.868	1.981	1.079	1.488	2.321	1.845	1.088	0.646	0.604	0.043	3.009	
	P95	6.477	6.248	6.392	5.134	5.389	5.942	5.653	4.565	3.8	3.341	3.111	2.831	6.622	6.358	6.146	5.933	5.423	5.976	5.916	4.565	3.74	3.324	3.06	2.652	6.911
CX Recip10	MEAN	4.317	5.419	5.006	2.61	3.579	4.492	3.955	2.84	2.098	1.874	1.604	0.745	4.185	4.929	4.285	2.733	3.506	4.404	4.075	2.876	2.072	1.981	1.717	0.685	4.541
	P5	2.394	3.953	2.334	0.405	1.542	2.505	1.913	1.267	0.604	0.417	0.374	0.17	2.661	3.774	1.981	1.079	1.445	2.329	1.845	1.097	0.655	0.876	0.595	0.034	2.975
	P95	6.778	6.518	6.6	5.336	5.611	6.137	5.619	4.565	3.834	3.417	3.009	2.682	6.622	6.375	6.18	5.806	5.619	6.146	4.658	3.74	3.358	3.052	2.652	6.919	
CX Recip2	MEAN	4.157	5.207	4.801	2.503	3.429	4.296	3.947	2.83	2.1	1.867	1.611	0.755	4.195	5.308	4.627	2.729	3.498	4.407	4.055	2.87	2.064	1.963	1.717	0.683	4.551
	P5	2.321	3.817	2.244	0.391	1.479	2.355	1.989	1.318	0.604	0.408	0.383	0.17	2.729	3.757	1.987	1.079	1.496	2.207	1.675	1.097	0.655	0.612	0.043	3.145	
	P95	6.571	6.239	6.392	5.134	5.432	5.865	5.653	4.607	3.834	3.341	3.009	2.882	6.613	6.367	6.18	5.925	5.61	6.137	5.916	4.667	3.74	3.29	2.916	2.652	6.8
CX Recip3	MEAN	4.126	5.226	4.814	2.506	3.43	4.321	3.938	2.852	2.107	1.898	1.608	0.754	4.175	5.298	4.631	2.733	3.498	4.414	4.078	2.877	2.076	1.967	1.722	0.675	4.532
	P5	2.363	3.825	2.244	0.391	1.479	2.372	1.989	1.318	0.604	0.417	0.383	0.17	2.729	3.757	1.947	1.079	1.496	2.329	1.845	1.046	0.621	0.876	0.512	0.043	3.137
	P95	6.537	6.256	6.392	5.092	5.364	5.916	5.593	4.607	3.834	3.383	3.001	2.89	6.613	6.401	6.154	5.619	5.653	6.01	5.336	3.74	3.366	2.975	2.601	6.936	
CX Recip4	MEAN	4.164	5.217	4.805	2.504	3.431	4.327	3.955	2.857	2.101	1.877	1.609	0.751	4.183	5.311	4.615	2.735	3.494	4.421	4.074	2.866	2.073	1.968	1.72	0.685	4.524
	P5	2.363	3.817	2.244	0.391	1.469	2.414	1.989	1.241	0.604	0.417	0.383	0.17	2.712	3.876	1.981	1.079	1.496	2.329	1.845	1.097	0.655	0.612	0.043	3.111	
	P95	6.579	6.265	6.29	5.134	5.287	5.942	5.593	4.573	3.834	3.341	3.179	2.89	6.562	6.384	6.12	5.814	5.653	6.103	5.899	4.65	3.706	3.273	3.018	2.644	6.554
CX Recip5	MEAN	4.469	5.631	5.226	2.713	3.714	4.681	4.253	3.082	2.229	1.744	1.515	0.681	4.153	5.293	4.537	2.949	3.769	4.775	4.426	3.121	2.243	2.139	1.85	0.74	4.911
	P5	2.558	4.14	2.429	0.423	1.61	2.613	2.153	1.398	0.626	0.451	0.414	0.18	2.916	4.076	1.96	1.093	1.564	2.521	1.996	1.168	0.708	0.948	0.662	0.046	3.156
	P95	7.121	6.799	6.918	5.557	5.833	6.385	5.549	4.95	4.149	3.662	3.386	3.128	7.167	6.954	6.652	6.219	6.044	6.641	5.051	3.993	3.643	3.257	2.844	2.736	
CX Recip6	MEAN	4.473	5.647	5.204	2.706	3.734	4.664	4.283	3.072	2.267	1.747	1.513	0.681	4.153	5.293	4.537	2.949	3.794	4.763	4.401	3.117	2.249	2.141	1.866	0.74	4.907
	P5	2.41	4.131	2.429	0.423	1.61	2.613	2.088	1.426	0.604	0.417	0.383	0.17	2.712	3.876	1.981	1.079	1.496	2.329	1.845	1.097	0.655	0.612	0.043	3.111	
	P95	6.909	6.771	6.29	5.52	5.879	6.357	5.601	4.904	4.085	3.662	3.358	3.128	7.093	6.909	6.688	6.422	6.118	6.578	6.385	5.051	4.048	3.625	3.073	2.824	7.305
CX Recip7	MEAN	4.502	5.63	5.206	2.718	3.712	4.665	4.275	3.055	2.226	1.744	1.515	0.681	4.153	5.293	4.537	2.949	3.794	4.775	4.426	3.122	2.243	2.14	1.871	0.74	4.898
	P5	2.558	4.14	2.429	0.423	1.582	2.613	2.153	1.426	0.635	0.451	0.414	0.18	2.916	4.085	2.061	1.093	1.619	2.456	1.996	1.132	0.69	0.948	0.662		

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2028-07	2028-08	2028-09	2028-10	2028-11	2028-12	2029	2029-02	2029-03	2029-04	2029-05	2029-06	2029-07	2029-08	2029-09	2029-10	2029-11	2029-12	2030	2030-02	2030-03	2030-04	2030-05	2030-06	2030-07
Sleeping Giant	MEAN	3.196	3.453	3.199	0.759	0.78	0.375	0.382	0.572	1.424	3.197	3.233	3.324	3.195	3.451	3.076	0.789	0.78	0.375	0.383	0.572	1.371	3.325	3.323	3.195	3.324
	P5	3.163	3.419	3.159	0.748	0.769	0.371	0.364	0.564	1.406	3.165	3.286	3.365	3.167	3.415	3.037	0.779	0.768	0.362	0.365	0.565	1.352	3.295	3.296	3.16	3.291
	P95	3.227	3.486	3.236	0.769	0.793	0.379	0.405	0.579	1.44	3.223	3.356	3.355	3.229	3.483	3.107	0.797	0.793	0.379	0.409	0.578	1.388	3.354	3.356	3.22	3.356
Thompson Falls	MEAN	30.063	19.578	15.479	18.332	20.242	22.546	21.886	20.922	23.167	34.534	33.83	30.082	19.608	14.812	18.999	20.224	22.549	20.784	22.333	30.629	34.57	34.999	32.468	31.279	
	P5	24.424	15.054	11.683	13.519	16.067	17.776	17.325	16.554	18.811	23.035	26.178	26.303	22.624	15.704	11.107	15.126	15.496	17.776	17.116	17.434	17.554	23.882	27.069	24.834	24.512
	P95	37.179	24.31	19.411	23.527	25.693	27.802	27.192	26.129	29.185	35.483	43.254	41.517	38.187	23.851	18.375	23.979	24.921	27.586	27.053	25.939	28.942	37.591	42.4	40.734	39.54
Hydro - Total	MEAN	131.382	118.013	100.006	101.827	103.798	108.691	110.219	105.637	120.95	129.466	149.998	153.939	131.362	118.187	95.612	105.519	103.856	108.738	110.705	104.853	116.595	135.112	150.131	147.681	136.692
	P5	104.585	88.42	74.532	73.377	79.297	83.098	85.244	81.607	94.536	96.688	110.314	115.415	94.387	93.44	70.732	82.333	77.986	83.086	82.382	84.328	87.824	100.196	113.791	107.964	102.304
	P95	170.907	150.637	131.896	139.827	138.882	139.985	148.916	136.913	163.597	163.062	193.723	206.253	174.879	151.93	124.48	140.928	131.423	138.892	148.393	141.266	162.898	174.966	195.8	192.181	184.993
Load	MEAN	-405.731	-406.038	-330.824	-347.759	-373.014	-392.62	-430.917	-365.789	-373.014	-323.245	-332.052	-356.987	-411.898	-409.61	-321.652	-363.644	-357.181	-395.99	-434.665	-369.204	-363.754	-339.786	-336.639	-346.095	-429.847
	P5	-423.872	-418.9	-338.168	-353.495	-359.049	-402.345	-449.326	-375.318	-380.764	-328.951	-336.449	-363.292	-433.638	-425.818	-328.922	-369.791	-364.273	-406.058	-455.496	-377.546	-372.622	-345.938	-338.971	-352.567	-450.152
	P95	-387.146	-391.988	-323.825	-342.549	-345.41	-381.15	-410.775	-356.622	-365.851	-317.298	-327.278	-352.39	-394.975	-395.038	-314.829	-358.104	-349.515	-385.321	-417.882	-358.678	-356.723	-334.645	-331.754	-340.728	-410.25
Morgan 509 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012
	P5	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012
	P95	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.013	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012
Small Tier II	MEAN	0.11	0.131	0.115	0.084	0.059	0.013	0.015	0.014	0.026	0.067	0.084	0.129	0.11	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115
	P5	0.11	0.131	0.115	0.084	0.059	0.013	0.015	0.014	0.026	0.067	0.084	0.129	0.11	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115
	P95	0.11	0.131	0.115	0.084	0.059	0.013	0.015	0.014	0.026	0.067	0.084	0.129	0.11	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115
Tiber	MEAN																									
	P5																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN	5.133	4.142	1.387	0.017					2.045	4.652	5.133	4.142	1.331	0.018								2.045	4.473	5.338	
	P5	5.133	4.142	1.387	0.017					2.045	4.652	5.133	4.142	1.331	0.018								2.045	4.473	5.338	
	P95	5.133	4.142	1.387	0.017					2.045	4.652	5.133	4.142	1.331	0.018								2.045	4.473	5.338	
Physical Instrument - Total	MEAN	5.255	4.286	1.514	0.114	0.072	0.025	0.027	0.027	0.039	0.079	2.141	4.793	5.255	4.286	1.453	0.118	0.072	0.025	0.027	0.027	0.038	0.083	2.141	4.609	5.465
	P5	5.255	4.286	1.514	0.114	0.072	0.025	0.027	0.027	0.039	0.079	2.141	4.793	5.255	4.286	1.453	0.118	0.072	0.025	0.027	0.027	0.038	0.083	2.141	4.609	5.465
	P95	5.255	4.286	1.514	0.114	0.072	0.025	0.027	0.027	0.039	0.079	2.141	4.793	5.255	4.286	1.453	0.118	0.072	0.025	0.027	0.027	0.038	0.083	2.141	4.609	5.465
Deer Creek Solar	MEAN	0.699	0.714	0.503	0.37	0.171	0.127	0.148	0.268	0.407	0.534	0.58	0.65	0.695	0.709	0.478	0.382	0.169	0.126	0.149	0.267	0.389	0.556	0.575	0.62	0.722
	P5	0.353	0.218	0.002	0.046	0.024	0.047	0.007	0.022	0.048	0.102	0.06	0.043	0.238	0.24	0.004	0.054	0.019	0.048	0.01	0.025	0.042	0.123	0.079	0.065	0.341
	P95	0.909	0.981	0.846	0.739	0.513	0.311	0.44	0.682	0.754	0.829	0.919	1.007	0.912	0.966	0.816	0.758	0.512	0.313	0.479	0.675	0.737	0.865	0.919	0.974	0.956
Distributed Generation	MEAN	2.799	2.762	2.18	1.685	1.125	0.904	1.153	1.545	2.276	2.929	2.982	2.799	2.982	2.157	1.895	1.212	0.968	1.241	1.617	3.025	3.255	2.799	3.015	3.888	3.397
	P5	0.072	0.152	0.457	0.719	0.792	0.626	0.881	0.77	1.388	1.213	1.048	0.406	0.083	0.12	0.475	0.859	0.792	0.655	0.882	0.785	1.4	1.423	1.17	0.413	0.128
	P95	4.656	4.789	3.948	2.932	1.638	1.248	1.559	2.732	3.197	4.211	4.891	5.365	5.105	2.588	1.495	3.337	1.78	1.321	1.681	3.059	3.502	4.75	5.318	5.632	5.806
Fairfield	MEAN	0.939	0.959	1.193	2.067	2.103	2.092	2.37	1.504	2.038	1.957	0.831	1.251	0.937	0.968	1.142	2.145	2.104	2.073	2.335	1.512	1.971	2.046	0.818	1.202	0.983
	P5	0.723	0.655	0.937	1.72	1.644	1.656	1.94	1.057	1.668	0.58	0.929	0.728	0.728	0.883	1.753	1.647	1.934	1.503	1.934	1.203	1.582	1.788	0.537	0.933	0.691
	P95	1.259	1.284	1.532	2.469	2.582	2.559	2.803	1.923	2.418	2.263	1.132	1.621	1.249	1.27	1.498	2.528	2.511	2.558	2.767	1.881	2.359	2.345	1.139	1.5	1.305
Gordon Butte	MEAN	0.964	1.051	1.415	2.055	2.552	2.665	2.984	2.22	2.427	1.985	2.22	2.418	1.985	2.22	2.557	2.642	2.95	2.212	2.345	2.071	3.58	1.57	1.21	1.01	
	P5	0.629	0.61	1.068	1.569	2.059	2.148	2.504	1.697	1.963	1.553	0.982	1.178	0.546	0.657	1.605	2									

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2030-08	2030-09	2030-10	2030-11	2030-12	2031	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08
Basin Creek	MEAN	8.514	4.072	0.722	2.014	4.31	3.599	2.071	1.099	1.638	1.234	0.227	5.366	8.279	4.455	0.858	1.986	4.639	3.707	2.077	1.297	1.682	1.347	0.31	5.732	8.279
	P5	4.089	0.38	0.022	0.492	0.022	0.101	0.045	0.0	0.034	0.0	0.022	2.712	0.078	0.0	0.0	0.413	0.067	0.022	0.0	0.0	0.0	0.0	0.0	0.712	1.772
	P95	12.769	10.44	4.147	6.414	9.274	9.823	6.494	3.675	6.113	3.553	1.543	10.854	13.481	13.227	3.978	6.099	11.685	10.526	6.346	4.239	5.678	4.772	1.842	10.628	14.309
CELP 2015	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	43.644	38.481	42.978	39.963	40.976	41.69	37.841	39.672	36.363	35.295	35.76	40.67	42.233	40.045	42.998	38.683	42.635	41.251	37.638	40.784	36.219	9.475	9.827	41.541	42.464
	P5	35.168	30.077	34.9	31.359	33.393	32.478	29.666	29.434	24.62	24.332	16.047	32.852	34.421	31.068	33.599	29.03	35.108	29.724	26.207	37.095	23.253	4.175	3.36	32.015	35.325
	P95	47.691	42.543	47.84	44.297	44.36	45.951	42.453	45.524	44.526	43.59	43.136	46.145	45.848	44.328	47.871	42.566	46.154	46.086	42.485	47.471	45.11	12.325	12.302	47.858	46.001
Colstrip 4	MEAN	43.606	39.142	42.349	40.115	40.672	41.377	38.027	39.033	36.896	35.96	36.084	40.473	41.975	40.684	42.542	38.672	42.343	41.352	37.953	40.759	36.78	33.611	37.309	41.919	42.145
	P5	36.06	30.606	33.387	32.643	32.738	33.071	28.621	26.919	26.116	25.503	4.357	31.958	33.071	33.36	33.026	30.992	34.295	27.842	27.56	24.933	19.776	14.398	33.771	33.663	
	P95	47.691	42.606	47.826	44.265	44.346	45.893	42.372	45.524	44.577	43.516	42.076	46.149	45.888	44.346	47.871	42.566	46.122	46.104	42.467	47.412	44.921	42.738	44.996	47.759	45.992
CX CCCT1	MEAN	124.889	113.571	106.409	104.89	115.538	107.606	91.179	70.328	50.757	36.842	7.23	104.441	121.892	118.904	106.537	100.979	118.474	106.387	88.926	71.243	53.203	37.469	7.72	106.262	120.603
	P5	105.347	88.406	74.106	60.143	95.128	85.278	64.414	46.242	25.003	14.206	0.	70.992	102.037	97.693	74.643	75.389	91.516	82.015	55.604	47.387	24.204	12.168	0.	78.31	98.703
	P95	139.251	127.705	128.698	125.36	129.56	125.934	115.663	95.386	79.051	60.649	56.304	107.137	134.441	134.095	132.946	121.691	134.319	128.358	111.771	93.915	79.022	61.434	51.197	143.182	133.116
CX FrameCT1	MEAN	10.937	1.633	0.044	1.202	3.475	4.391	2.065	0.445	0.511	0.404		3.906	10.762	2.468		1.122	3.531	3.891	1.786	0.608	0.578	0.44	0.001	4.486	10.599
	P5	1.819	0.	0.	0.	0.	0.	0.	0.	0.	0.		0.439	0.	0.		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	P95	20.519	9.955	0.	6.089	11.642	12.62	7.694	2.974	3.492	3.175		12.574	19.623	13.11		5.796	12.861	12.139	6.976	3.398	4.127	2.274	0.005	13.31	20.152
CX FrameCT1	MEAN	10.9	1.624	0.046	1.202	3.465	4.398	2.064	0.399	0.521	0.399		4.023	10.855	2.461		1.029	3.986	3.899	1.78	0.645	0.593	0.399	0.	4.493	10.539
	P5	1.81	0.	0.	0.	0.	0.	0.	0.	0.	0.		0.439	0.	0.		0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
	P95	20.403	9.181	0.	6.576	11.575	12.843	7.513	2.513	2.945	2.607		12.851	20.019	12.691		5.259	12.346	12.605	6.976	3.398	4.013	2.274	0.	13.496	19.794
CX Recip1	MEAN	5.399	4.892	2.865	3.646	4.521	4.152	2.902	2.145	2.032	1.762	0.743	4.504	5.226	5.085	3.031	3.63	4.773	4.241	3.048	2.248	2.119	1.808	0.882	4.768	5.136
	P5	4.174	2.763	0.485	1.318	2.593	1.955	1.403	0.561	0.604	0.332	0.009	2.941	3.57	1.552	0.431	1.275	2.559	2.244	0.009	0.612	0.493	0.451	0.009	2.414	3.8
	P95	6.367	6.069	5.933	5.5	6.018	5.899	4.752	4.174	3.655	3.145	2.882	6.86	6.248	6.545	5.738	5.423	6.435	5.857	4.684	4.157	3.774	3.519	4.021	7.2	6.112
CX Recip10	MEAN	5.366	4.901	2.861	3.653	4.506	4.158	2.917	2.14	2.029	1.737	0.738	4.472	5.112	5.11	3.049	3.623	4.732	4.232	3.043	2.271	2.119	1.792	0.876	4.769	5.123
	P5	4.148	2.831	0.485	1.343	2.355	1.93	1.275	0.561	0.604	0.332	0.009	2.644	3.57	1.553	0.391	1.275	2.542	2.227	1.275	0.621	0.493	0.451	0.009	2.482	3.783
	P95	6.358	6.129	5.933	5.585	6.027	5.899	4.752	3.97	3.647	3.103	2.882	6.851	6.248	6.545	5.882	5.381	6.375	5.831	4.165	3.834	3.392	3.995	7.319	6.12	
CX Recip2	MEAN	5.406	4.889	2.858	3.637	4.519	4.167	2.908	2.142	2.029	1.753	0.738	4.504	5.229	5.102	3.028	3.616	4.727	4.216	3.049	2.253	2.117	1.808	0.88	4.783	5.157
	P5	4.301	2.763	0.485	1.343	2.542	2.023	1.403	0.561	0.604	0.332	0.009	2.763	3.57	1.552	0.391	1.275	2.584	2.278	1.275	0.621	0.493	0.451	0.009	2.482	3.774
	P95	6.341	6.137	5.857	5.619	5.993	5.865	4.752	4.08	3.672	3.145	2.822	6.928	6.214	6.542	5.806	5.415	6.375	5.823	4.709	4.276	3.834	3.443	4.029	7.259	6.12
CX Recip3	MEAN	5.38	4.885	2.854	3.652	4.505	4.136	2.908	2.141	2.038	1.734	0.734	4.475	5.183	5.084	3.037	3.624	4.738	4.246	3.039	2.266	2.126	1.804	0.876	4.745	5.165
	P5	4.199	2.831	0.476	1.343	2.593	1.955	1.301	0.561	0.604	0.332	0.009	2.754	3.57	1.552	0.391	1.275	2.635	2.278	1.182	0.621	0.476	0.451	0.009	2.465	3.91
	P95	6.358	6.12	5.899	5.457	6.027	5.857	4.752	3.927	3.623	3.128	2.882	6.715	6.163	6.511	5.755	5.398	6.384	5.823	4.633	4.276	3.774	3.519	4.089	7.14	6.12
CX Recip4	MEAN	5.4	4.905	2.854	3.649	4.541	4.167	2.909	2.139	2.024	1.755	0.741	4.489	5.216	5.094	3.023	3.61	4.77	4.235	3.037	2.246	2.128	1.809	0.886	4.763	5.15
	P5	4.225	2.831	0.485	1.343	2.593	2.023	1.403	0.553	0.604	0.332	0.009	2.941	3.57	1.552	0.391	1.267	2.635	2.278	1.275	0.57	0.493	0.451	0.009	2.482	3.868
	P95	6.367	6.163	5.933	5.559	6.027	5.899	4.718	4.174	3.57	3.145	2.882	6.681	6.163	6.545	5.942	5.389	6.333	5.857	4.667	4.157	3.834	3.511	4.089	7.259	6.12
CX Recip5	MEAN	5.835	5.331	3.099	3.941	4.89	4.517	3.129	2.306	2.154	1.827	0.796	4.866	5.531	5.329	3.285	3.917	5.147	4.588	3.291	2.453	2.301	1.938	0.949	5.153	5.582
	P5	4.563	3.064	0.524	1.454	2.806	2.162	1.362	0.607	0.653	0.359	0.009	2.99	3.754	2.76	0.423	1.288	2.852	2.466	1.288	0.672	0.534	0.488	0.009	2.686	4.26
	P95	6.872	6.753	6.394	6.081	6.504	6.348	5.134	4.471	4.03	3.404	3.119	7.388	6.661	7.047	6.33	5.87	6.339	5.051	4.628	4.131	3.27	3.847	4.838	6.624	
CX Recip6	MEAN	5.842	5.309	3.097	3.943	4.896	4.489	3.153	2.309	2.2	1.902	0.798	4.844	5.647	5.514	3.285	3.9	5.153	4.566	3.283	2.455	2.307	1.95	0.952	5.156	5.553
	P5	4.664	3.064	0.524	1.454	2.806	2.19	1.518	0.607	0.616	0.359	0.009	3.183	3.864	2.76	0.423	1.371	2.742	2.466	1.38	0.672	0.534	0.423	0.009	2.668	4.048
	P95	6.872	6.633	6.422	6.081	6.523	6.385	5.143	4.379	4.03	3.358	3.119	7.498	6.679	7.084	6.431	5.851	6.964	6.311	5.06	4.536	4.112	3.689	4.361	7.866	6.615
CX Recip7	MEAN	5.836	5.299	3.1	3.928	4.873	4.521	3.146	2.322	2.205	1.907	0.789	4.866	5.529												

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2030-08	2030-09	2030-10	2030-11	2030-12	2031	2031-02	2031-03	2031-04	2031-05	2031-06	2031-07	2031-08	2031-09	2031-10	2031-11	2031-12	2032	2032-02	2032-03	2032-04	2032-05	2032-06	2032-07	2032-08	
Sleeping Giant	MEAN	3.45	3.074	0.789	0.781	0.375	0.381	0.572	1.37	3.328	3.323	3.196	3.325	3.324	3.201	0.788	0.75	0.39	0.381	0.552	1.424	3.325	3.196	3.322	3.453	3.322	
	P5	3.413	3.031	0.768	0.768	0.37	0.362	0.565	1.353	3.284	3.284	3.162	3.288	3.29	3.157	0.779	0.738	0.386	0.357	0.545	1.408	3.298	3.165	3.322	3.423	3.287	
	P95	3.484	3.108	0.797	0.794	0.379	0.404	0.578	1.386	3.362	3.355	3.228	3.355	3.352	3.241	0.798	0.762	0.395	0.401	0.558	1.444	3.356	3.225	3.353	3.482	3.36	
Thompson Falls	MEAN	19.603	14.863	19.058	20.219	22.476	21.978	22.333	30.566	34.517	32.579	31.269	18.849	15.43	19.059	19.463	23.877	21.978	20.131	23.203	30.562	33.227	33.333	33.423	32.479	18.895	
	P5	16.083	11.662	14.67	15.871	17.413	17.36	16.146	17.611	24.047	25.794	24.944	23.485	14.586	11.428	14.794	15.729	19.083	16.214	14.449	18.459	23.944	25.762	26.611	25.061	14.296	
	P95	24.675	19.012	23.771	26.172	28.451	26.529	26.76	26.924	38.244	42.803	38.538	41.385	23.107	19.475	23.758	24.212	28.275	27.144	25.498	28.095	37.526	41.382	40.424	39.485	23.562	
Hydro - Total	MEAN	118.184	95.963	105.851	103.826	108.178	110.51	105.345	116.571	134.849	150.	148.155	136.403	113.526	99.619	105.904	99.885	113.169	110.773	101.62	121.16	134.746	144.316	153.88	141.837	113.782	
	P5	94.15	73.07	80.396	79.415	81.53	83.651	78.121	89.042	100.908	105.646	109.295	99.884	86.769	73.138	79.675	77.375	88.567	77.255	71.308	92.643	101.566	108.3	116.212	105.296	83.442	
	P95	156.057	128.864	136.212	142.733	147.558	143.492	143.241	151.79	178.575	198.241	189.926	193.234	141.889	130.686	139.078	128.785	141.69	144.26	136.522	155.778	174.749	192.704	191.402	181.859	148.242	
Load	MEAN	-412.515	-324.883	-367.134	-360.897	-400.28	-439.655	-372.708	-368.071	-343.097	-338.607	-350.127	-435.403	-403.154	-340.456	-371.198	-350.464	-443.419	-419.286	-443.419	-369.122	-384.972	-346.617	-328.832	-365.852	-455.092	-408.063
	P5	-423.154	-332.801	-372.582	-366.893	-409.972	-456.283	-382.126	-376.291	-348.945	-343.802	-355.91	-460.557	-417.023	-347.789	-375.842	-356.919	-429.905	-467.08	-378.05	-393.961	-352.318	-332.765	-373.024	-477.142	-424.731	
	P95	-401.405	-318.437	-362.154	-354.124	-389.853	-424.167	-363.368	-361.881	-337.121	-333.	-344.659	-412.257	-388.14	-333.808	-365.705	-344.661	-407.116	-422.369	-359.261	-376.534	-341.48	-325.418	-360.551	-433.018	-393.743	
Morgan 5 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
PPL 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
Small QF1	MEAN	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.012	
	P5	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.012	
	P95	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.012	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.012	
Small Tier II	MEAN	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129			
	P5	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129			
	P95	0.131	0.11	0.087	0.059	0.013	0.015	0.014	0.025	0.07	0.084	0.124	0.115	0.126	0.115	0.087	0.057	0.014	0.015	0.014	0.026	0.07	0.081	0.129			
Tiber	MEAN																										
	P5																										
	P95																										
TransAlta 10 RFP (HL)	MEAN																										
	P5																										
	P95																										
Turnbull	MEAN	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966	4.652	5.543	3.988	
	P5	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966	4.652	5.543	3.988	
	P95	4.142	1.331	0.018						2.045	4.473	5.338	3.988	1.387	0.018								1.966	4.652	5.543	3.988	
Physical Instrument - Total	MEAN	4.286	1.453	0.118	0.072	0.025	0.027	0.038	0.083	2.141	4.609	5.465	4.127	1.514	0.118	0.069	0.026	0.027	0.026	0.039	0.083	2.059	4.793	5.556	4.001		
	P5	4.286	1.453	0.118	0.072	0.025	0.027	0.038	0.083	2.141	4.609	5.465	4.127	1.514	0.118	0.069	0.026	0.027	0.026	0.039	0.083	2.059	4.793	5.556	4.001		
	P95	4.286	1.453	0.118	0.072	0.025	0.027	0.038	0.083	2.141	4.609	5.465	4.127	1.514	0.118	0.069	0.026	0.027	0.026	0.039	0.083	2.059	4.793	5.556	4.001		
Deer Creek Solar	MEAN	0.707	0.477	0.38	0.168	0.126	0.147	0.265	0.386	0.55	0.573	0.621	0.719	0.676	0.493	0.379	0.161	0.132	0.149	0.256	0.4	0.551	0.548	0.645	0.746	0.675	
	P5	0.211	0.003	0.052	0.026	0.044	0.01	0.027	0.069	0.159	0.033	0.04	0.324	0.209	0.005	0.043	0.038	0.026	0.062	0.113	0.091	0.029	0.338	0.19			
	P95	0.981	0.818	0.796	0.438	0.32	0.467	0.675	0.717	0.87	0.922	0.968	0.954	0.939	0.849	0.79	0.496	0.307	0.484	0.675	0.754	0.862	0.877	1.012	0.993	0.944	
Distributed Generation	MEAN	3.21	2.438	2.043	1.309	1.05	1.34	1.797	2.548	3.	3.262	3.444	3.657	3.346	2.75	2.206	3.163	3.253	2.855	3.253	3.783	3.744	3.115	3.614			
	P5	0.154	0.411	0.943	0.892	0.701	0.904	0.806	1.556	1.423	1.246	0.439	0.108	0.153	0.513	0.956	0.971	0.776	1.051	0.791	1.706	1.636	1.3	0.402	0.101	0.198	
	P95	5.575	4.57	3.652	1.936	1.405	1.787	3.294	3.512	5.156	5.743	6.171	6.258	6.035	5.007	3.842	1.99	1.562	1.906	3.517	4.08	5.44	5.953	6.816	6.998	6.27	
Fairfield	MEAN	0.961	1.139	2.144	2.1	2.101	2.339	1.505	1.981	2.025	0.83	1.203	0.993	0.926	1.178	2.151	2.042	2.167	2.33	1.447	2.038	2.03	0.8	1.254	1.013	0.935	
	P5	0.666	0.857	1.769	1.679	1.597	1.851	1.107	1.652	1.702	0.559	0.965	0.735	0.706	0.927	1.779	1.551	1.633	1.576	1.004	1.654	1.735	0.526	0.992	0.707	0.69	
	P95	1.228	1.454	2.467	2.576	2.646	2.786	1.853	2.303	2.386	1.183	1.521	1.301	1.168	1.461	2.602	2.503	2.834	2.795	1.861	2.479	2.283	1.131	1.555	1.299	1.233	
Gordon Butte	MEAN	1.054	1.346	2.14	2.548	2.666	2.956	2.138	2.349	2.349	1.574	1.219	1.217	1.057	1.34	1.639	2.057	1.34	1.639	1.045	1.027						
	P5	0.642	0.931	1.716	2.099	2.083	2.503	1.681	1.866	1.599	0.934	1.229	0.622	0.672	0.971	1.677	1.87	2.216	2.392	1.571	1.903	1.631	0.933	1.171	0.648	0.652	

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2032-09	2032-10	2032-11	2032-12	2033	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09
Basin Creek	MEAN	4.589	0.961	2.385	4.909	3.668	2.037	1.19	1.708	1.23	0.234	5.253	8.997	4.811	0.903	2.212	5.092	4.029	2.041	1.216	1.572	1.193	0.239	5.605	8.982	4.952
	P5	0.	0.	0.168	0.	0.078	0.	0.123	0.	0.078	0.	0.022	0.089	0.	0.0436	0.052	0.235	0.089	0.	0.078	0.	0.	0.529	3.352	0.145	
	P95	13.395	5.697	7.866	13.998	9.603	5.77	3.523	4.975	3.754	1.031	10.19	14.212	11.709	3.8	5.969	10.403	9.247	5.075	3.917	4.054	4.253	0.792	10.948	15.033	14.295
CELP 2015	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	40.109	41.327	40.223	44.651	42.374	38.086	41.491	36.817	35.	37.983	38.918	44.091	40.286	41.9	40.1	44.103	41.954	38.211	41.678	35.622	36.148	37.426	39.101	44.321	40.23
	P5	30.027	33.971	29.605	36.668	34.281	28.483	30.571	25.892	21.431	25.558	29.886	35.927	30.993	34.551	32.105	35.765	34.112	27.989	30.453	22.173	21.762	15.778	31.05	36.069	31.304
	P95	44.373	46.032	44.373	47.934	46.118	42.593	47.219	44.868	42.866	43.622	44.387	47.808	44.391	46.163	44.378	47.952	46.014	42.489	47.597	43.261	44.576	45.291	44.4	47.813	44.391
Colstrip 4	MEAN	40.613	40.314	40.128	44.036	41.873	38.761	40.812	37.682	34.778	38.313	39.414	43.925	40.582	41.153	39.88	43.991	41.787	38.012	41.297	36.211	8.622	5.907	39.244	43.986	40.61
	P5	32.592	29.534	33.396	35.193	33.492	31.892	30.836	27.356	23.525	23.473	30.837	35.149	32.61	33.156	30.478	36.594	32.625	29.209	29.346	25.423	5.326	2.318	29.939	36.312	31.634
	P95	44.382	46.104	44.373	47.943	46.086	42.588	47.368	44.994	42.741	44.922	44.387	47.808	44.391	46.154	44.373	47.952	46.046	42.516	47.597	43.381	10.31	7.046	44.4	47.885	44.391
CX CCCT1	MEAN	119.455	102.037	104.648	126.053	107.292	91.439	72.945	53.906	35.057	4.256	99.621	127.491	121.835	103.631	106.189	125.787	107.42	93.11	73.103	50.698	38.237	3.46	98.675	125.14	120.319
	P5	95.197	71.447	75.83	105.321	84.96	68.588	47.529	30.293	4.894	0.	73.65	103.754	101.541	73.712	78.064	102.786	89.252	69.16	52.33	29.273	17.996	0.	72.485	104.379	100.621
	P95	130.882	127.186	124.189	141.955	126.578	112.506	97.645	75.239	58.008	20.004	130.314	138.064	133.328	127.223	124.136	141.292	123.937	110.977	93.844	73.032	62.492	22.146	132.698	139.251	133.836
CX FrameCT1	MEAN	2.303	0.175	1.29	3.638	4.138	1.861	0.47	0.36	0.362	0.	4.574	12.066	2.04	0.094	1.156	3.769	4.383	1.685	0.652	0.439	0.268		4.146	11.678	2.618
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.		0.	1.317	0.
	P95	9.669	0.	6.176	13.726	10.709	6.292	2.565	2.309	2.232	0.	11.452	20.828	6.972	0.	6.064	12.035	11.439	6.473	3.773	3.295	2.488		11.875	23.135	12.948
CX FrameCT1	MEAN	2.375	0.174	1.301	3.567	4.04	1.961	0.476	0.376	0.385	0.	4.595	11.909	2.036	0.104	1.117	3.683	4.268	1.685	0.611	0.483	0.284		4.168	11.771	2.673
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.		0.	1.62	0.
	P95	11.11	0.	6.085	12.825	10.568	7.459	2.565	2.591	2.232	0.	11.596	20.781	7.42	0.	6.132	11.876	11.096	6.48	3.73	3.541	2.644		11.803	22.422	14.756
CX Recip1	MEAN	5.132	2.916	3.695	4.902	4.345	3.109	2.343	2.269	1.752	0.908	4.452	5.543	3.337	3.185	3.985	5.196	4.444	3.18	2.391	2.213	1.916	0.921	4.477	5.595	5.385
	P5	2.168	0.332	1.148	2.321	2.193	1.462	0.706	0.774	0.34	0.202	2.975	4.531	3.009	2.722	1.59	3.077	2.355	1.233	0.655	0.578	0.034	2.527	4.235	3.256	
	P95	6.511	6.18	5.755	6.826	5.976	4.854	4.199	3.706	3.145	3.111	6.698	6.477	6.571	5.967	5.806	6.741	5.704	4.675	4.14	3.511	3.366	2.695	6.741	6.596	6.528
CX Recip10	MEAN	5.143	2.926	3.716	4.917	4.332	3.108	2.339	2.258	1.762	0.909	4.445	5.498	3.356	3.197	3.976	5.207	4.445	3.173	2.417	2.223	1.932	0.923	4.467	5.59	5.384
	P5	2.168	0.332	1.241	2.321	2.21	1.462	0.714	0.774	0.364	0.026	2.865	4.369	2.941	2.722	1.59	3.077	2.355	1.275	0.748	0.655	0.578	0.034	2.848	4.131	3.332
	P95	6.511	6.18	5.925	6.945	5.908	4.786	4.157	3.766	3.266	3.111	6.69	6.392	6.571	5.865	5.738	6.749	5.695	4.65	4.199	3.689	3.366	2.695	6.741	6.579	6.494
CX Recip2	MEAN	5.15	2.932	3.684	4.911	4.365	3.099	2.334	2.245	1.775	0.91	4.46	5.546	3.355	3.188	3.965	5.169	4.424	3.172	2.386	2.217	1.923	0.93	4.472	5.608	5.384
	P5	2.151	0.289	1.182	2.321	2.193	1.462	0.723	0.774	0.34	0.026	2.975	4.582	3.009	2.722	1.581	3.052	2.1	1.25	0.748	0.655	0.578	0.034	2.907	4.318	3.273
	P95	6.477	6.18	5.899	6.877	5.908	4.854	4.165	3.766	3.145	3.111	6.69	6.418	6.571	5.865	5.806	6.732	5.653	4.658	4.131	3.698	3.366	2.695	6.783	6.588	6.503
CX Recip3	MEAN	5.143	2.919	3.713	4.906	4.344	3.105	2.337	2.266	1.765	0.911	4.434	5.551	3.36	3.207	3.986	5.191	4.451	3.176	2.41	2.218	1.92	0.925	4.452	5.608	5.384
	P5	2.125	0.332	1.241	2.321	2.21	1.462	0.689	0.774	0.34	0.026	2.814	4.556	3.009	2.722	1.59	3.077	2.355	1.224	0.748	0.655	0.578	0.034	2.907	4.276	3.332
	P95	6.503	6.18	5.925	6.851	5.976	4.786	4.199	3.672	3.12	3.111	6.698	6.477	6.52	5.95	5.806	6.817	5.695	4.675	4.199	3.698	3.366	2.695	6.783	6.596	6.52
CX Recip4	MEAN	5.146	2.914	3.7	4.934	4.361	3.104	2.335	2.249	1.773	0.91	4.461	5.543	3.362	3.159	3.975	5.205	4.443	3.178	2.396	2.226	1.914	0.922	4.475	5.599	5.367
	P5	2.168	0.332	1.241	2.321	2.049	1.462	0.723	0.774	0.34	0.026	2.839	4.548	3.009	2.722	1.59	3.077	2.355	1.275	0.748	0.655	0.578	0.034	2.907	4.318	3.324
	P95	6.494	5.942	5.925	6.945	5.908	4.845	4.157	3.766	3.145	3.111	6.63	6.469	6.571	5.899	5.797	6.843	5.653	4.624	4.199	3.579	3.366	2.695	6.783	6.596	6.554
CX Recip5	MEAN	5.596	3.153	3.987	5.337	4.699	3.359	2.523	2.459	1.895	0.976	4.811	5.359	3.454	3.267	4.286	5.639	4.803	3.435	2.607	2.058	1.001	0.483	4.606	5.832	
	P5	2.346	0.359	1.178	2.438	2.318	1.527	0.782	0.837	0.368	0.028	3.22	4.904	3.257	2.048	1.72	3.33	2.548	1.38	0.81	0.708	0.626	0.037	3.054	4.563	3.533
	P95	7.047	6.532	6.21	7.516	6.449	5.253	4.471	4.039	3.358	3.767	7.112	7.001	7.084	6.458	6.274	7.268	6.118	4.996	4.554	3.846	3.625	2.916	7.342	7.13	7.093
CX Recip6	MEAN	5.549	3.167	4.009	5.322	4.696	3.365	2.52	2.446	1.912	0.982	4.801	5.99	3.808	3.463	4.299	5.618	4.807	3.432	2.604	2.029	2.081	0.998	4.844	6.049	5.826
	P5	2.346	0.359	1.343	2.512	2.337	1.582	0.837	0.837	0.368	0.028	3.146	4.876	3.258	2.094	1.72	3.33	2.328	1.343	0.81	0.699	0.626	0.037	3.174	4.336	3.606
	P95	7.001	6.688	6.394	7.461	6.449	5.253	4.517	4.076	3.333	3.33	7.056	6.964	7.038	6.458	6.219	7.305	6.173	5.06	4.554	4.002	3.551	2.834	7.342	7.13	7.066
CX Recip7	MEAN	5.549	3.145	4.002	5.33	4.712	3.359	2.513	2.456	1.911	0.982	4.827	5.993	3.786	3.454	4.303</										

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2032-09	2032-10	2032-11	2032-12	2033	2033-02	2033-03	2033-04	2033-05	2033-06	2033-07	2033-08	2033-09	2033-10	2033-11	2033-12	2034	2034-02	2034-03	2034-04	2034-05	2034-06	2034-07	2034-08	2034-09	
Sleeping Giant	MEAN	3.202	0.759	0.78	0.405	0.382	0.572	1.424	3.324	3.195	3.321	3.195	3.455	3.202	0.759	0.781	0.405	0.383	0.572	1.424	3.196	3.323	3.324	3.194	3.453	3.202	
	P5	3.165	0.749	0.767	0.401	0.361	0.565	1.41	3.286	3.16	3.285	3.16	3.42	3.167	0.751	0.769	0.4	0.359	0.564	1.406	3.169	3.284	3.289	3.161	3.419	3.153	
	P95	3.231	0.767	0.795	0.409	0.403	0.578	1.441	3.365	3.225	3.356	3.233	3.479	3.232	0.769	0.79	0.41	0.406	0.58	1.438	3.223	3.354	3.351	3.223	3.482	3.232	
Thompson Falls	MEAN	15.451	18.375	20.208	24.349	21.96	20.863	23.202	30.557	33.105	33.853	30.165	19.59	15.437	18.348	20.272	24.315	21.959	20.902	20.165	23.141	29.431	34.491	33.831	30.103	19.592	15.442
	P5	12.078	13.752	16.536	19.25	17.655	16.026	18.205	23.299	24.979	26.035	23.464	16.082	12.494	14.63	16.308	19.662	17.118	16.423	18.709	23.399	27.823	27.231	23.906	14.679	11.985	
	P95	18.632	23.598	24.936	29.985	27.208	25.25	29.299	36.806	42.559	41.915	39.354	24.021	18.932	23.908	25.435	31.19	26.793	26.496	28.138	36.619	43.83	41.044	36.908	24.399	19.765	
Hydro - Total	MEAN	99.745	102.068	103.762	117.437	110.629	105.366	121.073	134.777	143.746	153.971	131.675	118.074	99.719	101.889	104.016	117.202	110.658	105.548	120.852	129.697	149.785	153.988	131.488	118.055	99.755	
	P5	75.722	76.591	82.579	88.149	84.406	78.251	90.415	98.037	105.117	115.411	99.232	95.296	78.197	78.744	81.739	89.979	82.247	79.513	94.934	98.167	117.121	121.929	96.853	86.117	77.264	
	P95	126.084	138.861	135.946	151.743	149.065	133.988	166.843	174.38	195.397	201.661	186.714	149.376	131.596	139.464	132.877	163.76	141.552	142.223	151.801	177.588	205.327	199.492	170.489	155.183	131.003	
Load	MEAN	-343.64	-361.144	-367.092	-439.413	-446.73	-380.612	-388.477	-349.538	-332.742	-370.012	-427.821	-427.195	-447.195	-346.623	-364.858	-371.674	-444.701	-453.298	-384.415	-392.288	-348.291	-373.484	-433.203	-430.656	-350.955	
	P5	-351.325	-366.887	-373.357	-450.306	-469.152	-389.057	-395.748	-355.471	-336.827	-374.81	-443.254	-439.867	-353.029	-370.566	-378.848	-454.432	-468.719	-393.716	-400.766	-344.672	-353.023	-379.357	-451.233	-444.738	-358.187	
	P95	-338.327	-355.151	-359.995	-426.171	-425.253	-373.736	-381.125	-345.286	-328.617	-364.574	-410.022	-416.157	-340.505	-359.442	-364.609	-434.11	-434.448	-376.313	-384.647	-334.964	-343.901	-368.094	-415.654	-416.056	-343.687	
Morgan 5 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
PPL 09 RFP (HL)	MEAN																										
	P5																										
	P95																										
Small QF1	MEAN	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
	P5	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
	P95	0.012	0.012	0.012	0.013	0.012	0.013	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
Small Tier II	MEAN																										
	P5																										
	P95																										
Tiber	MEAN																										
	P5																										
	P95																										
TransAlta 10 RFP (HL)	MEAN																										
	P5																										
	P95																										
Turnbull	MEAN	1.387	0.017																								
	P5	1.387	0.017																								
	P95	1.387	0.017																								
Physical Instrument - Total	MEAN	1.399	0.03	0.012	0.013	0.012	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
	P5	1.399	0.03	0.012	0.013	0.012	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
	P95	1.399	0.03	0.012	0.013	0.012	0.013	0.013	0.013	0.012	0.013	0.012	0.013	0.012	0.012	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	0.013	0.012	
Deer Creek Solar	MEAN	0.49	0.365	0.167	0.137	0.149	0.262	0.399	0.546	0.55	0.64	0.685	0.7	0.487	0.361	0.167	0.134	0.144	0.262	0.398	0.524	0.568	0.64	0.683	0.694	0.485	
	P5	0.004	0.039	0.019	0.056	0.009	0.024	0.047	0.182	0.031	0.041	0.298	0.163	0.008	0.027	0.018	0.046	0.008	0.025	0.096	0.126	0.027	0.034	0.29	0.181	0.002	
	P95	0.843	0.753	0.508	0.312	0.438	0.672	0.754	0.861	0.898	1.013	0.926	0.983	0.833	0.75	0.498	0.347	0.471	0.69	0.744	0.835	0.929	1.008	0.908	0.98	0.838	
Distributed Generation	MEAN	2.963	2.297	1.534	1.334	1.566	2.091	3.083	3.513	4.048	4.624	4.12	3.048	3.198	1.654	1.431	1.684	2.255	3.34	3.642	4.099	4.38	4.452	4.352	3.437		
	P5	0.524	0.88	1.05	0.925	1.196	1.018	1.861	1.741	1.637	0.545	0.128	0.181	0.597	1.093	1.117	0.996	1.248	1.083	2.015	1.619	1.727	0.547	0.299	0.137	0.661	
	P95	5.514	4.085	2.213	1.822	2.056	3.598	4.381	5.748	6.382	7.265	6.938	7.212	6.938	4.339	2.334	1.959	2.267	3.875	4.841	6.122	7.181	7.857	7.395	7.672	6.357	
Fairfield	MEAN	1.189	2.071	2.12	2.242	2.426	1.502	2.036	2.037	0.808	1.249	0.946	0.971	1.189	2.063	2.122	2.236	2.085	1.217	1.824	1.539	0.999	1.126	0.957	0.802	0.962	
	P5	0.917	1.607	1.729	1.696	1.854	1.109	1.654	1.782	0.581	0.986	0.68	0.747	0.894	1.753	1.704	1.696	1.612	0.813	1.386	1.088	0.567	0.82	0.402	1.514	0.586	
	P95	1.47	2.383	2.529	2.746	2.988	1.928	2.367	2.777	1.027	1.573	1.262	1.233	1.493	2.493	2.468	2.765	2.814	1.742	2.31	1.993	1.392	1.483	1.094	1.188	1.367	
Gordon Butte	MEAN	1.401	2.06	2.566	2.869	3.091	2.211	2.42	2.062	1.353	1.64	0.971	1.403	2.045	2.42	2.881	2.848	2.971	2.22	2.436	1.981	1.407	1.631	1.094	1.054	1.408	
	P5	1.017	1.48	2.147	2.347	2.536	1.676	1.896	1.639	0.976	1.233	0.613	0.699	0.935	1.654	2.145	2.311	2.528	1.74	1.95	1.501	0.852	1.225	0.664	0.722	0.88	
	P95	1.804	2.461	2.961	3.32	3.592	2.763	2.871	2.518	1.472	1.573	1.262	1.491	2.192	2.571	2.945	3.362	3.413	2.726	2.918	2.475	1.96	2.118	1.353	1.534	1.877	
Green Meadow Solar	MEAN	0.466	0.301	0.166	0.127	0.153	0.237	0.419	0.503	0.566	0.592	0.647	0.621	0.463	0.299	0.166	0.124										

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2034-10	2034-11	2034-12	2035	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12
Basin Creek	MEAN	1.017	2.402	4.719	4.133	2.128	1.231	1.546	1.441	0.335	5.632	9.116	4.958	1.214	2.482	4.973
	P5	0.	0.022	0.302	0.201	0.078	0.	0.022	0.	0.	0.101	2.948	0.156	0.	0.011	0.268
	P95	4.892	8.031	12.066	10.143	6.8	4.156	4.761	4.286	1.539	11.264	14.994	13.216	6.314	8.37	11.354
CELP 2015	MEAN															
	P5															
	P95															
Coltrip 3	MEAN	41.572	40.128	40.026	41.789	38.706	41.881	36.123	4.215	8.783	38.802	44.396	38.783	43.682	40.298	41.684
	P5	32.928	32.438	32.744	31.237	30.799	30.186	25.957	1.658	3.896	30.486	37.327	29.595	35.27	30.29	34.305
	P95	46.172	44.387	44.391	46.077	42.534	47.372	43.618	5.177	10.585	43.518	47.786	42.624	47.93	44.387	44.4
Coltrip 4	MEAN	40.632	40.54	40.463	41.721	38.415	41.106	36.901	36.227	38.454	39.362	44.301	39.12	43.101	40.818	41.08
	P5	30.845	31.422	31.994	32.002	29.132	29.925	27.244	22.021	22.207	31.519	36.183	31.649	34.84	34.553	33.297
	P95	46.163	44.387	44.391	46.091	42.552	47.084	43.618	44.67	45.472	42.956	47.822	42.624	47.93	44.4	44.4
CX CCCT1	MEAN	105.	106.085	117.145	106.828	92.302	72.354	49.319	37.564	7.088	99.54	126.84	115.011	108.81	107.612	117.929
	P5	81.877	79.68	94.654	85.868	70.221	47.906	29.618	14.344	0.	73.875	105.638	92.791	79.894	85.048	93.169
	P95	127.889	125.792	132.554	125.362	110.938	96.359	70.197	60.34	56.486	127.123	138.574	129.226	130.957	125.06	132.063
CX FrameCT1	MEAN	0.105	1.359	3.293	4.53	1.628	0.567	0.399	0.412	0.	4.469	11.428	2.389	0.204	1.151	3.488
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.4	0.	0.	0.	0.
	P95	0.629	8.024	14.682	12.172	5.951	3.247	2.365	2.125	0.	13.604	22.862	12.443	0.	6.82	15.964
CX FrameCT1	MEAN	0.152	1.318	3.186	4.641	1.621	0.546	0.382	0.423	0.	4.425	11.464	2.429	0.193	1.128	3.39
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.4	0.	0.	0.	0.
	P95	0.629	7.865	15.427	12.457	5.818	3.247	2.365	2.615	0.	12.67	22.783	12.403	0.	6.82	15.845
CX Recip1	MEAN	3.304	4.023	4.844	4.488	3.258	2.512	2.211	1.981	1.146	4.543	5.64	5.216	3.492	4.097	4.863
	P5	0.587	1.811	2.763	2.533	1.292	0.961	0.638	0.417	0.017	2.89	4.114	2.839	0.629	1.615	2.482
	P95	6.069	5.899	6.35	5.976	4.947	4.284	3.868	3.4	3.851	6.511	6.579	6.29	6.511	6.078	6.367
CX Recip10	MEAN	3.282	4.015	4.831	4.47	3.254	2.513	2.224	1.993	1.151	4.506	5.635	5.211	3.492	4.099	4.871
	P5	0.485	1.845	2.737	2.533	1.292	0.961	0.595	0.391	0.017	2.992	4.106	2.924	0.629	1.522	2.491
	P95	5.942	5.899	6.409	5.976	4.93	4.293	3.817	3.562	3.851	6.29	6.588	6.307	6.46	6.035	6.341
CX Recip2	MEAN	3.289	4.021	4.856	4.481	3.239	2.507	2.216	1.996	1.145	4.55	5.656	5.187	3.482	4.111	4.863
	P5	0.493	1.845	2.72	2.457	1.258	0.961	0.638	0.374	0.017	2.992	4.114	2.924	0.629	1.615	2.491
	P95	5.874	5.959	6.409	5.976	4.99	4.225	3.859	3.562	3.851	6.401	6.596	6.307	6.503	6.078	6.358
CX Recip3	MEAN	3.289	4.031	4.827	4.472	3.265	2.515	2.221	1.996	1.133	4.524	5.645	5.202	3.478	4.095	4.882
	P5	0.587	1.828	2.669	2.533	1.292	0.961	0.638	0.417	0.017	2.865	3.978	2.924	0.629	1.598	2.491
	P95	5.976	5.899	6.409	5.976	4.99	4.293	3.74	3.434	3.851	6.511	6.579	6.256	6.367	6.078	6.418
CX Recip4	MEAN	3.291	4.007	4.857	4.482	3.246	2.499	2.227	1.992	1.15	4.535	5.639	5.186	3.488	4.098	4.884
	P5	0.578	1.624	2.771	2.533	1.292	0.961	0.638	0.417	0.017	2.967	3.978	2.924	0.629	1.615	2.448
	P95	6.069	5.959	6.409	5.976	4.956	4.284	3.868	3.528	3.851	6.511	6.579	6.29	6.511	6.01	6.367
CX Recip5	MEAN	3.556	4.317	5.25	4.848	3.53	2.717	2.403	2.158	1.241	4.914	6.098	5.658	3.762	4.412	5.279
	P5	0.598	1.978	2.926	2.705	1.398	0.994	0.69	0.451	0.018	3.238	4.306	3.165	0.616	1.748	2.696
	P95	6.569	6.366	6.937	6.468	5.336	4.646	4.103	3.8	4.076	7.001	7.13	6.826	6.974	6.523	6.918
CX Recip6	MEAN	3.546	4.349	5.236	4.838	3.514	2.705	2.403	2.165	1.242	4.908	6.094	5.653	3.775	4.437	5.272
	P5	0.626	1.996	2.999	2.723	1.398	1.012	0.69	0.451	0.018	3.183	4.361	3.146	0.681	1.748	2.696
	P95	6.504	6.449	6.918	6.468	5.4	4.637	4.186	3.809	4.168	7.047	7.13	6.78	6.992	6.578	6.891
CX Recip7	MEAN	3.545	4.329	5.254	4.859	3.501	2.706	2.403	2.163	1.241	4.897	6.133	5.664	3.773	4.429	5.269
	P5	0.635	1.987	2.999	2.742	1.398	1.04	0.69	0.451	0.018	3.238	4.434	3.165	0.644	1.739	2.696
	P95	6.357	6.228	6.937	6.468	5.336	4.637	4.103	3.818	4.076	7.047	7.139	6.808	7.047	6.523	6.891
CX Recip8	MEAN	3.302	3.996	4.861	4.498	3.24	2.517	2.218	1.988	1.143	4.533	5.636	5.212	3.484	4.083	4.861
	P5	0.587	1.845	2.712	2.533	1.292	0.944	0.638	0.417	0.017	2.992	4.063	2.78	0.629	1.564	2.491
	P95	6.069	5.959	6.409	5.916	4.93	4.284	3.825	3.545	3.791	6.443	6.588	6.256	6.401	6.078	6.299
CX Recip9	MEAN	3.286	4.028	4.846	4.495	3.253	2.51	2.22	1.985	1.143	4.532	5.636	5.219	3.483	4.103	4.879
	P5	0.578	1.836	2.771	2.533	1.275	0.961	0.595	0.417	0.017	2.882	4.021	2.814	0.561	1.615	2.457
	P95	6.027	5.959	6.401	5.976	4.99	4.284	3.749	3.392	3.851	6.511	6.588	6.256	6.367	6.078	6.384
David Gates Generating Station	MEAN	23.781	27.804	34.685	32.407	24.074	21.347	21.691	21.28	16.234	33.82	42.351	37.596	25.334	28.508	35.063
	P5	13.068	15.163	20.663	20.818	14.595	14.248	14.675	13.73	12.48	20.625	32.848	21.145	13.473	15.9	21.413
	P95	42.28	43.05	46.65	42.43	35.57	30.585	30.375	29.643	26.818	45.313	49.148	46.72	46.66	42.463	46.813
YELP	MEAN															
	P5															
	P95															
Black Eagle	MEAN	5.633	6.13	5.437	5.495	5.518	7.251	7.445	8.025	7.981	6.496	6.751	5.305	5.861	6.105	5.452
	P5	4.366	4.745	4.003	4.407	3.98	5.728	6.003	6.412	6.104	4.753	5.064	3.867	4.627	4.857	4.195
	P95	6.883	7.67	6.742	6.649	6.831	8.852	8.856	9.451	9.976	8.227	8.111	6.607	7.184	7.668	6.862
Cochrane	MEAN	8.617	9.483	11.29	11.71	11.224	13.297	14.361	17.372	18.408	13.443	12.412	9.885	8.991	9.496	11.271
	P5	3.965	3.979	4.765	5.871	4.826	6.375	7.324	8.358	8.706	4.603	5.482	3.905	4.312	4.362	4.874
	P95	15.251	16.607	22.183	20.761	19.468	23.234	23.56	27.542	33.381	27.657	21.455	18.34	17.312	17.34	21.141
Hauser	MEAN	6.201	5.829	5.845	6.002	5.69	6.381	5.961	6.012	6.257	6.188	6.822	5.82	6.438	5.819	5.847
	P5	5.942	5.56	5.531	5.687	5.282	6.069	5.676	5.703	5.989	5.899	6.53	5.455	6.163	5.575	5.565
	P95	6.485	6.092	6.156	6.311	6.021	6.673	6.201	6.254	6.615	6.457	7.1	6.1	6.677	6.086	6.127
Holter	MEAN	11.866	12.207	12.902	13.253	12.341	13.816	14.052	15.261	15.659	13.735	12.805	10.983	12.336	12.197	12.911
	P5	9.876	10.108	10.415	11.206	9.864	11.564	11.85	12.89	12.976	11.293	10.433	8.843	10.369	10.331	10.824
	P95	14.068	14.623	15.435	15.638	14.73	16.321	16.355	17.46							

Net Position Report - Economically Optimal Portfolio - Heavy Load Hours (GWh)

Net Position, GWh		2034-10	2034-11	2034-12	2035	2035-02	2035-03	2035-04	2035-05	2035-06	2035-07	2035-08	2035-09	2035-10	2035-11	2035-12
Sleeping Giant	MEAN	0.76	0.781	0.375	0.383	0.571	1.423	3.198	3.321	3.323	3.196	3.451	3.07	0.789	0.781	0.375
	P5	0.752	0.766	0.37	0.36	0.564	1.404	3.162	3.279	3.295	3.157	3.417	3.037	0.779	0.767	0.371
	P95	0.768	0.795	0.38	0.403	0.58	1.44	3.233	3.358	3.355	3.225	3.482	3.104	0.798	0.794	0.38
Thompson Falls	MEAN	18.336	20.202	22.532	21.974	20.858	23.183	29.377	34.514	33.842	30.08	19.604	14.82	19.056	20.172	22.523
	P5	14.219	15.449	16.696	17.385	15.488	18.21	23.376	26.94	26.502	22.918	14.677	10.931	15.045	15.891	17.349
	P95	22.91	25.229	28.481	27.541	26.225	28.979	35.463	41.187	43.014	37.956	24.138	18.531	23.846	25.564	28.944
Hydro - Total	MEAN	101.823	103.738	108.544	110.746	105.271	121.006	129.53	149.916	153.988	131.365	118.197	95.668	105.889	103.618	108.623
	P5	77.351	77.622	77.184	82.725	74.968	90.196	99.681	112.408	116.68	96.901	87.121	68.909	81.816	79.732	80.12
	P95	130.77	135.864	150.17	148.204	140.464	158.147	166.344	188.128	208.261	179.059	152.574	126.407	140.892	137.727	149.173
Load	MEAN	-368.611	-375.069	-416.177	-458.237	-388.269	-395.718	-343.155	-352.383	-377.605	-438.282	-434.814	-340.883	-385.258	-379.676	-420.748
	P5	-374.055	-382.169	-426.518	-479.387	-395.391	-402.138	-349.262	-358.151	-382.645	-455.625	-448.135	-347.681	-389.437	-386.533	-428.835
	P95	-362.864	-367.64	-405.804	-438.487	-380.556	-387.735	-337.863	-347.753	-372.095	-421.69	-423.237	-335.474	-380.22	-373.533	-412.308
Morgan 5 09 RFP (HL)	MEAN															
	P5															
	P95															
PPL 09 RFP (HL)	MEAN															
	P5															
	P95															
Small QF1	MEAN															
	P5															
	P95															
Small Tier II	MEAN															
	P5															
	P95															
Tiber	MEAN															
	P5															
	P95															
TransAlta 10 RFP (HL)	MEAN															
	P5															
	P95															
Turnbull	MEAN															
	P5															
	P95															
Physical Instrument - Total	MEAN															
	P5															
	P95															
Deer Creek Solar	MEAN	0.358	0.164	0.124	0.143	0.261	0.394	0.518	0.563	0.637	0.679	0.691	0.464	0.373	0.165	0.123
	P5	0.036	0.02	0.045	0.007	0.024	0.055	0.111	0.047	0.011	0.257	0.2	0.002	0.041	0.026	0.044
	P95	0.766	0.49	0.283	0.444	0.681	0.739	0.831	0.915	1.018	0.932	0.967	0.802	0.781	0.479	0.293
Distributed Generation	MEAN	2.669	1.779	1.425	1.815	2.453	3.606	3.931	4.43	4.728	4.8	4.705	3.589	3.009	1.926	1.544
	P5	1.187	1.234	1.017	1.317	1.171	2.136	1.929	1.97	0.567	0.172	0.191	0.779	1.408	1.305	1.055
	P95	4.778	2.511	1.892	2.51	4.413	5.132	6.849	7.844	8.352	7.986	8.635	6.819	5.107	2.794	2.155
Fairfield	MEAN	1.626	1.969	1.855	2.004	1.214	1.811	1.55	0.99	1.138	0.734	0.79	0.926	1.696	1.899	1.849
	P5	1.206	1.432	1.237	1.486	0.751	1.395	1.158	0.696	0.803	0.507	0.531	0.602	1.294	1.516	1.366
	P95	2.068	2.402	2.507	2.491	1.67	2.25	1.935	1.349	1.449	1.004	1.151	1.251	2.093	2.376	2.394
Gordon Butte	MEAN	2.057	2.573	2.632	2.972	2.222	2.431	1.972	1.396	1.661	0.96	1.048	1.361	2.15	2.556	2.632
	P5	1.63	2.008	2.032	2.393	1.618	2.017	1.491	0.998	1.226	0.623	0.706	0.92	1.736	2.148	2.17
	P95	2.475	2.994	3.08	3.374	2.716	2.859	2.377	1.83	2.077	1.313	1.561	1.784	2.579	3.003	3.059
Green Meadow Solar	MEAN	0.296	0.163	0.114	0.15	0.237	0.415	0.477	0.582	0.59	0.643	0.612	0.441	0.308	0.163	0.114
	P5	0.026	0.069	0.053	0.065	0.066	0.106	0.093	0.064	0.011	0.212	0.026	0.012	0.042	0.063	0.056
	P95	0.61	0.369	0.219	0.276	0.505	0.661	0.758	0.841	0.936	0.863	0.94	0.737	0.605	0.32	0.215
Greenfield	MEAN	4.609	5.732	4.898	5.376	6.356	4.975	3.871	3.95	3.429	2.528	2.827	3.155	4.795	5.737	4.875
	P5	3.615	4.891	3.742	4.312	2.57	3.946	3.077	2.962	2.501	1.765	1.938	2.361	4.008	4.839	3.739
	P95	5.438	6.657	6.074	6.518	4.846	6.263	4.741	4.963	4.372	3.397	3.892	4.002	5.651	6.609	6.061
Judith Gap	MEAN															
	P5															
	P95															
Musselshell 1	MEAN	1.185	1.485	1.46	1.768	1.664	1.56	1.59	1.	1.071	0.69	0.748	0.922	1.244	1.459	1.455
	P5	0.86	1.06	0.863	1.315	1.279	1.209	1.288	0.717	0.779	0.492	0.534	0.651	0.956	1.144	0.98
	P95	1.537	1.843	2.068	2.263	2.033	1.949	1.878	1.399	1.372	0.916	1.039	1.19	1.538	1.898	2.004
Musselshell 2	MEAN	1.364	1.806	1.661	1.931	1.865	1.812	1.845	1.22	1.257	0.816	0.921	1.117	1.432	1.776	1.654
	P5	0.983	1.29	1.055	1.445	1.429	1.435	1.495	0.924	0.912	0.597	0.659	0.794	1.099	1.425	1.163
	P95	1.768	2.238	2.226	2.451	2.24	2.224	2.16	1.629	1.593	1.068	1.242	1.445	1.794	2.256	2.166
Ragen Ranch Solar	MEAN	0.38	0.172	0.151	0.193	0.295	0.437	0.511	0.554	0.603	0.628	0.643	0.477	0.396	0.172	0.15
	P5	0.04	0.037	0.08	0.037	0.059	0.118	0.129	0.115	0.017	0.122	0.045	0.009	0.035	0.048	0.076
	P95	0.754	0.434	0.273	0.461	0.672	0.73	0.824	0.907	1.007	0.932	1.005	0.823	0.757	0.424	0.271
River Bend Solar	MEAN	0.21	0.115	0.088	0.098	0.161	0.267	0.312	0.382	0.408	0.424	0.408	0.286	0.219	0.115	0.088
	P5	0.	0.	0.021	0.003	0.003	0.	0.013	0.114	0.118	0.273	0.165	0.005	0.	0.	0.021
	P95	0.464	0.322	0.22	0.268	0.377	0.497	0.549	0.581	0.631	0.552	0.61	0.509	0.472	0.318	0.248
South Mills Solar	MEAN	0.361	0.198	0.145	0.167	0.273	0.449	0.495	0.501	0.644	0.655	0.647	0.472	0.378	0.198	0.144
	P5	0.015	0.045	0.071	0.016	0.041	0.058	0.073	0.052	0.011	0.175	0.085	0.002	0.023	0.045	0.07
	P95	0.77	0.445	0.247	0.421	0.659	0.786	0.846	0.927	1.014	0.941	1.004	0.823	0.807	0.451	0.27
Spion Kop	MEAN	7.042	8.241	8.156	10.034	7.672	8.548	6.648	4.474	4.68	3.502	3.772	4.979	7.42	8.137	8.095
	P5	5.133	6.11	5.541	7.463	5.225	6.916	4.846	3.055	3.212	2.308	2.634	3.242	5.891	6.347	6.039
	P95	8.81	10.119	10.386	11.665	10.046	10.363	8.331	6.013	6.39	5.189	5.678	6.595	9.236	10.311	10.27
Two Dot Wind	MEAN	1.999	2.234	1.888	2.55	1.726	2.053	1.955	0.824	1.435	0.913	0.926	1.087	2.085	2.209	1.884
	P5	1.675	1.778	1.309	2.13	1.298	1.665	1.608	0.537	1.117	0.671	0.654	0.817	1.77	1.857	1.434
	P95	2.354	2.624	2.438	2.959	2.12	2.422	2.273	1.151	1.728	1.201	1.283	1.403	2.437	2.615	2.343
Wind/Solar Asset - Total	MEAN	24.156														