

Net Position Report - Economically Optimal Portfolio - ATC (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	15.3	12.33	8.673	7.056	4.225	1.545	12.312	17.272	14.034	6.367	9.031	14.841	11.049	6.758	4.533	4.053	2.663	0.564	8.052	15.212	9.964	3.029	7.048	11.756	10.671
	P5	8.805	6.083	4.306	2.471	0.872	0.082	4.681	11.128	5.247	1.557	3.843	7.863	5.63	2.737	1.945	1.212	0.331	0.022	2.518	10.443	5.335	1.003	3.968	8.407	6.773
	P95	19.202	17.459	12.397	11.158	8.182	4.963	18.18	21.988	21.174	13.998	14.886	22.551	17.107	11.469	7.234	6.735	5.259	1.663	12.687	19.164	15.093	6.295	10.803	15.795	14.845
CELP	MEAN	27.917	25.868	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917
	P5	27.917	25.868	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917
	P95	27.917	25.868	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917
Coltrip 3	MEAN	70.797	66.359	61.362	54.934	48.877	45.795	68.46	73.023	71.629	75.149	70.029	76.699	75.016	66.407	69.533	61.495	5.35	11.703	69.401	75.448	73.275	76.222	73.932	77.081	82.742
	P5	58.56	55.484	48.624	38.446	35.203	31.975	52.242	61.639	54.411	61.276	54.105	62.179	62.915	50.276	52.148	45.594	2.761	5.57	55.069	59.667	58.806	63.241	58.089	62.594	61.731
	P95	77.415	72.639	71.474	64.212	60.002	54.62	79.286	79.421	78.357	81.409	77.721	81.606	80.858	73.176	78.218	71.516	7.006	14.531	79.206	80.898	78.854	81.383	79.033	81.753	82.285
Coltrip 4	MEAN	70.695	65.612	60.272	54.843	49.594	46.804	68.305	72.745	73.545	74.535	71.262	75.827	74.019	66.768	69.413	61.475	56.262	52.405	69.751	75.143	75.053	74.389	73.94	76.975	75.721
	P5	59.733	55.136	45.284	39.499	36.234	33.24	50.904	58.395	60.093	58.848	57.33	61.509	61.007	51.375	58.169	49.077	44.973	39.126	54.632	63.904	57.876	59.111	64.333	62.076	
	P95	77.914	72.696	71.261	65.442	60.002	54.62	79.052	79.341	78.357	81.31	78.036	81.77	80.865	73.238	78.218	70.804	68.327	62.822	79.457	80.877	78.896	81.377	78.944	81.581	81.861
CX CCCT1	MEAN																									
	P5																									
	P95																									
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN																									
	P5																									
	P95																									
CX Recip10	MEAN																									
	P5																									
	P95																									
CX Recip2	MEAN																									
	P5																									
	P95																									
CX Recip3	MEAN																									
	P5																									
	P95																									
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	50.879	43.947	38.656	34.751	29.966	23.825	45.443	54.539	47.711	33.097	37.778	49.053	41.872	31.72	29.947	28.581	26.771	22.336	36.391	50.242	39.157	26.461	33.259	42.729	40.729
	P5	37.783	30.505	28.545	26.45	23.858	21.7	31.733	43.983	31.525	24.858	28.663	37.158	32.42	24.885	25.608	23.488	22.77	21.65	24.958	43.045	31.15	23.558	27.888	36.758	33.52
	P95	60.283	55.368	47.808	42.225	37.208	28.188	56.558	63.77	60.538	46.183	48.375	63.12	52.108	39.923	34.908	33.163	31.545	23.95	44.47	55.945	47.938	31.17	39.763	49.145	47.92
YELP	MEAN	36.36	36.168	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36
	P5	36.36	36.168	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36
	P95	36.36	36.168	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36
Black Eagle	MEAN	9.812	9.701	12.461	13.435	14.403	13.803	12.101	11.68	9.976	10.114	11.1	10.095	9.813	9.699	12.461	13.437	14.401	13.804	12.099	11.681	9.976	10.114	11.1	10.095	9.811
	P5	7.597	7.655	9.959	10.668	11.957	10.776	9.185	8.831	7.85	7.787	8.973	7.577	7.842	7.753	9.807	10.679	11.458	10.59	9.973	9.716	7.714	8.163	8.642	8.065	7.754
	P95	11.636	12.128	15.08	16.035	17.078	16.536	14.361	14.301	12.203	12.46	13.416	12.335	11.86	11.562	15.074	16.195	17.344	17.246	14.931	13.786	11.928	12.659	13.591	12.061	11.679
Cochrane	MEAN	20.995	19.728	22.918	25.89	31.084	32.068	25.284	21.449	18.664	15.571	17.188	21.081	20.999	19.724	22.917	25.893	31.083	32.07							

Net Position Report - Economically Optimal Portfolio - ATC (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	0.662	0.981	2.471	5.753	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.746	1.389	1.423	0.698	0.662		
	P5	0.64	0.973	2.443	5.701	5.901	5.708	5.9	5.894	5.673	1.372	1.408	0.674	0.634	0.973	2.451	5.704	5.905	5.702	5.944	5.686	1.377	1.401	0.691	0.634		
	P95	0.687	0.993	2.492	5.799	5.989	5.801	5.982	5.986	5.8	1.401	1.44	0.703	0.689	0.99	2.496	5.798	5.989	5.789	5.985	5.991	1.401	1.439	0.705	0.69		
Thompson Falls	MEAN	39.324	36.575	39.932	52.928	61.552	58.502	55.878	33.734	27.834	36.575	41.928	36.454	39.331	36.575	39.927	52.934	61.547	58.506	55.876	33.734	27.834	36.575	41.949	39.324		
	P5	30.204	28.318	30.906	41.794	49.924	46.276	43.713	25.454	22.025	25.048	29.323	31.523	31.227	29.777	31.808	41.345	47.625	45.422	42.687	27.922	21.5	26.198	28.341	33.089	31.047	
	P95	48.164	46.37	49.769	63.543	75.795	70.754	67.273	42.846	34.934	40.904	44.934	51.113	49.297	44.077	49.669	67.207	76.723	78.125	72.968	70.297	42.017	33.335	42.017	45.19	51.801	47.731
Hydro - Total	MEAN	198.278	184.411	208.666	234.204	268.25	266.946	245.054	203.848	180.052	182.551	187.183	202.006	198.295	184.385	208.666	234.221	268.233	266.959	245.045	203.846	180.051	182.569	187.175	202.01	198.264	
	P5	145.015	139.057	153.201	177.881	209.725	204.202	185.137	141.075	135.381	146.649	146.666	149.212	142.712	160.647	176.099	198.123	216.088	198.171	189.001	181.129	162.08	136.571	143.655	141.398	150.44	149.197
	P95	261.627	255.817	272.592	297.442	345.15	346.356	311.033	274.024	237.037	239	241.829	258.032	275.179	232.78	272.936	309.605	350.9	359.875	322.171	264.419	224.636	248.605	238.666	260.4	257.333	
Load	MEAN	-609.626	-541.87	-538.142	-492.655	-495.391	-512.325	-600.686	-570.248	-496.009	-518.159	-541.94	-617.674	-612.064	-543.507	-543.507	-494.143	-496.887	-518.372	-497.507	-497.507	-519.724	-543.577	-619.539	-614.054		
	P5	(635.7)	-561.331	-549.841	-500.817	-501.545	-519.013	-625.119	-585.199	-505.449	-527.643	-554.535	-637.805	-639.699	-560.561	-554.653	-502.594	-505.737	-520.353	-627.073	-590.343	-609.408	-528.513	-554.104	-635.087	-646.631	
	P95	-575.828	-526.198	-525.661	-482.105	-489.573	-506.686	-579.965	-554.469	-509.079	-527.442	-527.442	-602.279	-581.438	-526.773	-527.343	-484.717	-489.406	-507.163	-582.878	-555.354	-486.975	-510.206	-533.487	-602.501	-588.573	
Morgan 5 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	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	
	P5	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	
	P95	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	
Small Tier II	MEAN	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	
	P5	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	
	P95	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	
Tiber	MEAN	4.053	3.677	4.161	4.121					0.005	3.714	3.821	4.053	3.677	4.161	4.121						0.005	3.714	3.821	4.053		
	P5	4.053	3.677	4.161	4.121					0.005	3.714	3.821	4.053	3.677	4.161	4.121						0.005	3.714	3.821	4.053		
	P95	4.053	3.677	4.161	4.121					0.005	3.714	3.821	4.053	3.677	4.161	4.121						0.005	3.714	3.821	4.053		
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				0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127	2.493	0.031						
	P5				0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127	2.493	0.031						
	P95				0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127	2.493	0.031						
Physical Instrument - Total	MEAN	39.346	37.657	43.392	42.457	40.127	49.015	55.621	42.457	42.466	40.397	41.052	42.457	40.546	36.456	43.392	41.327	49.015	25.621	14.952	12.466	9.197	11.052	10.057	9.346		
	P5	39.346	37.657	43.392	42.457	40.127	49.015	55.621	42.457	42.466	40.397	41.052	42.457	40.546	36.456	43.392	41.327	49.015	25.621	14.952	12.466	9.197	11.052	10.057	9.346		
	P95	39.346	37.657	43.392	42.457	40.127	49.015	55.621	42.457	42.466	40.397	41.052	42.457	40.546	36.456	43.392	41.327	49.015	25.621	14.952	12.466	9.197	11.052	10.057	9.346		
Deer Creek Solar	MEAN	0.192	0.335	0.506	0.703	0.759	0.842	0.979	0.893	0.657	0.469	0.22	0.17	0.191	0.333	0.503	0.699	0.755	0.838	0.974	0.889	0.654	0.466	0.219	0.169	0.19	
	P5	0.024	0.043	0.113	0.249	0.211	0.192	0.608	0.442	0.066	0.042	0.059	0.016	0.042	0.219	0.344	0.587	0.724	0.914	0.998	0.508	0.274	0.074	0.015	0.015		
	P95	0.549	0.806	0.872	1.06	1.147	1.267	1.209	1.145	1.076	0.916	0.601	0.396	0.552	0.804	0.868	1.048	1.152	1.255	1.219	1.146	1.077	0.91	0.596	0.362	0.555	
Distributed Generation	MEAN	0.471	0.618	0.896	1.031	1.17	1.236	1.342	1.208	0.986	0.745	0.502	0.226	0.416	0.722	1.046	1.208	1.568	1.411	1.152	0.867	0.606	0.488	0.388	0.588		
	P5	0.346	0.29	0.536	0.437	0.379	0.165	0.028	0.072	0.142	0.34	0.345	0.278	0.401	0.327	0.666	0.574	0.617	0.18	0.049	0.05	0.167	0.395	0.405	0.325	0.415	
	P95	0.603	1.104	1.271	1.973	2.208	2.378	2.353	2.165	1.853	1.278	0.75	0.031	0.731	1.425	1.465	2.028	2.485	2.801	2.786	2.633	2.179	1.46	0.83	0.658	0.79	
Fairfield	MEAN	4.169	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.305	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.298	
	P5	3.333	2.069	2.888	3.03	3.067	1.372	1.204	1.61	1.972	3.021	3.997	1.666	1.018	3.021	3.164	2.957	3.07	1.372	1.24	1.664	3.06	3.157	3.976	3.745	3.475	
	P95	4.985	3.318	4.062	3.896	1.804	2.659	2.323	2.122	2.538	4.35	4.459	4.698	4.995	3.434	4.052	3.873	1.85	2.533	2.202	2.081	2.509	4.225	4.444	4.67	5.076	
Gordon Butte	MEAN	5.384	3.862	4.147	3.504	2.417	5.779	3.862	1.816	1.698	2.572	4.617	4.905	2.779	5.384	3.862	4.147	3.504	2.417	5.779	3.862	1.816	1.698	2.572	4.617	4.906	5.773
	P5	4.543	3.115	3.334	2.871	1.839	2.122	1.265	1.056	1.179	2.863	3.788	3.989	4.72	2.937	3.206	2.763	1.82	2.082	1.247	1.167	1.763	2.88	3.99	4.193	4.75	
	P95	6.071	4.695	4.886	4.232	3.18	3.521	2.648																			

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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	6.342	4.188	2.961	1.954	0.377	6.409	12.297	7.245	3.733	7.546	11.879	10.012	5.565	4.122	2.491	1.633	0.305	7.635	13.187	7.654	3.227	7.473	11.575	11.376	7.242
	P5	3.769	1.252	0.783	0.134	0.	0.767	6.945	2.168	0.964	3.055	6.982	5.147	1.638	1.49	0.334	0.022	0.	2.233	8.396	1.88	0.55	2.676	5.618	4.17	1.905
	P95	9.854	7.321	5.945	5.261	1.047	11.321	16.917	12.831	8.49	12.129	18.488	14.697	10.252	7.184	5.826	4.231	0.929	12.905	17.622	13.796	9.156	13.416	17.326	18.953	12.911
CELP	MEAN	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.868
	P5	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.868
	P95	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.868
Colstrip 3	MEAN	68.562	72.927	64.734	60.866	56.932	69.217	74.919	73.427	77.882	74.473	78.111	77.613	69.042	73.452	64.366	59.906	54.066	68.792	75.872	73.109	76.595	74.187	77.598	77.739	71.595
	P5	53.314	56.85	51.218	43.355	42.065	53.156	61.786	57.308	67.981	59.176	63.324	67.058	56.254	60.946	50.811	46.149	40.705	53.503	65.376	55.794	56.696	57.767	62.736	63.693	53.855
	P95	73.879	80.147	74.034	70.854	68.999	79.114	80.564	78.662	81.855	79.251	82.149	81.989	74.08	80.284	74.231	70.253	65.802	79.343	80.39	78.584	81.822	79.294	82.104	82.436	76.928
Colstrip 4	MEAN	68.472	71.816	65.717	61.224	57.586	69.569	74.347	74.027	77.133	74.745	78.181	76.214	69.882	73.17	64.767	17.807	13.649	68.765	74.902	74.564	74.818	73.664	77.995	77.48	72.469
	P5	54.151	56.575	54.125	46.679	40.789	57.344	58.976	59.73	64.431	61.227	66.314	62.15	58.766	62.821	51.029	12.044	7.541	52.535	61.241	62.147	58.172	55.969	64.889	65.684	59.285
	P95	73.832	79.994	74.034	70.96	68.999	79.079	80.367	78.58	81.768	79.23	82.128	82.102	73.912	80.284	74.361	21.605	18.068	79.343	80.359	78.518	81.854	79.301	82.091	82.436	76.928
CX CCCT1	MEAN																									
	P5																									
	P95																									
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN												4.019	2.349	1.772	0.967	0.645	0.112	3.007	4.675	3.081	1.536	3.202	4.669	4.655	3.151
	P5												2.227	0.842	0.74	0.102	0.	0.	1.063	3.145	0.935	0.315	1.411	2.508	2.04	1.105
	P95												5.619	3.893	2.975	2.21	1.539	0.357	5.313	5.95	5.185	3.851	5.296	6.528	7.251	5.245
CX Recip10	MEAN																									
	P5																									
	P95																									
CX Recip2	MEAN												4.005	2.339	1.776	0.971	0.647	0.111	3.015	4.692	3.064	1.543	3.2	4.646	4.645	3.161
	P5												2.125	0.884	0.74	0.102	0.	0.	1.139	3.179	0.995	0.349	1.309	2.457	2.04	1.105
	P95												5.576	3.885	2.941	2.21	1.539	0.34	5.381	5.95	5.177	3.987	5.313	6.46	7.259	5.245
CX Recip3	MEAN												4.008	2.343	1.775	0.967	0.649	0.111	3.008	4.687	3.091	1.55	3.209	4.659	4.679	3.168
	P5												2.236	0.884	0.731	0.102	0.	0.	1.139	3.145	0.995	0.349	1.403	2.482	2.006	1.105
	P95												5.568	3.893	2.924	2.21	1.539	0.332	5.381	5.95	5.185	3.978	5.296	6.528	7.259	5.355
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	30.666	29.031	26.345	25.385	22.094	33.143	44.677	33.938	27.382	33.75	42.57	39.035	29.039	28.678	25.558	24.855	21.944	35.37	45.841	34.31	26.484	33.527	42.047	41.645	32.704
	P5	26.86	24.295	22.65	22.32	21.6	22.92	35.745	25.313	23.37	26.938	34.408	30.845	22.948	24.27	21.9	22.32	21.6	24.72	37.495	24.663	23.07	26.125	31.67	29.195	23.918
	P95	36.173	33.92	31.438	31.433	23.	42.72	51.97	44.413	34.52	41.225	54.07	47.083	36.448	33.333	31.338	28.92	22.75	45.458	52.833	45.2	35.133	43.3	51.47	55.92	41.48
YELP	MEAN	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168
	P5	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168
	P95	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168
Black Eagle	MEAN	9.701	12.461	13.435	14.402	13.804	12.098	11.681	9.977	10.114	11.099	10.095	9.812	9.701	12.461	13.435	14.404	13.801	12.101	11.681	9.975	10.115	11.1	10.095	9.812	9.701
	P5	7.329	9.881	10.029	11.233	10.415	8.947	9.473	7.824	8.947	9.473	8.529	7.848	7.558	7.248	9.55	10.468	11.276	10.519	9.516	7.695	7.842	8.771	7.753	7.713	7.499
	P95	11.819	15.419	16.228	17.28	16.922	14.975	14.097	11.665	12.371	13.646	12.201	11.823	12.078	15.04	16.264	17.093	16.854	14.946	14.363	12.319	12.716	14.496	12.658	12.051	11.475
Cochrane	MEAN	19.73	22.921	25.886	31.083	32.072	25.276	21.453	18.663	15.574	17.187	21.082	20.997	19.728	22.921	25.885	31.09	32.061	25.283	21.454	18.658	15.573	17.188	21.084	20.999	19.722
	P5	8.792	11.052	10.36	14.161	14.933	8.25	10.516	9.383	7.584	8.003	9.365	10.538	9.883	10.47	11.938	13.298	14.027	9.481	8.947	8.078	6.651	8.299	8.984	9.403	9.74
	P95	34.194	43.981	44.742	54.33	55.896	47.437	37.775	31.725	27.635	31.22	33.811	37.869	33.447	38.732	44.965	53.11	51.34	52.422	39.742	33.09	30.502	34.285	39.346	37.325	32.476
Hauser	MEAN	9.957	11.																							

Net Position Report - Economically Optimal Portfolio - ATC (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	0.981	2.471	5.752	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.753	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981
	P5	0.972	2.444	5.709	5.889	5.707	5.901	5.707	5.889	5.685	1.377	1.401	0.692	0.637	0.973	2.443	5.712	5.897	5.714	5.899	5.686	1.376	1.407	0.691	0.628	0.972
	P95	0.992	2.498	5.799	5.987	5.804	5.995	5.986	5.789	5.829	1.403	1.445	0.706	0.69	0.992	2.497	5.789	5.995	5.797	5.987	5.993	5.786	1.402	1.443	0.705	0.693
Thompson Falls	MEAN	36.576	39.932	52.927	61.55	58.505	55.875	33.734	27.836	32.805	36.451	41.949	39.326	36.576	39.931	52.931	61.552	58.495	55.88	33.736	27.831	32.805	36.451	41.955	39.325	36.572
	P5	27.948	31.581	39.07	47.553	45.294	42.798	26.694	21.981	25.813	27.95	32.391	30.571	28.261	30.239	40.995	46.398	44.914	44.533	25.357	21.478	25.252	28.921	32.302	30.801	29.048
	P95	45.241	51.586	65.407	77.929	72.344	69.534	41.427	33.829	41.056	45.408	50.131	48.848	48.848	64.945	76.093	70.566	71.384	43.536	34.892	42.615	47.787	53.565	49.047	43.726	
Hydro - Total	MEAN	184.421	208.676	234.189	268.245	266.962	245.021	203.861	180.054	182.568	187.176	202.008	198.281	184.408	208.676	234.186	268.268	266.911	245.054	203.869	180.026	182.572	187.176	202.017	198.289	184.393
	P5	134.155	156.277	165.783	197.488	199.412	180.678	156.954	141.345	141.74	140.818	149.691	145.447	138.111	151.587	173.653	194.901	195.584	188.368	149.005	134.406	137.445	144.319	146.96	145.548	139.758
	P95	242.556	292.312	312.108	356.906	350.362	320.863	265.442	227.216	234.405	247.368	254.127	262.958	243.113	271.598	310.413	351.624	341.572	336.138	272.255	236.603	248.037	259.713	275.389	263.44	232.925
Load	MEAN	-545.273	-495.749	-498.503	-515.543	-604.458	-573.83	-499.124	-545.344	-621.553	-616.139	-547.124	-543.36	-497.432	-501.625	-517.293	-606.51	-575.778	-523.184	-547.195	-623.663	-618.281	-549.027	-549.027	-549.027	-549.027
	P5	-555.895	-553.581	-507.564	-506.291	-522.473	-624.703	-590.32	-512.019	-532.32	-555.784	-636.8	-649.467	-561.398	-556.544	-507.56	-508.545	-524.873	-630.718	-591.773	-509.814	-534.801	-557.026	-645.176	-649.165	-567.973
	P95	-532.731	-524.709	-484.167	-491.226	-509.03	-582.331	-555.986	-490.239	-512.175	-535.099	-606.023	-582.481	-530.076	-529.357	-488.734	-492.236	-510.396	-579.319	-559.825	-492.4	-512.685	-535.212	-604.968	-590.114	-528.257
Morgan 5 09 RFP (HL)	MEAN																									
	P5																									
PPL 09 RFP (HL)	MEAN																									
	P95																									
Small QF1	MEAN	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.278	2.189	3.812	2.169	1.631	1.471	1.178	0.747
	P5	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.278	2.189	3.812	2.169	1.631	1.471	1.178	0.747
	P95	0.819	1.672	1.548	1.487	2.96	9.35	2.261	3.884	2.241	1.703	1.543	1.25	0.819	1.672	1.548	1.487	2.96	9.278	2.189	3.812	2.169	1.631	1.471	1.178	0.747
Small Tier II	MEAN	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.888	5.603	4.649	3.997	3.115
	P5	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.888	5.603	4.649	3.997	3.115
	P95	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.92	5.635	4.693	4.043	3.16	5.159	5.583	4.977	6.802	6.726	5.564	6.09	6.888	5.603	4.649	3.997	3.115
Tiber	MEAN	3.677	4.161	4.121																						
	P5	3.677	4.161	4.121																						
	P95	3.677	4.161	4.121																						
TransAlta 10 RFP (HL)	MEAN																									
	P95																									
Turnbull	MEAN			0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	9.544	7.127	2.493	0.031				
	P5			0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	9.544	7.127	2.493	0.031				
	P95			0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	9.544	7.127	2.493	0.031				
Physical Instrument - Total	MEAN	7.656	10.992	11.257	10.127	17.815	25.621	14.952	12.466	9.197	11.052	10.057	9.346	7.656	10.992	11.257	10.127	17.815	25.549	14.88	12.394	9.093	10.948	9.941	9.229	7.54
	P5	7.656	10.992	11.257	10.127	17.815	25.621	14.952	12.466	9.197	11.052	10.057	9.346	7.656	10.992	11.257	10.127	17.815	25.549	14.88	12.394	9.093	10.948	9.941	9.229	7.54
	P95	7.656	10.992	11.257	10.127	17.815	25.621	14.952	12.466	9.197	11.052	10.057	9.346	7.656	10.992	11.257	10.127	17.815	25.549	14.88	12.394	9.093	10.948	9.941	9.229	7.54
Deer Creek Solar	MEAN	0.331	0.501	0.696	0.751	0.834	0.969	0.884	0.65	0.464	0.218	0.168	0.189	0.33	0.498	0.692	0.748	0.83	0.965	0.88	0.647	0.472	0.217	0.167	0.188	0.328
	P5	0.026	0.091	0.252	0.187	0.155	0.558	0.064	0.036	0.053	0.066	0.083	0.042	0.05	0.044	0.562	0.386	0.05	0.477	0.386	0.063	0.043	0.01	0.041	0.041	0.041
	P95	0.838	0.898	1.058	1.151	1.269	1.213	1.149	1.084	0.933	0.574	0.359	0.552	0.795	0.885	1.069	1.157	1.253	1.215	1.152	1.072	0.914	0.632	0.435	0.579	0.815
Distributed Generation	MEAN	0.772	1.119	1.289	1.462	1.545	1.603	1.677	1.509	1.233	0.638	0.52	1.209	1.392	1.578	1.688	1.812	1.63	1.331	1.005	0.678	0.668	0.688	0.668	0.901	0.901
	P5	0.329	0.641	0.61	0.526	0.176	0.029	0.071	0.192	0.144	0.448	0.386	0.456	0.43	0.742	0.637	0.591	0.187	0.038	0.048	0.263	0.461	0.494	0.375	0.504	0.431
	P95	1.423	1.597	2.221	2.66	2.93	2.991	2.768	2.397	1.621	0.879	0.704	0.835	1.542	1.778	2.524	2.955	3.249	3.202	2.938	2.494	1.617	0.984	0.793	0.937	1.618
Fairfield	MEAN	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.28	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.293	2.72
	P5	2.059	2.84	2.959	0.971	1.638	1.321	1.309	1.638	2.912	3.127	3.149	3.862	2.04	2.84	2.959	0.971	1.638	1.321	1.309	1.638	2.912	3.127	3.149	3.862	2.04
	P95	3.349	4.109	4.004	1.735	2.716	2.181	2.081	2.527	4.36	4.448	4.67	5.177	3.462	4.134	3.894	1.85	2.622	2.188	2.06	2.504	4.165	4.476	4.556	5.105	3.408
Gordon Butte	MEAN	3.862	4.147	3.504	2.417	2.779	1.816	4.678	2.393	3.662	4.169	4.905	5.549	3.862	4.147	3.504	2.417	2.779	1.816	4.698	2.393	3.662	4.617	5.779	3.862	3.862
	P5	2.918	3.274	2.718	1.82	1.986	1.059	1.188	1.628	2.75	3.959	4.077	4.803	2.902	3.306	2.721	1.741	1.964	1.251	1.096	1.841	2.957	3.851	4.106	4.755	3
	P95	4.64	4.959	4.287	3.004	3.674	2.511	2.283	3.174	4.63	5.342	5.604	6.363	4.73	4.912	4.239	3.171	3.572	2.39	2.421	3.086	4.338	5.627	6.265	6.477	4.777
Green Meadow Solar	MEAN	0.3	0.525	0.641	0.759	0.766	0.912	0.771	0.613	0.383	0.215	0.155	0.195	0.299	0.522	0.637	0.756	0.762	0.907	0.767	0.61	0.382	0.214	0.155	0.194	0.297
	P5	0.074	0.101	0.156	0.17	0.003	0.338	0.017	0.006	0.04	0.089	0.046	0.076	0.04	0.115	0.16	0.121	0.014	0.024	0.01	0.052	0.079	0.074	0.074	0.08	0.08
	P95	0.639	0.861	1.046	1.105	1.253	1.21	1.179	1.067	0.815	0.457	0.294	0.37	0.653	0.841	1.045	1.101	1.223	1.216	1.176	1.048	0.774	0.49	0.349	0.432	0.642
Greenfield	MEAN	6.358	8.571	7.156	7.004	6.2	5.009	5.073	5.991	6.25	5.009	9.089	9.884	5.073	7.156	7.004	6.2	5.009	5.073	5.991	6.25	5.009	5.073	5.991	6.25	5.009
	P5	4.916	7.01	5.785	5.936	4.799	3.499	3.749	4.638																	

Net Position Report - Economically Optimal Portfolio - ATC (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	4.748	2.755	1.777	0.323	7.481	14.4	9.965	3.969	7.277	12.286	2.773	1.531	0.899	0.986	0.624	0.087	3.456	6.841	2.561	0.342	1.443	3.775	3.811	1.93	1.346	
	P5	0.837	0.238	0.022	0.	0.662	7.369	2.354	0.565	1.913	4.267	0.212	0.056	0.	0.113	0.	0.	0.	1.177	0.011	0.	0.067	0.487	0.38	0.112	0.067	
	P95	8.915	5.964	4.797	1.477	13.074	19.758	19.457	11.524	14.178	21.097	7.988	5.591	3.469	3.464	2.963	0.535	9.666	13.544	10.193	2.273	6.02	10.612	9.	5.316	3.843	
CELP	MEAN	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	
	P5	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	
	P95	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	
Colstrip 3	MEAN	74.964	66.328	18.123	15.058	71.415	76.013	72.623	77.843	74.98	78.601	76.957	69.027	74.807	64.188	59.046	54.955	70.636	75.115	73.424	76.762	74.411	78.845	71.43	63.398	64.823	
	P5	58.189	52.306	11.898	8.611	55.454	65.35	56.196	64.008	62.141	66.639	64.294	55.617	62.871	43.617	42.485	39.33	57.883	60.296	58.715	57.679	58.888	66.929	56.522	47.691	49.324	
	P95	80.807	75.134	21.474	18.849	80.477	80.324	78.721	82.155	79.409	82.161	82.373	74.237	81.091	75.817	71.018	67.53	80.609	80.618	78.661	81.951	79.334	82.259	80.91	73.31	77.87	
Colstrip 4	MEAN	74.914	66.746	59.69	56.503	72.928	76.523	74.034	75.828	74.393	77.817	77.501	68.834	73.183	65.152	58.274	55.543	71.17	75.068	74.018	76.282	75.079	77.317	71.085	63.688	64.322	
	P5	58.239	52.607	45.032	41.045	58.612	64.29	60.32	60.033	58.585	63.107	62.302	53.333	57.853	51.745	44.391	44.004	53.333	62.423	63.372	64.72	58.99	62.423	63.372	64.72	58.99	
	P95	80.966	74.973	70.121	68.916	80.477	80.617	79.001	82.108	79.377	82.145	82.391	74.26	80.795	74.309	70.522	67.133	80.527	80.758	78.634	81.826	79.409	82.346	80.545	72.919	78.303	
CX CCCT1	MEAN																										
	P5																										
	P95																										
CX FrameCT1	MEAN																										
	P5																										
	P95																										
CX Recip1	MEAN	2.183	1.174	0.758	0.137	3.086	4.759	3.356	1.613	3.319	4.836	4.727	3.032	2.189	1.335	0.818	0.212	3.196	4.807	3.527	1.746	3.509	5.023	5.776	4.026	3.112	
	P5	0.451	0.111	0.017	0.	0.434	2.576	0.833	0.315	1.335	1.981	2.448	1.199	0.646	0.238	0.	0.	0.434	1.981	2.601	0.901	1.877	1.522	2.329	3.035	1.802	1.411
	P95	3.783	2.304	1.887	0.587	5.619	6.511	6.494	4.437	5.763	7.752	6.826	5.525	4.233	2.941	2.006	0.901	5.993	6.758	6.435	4.667	6.078	7.667	7.939	6.103	4.845	
CX Recip10	MEAN																										
	P5																										
	P95																										
CX Recip2	MEAN	2.186	1.169	0.757	0.137	3.099	4.768	3.369	1.607	3.299	4.815	4.71	3.037	2.195	1.337	0.819	0.211	3.206	4.83	3.536	1.74	3.506	5.024	5.758	3.996	3.083	
	P5	0.451	0.102	0.017	0.	0.434	2.576	0.825	0.315	1.234	1.964	2.448	1.224	0.655	0.238	0.	0.	0.425	1.981	2.618	0.952	1.877	1.522	2.333	3.035	1.785	1.411
	P95	3.749	2.38	1.887	0.587	5.619	6.469	6.273	4.267	5.763	7.744	6.809	5.525	4.233	2.941	2.006	0.901	5.993	6.69	6.548	4.667	6.095	7.633	7.871	6.061	4.845	
CX Recip3	MEAN	2.192	1.181	0.752	0.138	3.079	4.765	3.384	1.612	3.339	4.806	4.697	3.053	2.194	1.327	0.819	0.212	3.178	4.828	3.544	1.737	3.498	5.049	5.763	4.022	3.103	
	P5	0.451	0.094	0.009	0.	0.434	2.576	0.833	0.315	1.326	1.921	2.414	1.224	0.629	0.238	0.	0.	0.434	1.981	2.627	0.952	1.877	1.581	2.474	3.035	1.802	1.386
	P95	3.638	2.38	1.887	0.587	5.619	6.486	6.358	4.378	5.712	7.752	6.826	5.525	4.233	2.941	2.006	0.901	5.993	6.826	6.435	4.667	6.078	7.667	7.939	6.103	4.845	
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	29.704	25.997	25.135	21.955	35.305	48.086	38.603	27.66	33.171	42.996	39.854	30.158	28.987	28.652	26.493	22.571	38.379	48.519	39.615	28.232	34.021	44.376	40.881	31.043	30.099	
	P5	23.42	21.85	22.32	21.6	22.67	35.783	25.55	22.845	24.775	29.133	29.32	22.71	23.37	22.738	22.32	21.6	23.67	36.183	29.32	25.8	22.633	26.1	31.17	28.583	23.835	24.145
	P95	36.37	31.65	30.17	23.3	45.608	57.72	55.75	40.108	44.875	58.958	50.983	41.26	37.783	37.275	32.995	25.825	54.108	59.658	57.663	41.595	47.25	59.445	51.908	40.473	37.895	
YELP	MEAN	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	
	P5	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	
	P95	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165														

Net Position Report - Economically Optimal Portfolio - ATC (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	2.471	5.753	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	
	P5	2.446	5.709	5.895	5.708	5.901	5.895	5.748	1.376	1.405	0.697	0.673	0.973	2.447	5.698	5.9	5.705	5.888	5.893	5.705	1.376	1.406	0.691	0.632	0.971	2.444
	P95	2.499	5.792	5.991	5.788	5.988	5.983	5.798	1.401	1.44	0.705	0.688	0.99	2.5	5.799	5.986	5.801	5.991	5.992	5.797	1.401	1.444	0.704	0.689	0.991	2.492
Thompson Falls	MEAN	39.934	52.931	61.547	58.504	55.874	33.736	27.836	32.802	36.453	41.947	39.328	36.572	39.321	52.932	61.545	58.507	55.876	39.932	38.8	36.456	41.948	39.324	36.572	39.324	
	P5	30.215	42.83	48.42	46.83	45.	26.833	21.551	25.808	28.381	31.522	28.269	30.025	32.305	40.394	48.01	46.677	41.955	25.483	21.792	26.902	28.928	31.592	31.214	27.712	30.292
	P95	51.291	65.263	76.116	74.613	68.643	41.593	36.578	41.541	46.863	51.588	48.555	43.813	51.401	65.086	77.505	69.239	70.704	41.988	34.101	40.318	44.773	52.086	49.014	45.724	51.287
Hydro - Total	MEAN	208.677	234.208	268.245	266.936	245.043	203.864	180.449	182.559	187.181	201.988	198.303	184.396	208.661	234.213	268.228	266.959	245.042	208.566	180.073	182.553	187.177	202.014	198.268	184.4	208.672
	P5	149.571	183.375	203.246	204.064	189.676	157.803	134.361	140.825	146.341	134.995	146.216	160.503	170.676	200.112	205.488	177.024	150.813	144.585	145.519	147.45	148.736	133.568	135.568	152.237	
	P95	294.274	308.435	342.723	369.666	317.729	263.031	252.901	241.075	251.703	263.109	259.573	230.319	285.436	304.956	355.392	332.692	331.915	263.859	232.09	233.566	239.278	261.326	272.867	245.045	293.315
Load	MEAN	-545.249	-499.162	-501.935	-519.092	-608.619	-577.78	-502.561	-525.003	-549.098	-625.832	-620.471	-550.971	-547.18	-500.929	-503.712	-520.93	-610.775	-579.826	-504.34	-526.862	-551.043	-628.048	-628.048	-552.938	-549.133
	P5	-558.974	-510.571	-509.957	-527.094	-632.235	-596.63	-511.466	-536.254	-561.109	-644.711	-651.429	-565.557	-560.532	-512.629	-511.558	-530.143	-633.151	-595.806	-513.058	-540.073	-562.388	-644.951	-649.894	-568.835	-566.785
	P95	-532.197	-489.516	-493.661	-510.731	-587.993	-559.239	-494.603	-514.228	-537.416	-608.889	-589.197	-536.317	-534.512	-490.6	-494.345	-513.449	-587.746	-562.754	-496.967	-517.013	-540.947	-610.762	-589.844	-539.651	-535.468
Morgan S 09 RFP (HL)	MEAN																									
P5																										
P95																										
PPL 09 RFP (HL)	MEAN																									
P5																										
P95																										
Small QF1	MEAN	1.6	1.476	1.415	2.888	9.278	2.189	3.812	2.169	1.631	1.358	1.065	0.634	1.487	1.363	1.302	2.775	9.165	2.076	3.699	2.056	1.518	1.358	1.065	0.634	1.487
	P5	1.6	1.476	1.415	2.888	9.278	2.189	3.812	2.169	1.631	1.358	1.065	0.634	1.487	1.363	1.302	2.775	9.165	2.076	3.699	2.056	1.518	1.358	1.065	0.634	1.487
	P95	1.6	1.476	1.415	2.888	9.278	2.189	3.812	2.169	1.631	1.358	1.065	0.634	1.487	1.363	1.302	2.775	9.165	2.076	3.699	2.056	1.518	1.358	1.065	0.634	1.487
Small Tier II	MEAN	5.115	5.539	4.933	6.758	6.682	5.52	6.046	6.876	5.591	4.649	3.998	3.115	5.115	5.539	4.933	6.757	6.036	4.874	5.4	6.229	4.946	4.003	3.351	2.469	4.469
	P5	5.115	5.539	4.933	6.758	6.682	5.52	6.046	6.876	5.591	4.649	3.998	3.115	5.115	5.539	4.933	6.757	6.036	4.874	5.4	6.229	4.946	4.003	3.351	2.469	4.469
	P95	5.115	5.539	4.933	6.758	6.682	5.52	6.046	6.876	5.591	4.649	3.998	3.115	5.115	5.539	4.933	6.757	6.036	4.874	5.4	6.229	4.946	4.003	3.351	2.469	4.469
Tiber	MEAN	4.161	4.121						0.005	3.714	3.821	4.053	3.677	4.161	4.121				0.005	3.714	3.821	4.053	3.677	4.161		
	P5	4.161	4.121						0.005	3.714	3.821	4.053	3.677	4.161	4.121				0.005	3.714	3.821	4.053	3.677	4.161		
	P95	4.161	4.121						0.005	3.714	3.821	4.053	3.677	4.161	4.121				0.005	3.714	3.821	4.053	3.677	4.161		
TransAlta 10 RFP (HL)	MEAN																									
P5																										
P95																										
Turnbull	MEAN	0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							
	P5	0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							
	P95	0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							
Physical Instrument - Total	MEAN	10.876	11.141	10.011	17.699	25.505	14.836	12.35	9.081	10.936	9.828	9.116	7.426	10.763	11.028	8.998	17.585	24.746	14.077	11.591	8.322	10.177	9.182	8.469	6.781	10.117
	P5	10.876	11.141	10.011	17.699	25.505	14.836	12.35	9.081	10.936	9.828	9.116	7.426	10.763	11.028	8.998	17.585	24.746	14.077	11.591	8.322	10.177	9.182	8.469	6.781	10.117
	P95	10.876	11.141	10.011	17.699	25.505	14.836	12.35	9.081	10.936	9.828	9.116	7.426	10.763	11.028	8.998	17.585	24.746	14.077	11.591	8.322	10.177	9.182	8.469	6.781	10.117
Deer Creek Solar	MEAN	0.496	0.689	0.744	0.826	0.96	0.876	0.644	0.459	0.216	0.167	0.187	0.326	0.493	0.685	0.74	0.822	0.955	0.871	0.641	0.457	0.215	0.166	0.186	0.325	0.491
	P5	0.073	0.173	0.176	0.159	0.569	0.385	0.4	0.062	0.042	0.062	0.038	0.09	0.2	0.157	0.061	0.052	0.037	0.055	0.037	0.057	0.057	0.009	0.04	0.091	0.091
	P95	0.909	1.048	1.15	1.262	1.203	1.149	1.075	0.909	0.635	0.408	0.573	0.82	0.903	1.061	1.15	1.261	1.205	1.159	1.073	0.915	0.61	0.371	0.546	0.816	0.912
Distributed Generation	MEAN	1.305	1.503	1.705	1.802	1.957	1.761	1.742	1.086	0.676	0.741	0.623	1.461	1.762	1.638	1.844	1.946	2.113	1.502	1.173	0.791	0.655	0.8	1.051	1.523	
	P5	0.784	0.716	0.712	0.246	0.041	0.09	0.22	0.472	0.507	0.404	0.538	0.419	0.869	0.79	0.748	0.268	0.054	0.063	0.341	0.533	0.567	0.467	0.592	0.503	0.967
	P95	1.785	2.627	3.163	3.499	3.456	3.117	2.764	1.915	1.077	0.817	1.004	1.084	2.004	2.933	3.455	3.764	3.844	2.893	1.522	1.094	0.812	1.052	1.592	2.074	
Fairfield	MEAN	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.291	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.868	4.305	2.72	3.45
	P5	2.896	3.073	0.918	1.71	1.303	1.528	3.088	3.08	3.7	3.561	3.927	1.963	2.86	3.132	3.561	1.963	1.765	1.579	3.068	2.999	3.031	3.876	4.172	2.982	
	P95	4.046	3.853	2.477	2.629	2.185	2.02	2.67	4.099	4.449	4.717	5.114	3.356	4.115	3.865	1.921	2.6	2.152	1.937	2.547	4.281	4.503	4.676	4.95	3.407	4.038
Gordon Butte	MEAN	4.147	3.504	2.417	2.779	1.816	1.698	2.393	3.662	4.167	4.908	5.562	3.293	3.862	4.147	2.779	1.816	1.698	2.393	3.662	4.167	4.907	5.578	3.862	4.147	
	P5	3.469	2.95	1.674	2.078	1.192	1.167	1.604	2.984	3.865	4.141	4.833	2.712	3.334	2.632	1.803	2.215	1.236	1.219	1.624	2.918	3.75	4.099	6.846	2.989	3.437
	P95	4.926	4.152	3.649	2.494	2.385	3.304	5.344	5.831	6.28	4.73	4.951	4.179	3.319	3.474	2.407	3.168	4.455	5.348	5.761	4.477	4.657	4.85			
Green Meadow Solar	MEAN	0.52	0.634	0.752	0.759	0.903	0.764	0.607	0.38	0.213	0.154	0.193	0.296	0.517	0.631	0.748	0.755	0.898	0.76	0.604	0.378	0.212	0.153	0.193	0.294	0.515
	P5	0.105	0.118	0.13	0.007	0.36	0.038	0.002	0.4	0.086	0.07	0.046	0.076	0.104	0.113	0.149	0									

Net Position Report - Economically Optimal Portfolio - ATC (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	1.29	0.755	0.121	3.716	7.879	3.384	0.64	2.027	4.81	3.749	1.962	1.242	1.277	0.748	0.085	3.916	3.154	3.403	0.604	2.066	4.831	4.195	2.434	1.247	1.295	
	P5	0.	0.	0.	0.022	2.182	0.022	0.	0.156	0.766	0.641	0.168	0.078	0.011	0.	0.	0.	3.409	0.123	0.	0.112	0.953	0.629	0.026	0.067	0.022	
	P95	4.162	3.769	0.614	9.314	14.296	12.204	2.815	6.317	11.667	9.958	6.373	3.448	3.954	2.494	0.32	8.698	13.448	9.164	2.281	6.283	11.229	9.565	5.891	3.	3.722	
CELP	MEAN	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	
	P5	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	
	P95	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	27.49	20.818	22.829	22.49	25.993	28.671	27.029	28.394	27.917	25.866	21.615	26.154	
Colstrip 3	MEAN	52.592	46.106	44.896	50.006	67.613	65.933	68.728	67.918	73.367	72.475	63.871	66.107	53.927	4.655	10.579	59.513	68.759	66.467	70.045	68.228	72.977	71.98	65.579	66.478	54.601	
	P5	36.684	28.739	23.318	41.562	51.237	49.766	47.132	52.254	59.581	59.762	50.382	49.187	34.327	2.108	5.237	45.392	53.127	49.978	45.073	55.25	58.779	56.053	48.753	46.786	35.12	
	P95	68.261	66.452	62.798	77.352	78.158	76.771	80.434	78.079	81.443	81.444	72.673	78.448	70.047	6.852	13.436	78.822	78.044	77.432	81.173	78.161	81.304	81.026	75.456	78.058	71.468	
Colstrip 4	MEAN	53.883	9.268	6.627	59.78	67.467	66.068	67.736	67.931	72.788	70.872	63.746	65.341	54.626	48.039	46.527	60.785	68.699	67.311	69.005	68.908	73.56	71.405	66.232	65.914	55.388	
	P5	35.957	5.675	2.96	39.802	52.106	51.066	44.991	52.112	58.658	56.079	49.482	47.73	39.311	30.774	24.468	43.888	53.753	51.308	50.978	53.513	61.165	54.646	49.097	44.386	34.669	
	P95	67.592	13.099	8.66	78.757	77.99	77.255	79.586	77.964	81.176	81.548	73.057	78.014	69.33	64.953	61.136	79.043	78.718	77.446	81.138	78.553	81.422	80.836	75.605	78.258	70.172	
CX CCCT1	MEAN																										
	P5																										
	P95																										
CX FrameCT1	MEAN																										
	P5																										
	P95																										
CX Recip1	MEAN	1.847	1.187	0.393	3.811	5.812	4.742	2.928	4.699	6.219	5.932	4.157	3.192	1.84	1.27	0.344	4.021	5.935	4.998	3.161	4.826	6.375	6.154	4.467	3.258	1.938	
	P5	0.247	0.111	0.017	1.556	3.757	1.496	0.425	2.406	3.63	3.825	2.338	1.598	0.434	0.196	0.	2.474	4.565	2.355	0.85	2.414	4.208	3.451	2.168	1.488	0.638	
	P95	3.451	2.593	1.352	5.653	7.463	7.616	6.435	7.149	8.509	8.169	6.146	4.888	3.332	2.584	0.969	6.12	7.361	7.251	6.409	7.336	8.526	8.636	6.562	5.313	3.562	
CX Recip10	MEAN																										
	P5																										
	P95																										
CX Recip2	MEAN	1.85	1.197	0.395	3.813	5.781	4.737	2.958	4.692	6.177	5.934	4.158	3.185	1.849	1.276	0.344	4.028	5.954	4.979	3.144	4.811	6.364	6.136	4.46	3.249	1.929	
	P5	0.238	0.111	0.017	1.556	3.859	1.496	0.434	2.406	3.545	3.825	2.363	1.598	0.434	0.213	0.	2.278	4.488	2.38	0.842	2.38	4.208	3.596	2.168	1.403	0.638	
	P95	3.4	2.593	1.488	5.84	7.421	7.693	6.46	7.429	8.594	8.05	6.146	4.837	3.341	2.584	0.961	6.12	7.438	7.259	6.256	7.336	8.602	8.577	6.562	5.304	3.545	
CX Recip3	MEAN	1.856	1.182	0.389	3.783	5.812	4.746	2.947	4.71	6.204	5.935	4.166	3.204	1.831	1.286	0.342	4.001	5.941	4.959	3.176	4.834	6.36	6.148	4.467	3.272	1.93	
	P5	0.247	0.111	0.017	1.556	3.868	1.547	0.451	2.406	3.63	3.706	2.363	1.598	0.434	0.213	0.	2.474	4.548	2.38	0.842	2.363	4.055	3.451	2.168	1.496	0.638	
	P95	3.536	2.593	1.411	5.84	7.268	7.693	6.46	7.438	8.594	8.169	6.095	4.888	3.324	2.584	0.961	6.052	7.438	7.259	6.29	7.327	8.534	8.619	6.571	5.245	3.562	
CX Recip4	MEAN	1.861	1.19	0.391	3.809	5.794	4.738	2.936	4.696	6.24	5.966	4.154	3.189	1.851	1.277	0.342	4.007	5.95	4.969	3.149	4.817	6.367	6.155	4.479	3.253	1.933	
	P5	0.247	0.111	0.009	1.556	3.851	1.556	0.451	2.38	3.63	3.8	2.363	1.598	0.434	0.213	0.	2.465	4.624	2.38	0.774	2.406	4.208	3.434	2.168	1.488	0.638	
	P95	3.46	2.593	1.437	5.797	7.302	7.54	6.46	7.276	8.466	8.05	6.146	4.888	3.341	2.584	0.969	6.12	7.438	7.166	6.214	7.302	8.509	8.636	6.562	5.313	3.528	
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	28.892	26.773	22.658	37.832	49.996	40.731	28.65	34.755	45.198	42.088	31.612	30.339	29.002	27.126	22.498	39.15	50.865	42.006	35.667	45.583	43.268	34.325	30.399	29.271		
	P5	22.163	22.62	21.6	24.945	37.783	25.863	22.67	25.788	31.845	30.62	23.1	24.145	22.525	22.77	21.6	26.008	41.82	27.7	23.02	25.588	34.233	31.183	25.43	24.533	22.925	
	P95	36.838	34.02	25.875	50.183	60.158	60.5	42.87	48.15	60.345	53.27	41.323	37.955	37.675	32.358	24.713	50.883	58.733	56.2	41.733	47.888	58.483	54.533	44.405	38.208	37.463	
YELP	MEAN	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168	40.595	40.799	
	P5	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168	40.595	40.799	
	P95	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.165	40.595	40.799	39.468	22.35	33.869	35.002	38.892	36.351	40.402	42.62	36.36	36.168	40.595	40.799	
Black Eagle	MEAN	13.436	14.403	13.802	12.099	11.681	9.977	10.114	11.099	10.097	9.711	9.699	12.461	13.437	14.402	13.803	12.099	11.681	9.976	10.114	11.1	10.096	9.812	9.701	12.46	13.435	
	P5	11.084	11.267	11.18	8.923	9.287	8.043	7.781	8.273	7.638	7.81	7.566	9.491	9.777	10.808	10.523	8.427	9.598	7.488	7.885	8.638	7.895	7.588	9.697	10.294		
	P95	16.159	17.098	16.61	14.646	14.061	12.28	12.53	13.887	12.708	12.211	11.681	14.891	16.501	17.46	16.892	15.475	13.579	11.931	12.238	13.651	13.036	11.712	12.209	14.803	15.836	
Cochrane	MEAN	25.89	31.084	32.07	25.276	21.452	18.665	15.571	17.187	21.0																	

Net Position Report - Economically Optimal Portfolio - ATC (GWh)

Table with columns for Net Position (GWh), Year (2022-04 to 2024-04), and various asset categories (Sleeping Giant, Thompson Falls, Hydro - Total, Load, Morgan S 09 RFP (HL), PPL 09 RFP (HL), Small QF1, Small Tier II, Tiber, TransAlta 10 RFP (HL), Turnbull, Physical Instrument - Total, Deer Creek Solar, Distributed Generation, Fairfield, Gordon Butte, Green Meadow Solar, Greenfield, Judith Gap, Musselshell 1, Musselshell 2, Ragen Ranch Solar, River Bend Solar, South Mills Solar, Spion Kop, Two Dot Wind, Wind/Solar Asset - Total, Total). Each cell contains numerical values representing GWh.

Net Position Report - Economically Optimal Portfolio - ATC (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	0.877	0.123	4.355	8.383	3.374	0.682	2.089	4.849	4.145	2.022	1.214	1.336	0.936	0.121	4.241	8.335	3.77	0.726	2.188	5.348	4.166	2.256	1.648	1.448	0.9
	P5	0.	0.	0.311	0.	0.112	0.	0.112	0.842	0.585	0.257	0.034	0.	0.	0.	0.	2.911	0.112	0.	0.99	0.48	0.078	0.058	0.	0.	0.
	P95	2.811	0.443	10.096	14.712	9.728	3.287	5.855	11.392	10.197	5.268	3.073	4.408	3.196	0.584	9.581	14.118	10.674	4.048	6.405	11.222	11.055	7.022	4.464	4.649	3.165
CELP	MEAN	27.49	20.818																							
	P5	27.49	20.818																							
	P95	27.49	20.818																							
Colstrip 3	MEAN	48.508	44.741	60.605	68.598	66.847	69.881	69.332	73.725	72.64	65.11	67.195	54.733	49.437	45.562	61.836	68.424	67.302	70.263	68.406	73.709	74.054	64.7	67.447	56.373	14.755
	P5	30.439	22.067	44.915	50.961	49.843	47.818	54.47	61.379	58.734	50.848	46.326	32.77	28.093	22.435	47.362	52.662	48.339	50.39	45.805	59.337	63.494	46.77	52.178	46.77	8.214
	P95	65.228	61.826	79.14	79.04	76.504	80.766	78.4	81.608	81.506	73.561	79.256	70.611	66.223	61.052	78.255	78.249	77.348	80.795	78.391	81.499	81.648	78.306	77.801	72.105	21.016
Colstrip 4	MEAN	48.141	45.62	60.636	68.642	66.69	68.998	68.748	73.517	71.67	64.214	66.661	55.634	14.769	12.519	62.55	69.028	68.216	68.993	69.432	73.652	73.078	65.087	66.898	56.288	48.955
	P5	30.106	22.067	45.628	53.96	52.662	49.922	55.933	58.029	56.43	48.283	46.912	32.501	9.143	4.749	46.962	53.98	51.926	50.195	56.913	57.637	59.775	50.557	47.83	37.186	31.074
	P95	65.228	61.826	79.185	78.978	76.247	80.726	77.944	81.695	81.302	73.652	79.256	70.799	19.499	17.405	78.386	78.629	77.709	80.683	78.666	81.545	81.914	73.736	78.302	72.276	66.217
CX CCCT1	MEAN									150.857	134.119	145.065	134.105	110.675	111.976	147.936	152.11	144.964	144.595	143.352	150.86	150.628	133.818	145.274	135.24	114.578
	P5									147.046	131.22	142.946	113.646	65.908	2.585	143.226	148.726	140.531	142.626	139.491	146.866	146.186	131.16	142.826	104.453	63.813
	P95									154.686	136.82	148.146	141.671	143.806	138.011	151.826	155.186	149.931	148.566	146.951	154.966	155.626	137.68	149.186	141.931	143.966
CX FrameCT1	MEAN																									
	P5																									
	P95																									
CX Recip1	MEAN	1.371	0.409	4.182	6.031	5.019	3.406	4.985	6.575	6.232	4.457	3.33	2.001	1.466	0.457	4.486	6.047	5.407	3.426	5.033	6.748	6.367	4.486	3.438	2.132	1.409
	P5	0.187	0.	1.785	4.199	2.618	0.859	0.712	3.893	4.038	2.533	0.859	0.	0.357	0.306	0.	2.151	4.378	2.78	0.85	4.055	3.944	2.499	1.309	0.51	0.468
	P95	2.882	1.275	5.916	7.701	7.293	7.174	7.327	8.815	8.517	6.401	5.415	3.443	2.686	1.709	6.902	7.582	8.135	7.472	7.293	8.951	8.772	6.868	5.738	3.825	2.831
CX Recip10	MEAN																									
	P5																									
	P95																									
CX Recip2	MEAN	1.386	0.408	4.191	6.032	5.017	3.385	4.976	6.589	6.218	4.458	3.304	1.984	1.471	0.453	4.496	6.067	5.428	3.441	5.038	6.763	6.341	4.477	3.43	2.151	1.411
	P5	0.187	0.	1.785	4.267	2.559	0.893	0.729	3.893	4.131	2.508	1.233	0.357	0.323	0.	2.253	4.318	2.737	0.855	2.491	3.927	3.885	2.567	1.309	0.51	0.442
	P95	2.882	1.275	5.925	7.752	7.293	7.004	7.268	8.653	8.611	6.46	5.406	3.409	2.788	1.743	6.868	7.523	8.135	7.268	7.54	9.002	8.772	6.732	5.746	3.978	2.865
CX Recip3	MEAN	1.369	0.406	4.168	6.037	5.023	3.386	4.966	6.602	6.256	4.463	3.315	2.019	1.471	0.453	4.461	6.067	5.407	3.434	5.06	6.753	6.339	4.498	3.442	2.139	1.411
	P5	0.145	0.	1.785	4.25	2.618	0.893	0.754	3.842	3.893	2.525	1.216	0.357	0.323	0.	2.21	4.327	2.78	0.85	2.482	3.936	3.893	2.525	1.309	0.51	0.468
	P95	2.814	1.216	5.925	7.769	7.115	7.208	7.344	8.968	8.611	6.46	5.415	3.536	2.788	1.743	6.817	7.472	7.999	7.412	7.633	8.9	8.772	6.868	5.746	3.944	2.865
CX Recip4	MEAN	1.385	0.406	4.185	6.044	5.014	3.387	4.962	6.598	6.248	4.45	3.302	2.005	1.464	0.456	4.486	6.066	5.419	3.431	5.053	6.792	6.367	4.48	3.442	2.149	1.408
	P5	0.187	0.	1.683	4.097	2.542	0.893	0.754	3.893	4.208	2.482	1.258	0.357	0.323	0.	2.253	4.365	2.718	0.825	2.491	4.131	3.842	2.465	1.309	0.51	0.425
	P95	2.882	1.275	5.857	7.727	7.293	7.208	7.234	8.67	8.611	6.46	5.415	3.536	2.763	1.743	6.868	7.582	8.135	7.157	7.633	9.002	8.747	6.868	5.687	3.995	2.865
CX Recip5	MEAN	1.484	0.438	4.524	6.533	5.448	3.652	5.386	7.163	6.787	4.809	3.581	2.194	1.585	0.49	4.845	6.526	5.881	3.722	5.449	7.314	6.876	4.483	3.728	2.339	1.529
	P5	0.202	0.	1.858	4.618	2.834	0.938	2.935	4.158	4.48	2.742	1.325	0.386	0.35	0.	2.438	4.756	2.99	0.92	2.677	4.379	4.25	2.622	1.417	0.552	0.506
	P95	3.054	1.316	6.412	8.308	7.894	7.654	7.866	9.678	9.218	6.955	5.86	3.827	2.898	1.849	7.424	8.059	8.804	8.059	8.151	9.743	9.485	7.185	6.219	4.379	3.1
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	27.808	22.701	39.986	51.489	42.468	30.28	35.938	46.681	43.381	32.379	30.377	29.708	28.058	22.843	41.247	51.599	44.578	30.522	36.442	48.347	43.595	32.899	31.14	30.441	28.01
	P5	22.67	21.6	23.333	41.97	29.	23.42	25.988	33.383	30.595	24.998	23.895	22.35	23.12	21.6	27.833	39.858	29.263	23.32	25.688	34.57	31.258	23.81	23.82	22.8	22.63
	P95	34.683	25.225	50.358	61.358	56.95	45.608	49.263	60.308	54.095	40.773	39.195	37.313	34.283	26.2	52.108	60.845	61.188	48.633	47.688	62.32	57.758	45.798	42.158	40.388	34.983
YELP	MEAN	39.468	22.35	33.869	35.00																					

Net Position Report - Economically Optimal Portfolio - ATC (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	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944
	P5	5.893	5.707	5.902	5.897	5.688	1.373	1.408	0.692	0.633	0.971	2.442	5.709	5.895	5.71	5.904	5.898	5.662	1.375	1.404	0.691	0.631	0.972	2.445	5.703	5.895
	P95	5.978	5.796	5.988	5.985	5.795	1.403	1.444	0.705	0.688	0.991	2.496	5.791	5.98	5.79	5.987	5.991	5.805	1.402	1.44	0.705	0.691	0.99	2.496	5.803	5.989
Thompson Falls	MEAN	61.546	58.508	55.872	33.734	27.834	32.806	36.452	41.949	39.331	36.568	39.931	52.926	61.555	58.502	55.877	33.733	27.831	32.806	36.455	41.951	39.324	36.557	39.93	52.93	61.547
	P5	46.817	46.044	43.77	24.378	21.983	25.644	29.449	32.565	30.425	28.558	30.819	43.509	45.204	47.242	41.06	26.174	20.452	25.712	29.377	30.749	30.221	28.447	32.074	40.814	46.452
	P95	74.903	72.176	71.13	42.367	34.405	42.11	44.182	52.32	49.213	45.506	49.067	62.56	78.561	69.418	67.639	42.796	34.156	41.139	44.246	52.906	48.217	45.19	47.777	64.752	77.767
Hydro - Total	MEAN	268.237	266.974	245.021	203.86	180.04	180.276	187.178	201.996	198.315	184.377	208.667	234.174	268.279	266.942	245.045	203.855	180.015	182.585	187.193	202.003	198.283	184.411	208.651	234.197	268.242
	P5	196.422	203.388	184.702	145.016	140.021	140.549	149.339	148.705	146.11	138.613	152.13	186.336	190.554	207.441	173.669	153.558	132.018	138.888	146.128	141.7	144.501	138.025	160.957	171.556	193.887
	P95	347.13	347.876	328.126	265.242	228.813	249.555	235.944	267.23	269.25	243.611	273.337	291.061	364.826	335.267	308.562	276.777	229.608	239.378	237.955	272.318	258.217	239.986	258.666	306.641	354.562
Load	MEAN	-509.163	-526.567	-617.384	-586.1	-509.798	-532.565	-557.005	-634.844	-634.093	-563.067	-559.193	-511.927	-514.771	-532.367	-604.184	-592.556	-515.413	-538.429	-563.14	-641.836	-641.727	-569.846	-565.925	-518.09	-520.968
	P5	-518.709	-534.708	-644.256	-603.853	-520.353	-545.329	-569.032	-659.973	-674.515	-579.027	-573.834	-524.483	-523.639	-541.106	-661.633	-614.157	-524.942	-549.462	-577.291	-661.959	-672.541	-585.764	-579.81	-531.365	-528.055
	P95	-500.536	-517.546	-591.188	-568.603	-500.358	-522.373	-544.921	-611.341	-589.085	-547.862	-542.114	-500.589	-506.513	-524.316	-598.863	-572.909	-506.285	-528.491	-548.696	-617.462	-606.318	-554.623	-551.204	-506.395	-512.985
Morgan 5 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162
	P5	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162
	P95	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162	2.634	9.025	1.936	3.559	1.916	1.378	1.217	0.925	0.494	1.346	1.222	1.162
Small Tier II	MEAN	4.16	5.977	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15
	P5	4.16	5.977	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15
	P95	4.16	5.977	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15
Tiber	MEAN																									
	P5																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							0.005	3.663
	P5	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							0.005	3.663
	P95	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031							0.005	3.663
Physical Instrument - Total	MEAN	8.985	16.664	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975	10.91	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975
	P5	8.985	16.664	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975	10.91	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975
	P95	8.985	16.664	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975	10.91	18.774	9.289	6.258	2.097	1.485	1.242	0.952	0.519	1.391	1.348	4.975
Deer Creek Solar	MEAN	0.729	0.809	0.941	0.858	0.631	0.45	0.212	0.163	0.183	0.32	0.484	0.672	0.726	0.805	0.936	0.854	0.628	0.448	0.211	0.162	0.182	0.318	0.481	0.668	0.722
	P5	0.162	0.147	0.498	0.344	0.017	0.056	0.042	0.059	0.011	0.036	0.068	0.112	0.14	0.215	0.068	0.112	0.102	0.057	0.038	0.002	0.05	0.068	0.107	0.195	0.108
	P95	1.153	1.266	1.208	1.143	1.071	0.914	0.626	0.388	0.5	0.808	0.9	1.045	1.16	1.245	1.232	1.146	1.086	0.933	0.636	0.367	0.594	0.807	0.892	1.043	1.154
Distributed Generation	MEAN	2.319	2.451	2.662	2.133	1.956	1.477	0.996	0.825	1.008	1.572	1.209	2.647	2.505	1.918	1.076	2.209	2.587	2.113	1.089	2.133	2.083	1.807	2.022	2.143	2.705
	P5	0.861	0.268	0.057	0.126	0.369	0.618	0.697	0.547	0.171	0.114	0.634	0.968	0.967	0.312	0.064	0.063	0.452	0.691	0.739	0.64	0.812	0.691	1.28	1.094	1.091
	P95	4.239	4.837	4.687	4.283	3.715	2.65	1.376	1.171	1.1	2.412	2.762	3.839	4.51	5.137	4.789	3.934	2.731	1.493	1.672	1.446	2.471	2.83	4.266	5.048	
Fairfield	MEAN	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.303	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.867	4.298	2.72	3.45	3.442	1.346
	P5	0.869	1.67	1.357	1.27	1.602	3.036	3.014	3.112	2.913	2.106	3.81	2.913	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.867	4.298	2.72	3.45	3.442	1.346
	P95	1.84	2.643	2.262	2.009	2.486	4.32	4.499	4.555	5.194	3.47	4.162	4.015	1.721	2.558	2.308	2.036	2.529	4.242	4.485	4.743	4.946	3.453	4.095	3.89	1.791
Gordon Butte	MEAN	2.417	2.779	1.816	1.698	2.393	3.662	4.617	4.905	5.572	3.862	4.147	3.504	2.417	2.779	1.816	1.698	2.393	3.662	4.617	4.906	5.566	3.662	4.617	4.906	5.566
	P5	1.647	2.021	1.184	1.067	1.66	2.949	3.795	4.076	4.843	2.982	3.301	2.654	1.821	2.128	1.178	1.116	1.674	2.992	3.907	3.968	4.801	2.945	3.395	2.803	1.709
	P95	3.177	3.608	2.577	2.244	3.098	4.571	5.327	5.616	6.474	4.774	5.085	4.284	2.941	3.427	2.684	2.473	3.161	4.934	5.326	5.673	6.249	4.799	4.934	4.191	3.121
Green Meadow Solar	MEAN	0.737	0.744	0.885	0.748	0.595	0.372	0.209	0.151	0.119	0.29	0.507	0.618	0.733	0.74	0.88	0.745	0.592	0.37	0.208	0.15	0.189	0.288	0.504	0.615	0.73
	P5	0.162	0.004	0.386	0.074	0.01	0.029	0.091	0.069	0.081	0.07	0.12	0.207	0.007	0.027	0.008	0.078	0.024	0.078	0.078	0.078	0.078	0.131	0.136	0.075	
	P95	1.082	1.228	1.152	1.119	1.01	0.771	0.433	0.297	0.359	0.587	0.846	1.009	1.066												

Net Position Report - Economically Optimal Portfolio - ATC (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	4.602	8.503	4.017	0.746	2.322	5.176	4.066	2.288	1.34	1.399	1.04	0.164	4.737	8.908	4.011	0.78	2.301	5.46	4.376	2.588	1.498	1.602	0.998	0.19
	P5	0.	0.123	2.293	0.101	0.	0.112	0.61	0.559	0.145	0.	0.023	0.056	0.	0.201	3.856	0.19	0.	0.124	0.916	4.402	0.219	0.856	0.506	0.	0.
	P95	0.74	11.242	14.623	11.993	3.467	6.779	11.493	9.367	6.569	4.529	4.506	3.821	0.752	10.12	13.925	11.026	4.457	6.531	12.728	11.215	6.825	4.384	4.981	4.245	1.067
CELP	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	12.638	62.995	69.719	66.479	70.407	69.376	73.614	72.945	65.54	67.761	57.662	49.537	47.523	64.038	70.423	67.649	72.028	70.275	75.734	73.377	67.037	68.926	55.654	51.548	47.912
	P5	6.188	44.718	54.557	47.96	51.372	51.668	58.265	55.892	49.73	44.712	38.915	34.256	22.324	47.874	53.601	50.533	51.024	55.312	65.789	57.457	47.576	51.509	32.412	31.408	22.928
	P95	17.023	78.935	78.821	77.227	80.744	78.757	81.963	81.869	73.277	78.89	71.873	65.747	63.326	79.254	79.12	77.615	80.854	78.567	81.673	81.653	76.148	80.173	73.147	68.294	67.1
Colstrip 4	MEAN	47.512	63.229	69.501	68.361	68.99	69.281	73.996	73.576	66.019	66.799	58.078	49.31	47.939	64.567	70.141	69.092	70.552	70.169	74.052	73.792	67.52	67.185	57.555	10.28	6.867
	P5	22.36	46.706	53.73	53.204	50.605	53.768	61.208	60.273	50.942	49.922	37.324	33.951	24.605	46.039	55.008	54.504	49.307	53.561	61.671	58.452	51.245	47.687	37.565	5.695	2.91
	P95	66.904	79.164	79.076	77.306	80.752	78.459	81.375	81.424	73.129	78.333	71.873	66.747	63.326	79.371	79.12	77.793	80.492	78.329	81.397	81.815	76.243	80.173	73.664	14.154	9.611
CX CCCT1	MEAN	117.406	148.515	152.127	144.728	144.492	143.471	150.736	150.528	134.252	144.405	136.3	112.487	116.322	148.507	152.359	144.951	144.59	143.379	150.858	150.605	138.814	145.181	136.741	117.841	120.966
	P5	14.59	144.226	148.346	139.931	142.306	139.431	146.266	147.006	130.86	132.775	109.887	68.317	0.	143.466	149.206	141.031	142.366	139.971	146.946	146.166	135.496	143.106	113.409	63.266	17.243
	P95	138.231	152.466	155.226	149.471	147.946	148.111	154.586	154.726	137.68	148.426	142.071	143.886	138.451	154.106	155.246	149.871	149.686	147.871	155.466	142.836	148.606	142.651	143.966	138.331	
CX FrameCT1	MEAN																				7.646	3.124	0.877	0.386	0.35	
	P5																				0.	0.	0.	0.	0.	
	P95																				21.6	11.275	4.114	2.604	2.465	
CX Recip1	MEAN	0.48	4.619	6.158	5.434	3.622	5.279	7.011	6.564	4.693	3.614	2.169	1.549	0.567	4.757	6.289	5.718	3.821	5.473	7.143	6.719	5.042	3.659	2.276	1.514	0.581
	P5	0.	2.703	4.463	2.448	1.054	2.848	4.267	4.114	2.134	1.318	0.748	0.502	0.	2.567	4.522	2.856	0.774	2.78	4.692	3.987	2.678	1.811	0.935	0.145	0.
	P95	1.751	7.183	7.582	7.897	7.497	7.786	9.197	8.917	7.055	5.636	3.817	2.661	1.998	7.089	7.812	7.871	7.65	7.922	9.41	9.027	7.259	5.695	3.859	2.882	2.108
CX Recip10	MEAN																				6.994	5.247	3.827	2.363	1.585	0.604
	P5																				4.257	2.873	1.871	0.952	0.148	0.
	P95																				9.267	7.53	5.965	4.024	3.109	2.165
CX Recip2	MEAN	0.479	4.644	6.18	5.41	3.63	5.271	7.005	6.525	4.694	3.589	2.167	1.572	0.574	4.776	6.317	5.745	3.827	5.456	7.148	6.71	5.028	3.647	2.265	1.528	0.585
	P5	0.	2.754	4.463	2.448	1.054	2.703	4.208	4.046	2.066	1.326	0.748	0.536	0.	2.567	4.582	2.754	0.748	2.78	4.862	4.055	2.814	1.811	0.935	0.145	0.
	P95	1.751	7.166	7.54	7.897	7.497	7.701	9.095	8.743	7.055	5.721	3.766	2.661	1.998	7.149	7.871	7.846	7.506	7.956	9.401	9.027	7.149	5.729	3.868	2.967	2.083
CX Recip3	MEAN	0.479	4.61	6.134	5.403	3.641	5.273	7.026	6.545	4.686	3.627	2.18	1.569	0.568	4.759	6.303	5.711	3.829	5.482	7.112	6.708	5.043	3.656	2.267	1.533	0.585
	P5	0.	2.865	4.412	2.329	1.046	2.975	4.267	4.165	2.185	1.326	0.74	0.536	0.	2.567	4.624	2.856	0.774	2.78	4.82	4.089	2.814	1.811	0.935	0.145	0.
	P95	1.751	7.157	7.531	7.939	7.497	7.778	9.061	8.798	7.055	5.729	3.817	2.661	1.998	7.123	7.769	7.897	7.557	7.956	9.248	8.985	7.166	5.695	3.868	3.001	2.108
CX Recip4	MEAN	0.479	4.637	6.164	5.416	3.625	5.284	7.018	6.562	4.686	3.602	2.185	1.562	0.568	4.759	6.302	5.715	3.803	5.473	7.131	6.721	5.021	3.671	2.277	1.511	0.583
	P5	0.	2.865	4.497	2.329	1.012	2.992	4.267	4.157	2.159	1.326	0.74	0.536	0.	2.474	4.505	2.831	0.774	2.78	4.769	4.089	2.814	1.76	0.935	0.145	0.
	P95	1.751	7.183	7.54	7.863	7.472	7.718	9.095	8.917	7.055	5.721	3.808	2.635	1.998	7.149	7.88	7.659	7.463	7.955	9.401	9.027	7.259	5.729	3.859	2.992	2.108
CX Recip5	MEAN	0.515	5.025	6.668	5.876	3.943	5.695	7.619	7.096	5.05	3.891	2.373	1.673	0.614	4.516	6.838	6.205	4.135	5.919	7.754	9.227	5.412	3.965	2.462	1.631	0.629
	P5	0.	3.1	4.83	2.65	1.141	3.054	4.618	4.508	2.355	1.454	0.81	0.58	0.	2.778	5.005	3.091	0.837	2.815	5.152	4.37	2.769	1.923	0.994	0.156	0.
	P95	1.868	7.756	8.124	8.528	7.986	8.344	9.964	9.586	6.366	6.201	4.14	2.87	2.162	7.691	8.455	8.455	8.28	8.593	10.24	9.669	7.673	6.201	4.186	3.119	2.282
CX Recip6	MEAN																				7.253	5.441	3.98	2.466	1.647	0.627
	P5																				4.425	2.999	1.96	1.012	0.156	0.
	P95																				9.669	7.848	6.201	4.177	3.248	2.171
CX Recip7	MEAN																				7.266	5.446	3.966	2.455	1.654	0.625
	P5																				4.425	3.045	1.904	1.012	0.156	0.
	P95																				9.55	7.756	6.201	4.186	3.248	2.282
CX Recip8	MEAN																				6.745	5.043	3.682	2.264	1.519	0.581
	P5																				4.089	2.746	1.811	0.935	0.136	0.
	P95																				9.027	7.259	5.729	3.868	3.001	2.108
CX Recip9	MEAN																				6.714	5.06	3.68	2.266	1.521	0.58
	P5																				4.089	2.703	1.811	0.85	0.145	0.
	P95																				8.823	7.259	5.729	3.868	2.941	2.1
David Gates Generating Station	MEAN	22.982	42.4	52.131	44.768	30.886	37.189	48.708	43.517	33.826	31.44	30.552	28.683	23.213	43.476	53.216	46.404	31.592	50.018	44.988	36.19	32.133	31.16	28.473		

Net Position Report - Economically Optimal Portfolio - ATC (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	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.983	2.471	5.752	5.944	5.752	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	
	PS	5.705	5.889	5.898	5.68	1.376	1.405	0.691	0.635	0.973	2.445	5.706	5.888	5.705	5.892	5.901	1.375	1.405	0.691	0.633	0.971	2.447	5.703	5.899	5.709	
	P95	5.796	5.995	5.985	5.798	1.401	1.44	0.706	0.69	0.991	2.502	5.792	5.995	5.797	5.984	5.995	1.405	1.445	0.705	0.69	0.992	2.497	5.791	5.983	5.794	
Thompson Falls	MEAN	58.513	55.87	33.732	27.833	32.804	36.455	41.952	39.324	36.573	39.931	52.927	61.55	58.513	55.869	33.735	27.832	32.809	36.453	41.947	39.326	36.573	39.935	52.928	61.551	58.504
	PS	44.496	42.92	26.475	20.859	25.671	28.905	32.988	30.932	27.618	30.938	40.92	44.491	46.18	40.057	26.576	21.839	24.819	27.958	32.404	30.78	27.96	30.508	40.632	49.859	45.832
	P95	69.592	69.695	40.212	35.42	40.784	45.779	52.526	50.026	46.694	51.286	66.195	78.896	72.96	70.59	40.535	34.307	41.178	46.396	53	48.484	46.269	50.36	66.835	77.91	74.812
Hydro - Total	MEAN	266.984	245.021	203.843	180.039	182.572	187.191	202.018	198.268	184.408	208.659	234.188	268.25	266.986	245.021	203.845	180.041	182.6	187.166	202.003	198.283	184.389	208.692	234.2	268.242	266.955
	PS	196.188	184.627	155.324	132.371	138.68	146.54	149.503	146.312	132.685	154.191	171.301	185.335	200.306	171.202	156.098	139.05	135.059	139.469	150.389	147.682	132.819	157.136	171.677	210.159	199.995
	P95	340.78	323.631	253.244	233.653	235.667	249.343	268.668	270.52	249.132	288.17	307.891	359.836	349.335	322.609	253.706	236.934	237.2	251.843	277.131	269.129	251.55	283.257	315.693	364.915	365.58
Load	MEAN	-538.776	-631.698	-599.69	-521.618	-544.911	-569.92	-649.564	-649.382	-576.644	-572.676	-524.27	-527.182	-545.203	-639.234	-606.843	-526.974	-551.414	-576.718	-657.312	-657.069	-583.47	-579.455	-530.476	-533.423	-551.657
	PS	-547.581	-662.805	-619.194	-533.289	-555.315	-582.564	-672.695	-674.765	-592.906	-589.591	-535.804	-535.291	-553.07	-666.307	-625.758	-539.022	-562.38	-587.909	-675.631	-688.643	-601.105	-594.386	-542.645	-540.979	-560.113
	P95	-531.494	-607.929	-584.406	-510.767	-532.824	-557.994	-627.457	-611.859	-558.5	-557.308	-515.165	-518.338	-537.097	-609.737	-588.463	-518.316	-541.93	-564.749	-637.164	-623.163	-565.408	-566.325	-520.059	-526.212	-545.059
Morgan 5 09 RFP (HL)	MEAN																									
	PS																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	PS																									
	P95																									
Small QF1	MEAN	2.634	9.025	1.936	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.963	0.903	2.376	8.765	1.676	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.962	0.022	0.022
	PS	2.634	9.025	1.936	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.963	0.903	2.376	8.765	1.676	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.962	0.022	0.022
	P95	2.634	9.025	1.936	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.963	0.903	2.376	8.765	1.676	3.299	1.656	1.119	0.958	0.665	0.235	1.087	0.962	0.022	0.022
Small Tier II	MEAN	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223
	PS	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223
	P95	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223
Tiber	MEAN																									
	PS																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	PS																									
	P95																									
Turnbull	MEAN	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	
	PS	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	
	P95	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031						0.005	3.663	8.053	
Physical Instrument - Total	MEAN	10.91	18.774	9.289	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.089	4.716	10.651	18.514	9.029	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.088	3.835	8.298
	PS	10.91	18.774	9.289	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.089	4.716	10.651	18.514	9.029	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.088	3.835	8.298
	P95	10.91	18.774	9.289	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.089	4.716	10.651	18.514	9.029	5.998	1.837	1.226	0.983	0.692	0.26	1.132	1.088	3.835	8.298
Deer Creek Solar	MEAN	0.801	0.931	0.85	0.625	0.446	0.21	0.162	0.181	0.317	0.479	0.665	0.718	0.797	0.927	0.845	0.622	0.444	0.209	0.161	0.18	0.315	0.476	0.662	0.715	0.793
	PS	0.104	0.484	0.322	0.004	0.072	0.039	0.066	0.008	0.073	0.039	0.046	0.073	0.046	0.008	0.008	0.046	0.034	0.005	0.008	0.035	0.075	0.188	0.107	0.086	
	P95	1.262	1.216	1.145	1.088	0.887	0.57	0.389	0.575	0.805	0.897	1.054	1.143	1.265	1.223	1.138	1.074	0.903	0.592	0.373	0.586	0.825	0.886	1.057	1.152	1.253
Distributed Generation	MEAN	2.859	3.105	2.794	2.282	1.723	1.162	0.962	1.176	2.327	2.576	3.062	3.937	3.017	2.464	1.567	2.099	1.27	1.068	1.677	2.461	2.736	3.151	3.861	3.335	
	PS	0.407	0.086	0.084	0.377	0.812	0.773	0.673	0.861	0.779	0.478	1.191	1.205	0.405	0.77	0.174	0.506	0.799	0.809	0.748	0.89	0.745	1.523	1.301	1.42	0.376
	P95	5.511	5.487	5.176	4.365	2.996	1.614	1.273	1.549	2.737	3.092	4.258	5.384	5.898	5.927	5.498	4.739	3.098	1.829	1.387	2.488	3.021	3.384	4.845	5.745	6.339
Fairfield	MEAN	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.296	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.29	2.72	3.45	3.442	1.346	2.129
	PS	1.683	1.354	1.203	1.558	3.021	3.008	3.483	3.021	2.123	2.864	3.01	1.598	1.476	1.296	1.238	1.667	2.976	3.024	3.058	3.428	1.7	2.03	2.976	1.891	1.745
	P95	2.552	2.178	2.05	2.473	4.142	4.557	4.617	5.089	3.403	4.084	3.97	1.748	2.626	2.311	2.034	2.449	4.208	4.422	4.67	5.128	3.378	4.059	3.867	1.841	2.508
Gordon Butte	MEAN	2.779	1.816	1.698	2.393	3.662	4.147	4.905	5.567	3.862	4.147	3.504	2.417	1.816	1.698	2.393	3.662	4.147	4.905	5.564	3.662	4.147	3.504	2.417	2.779	
	PS	2.123	1.169	1.109	1.574	2.867	3.78	3.959	4.82	3.052	3.4	2.797	1.655	2.19	1.247	1.115	1.775	2.86	3.858	4.107	4.834	3.045	3.424	2.799	1.722	2.185
	P95	3.468	2.491	2.336	3.154	4.347	5.355	5.6	6.36	4.693	4.997	4.263	3.056	3.494	2.524	2.26	3.185	4.471	5.65	6.248	4.895	4.158	3.103	3.84		
Green Meadow Solar	MEAN	0.736	0.876	0.741	0.589	0.368	0.207	0.149	0.188	0.287	0.502	0.612	0.726	0.732	0.872	0.737	0.586	0.367	0.206	0.149	0.187	0.286	0.499	0.609	0.722	0.729
	PS	0.015	0.36	0.029	0.01	0.04	0.088	0.078	0.075	0.084	0.108	0.137	0.14	0.088	0.075	0.127	0.014	0.004	0.073	0.085	0.112	0.131	0.112	0.112	0.004	
	P95	1.193	1.162	1.135	1.016	0.74	0.448	0.278	0.393	0.583	0.871	1.005	1.065	1.203	1.169	1.132	1.005	0.765	0.446	0.297	0.404	0.614	0.839			

Net Position Report - Economically Optimal Portfolio - ATC (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	4.82	9.045	4.245	0.786	2.365	5.322	4.522	2.316	1.503	1.492	1.163	0.204	5.022	9.214	4.352	1.041	2.476	5.402	4.418	2.427	1.53	1.632	1.221	0.222	5.237	
	P5	0.011	2.575	0.056	0.	0.112	0.808	0.283	0.034	0.	0.034	0.034	0.	0.034	0.293	0.045	0.	0.089	0.912	0.145	0.078	0.078	0.101	0.101	0.	0.179	
	P95	10.046	15.165	11.556	3.858	8.284	12.295	10.394	6.182	4.513	4.548	3.803	1.049	10.034	16.275	12.682	4.53	9.318	14.49	10.681	7.193	5.431	4.527	4.042	1.026	9.772	
CELP	MEAN																										
	P5																										
	P95																										
Colstrip 3	MEAN	62.127	69.803	68.779	70.666	70.541	75.419	74.464	66.196	69.413	58.429	4.987	11.415	62.652	70.584	68.74	72.119	70.533	74.927	74.633	66.073	69.749	58.637	52.577	49.284	63.332	
	P5	84.223	55.211	55.176	48.997	56.561	61.589	60.126	52.381	53.114	39.731	1.299	5.468	46.518	55.379	50.438	56.631	60.217	62.413	50.562	49.012	36.958	32.06	32.949	45.866		
	P95	78.676	79.445	78.354	81.249	79.135	81.929	81.728	73.936	80.033	72.931	6.806	15.579	78.903	79.995	78.463	80.909	78.981	82.103	81.99	73.94	79.86	73.189	68.913	67.948	78.754	
Colstrip 4	MEAN	62.636	69.893	68.473	70.412	70.356	74.016	73.31	66.015	68.334	58.536	52.342	49.352	63.336	70.32	69.864	71.164	71.248	75.056	74.202	66.3	68.724	59.044	52.091	49.502	64.513	
	P5	43.432	56.383	50.787	49.111	57.423	60.079	59.838	51.727	52.206	41.602	33.586	28.139	45.107	55.613	55.793	59.18	63.046	61.569	51.389	53.993	39.918	32.288	30.319	45.164		
	P95	79.038	79.871	77.893	80.97	79.053	81.968	81.583	74.064	80.178	72.931	70.247	65.864	79.106	80.358	78.347	80.909	78.981	81.955	81.932	74.041	79.665	73.815	68.42	67.948	79.169	
CX CCCT1	MEAN	147.649	152.66	144.942	144.564	143.436	150.563	189.609	160.685	129.329	71.968	43.835	5.23	130.806	193.161	188.995	180.847	184.559	208.323	190.926	162.387	126.83	75.184	45.966	7.745	134.443	
	P5	142.046	149.006	139.971	142.326	139.331	145.466	148.284	119.321	94.513	41.41	15.664	0.	105.27	161.361	145.005	138.339	143.051	169.472	149.555	127.915	89.963	38.318	21.494	0.	99.714	
	P95	152.786	155.666	150.291	148.686	149.091	155.466	117.1	189.561	160.273	104.442	71.936	26.692	157.799	215.092	210.866	221.343	215.092	215.092	228.125	194.065	161.053	109.094	76.266	61.715	166.069	
CX FrameCT1	MEAN	4.111	13.568	2.386	0.156	1.757	4.724	7.32	2.594	0.966	0.288	0.274	0.	4.045	13.201	2.32	0.097	1.735	4.708	7.485	2.91	1.175	0.373	0.461	0.001	4.603	
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.166	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	P95	12.404	24.817	13.082	0.65	12.898	17.718	19.173	8.633	5.766	2.372	1.309	0.	12.191	25.673	10.692	0.	9.819	18.677	20.891	9.639	5.303	2.554	2.401	0.	13.481	
CX FrameCT1	MEAN																										
	P5																										
	P95																										
CX Recip1	MEAN	4.458	6.543	5.825	4.036	5.653	7.241	6.854	5.017	3.727	2.224	1.654	0.751	4.554	6.61	5.731	4.242	5.716	7.362	7.042	5.038	3.902	2.382	1.769	0.687	4.885	
	P5	2.431	4.794	2.771	0.978	2.831	4.684	4.021	2.771	1.785	0.552	0.374	0.017	2.822	4.561	4.017	2.372	0.859	3.701	4.599	4.14	2.465	1.87	0.962	0.653	0.043	3.375
	P95	6.477	7.863	8.041	7.497	8.254	9.597	9.138	7.285	6.324	3.936	3.196	2.831	6.622	8.067	7.803	7.922	8.254	9.469	9.478	7.157	6.154	4.063	3.094	2.652	6.911	
CX Recip10	MEAN	4.633	6.825	6.077	4.191	5.893	7.549	6.851	4.985	3.622	2.165	1.445	0.745	4.554	6.6	5.731	4.242	5.716	7.362	7.042	5.038	3.902	2.382	1.769	0.687	4.885	
	P5	2.488	4.973	2.883	1.062	3.036	4.829	3.961	2.712	1.819	0.553	0.374	0.017	2.848	4.522	4.017	2.372	0.859	3.701	4.599	4.14	2.465	1.87	0.962	0.653	0.043	3.375
	P95	6.778	8.352	8.34	7.797	8.544	9.899	9.138	7.302	6.299	3.934	3.154	2.831	6.622	8.05	7.982	7.829	8.254	9.486	9.478	7.157	6.154	4.063	3.094	2.652	6.911	
CX Recip2	MEAN	4.457	6.566	5.826	4.024	5.651	7.219	6.831	4.978	3.745	2.216	1.654	0.755	4.566	6.62	5.736	4.214	5.749	7.372	7.005	5.036	3.862	2.372	1.77	0.683	4.885	
	P5	2.414	4.837	2.771	1.02	2.916	4.701	4.021	2.771	1.794	0.553	0.383	0.017	2.822	4.412	4.017	2.372	0.859	3.709	4.642	4.14	2.465	1.87	0.962	0.653	0.043	3.375
	P95	6.571	7.982	8.067	7.497	8.33	9.427	9.138	7.327	6.231	4.021	3.188	2.882	6.613	8.092	7.982	7.956	8.177	9.478	9.486	7.361	6.146	4.063	3.06	2.652	6.8	
CX Recip3	MEAN	4.423	6.58	5.847	4.028	5.648	7.262	6.819	5.007	3.759	2.22	1.65	0.754	4.541	6.62	5.736	4.214	5.749	7.372	7.005	5.036	3.862	2.372	1.77	0.683	4.885	
	P5	2.431	4.794	2.771	1.02	2.89	4.701	4.021	2.771	1.819	0.553	0.383	0.017	2.822	4.412	4.017	2.372	0.859	3.709	4.642	4.14	2.465	1.87	0.962	0.653	0.043	3.375
	P95	6.537	7.973	8.067	7.497	8.237	9.554	9.138	7.327	6.231	4.021	3.188	2.882	6.613	8.092	7.982	7.956	8.177	9.478	9.486	7.361	6.146	4.063	3.06	2.652	6.8	
CX Recip4	MEAN	4.468	6.568	5.832	4.026	5.656	7.26	6.845	5.011	3.737	2.227	1.651	0.751	4.551	6.625	5.713	4.224	5.727	7.404	7.04	5.021	3.88	2.374	1.77	0.685	4.854	
	P5	2.431	4.828	2.746	1.02	2.797	4.582	4.021	2.771	1.819	0.553	0.383	0.017	2.822	4.412	4.017	2.372	0.859	3.709	4.642	4.14	2.465	1.87	0.962	0.653	0.043	3.409
	P95	6.579	8.016	7.88	7.404	8.237	9.512	9.019	7.276	6.307	3.91	3.213	2.89	6.562	8.092	7.803	7.965	8.398	9.554	9.35	7.276	6.154	3.876	3.094	2.644	6.554	
CX Recip5	MEAN	4.796	7.084	6.348	4.359	6.128	7.844	7.43	5.408	4.196	2.756	1.79	0.815	4.912	7.156	6.241	4.567	6.241	7.636	7.042	5.055	3.888	2.376	1.773	0.675	4.861	
	P5	2.631	5.18	2.999	1.095	3.156	4.977	4.352	2.962	1.954	0.598	0.414	0.018	2.981	4.775	4.017	2.372	0.859	3.709	4.642	4.14	2.465	1.87	0.962	0.653	0.043	3.409
	P95	7.121	8.685	8.731	8.114	9.016	10.341	9.853	7.894	6.855	4.352	3.468	3.128	7.167	8.752	8.611	8.321	8.473	9.637	9.796	7.976	6.477	4.398	3.349	2.843	7.36	
CX Recip6	MEAN	4.802	7.106	6.319	4.355	6.145	7.839	7.42	5.396	4.046	2.409	1.792	0.813	4.903	7.157	6.214	4.58	6.218	7.977	7.613	5.475	4.214	2.584	1.921	0.74	5.26	
	P5	2.475	5.198	2.999	1.104	3.156	4.968	4.287	2.999	2.008	0.598	0.414	0.018	2.972	4.931	4.243	0.846	3.321	4.812	4.48	2.797	2.107	0.938	0.718	0.046	3.754	
	P95	6.909	8.676	8.648	8.114	8.832	10.286	9.807	7.71	6.698	4.352	3.445	3.128	7.112	8.731	8.639	8.62	9.09	10.304	10.221	7.976	6.624	4.398	3.349	2.824	7.305	
CX Recip7	MEAN	4.829	7.094	6.323	4.367	6.113	7.844	7.366	5.374	4.046	2.412	1.804	0.815	4.921	7.159	6.203	4.591	6.228	8.005	7.65	5.479	4.202	2.582	1.928	0.74	5.254	
	P5	2.631	5.244	2.99	1.104	3.156	5.042	4.																			

Net Position Report - Economically Optimal Portfolio - ATC (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	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.753	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.753	5.944	5.752	5.944
	P5	5.902	5.895	5.68	1.374	1.401	0.69	0.637	0.984	2.447	5.704	5.892	5.705	5.901	5.902	5.684	1.377	1.403	0.693	0.637	0.973	2.446	5.703	5.944	5.713	5.904
	P95	5.989	5.989	5.8	1.405	1.445	0.706	0.688	0.992	2.494	5.793	5.993	5.798	5.988	5.983	5.799	1.401	1.444	0.705	0.692	0.993	2.493	5.796	5.99	5.798	5.987
Thompson Falls	MEAN	55.875	33.734	27.836	32.8	36.456	41.95	39.327	36.574	39.93	52.926	61.549	58.51	55.872	33.736	27.832	32.804	36.454	41.951	39.327	36.57	39.929	52.935	61.55	58.499	55.88
	P5	44.878	25.937	21.436	24.827	28.545	33.676	31.633	29.023	31.925	42.093	46.763	45.827	42.429	26.905	21.216	26.386	27.76	32.56	30.868	30.585	31.875	41.311	48.243	45.713	43.596
	P95	69.037	42.214	34.858	42.22	46.04	51.526	48.75	45.986	50.511	63.297	76.22	72.717	70.904	41.23	34.36	41.21	44.881	50.905	48.152	46.658	51.473	64.221	76.312	73.4	71.185
Hydro - Total	MEAN	245.039	203.846	180.062	182.54	187.197	202.008	198.286	184.409	208.663	234.186	268.238	266.982	245.013	203.868	180.038	182.565	187.185	202.017	198.285	184.385	208.659	234.219	268.257	266.927	245.056
	P5	193.676	153.042	136.643	136.239	143.071	156.746	151.78	142.927	161.171	178.488	198.681	198.52	177.584	160.268	134.339	144.352	139.365	151.372	148.63	145.963	159.536	173.451	202.792	198.837	184.805
	P95	314.755	262.011	236.498	250.218	245.763	258.506	266.391	240.791	283.639	292.089	347.269	357.934	330.419	263.014	233.971	243.236	238.12	259.397	257.239	262.182	252.829	301.271	351.024	347.607	330.169
Load	MEAN	-646.801	-614.027	-534.088	-557.939	-583.545	-665.093	-664.784	-590.321	-586.259	-539.686	-539.686	-558.134	-654.395	-621.237	-540.36	-564.49	-590.397	-672.903	-672.528	-593.088	-542.957	-545.973	-564.636	-662.018	
	P5	-670.299	-630.068	-544.451	-569.066	-595.326	-685.265	-700.998	-609.529	-600.017	-547.553	-547.637	-566.311	-683.089	-643.811	-550.862	-574.808	-602.558	-692.436	-708.611	-612.065	-610.405	-553.872	-554.165	-574.161	-690.707
	P95	-620.964	-594.746	-525.706	-547.868	-570.995	-644.11	-626.993	-574.136	-572.757	-526.25	-531.81	-551.306	-630.323	-601.316	-530.004	-554.027	-575.392	-654.005	-641.914	-579.304	-579.893	-533.798	-539.703	-556.866	-634.967
Morgan 5 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
	P5	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
	P95	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Small Tier II	MEAN	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205
	P5	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205
	P95	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205
Tiber	MEAN																									
	P5																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544		
	P5	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544		
	P95	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031					0.005	3.663	8.053	9.544		
Physical Instrument - Total	MEAN	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771
	P5	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771
	P95	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	3.835	8.298	9.771
Deer Creek Solar	MEAN	0.922	0.841	0.619	0.441	0.208	0.16	0.179	0.314	0.474	0.658	0.711	0.789	0.917	0.837	0.615	0.439	0.207	0.159	0.179	0.312	0.472	0.655	0.708	0.785	0.913
	P5	0.479	0.27	0.004	0.059	0.028	0.059	0.009	0.029	0.055	0.13	0.067	0.038	0.045	0.297	0.058	0.059	0.03	0.013	0.013	0.03	0.056	0.133	0.11	0.085	0.443
	P95	1.198	1.152	1.07	0.886	0.623	0.38	0.519	0.793	0.883	1.051	1.155	1.248	1.205	1.137	1.076	0.866	0.609	0.39	0.568	0.776	0.9	1.044	1.155	1.258	1.212
Distributed Generation	MEAN	3.621	3.259	2.661	2.01	1.355	1.122	1.372	1.801	2.321	3.608	3.602	3.621	3.259	2.661	2.01	1.355	1.122	1.372	1.801	2.321	3.608	3.602	3.621	3.259	2.661
	P5	0.096	0.181	0.586	0.858	0.959	0.771	1.034	0.907	1.574	1.468	1.32	0.474	0.135	0.135	0.601	0.984	0.829	1.048	0.916	1.651	1.664	1.664	1.679	0.519	0.189
	P95	6.299	5.823	4.996	3.45	1.941	1.551	1.839	3.175	3.678	5.265	6.286	6.934	6.91	6.4	5.572	3.812	2.152	2.019	3.588	4.114	6.474	6.779	7.509	7.398	
Fairfield	MEAN	1.757	1.627	2.054	3.62	3.758	3.867	4.295	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.865	4.289	2.72	3.45	3.442	1.346	2.129	1.757
	P5	1.416	1.201	1.675	3.021	3.151	3.083	3.457	2.09	2.782	1.655	2.97	1.988	1.655	1.424	1.643	2.97	3.599	3.788	2.238	2.875	3.001	1.978	1.719	1.309	
	P95	2.145	2.135	2.615	4.216	4.465	4.613	5.097	3.312	4.004	3.952	1.81	2.708	2.245	2.073	2.554	4.251	4.578	4.623	5.061	3.261	4.131	3.903	1.808	2.612	2.214
Gordon Butte	MEAN	1.816	1.698	2.393	3.662	4.617	4.906	5.688	3.862	4.147	3.504	2.417	1.816	1.698	2.393	3.662	4.617	4.904	5.688	3.862	4.147	3.504	2.417	1.816		
	P5	1.269	1.089	1.732	2.862	3.965	3.991	4.758	3.045	3.302	2.822	1.76	2.08	1.116	1.187	1.701	2.767	3.853	4.064	4.808	3.102	3.291	2.844	1.703	2.128	1.104
	P95	2.609	2.371	3.308	4.381	5.218	5.636	6.199	4.586	4.932	4.321	3.023	3.595	2.532	2.371	3.149	4.478	5.467	6.435	4.54	4.991	4.226	3.125	3.544	2.539	
Green Meadow Solar	MEAN	0.867	0.734	0.583	0.365	0.205	0.148	0.186	0.284	0.497	0.606	0.719	0.725	0.863	0.73	0.58	0.363	0.204	0.147	0.185	0.283	0.494	0.603	0.715	0.722	0.859
	P5	0.347	0.014	0.008	0.035	0.072	0.073	0.08	0.077	0.107	0.148	0.107	0.103	0.073	0.032	0.014	0.054	0.069	0.072	0.111	0.104	0.104	0.104	0.131	0.005	0.306
	P95	1.151	1.123	0.993	0.718	0.444	0.304	0.37	0.616	0.811	0.977	1.055	1.163	1.177	1.12	0.993	0.72</									

Net Position Report - Economically Optimal Portfolio - ATC (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	9.55	4.39	0.832	2.512	5.674	4.618	2.64	1.544	1.81	1.25	0.227	5.565	9.365	4.847	0.976	2.525	6.082	4.731	2.801	1.76	1.87	1.371	0.31	5.943	9.584	
	P5	4.404	0.38	0.0	0.089	0.909	0.279	0.034	0.0	0.022	0.292	0.045	0.0	0.0	0.022	0.011	0.0	0.078	0.082	0.156	0.107	0.0	0.078	0.089	2.114	0.089	2.114
	P95	14.152	11.282	4.738	8.16	12.391	11.496	7.882	4.719	6.656	3.644	1.543	11.363	15.565	14.58	4.346	7.429	14.409	12.769	8.078	6.178	6.151	4.772	1.842	11.401	17.14	
CELP	MEAN																										
	P5																										
	P95																										
Colstrip3	MEAN	71.284	68.573	72.32	71.05	75.238	74.706	66.127	70.272	58.994	53.316	48.539	65.017	71.626	68.786	73.209	71.705	75.441	74.05	68.12	69.758	58.573	15.171	13.211	64.832	72.03	
	P5	54.897	53.796	57.949	55.82	61.141	57.596	51.809	52.894	39.881	35.91	24.348	47.217	57.475	54.52	57.298	54.803	61.525	54.928	50.21	46.492	37.796	7.238	5.79	44.045	56.495	
	P95	80.223	77.323	81.389	81.863	82.08	74.016	80.327	73.555	68.753	63.965	79.227	80.191	77.54	81.749	79.352	81.944	82.328	76.827	80.994	74.942	21.013	19.208	79.488	80.78		
Colstrip4	MEAN	71.254	69.799	71.826	71.346	74.719	74.191	66.443	69.06	59.779	53.817	48.539	64.754	71.305	69.87	72.405	71.675	74.826	74.133	68.687	69.737	59.522	52.427	50.373	65.345	71.479	
	P5	59.212	54.98	56.003	58.1	61.757	60.241	50.031	49.792	39.581	8.201	6.746	46.756	56.141	56.73	55.616	57.671	60.683	56.288	51.505	49.412	40.22	30.743	23.184	46.176	54.927	
	P95	80.284	78.045	81.361	78.981	81.755	81.945	73.891	80.481	73.555	21.041	17.891	79.227	80.191	77.723	81.749	79.249	81.806	82.359	76.773	80.917	74.636	70.138	68.361	79.19	80.662	
CX CCCT1	MEAN	191.235	184.542	176.953	183.476	208.611	191.934	160.569	125.926	72.982	43.259	8.141	134.918	191.675	189.723	178.241	184.668	206.477	190.356	161.973	124.28	78.134	43.781	8.52	137.009	188.486	
	P5	160.066	148.911	128.039	141.009	170.089	156.793	117.82	87.017	35.521	15.738	0.	95.974	162.078	153.172	130.159	141.512	163.69	152.745	113.211	90.996	38.751	13.594	0.	103.449	150.876	
	P95	215.018	210.178	213.318	220.013	231.502	221.259	194.675	167.361	116.199	74.803	61.684	167.158	214.378	216.605	218.04	218.576	233.409	220.784	198.215	155.628	112.564	80.831	58.249	174.172	213.976	
CX FrameCT1	MEAN	13.588	1.878	0.075	2.038	5.829	7.957	3.564	0.87	0.604	0.429	0.	4.343	13.253	2.934	0.	1.958	6.122	7.334	3.315	0.897	0.683	0.468	0.005	5.028	13.539	
	P5	2.031	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.492	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	
	P95	25.276	10.837	0.	10.023	20.092	20.93	13.371	4.532	4.023	3.319	0.	14.452	24.157	16.434	0.	10.248	21.436	20.109	12.44	4.424	4.563	2.451	0.05	14.726	26.816	
CX FrameCT1	MEAN	13.55	1.88	0.063	2.006	5.764	7.955	3.561	0.808	0.605	0.429	0.	4.47	13.955	2.927	0.	1.849	7.338	3.328	0.992	0.719	0.423	0.004	5.088	13.46		
	P5	2.01	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.492	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.		
	P95	25.72	10.842	0.	9.708	18.847	21.353	12.657	4.02	3.463	2.866	0.	14.305	24.459	16.021	0.	8.637	20.375	19.778	12.607	4.498	4.378	2.451	0.009	14.918	25.88	
CX Recip1	MEAN	6.772	6.072	4.474	5.981	7.623	7.164	5.157	3.988	2.464	1.797	0.743	4.825	6.687	6.266	4.672	6.115	7.791	7.35	5.531	4.044	2.604	1.859	0.882	5.108	6.67	
	P5	4.922	3.46	1.241	2.593	4.718	4.029	3.222	1.885	0.731	0.349	0.009	2.984	4.225	4.029	3.122	1.088	2.55	4.803	4.76	2.831	1.641	0.672	0.459	2.559	4.828	
	P95	8.211	8.007	8.33	8.568	9.758	9.554	7.854	6.435	4.395	3.205	2.882	6.885	8.356	8.679	8.211	8.73	10.124	9.444	7.684	6.579	4.692	3.587	4.021	7.208	8.169	
CX Recip10	MEAN	6.732	6.083	4.484	5.987	7.61	7.165	5.171	3.976	2.458	1.773	0.738	4.794	6.765	6.303	4.693	6.116	7.803	7.345	5.527	4.085	2.605	1.845	0.876	5.11	6.656	
	P5	5.151	3.46	1.241	2.618	4.437	3.885	2.797	1.785	0.731	0.349	0.009	2.984	4.225	4.029	3.122	1.088	2.55	4.956	4.684	2.805	1.734	0.672	0.459	2.627	4.769	
	P95	8.194	8.007	8.262	8.568	9.826	9.631	8.007	6.358	4.276	3.052	2.882	6.877	8.356	8.509	8.351	8.862	10.141	9.486	7.574	6.605	4.641	3.485	3.009	7.319	8.118	
CX Recip2	MEAN	6.787	6.068	4.481	5.96	7.617	7.186	5.149	3.967	2.463	1.788	0.738	4.825	6.696	6.288	4.662	6.104	7.722	7.307	5.536	4.051	2.596	1.86	0.88	5.121	6.692	
	P5	5.16	3.46	1.241	2.618	4.456	4.148	2.924	1.785	0.731	0.281	0.009	2.865	4.225	4.029	3.122	1.088	2.55	4.854	4.65	2.831	1.683	0.672	0.459	2.009	4.828	
	P95	8.194	7.795	8.237	8.568	9.699	9.716	8.007	6.409	4.267	3.205	2.822	6.928	8.356	8.483	8.33	8.628	9.988	9.427	7.65	6.613	4.675	3.536	4.029	7.259	8.22	
CX Recip3	MEAN	6.753	6.062	4.48	5.975	7.597	7.193	5.16	3.979	2.472	1.773	0.734	4.79	6.644	6.272	4.673	6.12	7.816	7.359	5.528	4.082	2.611	1.856	0.878	5.085	6.709	
	P5	4.981	3.46	1.165	2.618	4.548	3.859	2.933	1.785	0.731	0.349	0.009	2.797	4.225	4.069	3.122	1.088	2.55	4.998	4.769	2.763	1.734	0.655	0.459	2.61	4.905	
	P95	8.254	7.973	8.203	8.5	9.58	9.631	7.922	6.316	4.395	3.162	2.882	6.715	8.262	8.509	8.373	8.73	10.141	9.486	7.587	6.613	4.692	3.587	4.029	7.149	8.22	
CX Recip4	MEAN	6.778	6.084	4.469	5.973	7.652	7.188	5.158	3.97	2.459	1.79	0.741	4.81	6.674	6.282	4.655	6.089	7.798	7.358	5.514	4.049	2.613	1.858	0.886	5.1	6.686	
	P5	5.1	3.46	1.241	2.618	4.456	4.148	3.23	1.785	0.731	0.281	0.009	2.865	4.225	4.029	3.122	1.088	2.55	4.956	4.689	2.805	1.641	0.672	0.459	2.372	4.947	
	P95	8.254	8.007	8.313	8.373	9.784	9.656	7.888	6.435	4.31	3.205	2.882	6.69	8.22	8.475	8.449	8.687	10.081	9.418	7.701	6.537	4.607	3.579	4.089	7.259	8.22	
CX Recip5	MEAN	7.327	6.612	4.845	6.455	8.244	7.777	5.663	4.282	2.627	1.944	0.796	5.213	7.777	6.563	5.05	6.616	8.41	7.957	5.972	4.407	2.83	1.994	0.949	5.519	7.244	
	P5	5.584	3.717	1.334	2.834	5.06	4.379	3.183	1.914	0.791	0.377	0.009	3.036	4.572	3.312	1.178	2.613	5.41	5.299	3.036	1.877	0.718	0.477	0.009	2.843	5.354	
	P95	8.887	8.666	9.007	9.274	10.626	10.516	8.666	6.909	4.747	3.459	3.119	7.415	8.933	9.269	9.108	9.448	10.167	10.203	8.28	7.148	5.069	3.864	4.342	7.838	8.823	
CX Recip6	MEAN	7.326	6.593	4.851	6.46	8.255	7.745	5.593	4.288	2.67	1.94	0.798	5.187	7.222	6.8	5.056	6.594	8.424	7.916	5.963	4.414	2.838	2.005	0.952	5.524	7.209	
	P5	5.584	3.735	1.343	2.834	5.106	4.49	3.33	1.932	0.791	0.377	0.009	3.229	4.554	3.321	1.178	2.668	5.299	5.023	3.018	1.877	0.727	0.414	0.009	2.824	5.152	
	P95	8.933	8.63	8.841	9.274	10.635	10.396	8.547	6.964	4.756	3.413	3.119	7.498	8.942	9.393	9.08	9.329	10.976	10.194	8.335	7.158	4.968	3.79	4.361	7.866	8.685	
CX Recip7	MEAN	7.325	6.576	4.85	6.425	8.23	7.783																				

Net Position Report - Economically Optimal Portfolio - ATC (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	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.944
	P5	5.893	5.663	1.376	1.406	0.69	0.659	0.971	2.448	5.899	5.636	5.899	5.636	5.707	5.893	1.374	1.405	0.692	0.663	0.971	2.444	5.711	5.895	5.709	5.899	5.899
	P95	5.982	5.805	1.402	1.442	0.704	0.689	0.991	2.495	5.803	5.989	5.793	5.981	5.981	5.981	1.401	1.438	0.704	0.697	0.991	2.494	5.787	5.99	5.802	5.985	5.991
Thompson Falls	MEAN	33.73	27.835	32.804	36.453	41.952	39.329	36.57	39.928	52.931	61.547	58.506	55.876	33.734	27.834	32.806	36.449	41.95	39.327	36.932	52.925	61.553	58.506	55.876	33.734	
	P5	27.647	22.025	25.156	28.684	33.238	30.938	28.248	32.669	41.681	46.001	45.515	41.872	26.546	20.331	25.266	29.699	34.049	28.951	26.773	31.856	41.962	48.297	45.525	43.035	25.801
	P95	42.199	34.715	40.583	47.008	53.44	47.581	46.304	48.23	65.894	76.204	70.46	74.004	41.47	34.923	40.734	45.428	49.987	48.476	45.905	49.044	65.158	76.679	71.063	68.429	41.845
Hydro - Total	MEAN	203.834	180.056	182.565	187.187	202.008	198.31	184.387	208.653	234.2	268.244	266.953	245.04	203.833	180.037	182.585	187.163	201.999	198.293	184.416	208.661	234.188	268.264	266.953	245.045	203.84
	P5	161.388	139.263	137.901	144.055	155.778	147.725	136.665	159.805	174.967	189.46	196.479	178.422	157.463	130.099	136.486	147.96	158.867	138.95	131.086	161.31	178.023	203.4	200.112	181.031	152.984
	P95	271.953	234.695	233.283	256.273	281.014	257.518	245.522	271.286	307.369	352.806	350.78	346.215	250.263	237.659	239.069	242.206	250.611	260.78	243.057	267.672	302.9	363.102	336.487	316.187	261.052
Load	MEAN	-628.473	-546.654	-571.066	-597.275	-680.741	-604.11	-599.953	-549.241	-552.292	-571.171	-669.681	-633.747	-552.981	-577.675	-604.188	-688.62	-688.129	-611.051	-606.847	-555.553	-558.639	-577.734	-607.376	-643.053	
	P5	-643.33	-557.138	-581.808	-609.186	-698.929	-711.68	-621.05	-615.806	-559.933	-561.914	-579.779	-705.136	-655.854	-563.114	-586.324	-617.562	-708.901	-729.695	-627.094	-623.233	-565.039	-565.928	-587.455	-706.921	-663.803
	P95	-612.351	-538.291	-561.993	-584.744	-662.427	-653.457	-587.119	-586.118	-537.159	-542.726	-564.356	-637.017	-616.364	-543.302	-567.8	-592.811	-666.582	-646.924	-595.57	-591.207	-551.286	-570.96	-647.231	-623.67	
Morgan 5 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
PPL 09 RFP (HL)	MEAN																									
	P5																									
	P95																									
Small QF1	MEAN	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	
	P5	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
	P95	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Small Tier II	MEAN	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223		
	P5	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223		
	P95	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223	0.205	0.226	0.207	0.15	0.107	0.025	0.027	0.025	0.045	0.121	0.15	0.223		
Tiber	MEAN																									
	P5																									
	P95																									
TransAlta 10 RFP (HL)	MEAN																									
	P5																									
	P95																									
Turnbull	MEAN	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127			
	P5	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127			
	P95	7.127	2.493	0.031					0.005	3.663	8.053	9.544	7.127	2.493	0.031				0.005	3.663	8.053	9.544	7.127			
Physical Instrument - Total	MEAN	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.297	9.566	7.149
	P5	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.297	9.566	7.149
	P95	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.298	9.771	7.375	2.721	0.203	0.129	0.047	0.049	0.047	0.067	0.148	8.335	8.297	9.566	7.149
Deer Creek Solar	MEAN	0.833	0.612	0.437	0.206	0.158	0.178	0.31	0.469	0.652	0.704	0.781	0.908	0.829	0.609	0.435	0.204	0.158	0.177	0.309	0.467	0.648	0.701	0.778	0.904	0.824
	P5	0.261	0.005	0.034	0.034	0.055	0.011	0.033	0.08	0.171	0.055	0.052	0.42	0.268	0.01	0.047	0.037	0.065	0.029	0.075	0.037	0.064	0.137	0.11	0.037	0.041
	P95	1.152	1.075	0.914	0.531	0.396	0.553	0.79	0.895	1.06	1.156	1.249	1.208	1.145	1.072	0.909	0.619	0.359	0.549	0.816	0.891	1.049	1.144	1.255	1.206	
Distributed Generation	MEAN	3.801	3.104	2.344	1.58	1.309	1.6	2.101	3.044	4.562	4.201	3.975	4.201	4.562	4.201	3.975	4.201	4.562	4.201	3.975	4.201	4.562	4.201	3.975	4.201	
	P5	0.178	0.52	1.111	1.072	0.863	0.937	1.85	1.655	1.528	0.544	0.14	0.195	0.608	1.097	1.223	0.939	1.237	0.952	1.972	1.91	1.622	0.475	0.119	0.233	
	P95	6.819	5.96	4.198	2.289	1.723	2.171	3.916	4.197	6.239	7.37	8.078	8.068	7.709	6.232	2.446	1.848	1.848	2.323	4.258	6.444	8.063	8.876	8.876	7.966	
Fairfield	MEAN	1.627	2.054	3.62	3.758	3.866	4.294	2.72	3.45	3.442	1.346	2.129	1.757	1.627	2.054	3.62	3.758	3.866	4.297	2.72	3.45	3.442	1.346	2.129	1.757	
	P5	1.178	1.633	3.017	3.034	3.123	3.473	2.175	2.947	3.912	1.709	3.333	2.497	1.666	3.017	3.018	3.967	3.493	3.018	2.967	2.801	3.001	2.967	1.178	1.278	
	P95	2.062	2.485	4.207	4.481	4.662	5.04	3.235	3.988	3.999	1.881	2.633	2.227	1.974	2.554	4.344	4.529	5.071	5.063	3.431	4.114	3.882	1.871	2.61	2.248	
Gordon Butte	MEAN	1.698	2.393	3.662	4.617	4.905	5.564	3.862	4.147	3.504	2.417	1.698	3.862	4.147	3.504	2.417	1.698	3.862	4.617	4.905	5.567	3.862	4.147	3.504	2.417	
	P5	1.151	1.728	2.816	3.864	4.033	4.847	2.983	3.486	4.724	1.609	2.221	1.202	1.159	1.742	2.831	3.739	4.021	4.627	2.946	3.34	2.834	1.725	2.029	1.168	
	P95	2.249	3.133	4.465																						

Net Position Report - Economically Optimal Portfolio - ATC (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	4.974	1.107	2.981	6.193	4.646	2.681	1.657	1.893	1.255	0.234	5.564	10.183	5.168	1.03	2.8	6.474	5.103	2.691	1.683	1.741	1.209	0.239	5.894	10.16	5.415
	P5	0.	0.	0.0413	0.134	0.156	0.089	0.089	0.	0.022	0.123	0.	0.022	4.407	0.123	0.	0.052	0.626	0.525	0.179	0.045	0.	0.129	0.626	0.123	0.145
	P95	14.926	6.591	9.424	17.034	12.002	7.731	4.455	5.614	3.843	1.031	10.425	16.217	12.923	4.403	7.043	13.532	10.338	6.633	4.658	4.821	4.273	0.792	11.845	17.715	16.011
CELP	MEAN																									
	P5																									
	P95																									
Colstrip 3	MEAN	69.144	73.133	71.625	76.155	75.881	66.476	70.757	59.912	54.172	50.742	65.387	72.569	69.831	73.913	71.449	75.169	75.352	66.722	71.128	60.078	54.855	50.769	65.849	72.957	69.676
	P5	49.793	61.191	53.526	63.402	63.093	49.648	51.513	40.127	33.233	34.257	45.738	59.091	53.225	60.458	56.484	61.579	62.389	49.721	52.085	38.31	31.847	24.407	47.686	58.277	55.303
	P95	78.503	81.829	79.318	82.184	82.4	74.444	80.695	74.357	72.312	65.335	79.079	80.859	78.911	81.967	79.392	82.33	82.211	74.078	81.465	74.57	72.424	68.533	79.25	80.76	78.773
Colstrip 4	MEAN	69.994	71.249	71.42	75.147	74.997	67.704	69.631	61.399	54.012	51.294	66.116	72.238	70.278	72.72	70.835	74.941	74.988	66.516	70.472	61.032	54.294	7.4	66.15	72.383	70.202
	P5	54.149	52.505	59.613	60.512	60.367	56.616	52.544	41.87	35.405	32.304	48.68	57.591	56.493	58.545	53.211	61.822	59.985	52.419	51.603	41.154	6.77	3.278	49.116	58.287	54.87
	P95	78.544	81.91	79.314	82.221	82.364	74.444	81.014	74.55	72.312	68.012	79.155	80.841	78.911	81.912	79.275	82.4	82.251	74.039	81.5	74.876	14.689	9.482	79.272	81.301	78.444
CX CCCT1	MEAN	190.084	176.036	183.779	210.979	192.569	160.46	126.218	75.511	39.949	4.605	128.675	193.218	192.624	178.39	186.197	210.523	192.857	163.76	126.498	73.067	3.713	127.046	190.668	190.084	
	P5	150.437	124.046	139.883	177.235	159.315	121.512	90.25	42.651	5.152	0.	97.76	154.762	156.035	132.238	144.417	170.903	161.034	126.073	92.04	40.425	19.494	0.	94.181	157.707	154.63
	P95	214.383	223.388	217.374	235.772	239.842	192.221	160.43	109.189	67.806	20.692	159.226	213.19	213.577	216.235	214.121	234.337	216.941	192.721	158.374	106.699	73.118	22.318	159.375	216.675	217.357
CX FrameCT1	MEAN	2.663	0.219	2.052	5.654	7.471	3.198	0.885	0.434	0.39	0.003	5.225	14.948	2.388	0.159	2.	5.909	7.989	3.161	1.104	0.526	0.287	0.001	4.687	14.511	3.036
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.45	0.
	P95	12.026	0.563	9.416	19.715	17.049	11.182	4.852	3.18	2.405	0.	12.805	25.901	8.601	0.009	10.703	18.993	18.846	11.327	6.536	3.916	2.686	0.	13.533	28.368	15.38
CX FrameCT1	MEAN	2.743	0.221	2.11	5.528	7.299	3.37	0.863	0.452	0.414	0.003	5.256	14.757	2.378	0.152	1.971	5.862	7.862	3.138	1.209	0.573	0.303	0.001	4.731	14.633	3.116
	P5	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.	1.762	0.
	P95	12.64	0.563	9.625	18.666	16.882	11.769	5.011	3.461	2.405	0.	13.09	25.734	8.747	0.005	10.876	18.49	19.336	11.276	6.536	4.124	2.795	0.	13.622	28.757	16.385
CX Recip1	MEAN	6.379	4.677	6.158	7.859	7.518	5.459	4.206	2.734	1.81	0.908	4.861	7.056	6.621	5.033	6.566	8.228	7.704	5.646	4.275	2.702	1.952	0.921	4.897	7.164	6.796
	P5	2.635	1.02	2.474	4.548	4.922	3.103	1.998	1.003	0.34	0.026	3.162	5.602	5.443	3.247	5.466	4.905	3.29	1.777	1.054	0.578	0.034	5.27	3.987	5.27	
	P95	8.526	8.874	9.146	10.37	9.546	7.973	6.605	4.616	3.298	3.111	6.707	8.594	8.577	8.577	9.316	10.302	9.597	7.778	6.486	4.284	3.409	2.695	6.741	8.568	8.738
CX Recip10	MEAN	6.402	4.692	6.183	7.886	7.497	5.464	4.205	2.716	1.82	0.909	4.852	6.991	6.565	5.205	6.55	8.228	7.703	5.638	4.289	2.714	1.968	0.923	4.889	7.144	6.804
	P5	2.635	1.182	2.55	4.607	4.922	3.103	1.955	1.003	0.264	0.026	3.111	5.432	3.375	1.037	3.247	5.466	4.854	3.434	1.726	1.054	0.578	0.034	2.975	5.049	4.208
	P95	8.517	8.526	9.248	10.421	9.546	7.837	6.579	4.675	3.213	3.111	6.698	8.543	8.611	9.359	10.302	9.454	7.701	6.503	4.352	3.409	2.695	6.741	8.568	8.611	
CX Recip2	MEAN	6.396	4.692	6.144	7.874	7.548	5.452	4.194	2.705	1.833	0.91	4.869	7.064	6.638	5.03	6.551	8.171	7.685	5.642	4.282	2.713	1.957	0.93	4.895	7.181	6.793
	P5	2.635	1.182	2.593	4.607	4.854	3.103	1.989	1.003	0.34	0.026	3.162	5.729	3.443	3.247	5.245	4.837	3.29	1.819	1.054	0.577	0.037	3.077	5.27	3.978	
	P95	8.449	8.874	9.248	10.37	9.537	7.973	6.605	4.599	3.298	3.111	6.698	8.594	8.551	8.594	9.316	10.217	9.469	7.761	6.503	4.361	3.375	2.695	6.783	8.526	8.636
CX Recip3	MEAN	6.399	4.688	6.185	7.86	7.511	5.469	4.197	2.731	1.822	0.906	4.844	7.052	6.644	5.069	6.571	8.22	7.71	5.637	4.306	2.711	1.956	0.925	4.872	7.175	6.795
	P5	2.601	1.182	2.593	4.565	4.922	3.103	1.998	1.003	0.34	0.026	3.162	5.61	3.443	3.037	3.247	5.466	4.964	3.256	1.819	1.054	0.578	0.034	3.043	5.253	4.208
	P95	8.517	8.849	9.248	10.328	9.478	7.973	6.571	4.641	3.273	3.111	6.698	8.543	8.619	9.359	10.362	9.495	7.778	6.707	6.503	4.361	3.409	2.695	6.783	8.534	8.662
CX Recip4	MEAN	6.395	4.672	6.161	7.893	7.549	5.46	4.202	2.709	1.832	0.91	4.873	7.055	6.651	5.004	6.542	8.228	7.711	5.646	4.287	2.718	1.95	0.922	4.896	7.167	6.784
	P5	2.635	1.182	2.593	4.607	4.854	3.103	1.955	1.003	0.264	0.026	3.162	5.585	3.443	3.247	5.466	4.964	3.46	1.819	1.054	0.577	0.037	3.077	5.262	4.199	
	P95	8.449	8.781	9.189	10.447	9.546	7.786	6.571	4.667	3.298	3.111	6.63	8.585	8.577	8.534	9.359	10.311	9.571	7.769	6.494	4.344	3.409	2.695	6.783	8.534	8.704
CX Recip5	MEAN	6.959	5.067	6.642	8.549	8.138	5.91	4.541	2.962	1.958	0.777	7.21	5.451	7.058	8.914	9.571	8.34	6.104	4.668	2.944	2.096	1.001	5.28	7.753	7.368	
	P5	2.852	1.279	2.806	4.922	5.235	3.358	2.116	1.086	0.368	0.028	3.422	6.063	3.726	1.122	3.468	5.916	5.373	3.717	1.941	1.141	0.626	0.037	3.229	5.594	4.388
	P95	9.228	9.421	9.964	11.307	10.249	8.63	7.112	5.097	3.298	3.111	6.63	8.585	8.577	8.534	9.359	10.311	9.571	7.769	6.494	4.344	3.409	2.695	6.783	8.534	8.704
CX Recip6	MEAN	6.91	5.08	6.684	8.527	8.125	5.906	4.537	2.949	1.976	0.982	5.243	7.628	7.204	5.472	7.078	8.897	8.34	6.099	4.662	2.94	2.119	0.998	5.301	7.744	7.359
	P5	2.852	1.279	2.806	4.922	5.235	3.358	2.116	1.086	0.368	0.028	3.422	6.1	3.68	1.122	3.478	5.916	5.373	3.724	1.969	1.141	0.626	0.037	3.33	5.502	4.554
	P95	9.172	9.605	9.89	11.307	10.322	8.63	7.148	5.042	3.304	3.33	7.056	9.274	9.255	9.329	9.991	11.123	10.387	8.418	7.02	4.72	3.616	2.834	7.342	9.191	9.375
CX Recip7	MEAN	6.901	5.06	6.659	8.547	8.157	5.901	4.527	2.96	1.975																

Net Position Report - Economically Optimal Portfolio - ATC (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	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.753	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.746	1.389	1.423		
	P5	5.692	1.373	1.406	0.692	0.636	0.972	2.447	5.696	5.898	5.703	5.888	5.888	5.681	1.375	1.405	0.691	0.635	0.971	2.448	5.703	5.878	5.713	5.906	5.696	1.375	1.405	0.691	
	P95	5.798	1.405	1.442	0.705	0.688	0.992	2.497	5.808	5.983	5.806	5.988	5.988	5.983	1.405	1.438	0.706	0.693	0.993	2.493	5.794	5.984	5.789	5.984	5.789	1.405	1.438	0.706	
Thompson Falls	MEAN	27.835	32.802	36.455	41.948	39.333	36.567	39.933	52.928	61.554	58.495	55.88	33.737	27.829	32.806	36.453	41.951	39.325	36.575	39.926	52.932	61.548	58.506	55.878	55.878	33.732	27.834	32.807	
	P5	22.072	25.11	29.917	32.924	31.973	28.029	31.194	40.614	47.736	44.725	43.286	27.683	22.323	26.418	29.394	34.052	30.76	28.374	32.304	41.855	49.648	47.226	42.946	25.547	21.907	25.112	29.918	
	P95	33.758	42.456	45.218	51.729	48.768	44.712	50.161	63.952	77.047	71.927	72.929	40.964	33.974	43.234	45.493	53.359	47.711	46.981	48.496	66.212	77.943	70.745	68.433	42.3	35.392	42.457	51.730	
Hydro - Total	MEAN	180.052	182.569	187.173	202.004	198.327	184.366	208.676	234.199	268.251	266.924	245.067	203.863	180.015	182.582	187.176	202.015	198.272	184.414	208.648	234.219	268.227	266.962	245.06	203.838	180.048	182.574	187.179	
	P5	138.079	136.833	149.462	150.994	153.199	137.024	156.884	171.445	199.683	198.635	185.675	163.656	140.713	142.802	147.407	155.911	147.398	136.764	163.054	174.383	210.585	209.147	181.588	149.737	143.046	138.086	136.833	149.462
	P95	229.448	248.257	247.614	260.237	266.612	236.393	290.449	304.933	357.074	344.621	343.039	256.606	230.198	250.342	242.005	283.479	253.748	249.921	263.113	319.161	365.126	344.244	315.551	269.093	237.447	229.448	248.257	247.614
Load	MEAN	-559.336	-584.313	-611.13	-696.533	-695.983	-618.026	-613.773	-561.893	-565.015	-584.328	-685.107	-650.392	-565.719	-590.982	-618.105	-704.483	-703.874	-625.033	-628.732	-568.264	-571.421	-590.953	-692.875	-657.766	-572.134	-559.336	-584.313	
	P5	-570.026	-594.924	-623.15	-713.888	-735.344	-631.825	-626.308	-571.543	-572.778	-590.903	-708.521	-667.394	-574.418	-600.33	-630.177	-721.976	-732.409	-640.195	-636.795	-577.104	-581.19	-597.395	-718.432	-675.517	-582.425	-570.026	-594.924	
	P95	-551.42	-573.374	-599.452	-674.723	-659.263	-605.302	-599.049	-554.029	-557.609	-577.518	-658.637	-634.109	-557.729	-580.886	-603.788	-686.032	-671.563	-609.799	-605.71	-559.046	-563.938	-583.301	-668.157	-638.878	-562.131	-551.42	-573.374	
Morgan 5 09 RFP (HL)	MEAN																												
	P5																												
	P95																												
PPL 09 RFP (HL)	MEAN																												
	P5																												
	P95																												
Small QF1	MEAN	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	
	P5	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
	P95	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Small Tier II	MEAN																												
	P5																												
	P95																												
Tiber	MEAN																												
	P5																												
	P95																												
TransAlta 10 RFP (HL)	MEAN																												
	P5																												
	P95																												
Turnbull	MEAN	2.493	0.031																										
	P5	2.493	0.031																										
	P95	2.493	0.031																										
Physical Instrument - Total	MEAN	2.515	0.053	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	
	P5	2.515	0.053	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
	P95	2.515	0.053	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022	0.022
Deer Creek Solar	MEAN	0.606	0.433	0.203	0.157	0.176	0.307	0.465	0.645	0.697	0.774	0.899	0.82	0.603	0.43	0.202	0.156	0.175	0.306	0.462	0.642	0.694	0.77	0.895	0.816	0.6			
	P5	0.005	0.051	0.024	0.064	0.011	0.028	0.044	0.197	0.044	0.047	0.041	0.001	0.01	0.048	0.054	0.02	0.053	0.011	0.066	0.201	0.051	0.038	0.395	0.224	0.006			
	P95	1.068	0.896	0.623	0.349	0.519	0.787	0.892	1.035	1.167	1.255	1.218	1.15	1.051	0.899	0.603	0.396	0.573	0.806	0.877	1.047	1.159	1.249	1.198	1.147	1.061			
Distributed Generation	MEAN	3.621	2.734	1.843	1.866	2.45	3.55	4.088	4.636	4.167	4.521	3.91	2.953	1.991	1.649	2.016	2.646	3.834	4.415	5.007	5.292	5.747	5.016	4.223					
	P5	0.636	1.054	1.304	1.062	1.424	1.182	2.152	1.989	2.008	0.631	0.142	0.22	1.132	1.314	1.36	1.133	1.473	1.226	2.336	1.942	2.133	0.651	1.032	0.163	0.835			
	P95	6.94	4.864	2.649	2.082	2.435	4.222	5.046	6.859	8.537	9.399	8.95	7.555	5.127	2.799	2.191	2.738	4.649	5.631	7.556	9.211	10.474	10.382	9.431	8.052				
Fairfield	MEAN	2.054	3.62	3.758	3.867	4.303	2.72	3.45	3.442	1.946	2.129	1.757	1.627	2.054	3.62	3.758	3.861	3.693	2.228	3.047	2.663	1.616	1.916	1.423	1.351	1.621			
	P5	1.659	3.03	3.196	3.072	3.512	2.041	2.913	3.059	0.922	1.182	1.342	1.182	1.485	1.351	2.798	3.048	2.824	1.748	2.259	1.883	1.062	1.473	0.938	0.943	1.016			
	P95	2.538	4.117	4.429	4.607	5.26	3.412	3.997	3.966	1.734	2.626	2.193	2.018	2.57	4.277	4.42	4.778	4.713	3.063	3.802	3.413	2.151	2.418	1.969	1.959	2.185			
Gordon Butte	MEAN	2.393	3.662	4.617	4.906	5.572	3.862	4.147	1.698	2.393	3.862	4.147	1.698	2.393	3.862	4.147	1.698	2.393	3.862	4.147	1.698	2.393							

Net Position Report - Economically Optimal Portfolio - ATC (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	1.164	2.999	6.287	5.245	2.722	1.617	1.736	1.462	0.335	5.948	10.286	5.425	1.396	3.048	6.559
	P5	0.	0.067	0.689	0.562	0.275	0.067	0.022	0.	0.	0.101	3.231	0.156	0.	0.078	0.324
	P95	5.469	9.692	15.103	12.834	8.054	5.498	5.267	4.311	1.539	12.029	17.364	14.992	7.3	9.492	15.256
CELP	MEAN															
	P5															
	P95															
Colstrip 3	MEAN	73.292	71.66	75.485	74.905	67.602	71.772	61.025	5.458	12.043	65.186	73.371	70.02	74.344	71.942	76.921
	P5	58.243	58.514	61.21	57.35	54.636	54.24	42.422	2.581	6.086	49.505	59.659	54.702	59.645	54.467	63.888
	P95	82.025	79.403	82.171	82.404	74.232	81.056	75.291	7.111	17.129	77.888	80.917	78.665	81.979	79.453	82.422
Colstrip 4	MEAN	71.867	72.299	74.893	74.808	67.001	70.435	62.27	55.224	52.107	66.107	73.28	70.678	73.376	72.93	75.883
	P5	54.568	54.94	60.068	58.634	50.366	52.172	45.089	32.799	30.347	49.618	59.193	57.448	59.446	62.717	62.305
	P95	81.817	79.378	82.135	82.463	74.316	80.716	75.483	72.465	70.458	76.916	81.315	78.744	81.979	79.503	82.276
CX CCCT1	MEAN	180.912	186.095	211.585	191.799	161.969	124.746	69.305	41.705	7.363	126.953	192.834	188.532	181.505	188.58	212.441
	P5	143.663	145.044	179.341	155.906	128.819	89.001	40.733	14.96	0.	94.335	162.683	148.997	137.516	150.218	170.217
	P95	218.202	217.838	233.328	222.165	187.501	160.506	101.08	68.96	59.313	151.096	216.559	212.596	217.243	213.672	233.961
CX FrameCT1	MEAN	0.152	2.084	5.689	8.372	2.994	0.889	0.442	0.434		5.059	13.991	2.838	0.272	1.801	5.635
	P5	0.	0.	0.	0.	0.	0.	0.	0.		0.	1.461	0.	0.	0.	0.
	P95	1.254	13.057	22.44	20.908	11.237	5.353	2.601	2.232		16.187	29.212	14.632	0.	10.53	23.758
CX FrameCT1	MEAN	0.218	1.994	5.529	8.51	2.986	0.862	0.424	0.446		5.003	14.116	2.882	0.258	1.767	5.444
	P5	0.	0.	0.	0.	0.	0.	0.	0.		0.	1.484	0.	0.	0.	0.
	P95	1.254	11.748	22.868	21.774	10.608	5.514	2.601	2.73		15.464	28.334	14.458	0.	10.806	23.67
CX Recip1	MEAN	5.302	6.641	8.239	7.816	5.708	4.415	2.694	2.037	1.146	4.987	7.205	6.726	5.46	6.811	8.301
	P5	1.598	3.553	5.296	5.075	3.358	2.202	0.774	0.425	0.017	3.128	5.007	3.383	1.513	3.307	4.488
	P95	8.849	9.359	10.413	9.86	7.837	6.571	4.522	3.562	3.851	6.528	8.611	8.364	9.155	9.495	10.498
CX Recip10	MEAN	5.272	6.631	8.215	7.781	5.714	4.414	2.705	2.05	1.151	4.951	7.182	6.726	5.485	6.819	8.318
	P5	1.53	3.596	5.296	5.075	3.281	2.202	0.774	0.4	0.017	3.145	5.041	3.613	1.632	3.256	4.488
	P95	8.543	9.35	10.421	9.869	7.99	6.571	4.59	3.655	3.851	6.333	8.526	8.356	9.078	9.495	10.353
CX Recip2	MEAN	5.284	6.632	8.235	7.796	5.689	4.405	2.696	2.052	1.145	4.994	7.209	6.7	5.461	6.832	8.302
	P5	1.598	3.596	5.296	4.956	3.239	2.202	0.774	0.374	0.017	3.23	5.075	3.613	1.632	3.29	4.284
	P95	8.645	9.359	10.464	9.843	7.803	6.452	4.59	3.655	3.851	6.435	8.568	8.407	9.01	9.376	10.396
CX Recip3	MEAN	5.282	6.644	8.216	7.789	5.726	4.414	2.702	2.052	1.133	4.965	7.209	6.715	5.458	6.812	8.322
	P5	1.598	3.596	5.27	5.075	3.315	2.202	0.774	0.425	0.017	3.06	4.973	3.613	1.632	3.273	4.488
	P95	8.798	9.359	10.498	9.818	7.99	6.571	4.59	3.511	3.851	6.528	8.551	8.279	9.095	9.495	10.37
CX Recip4	MEAN	5.283	6.618	8.243	7.807	5.7	4.389	2.708	2.049	1.15	4.979	7.195	6.687	5.471	6.806	8.339
	P5	1.522	3.511	5.296	5.075	3.358	2.202	0.774	0.425	0.017	3.188	4.956	3.613	1.632	3.332	4.48
	P95	8.849	9.342	10.498	9.86	7.863	6.469	4.522	3.596	3.851	6.528	8.577	8.322	9.155	9.452	10.498
CX Recip5	MEAN	5.708	7.127	8.914	8.438	6.186	4.781	2.919	2.22	1.241	5.394	7.788	7.303	5.899	7.343	9.019
	P5	1.72	3.744	5.732	5.456	3.533	2.383	0.837	0.46	0.018	3.459	5.299	3.91	1.766	3.542	4.858
	P95	9.577	10.111	11.279	10.644	8.648	7.112	4.894	3.892	4.076	7.066	9.32	9.117	9.807	10.267	11.224
CX Recip6	MEAN	5.695	7.168	8.891	8.426	6.166	4.752	2.92	2.227	1.242	5.388	7.781	7.296	5.92	7.368	8.996
	P5	1.656	3.827	5.667	5.474	3.634	2.18	0.837	0.46	0.018	3.45	5.41	3.892	1.766	3.551	4.784
	P95	9.448	10.129	11.123	10.681	8.648	7.112	4.968	3.892	4.168	7.066	9.283	9.099	9.826	10.148	11.316
CX Recip7	MEAN	5.689	7.144	8.927	8.456	6.144	4.75	2.915	2.222	1.241	5.369	7.825	7.309	5.914	7.362	9.012
	P5	1.73	3.892	5.658	5.492	3.634	2.383	0.837	0.451	0.018	3.496	5.456	3.91	1.739	3.542	4.858
	P95	9.071	10.037	11.27	10.681	8.593	7.056	4.959	3.956	4.076	7.066	9.301	9.099	9.908	10.157	11.353
CX Recip8	MEAN	5.295	6.604	8.256	7.815	5.692	4.415	2.699	2.044	1.143	4.976	7.19	6.727	5.469	6.79	8.304
	P5	1.598	3.502	5.134	5.075	3.358	2.202	0.774	0.425	0.017	3.23	4.99	3.485	1.632	3.273	4.488
	P95	8.789	9.342	10.498	9.818	7.99	6.571	4.539	3.621	3.791	6.46	8.551	8.296	8.993	9.384	10.345
CX Recip9	MEAN	5.272	6.634	8.232	7.821	5.707	4.399	2.696	2.042	1.143	4.974	7.198	6.733	5.465	6.809	8.329
	P5	1.598	3.596	5.287	5.075	3.341	2.168	0.723	0.425	0.017	3.103	5.075	3.485	1.624	3.222	4.446
	P95	8.687	9.359	10.498	9.818	7.956	6.469	4.522	3.579	3.851	6.528	8.568	8.424	9.078	9.495	10.498
David Gates Generating Station	MEAN	37.066	43.629	55.852	51.247	38.455	34.495	33.312	31.533	25.354	46.105	58.88	53.462	38.66	44.484	56.774
	P5	23.72	27.1	36.995	36.42	26.46	25.733	25.05	23.595	21.6	30.945	46.683	33.	24.295	28.938	37.333
	P95	59.645	63.013	72.733	64.37	52.473	45.408	43.975	40.545	35.938	56.458	67.47	67.175	65.358	61.625	72.658
YELP	MEAN															
	P5															
	P95															
Black Eagle	MEAN	10.115	11.099	10.096	9.812	9.7	12.461	13.437	14.401	13.804	12.099	11.681	9.977	10.114	11.1	10.082
	P5	7.931	8.51	7.524	7.928	6.854	9.923	10.879	10.997	10.761	8.992	8.952	7.294	7.827	8.677	7.859
	P95	12.381	14.04	12.51	11.93	11.975	15.125	15.63	17.017	17.163	15.209	13.939	12.303	12.341	13.949	12.493
Cochrane	MEAN	15.573	17.186	21.084	20.997	19.724	22.919	25.893	31.079	32.072	25.278	21.453	18.665	15.569	17.191	21.053
	P5	7.385	7.223	8.862	10.581	8.237	11.091	13.842	14.959	15.036	8.662	9.606	7.638	7.48	7.828	9.28
	P95	27.058	29.467	39.981	37.003	33.969	40.123	41.883	48.547	57.462	49.917	37.583	34.893	30.324	30.992	38.4
Hauser	MEAN	11.088	10.492	10.881	10.734	9.956	11.	10.761	10.761	10.855	11.507	11.743	10.908	11.087	10.492	10.866
	P5	10.583	9.967	10.307	10.206	9.239	10.512	10.198	10.411	11.022	11.246	10.334	10.559	10.042	10.353	
	P95	11.555	10.987	11.366	11.285	10.456	11.459	11.139	11.206	11.46	11.967	12.127	11.397	11.527	10.939	11.32
Holter	MEAN	21.231	22.006	24.004	23.693	21.601	23.757	25.308	27.323	27.126	25.541	22.055	20.619	21.228	22.008	23.971
	P5	17.683	18.108	19.599	20.076	17.075	19.788	21.504	22.683	22.639	21.17	18.147	16.551	17.681	18.497	

Net Position Report - Economically Optimal Portfolio - ATC (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	1.389	1.423	0.698	0.662	0.981	2.471	5.752	5.944	5.752	5.944	5.944	5.746	1.389	1.423	0.697
	PS	1.374	1.405	0.693	0.633	0.969	2.446	5.711	5.895	5.714	5.899	5.903	5.688	1.376	1.405	0.691
	P95	1.402	1.444	0.706	0.687	0.992	2.495	5.796	5.99	5.791	5.984	5.985	5.796	1.403	1.443	0.705
Thompson Falls	MEAN	32.809	36.447	41.951	39.327	36.571	39.931	52.933	61.547	58.505	55.875	33.734	27.837	32.809	36.454	41.896
	PS	25.166	27.657	31.27	31.231	26.825	31.174	42.753	47.031	46.391	42.708	25.589	20.53	25.628	28.329	32.633
	P95	41.062	45.698	52.702	49.274	45.808	49.813	63.074	74.251	74.589	70.117	41.686	34.955	41.178	46.142	52.761
Hydro - Total	MEAN	182.576	187.162	202.019	198.286	184.39	208.67	234.219	268.227	266.96	245.03	203.86	180.062	182.547	187.187	201.738
	PS	138.85	138.698	144.5	149.875	128.984	156.656	183.338	201.575	201.579	179.888	152.078	130.202	138.954	142.326	150.351
	P95	233.742	243.269	275.465	265.174	243.031	274.018	296.927	334.05	358.015	329.563	263.689	237.956	245.508	246.978	273.035
Load	MEAN	-597.683	-625.114	-712.47	-711.81	-632.08	-627.731	-574.671	-577.863	-597.616	-700.687	-665.183	-578.584	-604.422	-632.162	-720.503
	PS	-607.604	-638.038	-729.792	-750.942	-644.585	-640.445	-585.416	-586.827	-604.362	-724.861	-682.152	-587.963	-611.916	-645.056	-736.056
	P95	-588.656	-611.099	-692.966	-675.53	-618.705	-613.923	-565.647	-570.291	-590.746	-676.799	-648.723	-570.505	-593.71	-619.155	-703.939
Morgan 5 09 RFP (HL)	MEAN															
	PS															
	P95															
PPL 09 RFP (HL)	MEAN															
	PS															
	P95															
Small QF1	MEAN															
	PS															
	P95															
Small Tier II	MEAN															
	PS															
	P95															
Tiber	MEAN															
	PS															
	P95															
TransAlta 10 RFP (HL)	MEAN															
	PS															
	P95															
Turnbull	MEAN															
	PS															
	P95															
Physical Instrument - Total	MEAN															
	PS															
	P95															
Deer Creek Solar	MEAN	0.428	0.201	0.155	0.174	0.304	0.46	0.639	0.69	0.766	0.89	0.812	0.597	0.426	0.2	0.154
	PS	0.04	0.03	0.056	0.01	0.029	0.063	0.139	0.06	0.013	0.344	0.247	0.003	0.045	0.031	0.057
	P95	0.915	0.585	0.35	0.536	0.793	0.867	1.047	1.146	1.251	1.226	1.134	1.059	0.899	0.571	0.362
Distributed Generation	MEAN	3.189	2.15	1.781	2.177	2.858	4.141	4.769	5.408	5.716	6.206	5.585	4.561	3.444	2.322	1.924
	PS	1.412	1.525	1.272	1.602	1.378	2.429	2.363	2.306	0.676	0.215	0.212	1.038	1.636	1.579	1.303
	P95	5.72	3.018	2.364	3.023	5.087	5.864	8.686	10.021	10.939	10.873	10.527	8.882	5.834	3.369	2.677
Fairfield	MEAN	2.812	3.474	3.459	3.566	2.214	3.028	2.693	1.615	1.897	1.379	1.341	1.618	2.8	3.395	3.451
	PS	2.132	2.718	2.472	2.683	1.527	2.361	1.996	1.184	1.429	0.974	0.955	1.098	2.103	2.739	2.518
	P95	3.638	4.295	4.404	4.4	2.899	3.71	3.377	2.09	2.363	1.822	1.878	2.019	3.387	4.217	4.469
Gordon Butte	MEAN	3.662	4.617	4.905	5.575	3.862	4.147	3.504	2.417	2.779	1.816	1.698	2.393	3.662	4.617	4.891
	PS	2.918	3.889	3.92	4.675	2.919	3.504	2.677	1.82	2.188	1.204	1.151	1.691	2.982	3.936	4.046
	P95	4.485	5.363	5.719	6.23	4.662	4.878	4.211	3.045	3.372	2.348	2.452	3.011	4.356	5.314	5.762
Green Meadow Solar	MEAN	0.354	0.199	0.143	0.18	0.276	0.482	0.588	0.697	0.704	0.837	0.708	0.563	0.352	0.198	0.143
	PS	0.032	0.085	0.066	0.08	0.075	0.124	0.111	0.086	0.015	0.282	0.031	0.02	0.046	0.075	0.071
	P95	0.731	0.437	0.267	0.338	0.588	0.768	0.965	1.023	1.144	1.137	1.092	0.976	0.697	0.369	0.266
Greenfield	MEAN	8.129	10.379	9.089	9.897	6.358	8.571	7.156	7.004	6.2	5.009	5.073	5.991	8.129	10.379	9.062
	PS	6.743	8.963	7.181	7.939	4.551	6.916	5.868	5.498	4.895	3.838	3.684	4.664	6.822	8.734	7.242
	P95	9.832	11.821	10.832	11.843	8.238	10.701	8.531	8.537	7.768	6.468	6.874	7.194	9.56	11.64	10.991
Judith Gap	MEAN															
	PS															
	P95															
Musselshell 1	MEAN	2.061	2.585	2.696	3.249	2.918	2.555	2.765	1.66	1.797	1.23	1.262	1.611	2.061	2.585	2.688
	PS	1.537	1.905	1.799	2.396	2.353	1.965	2.238	1.241	1.398	0.93	0.931	1.176	1.532	2.053	1.836
	P95	2.648	3.231	3.613	3.962	3.455	3.1	3.259	2.204	2.18	1.558	1.764	1.966	2.51	3.311	3.699
Musselshell 2	MEAN	2.379	3.152	3.08	3.573	3.274	2.972	3.256	2.061	2.121	1.466	1.572	1.974	2.379	3.152	3.07
	PS	1.738	2.364	2.097	2.627	2.654	2.313	2.646	1.55	1.623	1.098	1.166	1.44	1.799	2.509	2.257
	P95	3.088	3.898	3.938	4.307	3.858	3.595	3.801	2.635	2.586	1.877	2.154	2.377	2.923	3.895	4.056
Ragen Ranch Solar	MEAN	0.454	0.309	0.188	0.232	0.344	0.508	0.63	0.469	0.734	0.822	0.749	0.611	0.452	0.308	0.187
	PS	0.046	0.052	0.099	0.044	0.076	0.134	0.159	0.145	0.022	0.167	0.055	0.013	0.043	0.056	0.095
	P95	0.891	0.532	0.338	0.552	0.784	0.868	1.053	1.161	1.246	1.235	1.178	1.089	0.869	0.506	0.329
River Bend Solar	MEAN	0.252	0.14	0.111	0.118	0.188	0.314	0.376	0.47	0.493	0.549	0.471	0.366	0.25	0.14	0.11
	PS	0	0.001	0.028	0.004	0.005	0	0.016	0.144	0.141	0.344	0.191	0.006	0	0.001	0.026
	P95	0.554	0.375	0.269	0.318	0.435	0.584	0.662	0.717	0.768	0.724	0.704	0.652	0.541	0.385	0.273
South Mills Solar	MEAN	0.433	0.241	0.181	0.202	0.319	0.523	0.61	0.747	0.785	0.867	0.756	0.608	0.431	0.24	0.18
	PS	0.019	0.06	0.09	0.02	0.046	0.067	0.097	0.075	0.012	0.235	0.105	0.008	0.028	0.057	0.09
	P95	0.921	0.528	0.308	0.523	0.776	0.926	1.061	1.183	1.262	1.266	1.171	1.083	0.924	0.533	0.329
Spion Kop	MEAN	11.951	14.596	15.949	17.789	13.601	14.115	11.317	7.355	7.475	6.705	6.133	9.044	11.951	14.596	15.928
	PS	9.044	11.273	11.704	14.349	9.676	11.299	8.387	5.121	5.343	4.454	4.498	6.341	9.443	11.957	12.487
	P95	15.184	17.811	19.352	20.68	17.227	17.288	14.309	9.607	9.801	9.074	8.988	11.735	14.677	18.03	19.613
Two Dot Wind	MEAN	3.493	3.926	3.545	4.693	3.048	3.45	3.442	1.334	2.369	1.62	1.529	1.906	3.493	3.926	3.535
	PS	2.959	3.248	2.586	3.928	2.403	2.837	2.867	0.929	1.895	1.232	1.142	1.471	2.974	3.28	2.811
	P95	4.149	4.643	4.376	5.322	3.666	4.072	3.998	1.783	2.804	2.053	2.048	2.285	4.037		