

# EXHIBIT A

## AVOIDED COST CALCULATIONS

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**Avista Corp. (Washington/Idaho)**  
**Avoided Cost Calculation**  
 Base Case DSM Programs  
 Annual Impact  
 2002/03-2031/32

Year	(1)		(2)		(3)		(4)		Number of Years
	Nominal Annual Supply Cost Avoided	Nominal Transportation Cost Avoided	Nominal Cost per Therm	Real Cost per Therm	Nominal Net Present Value Avoided Cost	Real Net Present Value Avoided Cost	Nominal Levelized Avoided Cost	Real Levelized Avoided Cost	
2002/03	\$0.327	\$0.032	\$0.359	\$0.359	\$0.359	\$0.359	\$0.359	\$0.359	0
2003/04	\$0.360	\$0.033	\$0.393	\$0.383	\$0.722	\$0.722	\$0.375	\$0.371	1
2004/05	\$0.367	\$0.034	\$0.401	\$0.381	\$1.065	\$1.065	\$0.383	\$0.374	2
2005/06	\$0.371	\$0.035	\$0.406	\$0.376	\$1.385	\$1.385	\$0.388	\$0.374	3
2006/07	\$0.379	\$0.036	\$0.415	\$0.374	\$1.687	\$1.687	\$0.393	\$0.374	4
2007/08	\$0.388	\$0.037	\$0.425	\$0.374	\$1.974	\$1.974	\$0.397	\$0.374	5
2008/09	\$0.396	\$0.038	\$0.433	\$0.371	\$2.243	\$2.243	\$0.401	\$0.374	6
2009/10	\$0.402	\$0.039	\$0.441	\$0.368	\$2.497	\$2.497	\$0.405	\$0.373	7
2010/11	\$0.408	\$0.040	\$0.447	\$0.364	\$2.735	\$2.735	\$0.408	\$0.373	8
2011/12	\$0.414	\$0.041	\$0.454	\$0.361	\$2.958	\$2.958	\$0.411	\$0.372	9
2012/13	\$0.421	\$0.042	\$0.462	\$0.358	\$3.168	\$3.168	\$0.414	\$0.371	10
2013/14	\$0.429	\$0.043	\$0.471	\$0.355	\$3.365	\$3.365	\$0.417	\$0.370	11
2014/15	\$0.438	\$0.044	\$0.481	\$0.354	\$3.552	\$3.552	\$0.420	\$0.369	12
2015/16	\$0.448	\$0.045	\$0.493	\$0.353	\$3.728	\$3.728	\$0.423	\$0.368	13
2016/17	\$0.458	\$0.046	\$0.505	\$0.352	\$3.895	\$3.895	\$0.426	\$0.367	14
2017/18	\$0.470	\$0.047	\$0.517	\$0.352	\$4.054	\$4.054	\$0.429	\$0.367	15
2018/19	\$0.483	\$0.049	\$0.532	\$0.353	\$4.204	\$4.204	\$0.432	\$0.366	16
2019/20	\$0.497	\$0.050	\$0.547	\$0.354	\$4.347	\$4.347	\$0.435	\$0.366	17
2020/21	\$0.513	\$0.051	\$0.564	\$0.355	\$4.483	\$4.483	\$0.438	\$0.365	18
2021/22	\$0.529	\$0.053	\$0.582	\$0.357	\$4.612	\$4.612	\$0.441	\$0.365	19
2022/23	\$0.548	\$0.054	\$0.602	\$0.360	\$4.736	\$4.736	\$0.444	\$0.365	20
2023/24	\$0.567	\$0.055	\$0.623	\$0.363	\$4.855	\$4.855	\$0.447	\$0.365	21
2024/25	\$0.588	\$0.057	\$0.645	\$0.367	\$4.968	\$4.968	\$0.451	\$0.365	22
2025/26	\$0.611	\$0.058	\$0.669	\$0.371	\$5.077	\$5.077	\$0.454	\$0.365	23
2026/27	\$0.635	\$0.060	\$0.694	\$0.375	\$5.181	\$5.181	\$0.457	\$0.365	24
2027/28	\$0.659	\$0.061	\$0.720	\$0.379	\$5.281	\$5.281	\$0.460	\$0.366	25
2028/29	\$0.684	\$0.063	\$0.747	\$0.383	\$5.377	\$5.377	\$0.463	\$0.366	26
2029/30	\$0.710	\$0.065	\$0.774	\$0.387	\$5.469	\$5.469	\$0.466	\$0.366	27
2030/31	\$0.737	\$0.066	\$0.803	\$0.391	\$5.557	\$5.557	\$0.470	\$0.367	28
2031/32	\$0.765	\$0.068	\$0.833	\$0.396	\$5.641	\$5.641	\$0.473	\$0.367	29
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(1) Assumes firm transportation at 100% annual load factor.  
 (2) Real Avoided Cost per Therm formula: Avoided Cost per Therm divided by (1 plus Domestic Demand) to the "n"th power.  
 (3) Net Present Value formula: NPV(Real Discount Rate,string of values of years analyzed)  
 (4) Levelized Rate formula: PMT(Real Discount Rate, Years,NPV)  
 Domestic Demand Deflator = 2.6%  
 Real Discount Rate = 5.47%  
 Nominal Discount Rate = 8.22%

**Avista Corp. (Washington/Idaho)**  
**Avoided Cost Calculation**  
 Base Case DSM Programs  
 Winter Impact  
 2002/03-2031/32

Year	(1)		(2)		(3)		(4)		(3)		(4)	
	Nominal Winter Supply Cost Avoided	Nominal Transportation Cost Avoided	Nominal Avoided Cost per Therm	Real Avoided Cost per Therm	Nominal Net Present Value Avoided Cost	Real Net Present Value Avoided Cost	Nominal Levelized Cost Avoided Cost	Real Levelized Cost Avoided Cost	Real Net Present Value Avoided Cost	Real Levelized Cost Avoided Cost	Number of Years	
2002/03	\$0.336	\$0.058	\$0.394	\$0.394	\$0.394	\$0.394	\$0.394	\$0.394	\$0.394	\$0.394	0	
2003/04	\$0.385	\$0.059	\$0.444	\$0.433	\$0.804	\$0.804	\$0.418	\$0.413	\$0.804	\$0.413	1	
2004/05	\$0.397	\$0.061	\$0.458	\$0.435	\$1.195	\$1.195	\$0.430	\$0.420	\$1.195	\$0.420	2	
2005/06	\$0.401	\$0.062	\$0.463	\$0.429	\$1.561	\$1.561	\$0.438	\$0.422	\$1.561	\$0.422	3	
2006/07	\$0.408	\$0.064	\$0.472	\$0.426	\$1.905	\$1.905	\$0.443	\$0.423	\$1.905	\$0.423	4	
2007/08	\$0.418	\$0.066	\$0.483	\$0.425	\$2.230	\$2.230	\$0.449	\$0.423	\$2.230	\$0.423	5	
2008/09	\$0.426	\$0.067	\$0.494	\$0.423	\$2.538	\$2.538	\$0.454	\$0.423	\$2.538	\$0.423	6	
2009/10	\$0.434	\$0.069	\$0.502	\$0.420	\$2.827	\$2.827	\$0.458	\$0.423	\$2.827	\$0.423	7	
2010/11	\$0.440	\$0.071	\$0.511	\$0.416	\$3.098	\$3.098	\$0.462	\$0.422	\$3.098	\$0.422	8	
2011/12	\$0.446	\$0.073	\$0.519	\$0.412	\$3.353	\$3.353	\$0.466	\$0.421	\$3.353	\$0.421	9	
2012/13	\$0.454	\$0.075	\$0.528	\$0.409	\$3.592	\$3.592	\$0.470	\$0.420	\$3.592	\$0.420	10	
2013/14	\$0.462	\$0.076	\$0.538	\$0.406	\$3.818	\$3.818	\$0.474	\$0.419	\$3.818	\$0.419	11	
2014/15	\$0.471	\$0.078	\$0.550	\$0.404	\$4.031	\$4.031	\$0.477	\$0.418	\$4.031	\$0.418	12	
2015/16	\$0.482	\$0.080	\$0.562	\$0.403	\$4.233	\$4.233	\$0.480	\$0.417	\$4.233	\$0.417	13	
2016/17	\$0.493	\$0.083	\$0.576	\$0.402	\$4.423	\$4.423	\$0.484	\$0.416	\$4.423	\$0.416	14	
2017/18	\$0.506	\$0.085	\$0.590	\$0.402	\$4.604	\$4.604	\$0.487	\$0.415	\$4.604	\$0.415	15	
2018/19	\$0.519	\$0.087	\$0.606	\$0.402	\$4.775	\$4.775	\$0.491	\$0.414	\$4.775	\$0.414	16	
2019/20	\$0.534	\$0.089	\$0.623	\$0.403	\$4.938	\$4.938	\$0.494	\$0.413	\$4.938	\$0.413	17	
2020/21	\$0.551	\$0.091	\$0.642	\$0.405	\$5.093	\$5.093	\$0.498	\$0.412	\$5.093	\$0.412	18	
2021/22	\$0.569	\$0.094	\$0.663	\$0.407	\$5.240	\$5.240	\$0.501	\$0.411	\$5.240	\$0.411	19	
2022/23	\$0.588	\$0.096	\$0.684	\$0.410	\$5.381	\$5.381	\$0.505	\$0.410	\$5.381	\$0.410	20	
2023/24	\$0.609	\$0.099	\$0.708	\$0.413	\$5.516	\$5.516	\$0.508	\$0.409	\$5.516	\$0.409	21	
2024/25	\$0.632	\$0.101	\$0.733	\$0.417	\$5.645	\$5.645	\$0.512	\$0.408	\$5.645	\$0.408	22	
2025/26	\$0.656	\$0.104	\$0.760	\$0.421	\$5.768	\$5.768	\$0.516	\$0.407	\$5.768	\$0.407	23	
2026/27	\$0.681	\$0.107	\$0.788	\$0.425	\$5.887	\$5.887	\$0.519	\$0.406	\$5.887	\$0.406	24	
2027/28	\$0.707	\$0.110	\$0.816	\$0.430	\$6.000	\$6.000	\$0.523	\$0.405	\$6.000	\$0.405	25	
2028/29	\$0.734	\$0.112	\$0.846	\$0.434	\$6.109	\$6.109	\$0.526	\$0.404	\$6.109	\$0.404	26	
2029/30	\$0.762	\$0.115	\$0.877	\$0.438	\$6.212	\$6.212	\$0.530	\$0.403	\$6.212	\$0.403	27	
2030/31	\$0.790	\$0.118	\$0.909	\$0.443	\$6.312	\$6.312	\$0.533	\$0.402	\$6.312	\$0.402	28	
2031/32	\$0.820	\$0.121	\$0.942	\$0.447	\$6.407	\$6.407	\$0.537	\$0.401	\$6.407	\$0.401	29	

(1) Assumes firm transportation at 56% annual load factor.

(2) Real Avoided Cost per Therm formula: Avoided Cost per (151/365)+((365-151)\*0.25/365)

(3) Net Present Value formula: NPV(Real Discount Rate,string of values of years analyzed)

(4) Levelized Rate formula: PMT(Real Discount Rate, Years,NPV)

Domestic Demand Deflator = 2.6%

Real Discount Rate = 5.47%

Nominal Discount Rate = 8.22%

**Avista Corp. (Oregon)**  
**Avoided Cost Calculation**  
 Base Case DSM Programs  
 Annual Impact  
 2002/03-2031/32

Year	Nominal Annual Supply Cost Avoided	(1) Nominal Transportation Cost Avoided		Nominal Conservation Cost Adder		(2) Nominal Avoided Cost per Therm		(3) Nominal Net Present Value Avoided Cost		(4) Nominal Levelized Cost Avoided Cost		(3) Real Net Present Value Avoided Cost		(4) Real Levelized Cost Avoided Cost		Number of Years
		Cost	Cost	Cost	Cost	Cost	Cost	Value	Value	Cost	Cost	Value	Value	Cost	Cost	
2002/03	\$0.327	\$0.032	\$0.036	\$0.035	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	\$0.395	0
2003/04	\$0.360	\$0.033	\$0.039	\$0.432	\$0.432	\$0.421	\$0.421	\$0.794	\$0.794	\$0.413	\$0.413	\$0.794	\$0.794	\$0.408	\$0.408	1
2004/05	\$0.367	\$0.034	\$0.040	\$0.441	\$0.441	\$0.419	\$0.419	\$1.171	\$1.171	\$0.422	\$0.422	\$1.171	\$1.171	\$0.411	\$0.411	2
2005/06	\$0.371	\$0.035	\$0.041	\$0.447	\$0.447	\$0.414	\$0.414	\$1.524	\$1.524	\$0.427	\$0.427	\$1.524	\$1.524	\$0.412	\$0.412	3
2006/07	\$0.379	\$0.036	\$0.041	\$0.456	\$0.456	\$0.412	\$0.412	\$1.856	\$1.856	\$0.432	\$0.432	\$1.856	\$1.856	\$0.412	\$0.412	4
2007/08	\$0.388	\$0.037	\$0.042	\$0.467	\$0.467	\$0.411	\$0.411	\$2.171	\$2.171	\$0.437	\$0.437	\$2.171	\$2.171	\$0.412	\$0.412	5
2008/09	\$0.396	\$0.038	\$0.043	\$0.477	\$0.477	\$0.409	\$0.409	\$2.468	\$2.468	\$0.441	\$0.441	\$2.468	\$2.468	\$0.411	\$0.411	6
2009/10	\$0.402	\$0.039	\$0.044	\$0.485	\$0.485	\$0.405	\$0.405	\$2.747	\$2.747	\$0.445	\$0.445	\$2.747	\$2.747	\$0.411	\$0.411	7
2010/11	\$0.408	\$0.040	\$0.045	\$0.492	\$0.492	\$0.401	\$0.401	\$3.008	\$3.008	\$0.449	\$0.449	\$3.008	\$3.008	\$0.410	\$0.410	8
2011/12	\$0.414	\$0.041	\$0.045	\$0.500	\$0.500	\$0.397	\$0.397	\$3.254	\$3.254	\$0.453	\$0.453	\$3.254	\$3.254	\$0.409	\$0.409	9
2012/13	\$0.421	\$0.042	\$0.046	\$0.509	\$0.509	\$0.394	\$0.394	\$3.485	\$3.485	\$0.456	\$0.456	\$3.485	\$3.485	\$0.408	\$0.408	10
2013/14	\$0.429	\$0.043	\$0.047	\$0.519	\$0.519	\$0.391	\$0.391	\$3.702	\$3.702	\$0.459	\$0.459	\$3.702	\$3.702	\$0.407	\$0.407	11
2014/15	\$0.438	\$0.044	\$0.048	\$0.530	\$0.530	\$0.389	\$0.389	\$3.907	\$3.907	\$0.462	\$0.462	\$3.907	\$3.907	\$0.406	\$0.406	12
2015/16	\$0.448	\$0.045	\$0.049	\$0.542	\$0.542	\$0.388	\$0.388	\$4.101	\$4.101	\$0.466	\$0.466	\$4.101	\$4.101	\$0.405	\$0.405	13
2016/17	\$0.458	\$0.046	\$0.050	\$0.555	\$0.555	\$0.387	\$0.387	\$4.285	\$4.285	\$0.469	\$0.469	\$4.285	\$4.285	\$0.404	\$0.404	14
2017/18	\$0.470	\$0.047	\$0.052	\$0.569	\$0.569	\$0.387	\$0.387	\$4.459	\$4.459	\$0.472	\$0.472	\$4.459	\$4.459	\$0.403	\$0.403	15
2018/19	\$0.483	\$0.049	\$0.053	\$0.585	\$0.585	\$0.388	\$0.388	\$4.624	\$4.624	\$0.475	\$0.475	\$4.624	\$4.624	\$0.403	\$0.403	16
2019/20	\$0.497	\$0.050	\$0.055	\$0.602	\$0.602	\$0.389	\$0.389	\$4.781	\$4.781	\$0.479	\$0.479	\$4.781	\$4.781	\$0.402	\$0.402	17
2020/21	\$0.513	\$0.051	\$0.056	\$0.620	\$0.620	\$0.391	\$0.391	\$4.931	\$4.931	\$0.482	\$0.482	\$4.931	\$4.931	\$0.402	\$0.402	18
2021/22	\$0.529	\$0.053	\$0.058	\$0.640	\$0.640	\$0.393	\$0.393	\$5.074	\$5.074	\$0.485	\$0.485	\$5.074	\$5.074	\$0.402	\$0.402	19
2022/23	\$0.548	\$0.054	\$0.060	\$0.662	\$0.662	\$0.396	\$0.396	\$5.210	\$5.210	\$0.489	\$0.489	\$5.210	\$5.210	\$0.402	\$0.402	20
2023/24	\$0.567	\$0.055	\$0.062	\$0.685	\$0.685	\$0.400	\$0.400	\$5.340	\$5.340	\$0.492	\$0.492	\$5.340	\$5.340	\$0.402	\$0.402	21
2024/25	\$0.588	\$0.057	\$0.065	\$0.710	\$0.710	\$0.404	\$0.404	\$5.465	\$5.465	\$0.496	\$0.496	\$5.465	\$5.465	\$0.402	\$0.402	22
2025/26	\$0.611	\$0.058	\$0.067	\$0.736	\$0.736	\$0.408	\$0.408	\$5.585	\$5.585	\$0.499	\$0.499	\$5.585	\$5.585	\$0.402	\$0.402	23
2026/27	\$0.635	\$0.060	\$0.069	\$0.764	\$0.764	\$0.413	\$0.413	\$5.700	\$5.700	\$0.503	\$0.503	\$5.700	\$5.700	\$0.402	\$0.402	24
2027/28	\$0.659	\$0.061	\$0.072	\$0.792	\$0.792	\$0.417	\$0.417	\$5.809	\$5.809	\$0.506	\$0.506	\$5.809	\$5.809	\$0.402	\$0.402	25
2028/29	\$0.684	\$0.063	\$0.075	\$0.821	\$0.821	\$0.421	\$0.421	\$5.915	\$5.915	\$0.510	\$0.510	\$5.915	\$5.915	\$0.403	\$0.403	26
2029/30	\$0.710	\$0.065	\$0.077	\$0.852	\$0.852	\$0.426	\$0.426	\$6.016	\$6.016	\$0.513	\$0.513	\$6.016	\$6.016	\$0.403	\$0.403	27
2030/31	\$0.737	\$0.066	\$0.080	\$0.883	\$0.883	\$0.430	\$0.430	\$6.112	\$6.112	\$0.517	\$0.517	\$6.112	\$6.112	\$0.403	\$0.403	28
2031/32	\$0.765	\$0.068	\$0.083	\$0.916	\$0.916	\$0.435	\$0.435	\$6.205	\$6.205	\$0.520	\$0.520	\$6.205	\$6.205	\$0.404	\$0.404	29
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(1) Assumes firm transportation at 100% annual load factor.

(2) Present Value formula: Cost per Therm divided by (1 plus Real Discount Rate) to the "n"th power.

(3) Net Present Value formula: NPV(Real Discount Rate, string of values of years analyzed)

(4) Levelized Rate formula: PMT(Real Discount Rate, Years, NPV)

Domestic Demand Deflator = 2.6%

Real Discount Rate = 5.47%

Nominal Discount Rate = 8.22%

**Avista Corp. (Oregon)**  
**Avoided Cost Calculation**  
 Base Case DSM Programs  
 Winter Impact  
 2002/03-2031/32

Year	(1)		(2)		(3)		(4)		Number of Years
	Nominal Winter Supply Cost Avoided	Nominal Transportation Cost Avoided	Nominal Conservation Cost Adder	Nominal Avoided Cost per Therm	Real Avoided Cost per Therm	Nominal Net Present Value Avoided Cost	Nominal Levelized Cost Avoided Cost	Real Net Present Value Avoided Cost	
2002/03	\$0.336	\$0.058	\$0.039	\$0.433	\$0.433	\$0.433	\$0.433	\$0.433	0
2003/04	\$0.385	\$0.059	\$0.044	\$0.489	\$0.477	\$0.885	\$0.460	\$0.885	1
2004/05	\$0.397	\$0.061	\$0.046	\$0.503	\$0.478	\$1.315	\$0.473	\$1.315	2
2005/06	\$0.401	\$0.062	\$0.046	\$0.510	\$0.472	\$1.717	\$0.481	\$1.717	3
2006/07	\$0.408	\$0.064	\$0.047	\$0.519	\$0.468	\$2.095	\$0.488	\$2.095	4
2007/08	\$0.418	\$0.066	\$0.048	\$0.532	\$0.467	\$2.453	\$0.494	\$2.453	5
2008/09	\$0.426	\$0.067	\$0.049	\$0.543	\$0.465	\$2.791	\$0.499	\$2.791	6
2009/10	\$0.434	\$0.069	\$0.050	\$0.553	\$0.462	\$3.109	\$0.504	\$3.109	7
2010/11	\$0.440	\$0.071	\$0.051	\$0.562	\$0.457	\$3.408	\$0.509	\$3.408	8
2011/12	\$0.446	\$0.073	\$0.052	\$0.571	\$0.453	\$3.688	\$0.513	\$3.688	9
2012/13	\$0.454	\$0.075	\$0.053	\$0.581	\$0.449	\$3.952	\$0.517	\$3.952	10
2013/14	\$0.462	\$0.076	\$0.054	\$0.592	\$0.446	\$4.200	\$0.521	\$4.200	11
2014/15	\$0.471	\$0.078	\$0.055	\$0.605	\$0.444	\$4.434	\$0.525	\$4.434	12
2015/16	\$0.482	\$0.080	\$0.056	\$0.618	\$0.443	\$4.656	\$0.529	\$4.656	13
2016/17	\$0.493	\$0.083	\$0.058	\$0.633	\$0.442	\$4.865	\$0.532	\$4.865	14
2017/18	\$0.506	\$0.085	\$0.059	\$0.649	\$0.442	\$5.064	\$0.536	\$5.064	15
2018/19	\$0.519	\$0.087	\$0.061	\$0.667	\$0.442	\$5.252	\$0.540	\$5.252	16
2019/20	\$0.534	\$0.089	\$0.062	\$0.686	\$0.443	\$5.432	\$0.544	\$5.432	17
2020/21	\$0.551	\$0.091	\$0.064	\$0.706	\$0.445	\$5.602	\$0.548	\$5.602	18
2021/22	\$0.569	\$0.094	\$0.066	\$0.729	\$0.448	\$5.764	\$0.551	\$5.764	19
2022/23	\$0.588	\$0.096	\$0.068	\$0.753	\$0.451	\$5.919	\$0.555	\$5.919	20
2023/24	\$0.609	\$0.099	\$0.071	\$0.779	\$0.454	\$6.068	\$0.559	\$6.068	21
2024/25	\$0.632	\$0.101	\$0.073	\$0.806	\$0.458	\$6.210	\$0.563	\$6.210	22
2025/26	\$0.656	\$0.104	\$0.076	\$0.836	\$0.463	\$6.345	\$0.567	\$6.345	23
2026/27	\$0.681	\$0.107	\$0.079	\$0.866	\$0.468	\$6.475	\$0.571	\$6.475	24
2027/28	\$0.707	\$0.110	\$0.082	\$0.898	\$0.473	\$6.600	\$0.575	\$6.600	25
2028/29	\$0.734	\$0.112	\$0.085	\$0.931	\$0.477	\$6.719	\$0.579	\$6.719	26
2029/30	\$0.762	\$0.115	\$0.088	\$0.964	\$0.482	\$6.834	\$0.583	\$6.834	27
2030/31	\$0.790	\$0.118	\$0.091	\$1.000	\$0.487	\$6.943	\$0.587	\$6.943	28
2031/32	\$0.820	\$0.121	\$0.094	\$1.036	\$0.492	\$7.048	\$0.591	\$7.048	29
									30

(1) Assumes firm transportation at 56% annual load factor.  
 (2) Present Value formula: Cost per Therm divided by  $(1 + p)^n$  (15/365)+(365-151)\*0.25/365  
 (3) Net Present Value formula: NPV(Real Discount Rate, string of values of years analyzed)  
 (4) Levelized Rate formula: PMT(Real Discount Rate, Years, NPV)  
 Domestic Demand Deflator = 2.6%  
 Real Discount Rate = 5.47%  
 Nominal Discount Rate = 8.22%

# EXHIBIT B

## COST AND FLOW SUMMARY

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NOV 2003 thru OCT 2004

Cost and Flow Summary

Units: MDT

Supply Costs	Storage Costs	Transportation Costs	Peak Subperiod
Commodity Cost 151357.	Injection Cost 176.584	Transportation Cost 1288.34	FEB 15, 2004
Penalty Cost 0.0000	Withdrawal Cost 9.3247	Other Variable Cost 0.0000	System Served
Other Variable Cost -949.02	Carrying Cost 528.982		System Unserved
	Other Variable Cost 0.0000		System Demand
Total Variable 150408.	Total Variable 714.890	Total Variable 1288.34	Market Served
	Demand Cost 551.740	Demand Cost 42316.7	Market Unserved
Demand/Reservation C 4091.46	Other Fixed Cost 2148.32	Other Fixed Cost 0.0000	Market Demand
Other Fixed Cost 0.0000	Total Fixed 2700.06	Total Fixed 42316.7	Total
Total Fixed 4091.46			
Sup Release Revenue 0.0000	Sto Release Revenue 0.0000	Cap Release Revenue -3504.0	
Total Supply Cost 154500.	Total Storage Cost 3414.95	Total Trans Cost 40100.9	System Cost 198016.359
Avg Cost of Served Demand 4.873 \$/DT	Avg Cost of Gas Purchased 3.701 \$/DT		
(System Cost/Served Dem.)	(Supply Cost/LDC Purchase)		

Class	Demand Before DSM	DSM Impact	Net Demand	Imbalance Served	Demand Summary After Unb.	Supplied	Unsupplied	Unsupplied Cost (K\$)	Units: MDT
SLS_RES_OR	5731.959	0.000	5731.959	0.000	5731.959	5731.959	0.000	0.0000	
SLS_CML_OR	3932.657	0.000	3932.657	0.000	3932.657	3932.657	0.000	0.0000	
SLS_FRM_OR	59.754	0.000	59.754	0.000	59.754	59.754	0.000	0.0000	
SLS_INT_OR	525.940	0.000	525.940	0.000	525.940	525.940	0.000	0.0000	
TSP_INT_OR	4111.879	0.000	4111.879	0.000	4111.879	4111.879	0.000	0.0000	
SLS_RES_CA	1499.062	0.000	1499.062	0.000	1499.062	1499.062	0.000	0.0000	
SLS_CML_CA	665.530	0.000	665.530	0.000	665.530	665.530	0.000	0.0000	
TSP_INT_CA	79.359	0.000	79.359	0.000	79.359	79.359	0.000	0.0000	
SLS_RES_WA	16470.287	0.000	16470.287	0.000	16470.287	16470.287	0.000	0.0000	
SLS_CML_WA	10551.545	0.000	10551.545	0.000	10551.545	10551.545	0.000	0.0000	
SLS_FRM_WA	1055.002	0.000	1055.002	0.000	1055.002	1055.002	0.000	0.0000	
SLS_INT_WA	143.343	0.000	143.343	0.000	143.343	143.343	0.000	0.0000	
TSP_FRM_WA	6388.184	0.000	6388.184	0.000	6388.184	6388.184	0.000	0.0000	
TSP_INT_WA	8413.851	0.000	8413.851	0.000	8413.851	8413.851	0.000	0.0000	
Total	59628.351	0.000	59628.351	0.000	59628.351	59628.351	0.000	0.0000	
Enduser			18993.273				0.000	0.0000	
Net Total			40635.078				0.000	0.0000	

NOV 2003 thru OCT 2004

Cost and Flow Summary

Units: MDT

Supply Summary

Units: MDT

Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Total Cost	Average Tot Cost
Hedged AECO	6228.000	6228.000	0.000			3.7780	23529.5405	0.0000	23529.5405	3.7780
Hedged US	2291.000	2291.000	0.000			3.8397	8796.7877	0.0000	8796.7877	3.8397
Hedged Sumas	2291.000	2291.000	0.000			4.1693	9551.7955	0.0000	9551.7955	4.1693
A1 index	6740.505	6935.000	194.495			3.5611	23344.0426	679.2215	24023.2641	3.5640
A2 index	3212.520	3212.520	0.000		0.000	3.7454	11743.1132	337.6908	12080.8040	3.7605
A3 index	5694.000	5694.000	0.000			2.9243	16651.2463	3074.5520	19725.7983	3.4643
N_SPOT_SUMAS	212.622	365634.000	365421.378			3.7769	803.0576	0.0000	803.0576	3.7769
N_SPOT_ROCK	9584.980	365634.000	356049.020			3.6467	34953.1775	0.0000	34953.1775	3.6467
P_SPOT_AECO	5469.575	365634.000	360164.425			3.8287	20941.3995	0.0000	20941.3995	3.8287
P_SPOT_KNGGA	23.427	365634.000	365610.573			4.0460	94.7837	0.0000	94.7837	4.0460
BC_WIL_PK	0.000	2102.500	2102.500			0.0000	0.0000	0.0000	0.0000	0.0000
SF_WIL_PK	0.000	2102.500	2102.500			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_W	8330.146	8330.146	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_K	397.313	397.313	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_L	479.367	479.367	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_M	1817.513	1817.513	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_GP	605.838	605.838	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_R	701.955	701.955	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_S	63.191	63.191	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_FIRM_W	6388.184	6388.184	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
Total	60531.136					150408.944	4091.4643	154500.408		

Enduser	18783.507
LDC Purchase	41747.629

Storage Summary

Units: MDT

Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
JP_WA	2487	100	2856.000	2822.300	0	33.701	2487	100	0.000	0	7687.2555	8335.16	647.9123
JP_OR	94	100	95.590	94.462	0	1.128	94	100	0.000	0	289.7325	314.854	25.1219
LNG_WA	153	100	113.574	110.000	0	3.574	153	100	0.000	0	487.6147	574.400	86.7854
LNG_OR	172	100	169.502	165.061	0	4.441	172	100	0.000	0	565.9295	697.763	131.8335
LNG_CA	86	100	53.797	50.791	0	11.297	78	90	1.524	-8	290.0331	296.973	6.9407
Total	2993	100	3288.463	3242.614	0	54.141	2985	100	1.524	-8	9320.5652	10219.1	898.5938

NOV 2003 thru OCT 2004

Cost and Flow Summary

Units: MDT

Transportation Summary

Units: MDT

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Tot Cost	Average Tot Cost
NOVA_ANG	18438.080	0.000	18438.080	38502.834	20064.754	15.5136	4608.2632	0.0000	4623.7768	0.2508
ANG_PGT	21650.600	195.267	21455.333	40369.617	18719.017	146.1511	2263.4208	0.0000	2409.5719	0.1113
PGT_IT_WA	0.000	0.000	0.000	21744.000	21744.000	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_T1_WA	1497.584	7.623	1489.961	7606.212	6108.628	5.8406	382.3057	0.0000	388.1463	0.2592
PGT_T1X_WA	6751.484	34.365	6717.119	9150.000	2398.516	24.9144	635.9500	0.0000	660.8644	0.0979
PGT_T3_WA	12507.094	63.661	12443.433	15522.609	3015.515	46.1188	1381.7990	0.0000	1427.9178	0.1142
PGT_STFLD_WA	0.000	0.000	0.000	365634.000	365634.000	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_TNSKA_WA	0.000	0.000	0.000	365634.000	365634.000	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_STARR_WA	2129.940	0.000	2129.940	365634.000	363504.060	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_TOT_WWP	18520.573	0.000	18520.573	32281.557	13760.984	139.9646	0.0000	0.0000	139.9646	0.0076
NWP_SF_TFLWA	22.453	0.335	22.119	3660.000	3637.547	0.7903	0.0000	0.0000	0.7903	0.0352
NWP_ST_TFLWA	2129.940	31.736	2098.204	23560.518	21430.578	74.9714	0.0000	0.0000	74.9714	0.0352
NWP_US_TFLWA	7815.012	116.444	7698.568	13787.952	5972.940	275.0302	0.0000	0.0000	275.0302	0.0352
NWP_BC_TFLWA	68.523	1.021	67.502	9427.794	9359.271	2.4120	0.0000	0.0000	2.4120	0.0352
NWPTF1_WWP	6916.819	0.000	6916.819	32418.084	25501.265	50.5986	14759.3858	0.0000	14809.9844	2.1412
NWP_WWP	1233.551	0.000	1233.551	365634.000	364400.449	0.0000	0.0000	0.0000	0.0000	0.0000
JPTF1_WWP	0.000	0.000	0.000	4904.400	4904.400	0.0000	0.0000	0.0000	0.0000	0.0000
JPTF2_WWP	2426.270	36.151	2390.119	2426.270	0.0000	83.4925	736.5288	0.0000	820.0213	0.3380
JPSUMAS_WWP	373.576	5.566	368.010	11124.204	10756.194	13.8372	0.0000	0.0000	13.8372	0.0370
JP_STFLD_WA	22.453	0.000	22.453	365634.000	365611.547	0.0000	0.0000	0.0000	0.0000	0.0000
LANGTF2_WWP	110.000	1.639	108.361	8052.000	7942.000	3.8390	46.5386	0.0000	50.3776	0.4580
NWP_BC_TFLOR	1527.510	22.760	1504.750	4947.222	3419.712	53.7580	0.0000	0.0000	53.7580	0.0352
NWP_US_TFLOR	2681.749	39.958	2641.791	2837.964	156.215	94.3735	0.0000	0.0000	94.3735	0.0352
NWP_SF_TFLOR	356.414	5.311	351.103	3660.000	3303.586	12.5458	0.0000	0.0000	12.5458	0.0352
NWPTF1_TOTOR	4660.246	0.000	4660.246	19294.422	14634.176	0.0000	5067.2783	0.0000	5067.2783	1.0873
NWP_KLF_OR	502.355	7.485	494.870	4187.040	3684.685	20.9228	0.0000	0.0000	20.9228	0.0416
NWP_ROS_OR	934.369	0.000	934.369	4960.398	4026.029	6.8418	0.0000	0.0000	6.8418	0.0073
NWP_GP_OR	1582.593	0.000	1582.593	365268.000	363685.407	11.5344	0.0000	0.0000	11.5344	0.0073
NWP_ROSGP_OR	2516.962	0.000	2516.962	10108.920	7591.958	0.0000	0.0000	0.0000	0.0000	0.0000
NWP_MED_OR	155.979	0.000	155.979	365634.000	365478.021	0.0000	0.0000	0.0000	0.0000	0.0000
NWPTOT_RS_OR	926.677	0.000	926.677	3154.920	2228.243	6.7234	0.0000	0.0000	6.7234	0.0073
NWPTOT_LG_OR	1044.570	0.000	1044.570	3330.600	2286.030	7.6219	0.0000	0.0000	7.6219	0.0073
PGTWP_SF_OR	356.414	0.000	356.414	365634.000	365277.586	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_IT_OR	14.408	0.406	14.002	18534.972	18520.564	4.0601	0.0000	0.0000	4.0601	0.2818
PGT_T1_OR	118.002	3.323	114.679	2613.240	2495.238	1.2862	475.9096	0.0000	477.1958	4.0440
PGT_T1X_OR	5077.379	142.989	4934.389	7671.000	2593.621	53.6435	1924.7010	0.0000	1978.3445	0.3896
PGT_T3_OR	1206.809	33.986	1172.822	1211.460	4.651	12.5921	388.6297	0.0000	401.2218	0.3325
PGT_NWPKF	502.355	0.000	502.355	365634.000	365131.645	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_KLFMEDOR	5377.124	0.000	5377.124	11644.400	6267.276	0.0000	0.0000	0.0000	0.0000	0.0000
PGT_KLFOR	1253.260	0.000	1253.260	1668.960	415.700	3.2448	124.4358	0.0000	127.6806	0.1019
PGT_MEDOR	4123.864	0.000	4123.864	11132.000	7008.136	9.0247	6445.5700	0.0000	6454.5947	1.5652
JPTF2_TOTOR	94.462	1.407	93.055	94.462	0.0000	1.9020	28.6988	0.0000	30.6008	0.3239

Avg/Act with peak, spot available  
 2003 IRP price and load forecast, generic suppliers  
 restriction on interruptible usage, expected demand

New Energy Associates, LLC  
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 Report 1 (Continued)

Page 8  
 16-Dec-2003  
 06:05:09

NOV 2003 thru OCT 2004

Cost and Flow Summary

Units: MDT

Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Tot Cost	Units: MDT Average Tot Cost
LNGTF2_TF1OR	165.061	2.459	162.602	365634.000	365468.939	2.6725	52.3005	0.0000	54.9730	0.3330
NWP_US_TF1CA	1379.219	20.550	1358.669	1748.382	369.163	58.7010	0.0000	0.0000	58.7010	0.0426
NWP_BC_TF1CA	907.589	13.523	894.066	2414.136	1506.547	38.2525	0.0000	0.0000	38.2525	0.0421
NWP_TF1_CA	2252.735	0.000	2252.735	4073.336	1820.601	0.0000	1233.2148	0.0000	1233.2148	0.5474
PAIUTE_SLTCA	2248.206	67.446	2180.760	4947.402	2699.196	5.1709	1761.7869	0.0000	1766.9578	0.7859
LNG_PAIUTECA	49.268	0.000	49.268	365634.000	365584.732	0.0000	0.0000	0.0000	0.0000	0.0000
Total		855.412				1288.3458	42316.7174		43605.0632	0.3015

Avg/Act with peak, spot available  
 2003 IRP price and load forecast, generic suppliers  
 restriction on interruptible usage, expected demand

New Energy Associates, LLC  
 SENDOUT@ Version 10.0.1 REP001  
 Report 1

Page 21  
 16-Dec-2003  
 06:05:09

NOV 2007 thru OCT 2008

Cost and Flow Summary

Units: MDT

Supply Costs	Storage Costs	Transportation Costs	Peak Subperiod
Commodity Cost 192837.	Injection Cost 222.300	Transportation Cost 1859.78	FEB 15, 2008
Penalty Cost 0.0000	Withdrawal Cost 11.7311	Other Variable Cost 0.0000	System Served 423.256
Other Variable Cost -289.12	Carrying Cost 560.921		System Unserved 8.434
	Other Variable Cost 0.0000		System Demand 431.691
Total Variable 192548.	Total Variable 794.953	Total Variable 1859.78	Market Served 0.000
	Demand Cost 623.419	Demand Cost 48291.0	Market Unserved 0.000
Demand/Reservation C 397.029	Other Fixed Cost 2333.78	Other Fixed Cost 0.0000	Market Demand 0.000
Other Fixed Cost 0.0000	Total Fixed 2957.20	Total Fixed 48291.0	Total 431.691
Total Fixed 397.029			
Sup Release Revenue 0.0000	Sto Release Revenue 0.0000	Cap Release Revenue -3404.6	System Cost 243443.893
Total Supply Cost 192945.	Total Storage Cost 3752.16	Total Trans Cost 46746.1	Unsup. Demand Cost 509.1190
			Grand Total 243953.012

Avg Cost of Served Demand 5.281 \$/DT      Avg Cost of Gas Purchased 4.062 \$/DT  
 (System Cost/Served Dem.)      (Supply Cost/LDC Purchase)

Class	Demand Before DSM	DSM Impact	Net Demand	Imbalance Served	Demand Summary After Unb.	Units: MDT	
						Supplied	Unsupplied Cost (K\$)
SLS_RES_OR	6711.455	0.000	6711.455	6711.455	0.000	0.0000	0.0000
SLS_CML_OR	4483.485	0.000	4483.485	4483.485	0.000	0.0000	0.0000
SLS_FRM_OR	64.679	0.000	64.679	64.679	0.000	0.0000	0.0000
SLS_INT_OR	592.516	0.000	592.516	592.516	0.000	0.0000	0.0000
TSP_INT_OR	4536.746	0.000	4536.746	4536.746	0.000	0.0000	0.0000
SLS_RES_CA	1535.882	0.000	1535.882	1535.882	0.000	0.0000	0.0000
SLS_CML_CA	684.919	0.000	684.919	684.919	0.000	0.0000	0.0000
TSP_INT_CA	82.711	0.000	82.711	82.711	0.000	0.0000	0.0000
SLS_RES_WA	19134.138	0.000	19134.138	19123.956	10.182	509.1190	0.0000
SLS_CML_WA	11693.880	0.000	11693.880	11693.880	0.000	0.0000	0.0000
SLS_FRM_WA	1058.374	0.000	1058.374	1058.374	0.000	0.0000	0.0000
SLS_INT_WA	147.711	0.000	147.711	147.711	0.000	0.0000	0.0000
TSP_FRM_WA	6478.132	0.000	6478.132	6478.132	0.000	0.0000	0.0000
TSP_INT_WA	8765.127	0.000	8765.127	8765.127	0.000	0.0000	0.0000
Total	65969.756	0.000	65969.756	65969.756	10.182	509.1190	0.0000
Enduser			19862.717		10.182	509.1190	
Net Total			46096.856		10.182	509.1190	

NOV 2007 thru OCT 2008

Cost and Flow Summary

Units: MDT

Supply Summary

Units: MDT

Source	Total Take	Max Take	Surplus	Take Under Daily Min	Take Under Other Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Total Cost	Average Tot Cost
Hedged AECO	6228.000	6228.000	0.000			4.0875	25457.2088	0.0000	25457.2088	4.0875
Hedged US	2291.000	2291.000	0.000			4.2372	9707.3258	0.0000	9707.3258	4.2372
Hedged Sumas	2291.000	2291.000	0.000			4.4285	10145.6236	0.0000	10145.6236	4.4285
A2 index	3212.520	3212.520	0.000		0.000	4.0837	12829.6805	397.0294	13226.7099	4.1172
N_SPOT_SUMAS	1383.227	365634.000	364250.773			4.7046	6507.5260	0.0000	6507.5260	4.7046
N_SPOT_ROCK	6346.271	365634.000	359287.729			4.1686	26455.1316	0.0000	26455.1316	4.1686
P_SPOT_AECO	24080.569	365634.000	341553.431			3.8922	93726.7229	0.0000	93726.7229	3.8922
P_SPOT_KNGGA	1672.700	365634.000	363961.300			4.6149	7719.3645	0.0000	7719.3645	4.6149
TSP_INT_W	8676.488	8676.488	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_K	412.855	412.855	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_L	527.083	527.083	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_M	2032.359	2032.359	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT(GP)	677.453	677.453	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_R	765.539	765.539	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_S	66.008	66.008	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
TSP_FIRM_W	6478.132	6478.132	0.000			0.0000	0.0000	0.0000	0.0000	0.0000
Total	67141.202						192548.583	397.0294	192945.613	

Enduser 19635.916  
 LDC Purchase 47505.286

Storage Summary

Units: MDT

Storage	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
Storage	2487	100	3214.414	3176.484	0	37.930	2487	100	0.000	0	9140.7457	9365.75	225.0132
JP_WA	94	100	95.590	94.462	0	1.128	94	100	0.000	0	342.7887	351.233	8.4452
JP_OR	153	100	158.967	153.315	0	5.652	153	100	0.000	0	663.2293	678.180	14.9517
LANG_WA	172	100	177.038	172.400	0	4.638	172	100	0.000	0	770.5602	790.393	19.8334
LANG_OR	74	86	92.298	61.074	0	19.383	86	100	1.832	12	341.0349	403.745	62.7107
LANG_CA													
Total	2981	100	3738.308	3657.736	0	68.731	2993	100	1.832	12	11258.358	11589.3	330.9540

Transportation Summary

Units: MDT

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rev Revenue	Total Cost	Average Tot Cost
NOVA_ANG	30308.569	0.000	30308.569	38502.834	8194.265	19.8931	5206.8561	0.0000	5226.7492	0.1725
ANG_PGT	33521.089	302.327	33218.762	40369.617	6848.528	257.1837	2557.3827	0.0000	2814.5664	0.0840
PET_IT_WA	135.202	0.688	134.514	21744.000	21608.798	44.4003	0.0000	0.0000	44.4003	0.3284
PGT_TL_WA	3844.868	19.570	3825.297	7606.212	3761.344	16.9151	431.9580	0.0000	448.8732	0.1167

Avg/Act with peak, spot available  
 2003 IRP price and load forecast, generic suppliers  
 restriction on Interruptible usage, expected demand

New Energy Associates, LLC  
 SENDOUT@ Version 10.0.1 REP001  
 Report 1 (Continued)

Page 23  
 16-Dec-2003  
 06:05:09

NOV 2007 thru OCT 2008

Cost and Flow Summary

Units: MDT

Segment (cont)	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Tot Cost	Average Tot Cost
PJT_T1X_WA	8391.543	42.713	8348.830	9150.000	758.457	35.0945	718.5725	0.0000	753.6670	0.0898
PJT_T3_WA	14205.990	72.308	14133.681	15522.609	1316.619	59.3362	1561.3137	0.0000	1620.6500	0.1141
PJT_SF1LD_WA	0.000	0.000	0.000	365634.000	365634.000	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_TNSKA_WA	0.000	0.000	0.000	365634.000	365634.000	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_STARR_WA	6241.931	0.000	6241.931	365634.000	359392.069	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_TOT_WWP	20200.391	0.000	20200.391	32281.557	12081.166	172.6975	0.0000	0.0000	172.6975	0.0085
NWP_SF_TFIWA	28.066	0.418	27.648	3660.000	3631.934	1.1170	0.0000	0.0000	1.1170	0.0398
NWP_SF_TFIWA	6241.931	93.005	6148.926	23560.518	17318.587	248.3759	0.0000	0.0000	248.3759	0.0398
NWP_US_TFIWA	4491.866	66.929	4424.938	13787.952	9296.086	178.7585	0.0000	0.0000	178.7585	0.0398
NWP_BC_TFIWA	1453.153	21.652	1431.501	9427.794	7974.641	57.8355	0.0000	0.0000	57.8355	0.0398
NWPTFI_WWP	8659.632	0.000	8659.632	32418.084	23758.452	71.8642	16676.3203	0.0000	16748.1845	1.9341
NWP_WWP	2213.299	0.000	2213.299	365634.000	363420.701	0.0000	0.0000	0.0000	0.0000	0.0000
JPTFI_WWP	0.000	0.000	0.000	4904.400	4904.400	0.0000	0.0000	0.0000	0.0000	0.0000
JPTF2_WWP	1411.356	21.029	1390.327	2426.270	1014.914	55.2573	832.1884	0.0000	887.4458	0.6288
JPSUMAS_WWP	1737.062	25.882	1711.180	11124.204	9413.024	64.3404	0.0000	0.0000	64.3404	0.0370
JP_SF1LD_WA	28.066	0.000	28.066	365634.000	365605.934	0.0000	0.0000	0.0000	0.0000	0.0000
LANGF2_WWP	153.315	2.284	151.031	8052.000	7898.685	6.0406	52.5830	0.0000	58.6236	0.3824
NWP_BC_TFIOR	1265.446	18.855	1246.590	5313.222	4047.776	50.3589	0.0000	0.0000	50.3589	0.0398
NWP_US_TFIOR	2725.881	40.616	2685.265	2837.964	112.083	108.4662	0.0000	0.0000	108.4662	0.0398
NWP_SF_TFIOR	1140.247	16.990	1123.258	3660.000	2519.753	45.3749	0.0000	0.0000	45.3749	0.0398
NWPTFI_TOTOR	5224.945	0.000	5224.945	19660.422	14435.477	0.0000	5725.4114	0.0000	5725.4114	1.0958
NWP_KLF_OR	755.423	11.256	744.167	4919.040	4163.617	35.6696	0.0000	0.0000	35.6696	0.0472
NWP_ROS_OR	1164.595	0.000	1164.595	4960.398	3795.803	9.6247	0.0000	0.0000	9.6247	0.0083
NWP_GP_OR	1757.157	0.000	1757.157	365634.000	363876.843	14.5424	0.0000	0.0000	14.5424	0.0083
NWP_ROSGP_OR	2921.752	0.000	2921.752	10474.920	7553.168	0.0000	0.0000	0.0000	0.0000	0.0000
NWP_MED_OR	89.757	0.000	89.757	365634.000	365544.243	0.0000	0.0000	0.0000	0.0000	0.0000
NWPTOT_RS_OR	975.456	0.000	975.456	3154.920	2179.464	8.0824	0.0000	0.0000	8.0824	0.0083
NWPTOT_LG_OR	1148.163	0.000	1148.163	3330.600	2182.437	9.5094	0.0000	0.0000	9.5094	0.0083
PJTWP_SF_OR	1140.247	0.000	1140.247	365634.000	364493.753	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_T1_OR	159.366	4.488	154.878	18534.972	18375.606	50.7423	0.0000	0.0000	50.7423	0.3184
PJT_T3_OR	667.577	18.800	648.777	2613.240	1945.663	8.2051	537.7191	0.0000	545.9242	0.8178
PJT_T1X_OR	6275.457	176.729	6098.727	7671.000	1395.543	75.0807	2174.6997	0.0000	2249.7804	0.3585
PJT_T3_OR	1211.460	34.117	1177.343	1211.460	0.000	14.2356	439.1066	0.0000	453.3422	0.3742
PJT_NWPKF	755.423	0.000	755.423	365634.000	364878.577	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_KLFMEDOR	6184.055	0.000	6184.055	12372.400	6188.345	0.0000	0.0000	0.0000	0.0000	0.0000
PJT_KLFOR	1271.612	0.000	1271.612	1668.960	397.348	3.5605	140.5988	0.0000	144.1593	0.1134
PJT_MEDOR	4912.443	0.000	4912.443	11860.000	6947.557	12.1659	7760.8000	0.0000	7772.9659	1.5823
JPTF2_TOTOR	94.462	1.407	93.055	94.462	0.000	1.9277	32.4262	0.0000	34.3538	0.3637
LANGF2_TFIOR	172.400	2.569	169.831	365634.000	365461.600	3.1821	59.0933	0.0000	62.2754	0.3612
NWP_US_TFICA	1419.523	21.151	1398.372	1748.382	328.859	68.3744	0.0000	0.0000	68.3744	0.0482
NWP_BC_TFICA	955.628	14.239	941.389	2414.136	1458.508	45.3602	0.0000	0.0000	45.3602	0.0475
NWP_TFI_CA	2339.762	0.000	2339.762	4073.336	1733.574	0.0000	1393.3835	0.0000	1393.3835	0.5955
PAIUTE_SLTCA	2306.706	69.201	2237.505	4947.402	2640.696	6.2129	1990.6173	0.0000	1996.6173	0.8657

Avg/Act with peak, spot available  
 2003 IRP price and load forecast, generic suppliers  
 restriction on interruptible usage, expected demand

New Energy Associates, LLC  
 SENDOUT® Version 10.0.1 REP001  
 Report 1 (Continued)

Page 24  
 16-Dec-2003  
 06:05:09

NOV 2007 thru OCT 2008

Cost and Flow Summary

Units: MDT

Segment (cont)	Total Flow	Fuel Consumed	Delivered	Transportation Summary				Cap Rel Revenue	Fix Cost	Var Cost	Tot Cost	Units: MDT Average Tot Cost
				Max Flow	Surplus	Var Cost	Fix Cost					
LNG_PAUTECA	59.242	0.000	59.242	365634.000	365574.758	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
Total	1099.225			1859.7859	48291.0305			50150.8164			0.2607	



Avg/Act with peak, spot available  
 2003 IRP price and load forecast, generic suppliers  
 restriction on interruptible usage, expected demand

New Energy Associates, LLC  
 SENDOUT@ Version 10.0.1 REP001  
 Report 1

Page 41  
 16-Dec-2003  
 06:05:09

NOV 2012 thru OCT 2013

Cost and Flow Summary

Units: MDT

Supply Costs	Storage Costs	Transportation Costs	Peak Subperiod
Commodity Cost 240544.	Injection Cost 244.901	Transportation Cost 3077.53	FEB 15, 2013
Penalty Cost 0.0000	Withdrawal Cost 12.8862	Other Variable Cost 0.0000	System Served 439.809
Other Variable Cost 0.0000	Carrying Cost 639.673		System Unserved 54.006
	Other Variable Cost 0.0000		System Demand 493.816
Total Variable 240644.	Total Variable 897.460	Total Variable 3077.53	Market Served 0.000
	Demand Cost 726.182	Demand Cost 56254.7	Market Unserved 0.000
	Other Fixed Cost 2600.07	Other Fixed Cost 0.0000	Market Demand 0.000
Total Fixed 0.0000	Total Fixed 3326.25	Total Fixed 56254.7	Total 493.816
Sup Release Revenue 0.0000	Sto Release Revenue 0.0000	Cap Release Revenue -3196.0	System Cost 301004.722
Total Supply Cost 240644.	Total Storage Cost 4223.71	Total Trans Cost 56136.2	Unsup. Demand Cost 5343.5021
			Grand Total 306348.225

Avg Cost of Served Demand 5.733 \$/DT  
 Avg Cost of Gas Purchased 4.451 \$/DT  
 (System Cost/Served Dem.) (Supply Cost/LDC Purchase)

Class	Demand Before DSM	DSM Impact	Net Demand	Imbalance Served	Demand Summary After Unb.	Supplied	Unsupplied	Unsupplied Cost (K\$)	Units: MDT
SLS_RES_OR	7872.158	0.000	7872.158	0.000	7872.158	7864.489	7.668	383.4062	
SLS_CML_OR	4966.752	0.000	4966.752	0.000	4966.752	4966.165	0.587	30.5701	
SLS_FRM_OR	71.411	0.000	71.411	0.000	71.411	71.411	0.000	0.0000	
SLS_INT_OR	687.629	0.000	687.629	0.000	687.629	687.629	0.000	0.0000	
TSP_INT_OR	5130.677	0.000	5130.677	0.000	5130.677	5130.677	0.000	0.0000	
SLS_RES_CA	1573.497	0.000	1573.497	0.000	1573.497	1573.497	0.000	0.0000	
SLS_CML_CA	706.698	0.000	706.698	0.000	706.698	706.698	0.000	0.0000	
TSP_INT_CA	86.691	0.000	86.691	0.000	86.691	86.691	0.000	0.0000	
SLS_RES_WA	22462.560	0.000	22462.560	0.000	22462.560	22462.560	0.000	0.0000	
SLS_CML_WA	13062.866	0.000	13062.866	0.000	13062.866	12964.275	98.591	4929.5258	
SLS_FRM_WA	1053.556	0.000	1053.556	0.000	1053.556	1053.556	0.000	0.0000	
SLS_INT_WA	153.297	0.000	153.297	0.000	153.297	153.297	0.000	0.0000	
TSP_FRM_WA	6596.406	0.000	6596.406	0.000	6596.406	6596.406	0.000	0.0000	
TSP_INT_WA	9190.987	0.000	9190.987	0.000	9190.987	9190.987	0.000	0.0000	
Total	73615.184	0.000	73615.184	0.000	73615.184	73508.339	106.846	5343.5021	
Enduser				21004.761			106.846	5343.5021	
Net Total				52503.577			106.846	5343.5021	

NOV 2012 thru OCT 2013

Cost and Flow Summary

Units: MDT

Supply Summary

Units: MDT

Source	Total Take	Max Take	Surplus	Take Under Daily	Take Under Other	Min	Av Comm Cost	Total Var Cost	Total Fix Cost	Total Cost	Average Tot Cost
Hedged AECO	6194.000	6194.000	0.000				4.4251	27408.8695	0.0000	27408.8695	4.4251
Hedged US	2278.000	2278.000	0.000				4.5825	10438.9579	0.0000	10438.9579	4.5825
Hedged Sumas	2278.000	2278.000	0.000				4.8019	10938.6384	0.0000	10938.6384	4.8019
N_SPOT_SUMAS	2960.305	364635.000	361674.695				5.0352	14905.8673	0.0000	14905.8673	5.0352
N_SPOT_ROCK	7342.925	364635.000	357292.075				4.5017	33055.8453	0.0000	33055.8453	4.5017
P_SPOT_AECO	29098.459	364635.000	335536.541				4.2871	124748.449	0.0000	124748.449	4.2871
P_SPOT_KNGGA	3910.751	364635.000	360724.249				4.8963	19148.1151	0.0000	19148.1151	4.8963
TSP_INT_W	9097.992	9097.992	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_K	431.730	431.730	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_L	591.629	591.629	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_M	2334.798	2334.798	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT(GP)	778.266	778.266	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_R	855.209	855.209	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_INT_S	69.261	69.261	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
TSP_FIRM_W	6596.406	6596.406	0.000				0.0000	0.0000	0.0000	0.0000	0.0000
Total	74817.730							240644.742	0.0000	240644.742	

Enduser 20755.291  
 LDC Purchase 54062.439

Storage Summary

Units: MDT

Segment	Starting Balance	% Full	Total Inj.	Total With.	NetInv Adj.	Inj Fuel	Final Balance	% Full	With. Fuel	Diff in Balance	Start Value	Final Value	Diff in Value
Storage	2487	100	3714.171	3670.344	0	43.827	2487	100	0.000	0.000	9888.7029	10062.8	174.1420
JP_WA	94	100	95.590	94.462	0	1.128	94	100	0.000	0.000	373.1407	379.439	6.2988
JP_OR	153	100	159.939	153.315	0	6.624	153	100	0.000	0.000	718.6369	730.490	11.8533
LNG_WA	172	100	177.038	172.400	0	4.638	172	100	0.000	0.000	848.7288	865.514	16.7852
LNG_OR	73	85	92.298	72.916	0	19.383	73	85	2.187	0	363.9283	370.246	6.3182
LNG_CA	2980	100	4239.037	4163.436	0	75.600	2980	100	2.187	0	12193.137	12408.5	215.3976
Total	2980	100	4239.037	4163.436	0	75.600	2980	100	2.187	0	12193.137	12408.5	215.3976

Transportation Summary

Units: MDT

Segment	Total Flow	Fuel Consumed	Delivered	Max Flow	Surplus	Var Cost	Fix Cost	Cap Rel Revenue	Tot Cost	Average Tot Cost
NOVA_ANG	35292.459	0.000	35292.459	47932.530	12640.071	27.8136	6065.5008	0.0000	6093.3144	0.1727
ANG_PGT	35292.459	318.303	34974.156	40243.249	4950.790	316.0941	2979.1592	0.0000	3295.2533	0.0934
PGT_IT_WA	1537.221	7.824	1529.397	21684.000	20146.779	587.9872	0.0000	0.0000	587.9872	0.3825
PGT_T1_WA	4729.345	24.072	4705.272	7585.430	2856.085	24.5330	503.1821	0.0000	527.7151	0.1116
PGT_T1X_WA	8534.962	43.443	8491.519	9125.000	590.038	41.6713	837.0550	0.0000	878.7263	0.1030

