



Northern Utah Regional Landfill Authority **Regional Landfill Financial Analysis**

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Ranking the Landfill Sites

a. Background

The Northern Utah Regional Landfill Authority (NURLA) asked Zions Bank Public Finance (ZBPF) to perform a financial analysis to study the costs of acquiring and operating a long-term regional landfill in Box Elder County. ZBPF was asked to look at six specific sites in Box Elder County and to evaluate these sites strictly on a financial basis. In addition, ZBPF was asked to evaluate the sites based on the premise that all five NURLA-participating counties (Box Elder, Cache, Weber, Davis and Morgan) would send waste to one landfill. The six sites include Promontory, Little Mountain, West Hills, Rattlesnake Pass, Bulls Pass, and Monument Peak. A map of these sites, provided by JBR Environmental Consultants, is found in Appendix 1.

b. Discussion of Sites

Promontory

The Promontory site is located on the southwest tip of the Promontory Peninsula and is owned by Pacific West, LLC. Pacific West controls 4,000 acres and has a Class I Landfill Permit issued by the Utah DEQ, Division of Solid and Hazardous Waste for a 1,000 acre disposal cell surrounded by a 1,000 acre buffer zone.

The Promontory site is accessed by either crossing the Great Salt Lake Minerals (GSL) dike or the Union Pacific causeway. Currently, no agreements are in place to secure access across either of these roads. In addition, if access is granted across either of these roads, major construction would be required to improve the roads to handle the increased traffic. Pacific West, LLC estimated this cost to be approximately \$4.5 million. However, before accepting this amount, we would suggest that NURLA require a formal estimate from a qualified engineering firm detailing the costs of the improvements.

Little Mountain

The Little Mountain site is an operating landfill owned by Box Elder County. The site consists of 112 acres of land owned by the county as well as a lease agreement to use 1,000 acres of land surrounding the 112 acres. The lease was entered into in 1996 with Nicoli Nicholas Sr. and Nicoli Nicholas Jr. Box Elder County makes a lease payment to the Nicholas' every year. In addition, Box Elder County agrees to pay the Nicholas' a royalty for every ton of waste placed on the leased land. The Little Mountain Landfill permit was renewed in 2006. In addition, a permit has been submitted to expand the landfill in order to accommodate waste from all five counties.

West Hills

The West Hills site is owned by Davis County Solid Waste Management and Energy Recovery Special Service District and includes 1,280 acres located approximately 2.5 miles off of Exit 32 on Interstate 84.

Rattlesnake Pass, Bulls Pass, Monument Peak

These sites are areas in Box Elder County that were identified by JBR Environmental Consulting, Inc. in a previous study as areas that would be feasible locations for a landfill, based on Geographic Information System (GIS) data. The land is owned by multiple private land owners.

c. Ranking Methodology

The sites are evaluated and ranked based on the following costs: transportation, land, permit, infrastructure, upgrading roads, and royalties. It is important to note that only the differential costs are considered. The costs that are assumed to be the same at each location are not included in this evaluation. These include operating expenses, equipment, and the cost of the landfill liner. Below is a description of how each cost was calculated.

Transportation Costs

The transportation costs of hauling waste from each county to the various landfill sites are based on travel times. The travel times are based on current road conditions and were derived by actually driving each route at posted speed limits and tracking the time. We have assumed that NURLA would have authorization to cross the causeway to the Promontory

site, which is not currently the case. There may be additional costs charged by Union Pacific to cross the causeway. In addition to driving the routes, the times and distances were checked using Google Maps and Google Earth. Where applicable, the travel time also includes a ten minute round trip stop at the weigh station in Perry, Utah (approximately three miles south of Brigham City). Appendix 2 includes a summary of the travel times to each site.

The travel times were then used to calculate a cost per ton based on a vehicle cost per hour of \$120 and a 24 ton load, as shown in Appendix 2. This method was used for comparison purposes only and does not represent actual quotes from trucking companies. The costs per ton do not include a fuel surcharge as it is assumed the surcharge would be applied uniformly and would, therefore, increase all of the costs per ton by the same percentage. The following table summarizes the cost per ton based on the travel times:

Estimated Cost per Ton				
	Box Elder	Davis	Cache	Weber
Little Mountain	\$6.33	\$11.75	\$11.67	\$9.83
Promontory	14.67	12.25	19.00	10.33
West Hills	7.50	12.92	9.17	11.00
Rattlesnake Pass	10.17	15.58	11.83	13.67
Bull's Pass	10.67	16.08	12.17	14.17
Monument Peak	13.17	18.58	14.67	16.67

To determine the annual transportation costs to each site, the costs per ton were applied to the annual Municipal Solid Waste (MSW) tonnage from each county. The MSW amounts are based on the 2006 Landfill and Transfer Station Inventory data as reported by the Utah Division of Solid & Hazardous Waste. The base year used in this analysis is 2012. The annual growth rate applied to the tonnage is based on the projected population increases for each county, as reported by the Governor's Office of Planning and Budget (see Appendix 3). The waste projection and transportation costs for each county, as well as a summary of the transportation costs based on those projections, are included in Appendix 4 and Appendix 5, respectively.

It is important to note that the hauling costs could be much lower for some sites if a larger truck load is permitted. Trucking companies can apply to the Utah Department of Transportation (UDOT) for a permit that allows them to haul 41 tons of waste on double trailers on specific routes approved by UDOT. The general rule for routes is that the hauling locations cannot be more than one mile from the freeway. However, if the distance exceeds one mile, the trucking company can seek approval from UDOT by applying for a variance. UDOT confirmed that the 41 ton-load double trailers would not be allowed for hauling to the Little Mountain or Promontory sites. However, trucking companies might be able to get the permit for the West Hills site, depending on UDOT's evaluation of both the transfer station and landfill locations. Because approval is not in place at this time, a load of 24 tons is used for all routes in this analysis.

Land

The cost of the land used for the Little Mountain site is \$4,346,943, which is the value assigned to the landfill in a previous report prepared for NURLA. This cost includes not only the land, but also the existing infrastructure.

The cost of the 2,000 permitted acres on Promontory Point is \$10 million dollars as provided by the owners, Pacific West, LLC.

The cost of the 1,280 acres at West Hills is assumed to be \$700 per acre. Using the same acreage as West Hills, it is assumed that the land at Rattlesnake Pass would be \$600 per acre and the land at both Bulls Pass and Monument Peak would be \$500 per acre, based on the distance of the land from the freeway.

Permit

According to Utah State law, landfill permits must be renewed every 10 years. The Little Mountain Landfill permit was renewed in 2006. However, if NURLA acquires the Little Mountain Landfill, the leased 1,000 acres would need to be permitted, which would cost approximately \$30,000. The Promontory Landfill was permitted in 2004, so there would be no permitting cost associated with the Promontory site until 2014. The cost of the initial permitting of the remaining sites is estimated to be \$100,000.

Infrastructure

The costs associated with constructing the infrastructure at the Little Mountain Landfill were used as the basis for the estimate of constructing the infrastructure at the other sites. The cost was calculated using the “Infrastructure,” “Building Improvements,” and “Land Improvements” classifications on the Little Mountain Asset Report, and adjusting for both general and construction inflation (see Appendix 6). The resulting estimated cost of \$2,470,225 is used as a basis for comparison purposes only.

Cost of Roads

The inter-local agreement creating NURLA requires that NURLA help pay for the costs associated with any impact to county roads to any NURLA landfill. The estimates for upgrading the roads to the different sites in order to support the increased traffic are based on figures provided by Bill Gills, Box Elder County Road Supervisor. Mr. Gills provided the estimated cost per mile of upgrading a regular dirt road with no base. This cost was used for the West Hills, Rattlesnake Pass, Bulls Pass, and Monument Peak sites for the respective stretches of non-paved roads that would be required at each site. Mr. Gills provided a specific estimate for upgrading the two paved roads to the Little Mountain Landfill. These costs are detailed in Appendix 7.

The road to the access roads to the Promontory site is located in Weber County. Kelly Hipwell, Weber County Road Director, explained that the road from the freeway to 4700 West is a state road and from 4700 West to the end of the road (approximately 7 miles) is a county road. Mr. Hipwell provided the estimated cost per mile to upgrade the seven miles of county road as detailed in Appendix 7.

Royalties

The Promontory, West Hills, and Little Mountain sites are all subject to royalties based on how much waste is placed on the sites. All waste hauled to the Promontory Landfill would be subject to a \$1 per ton fee. Waste hauled to West Hills would be subject to a \$0.30 per ton fee for the first 25 years. Waste placed on the leased land at the Little Mountain Landfill would be charged one quarter of one percent (0.25%) of the tipping fee. For this analysis we are assuming a tipping fee of \$13 per ton for Little Mountain, which results in a fee of \$0.03 per ton. These royalty amounts were applied to the total waste from all five counties in the first year (2012 for this analysis), which is 574,382 tons.

d. Other Considerations

Given the plan put forth by the Promontory site owners, there appears to be insufficient soil to provide daily cover for the proposed height of the waste mound. Providing the needed cover would require hauling additional soil from nearby land. If this is the case, the cost of hauling that soil is projected to be at least \$2.50 per ton.

e. Annualizing the Costs

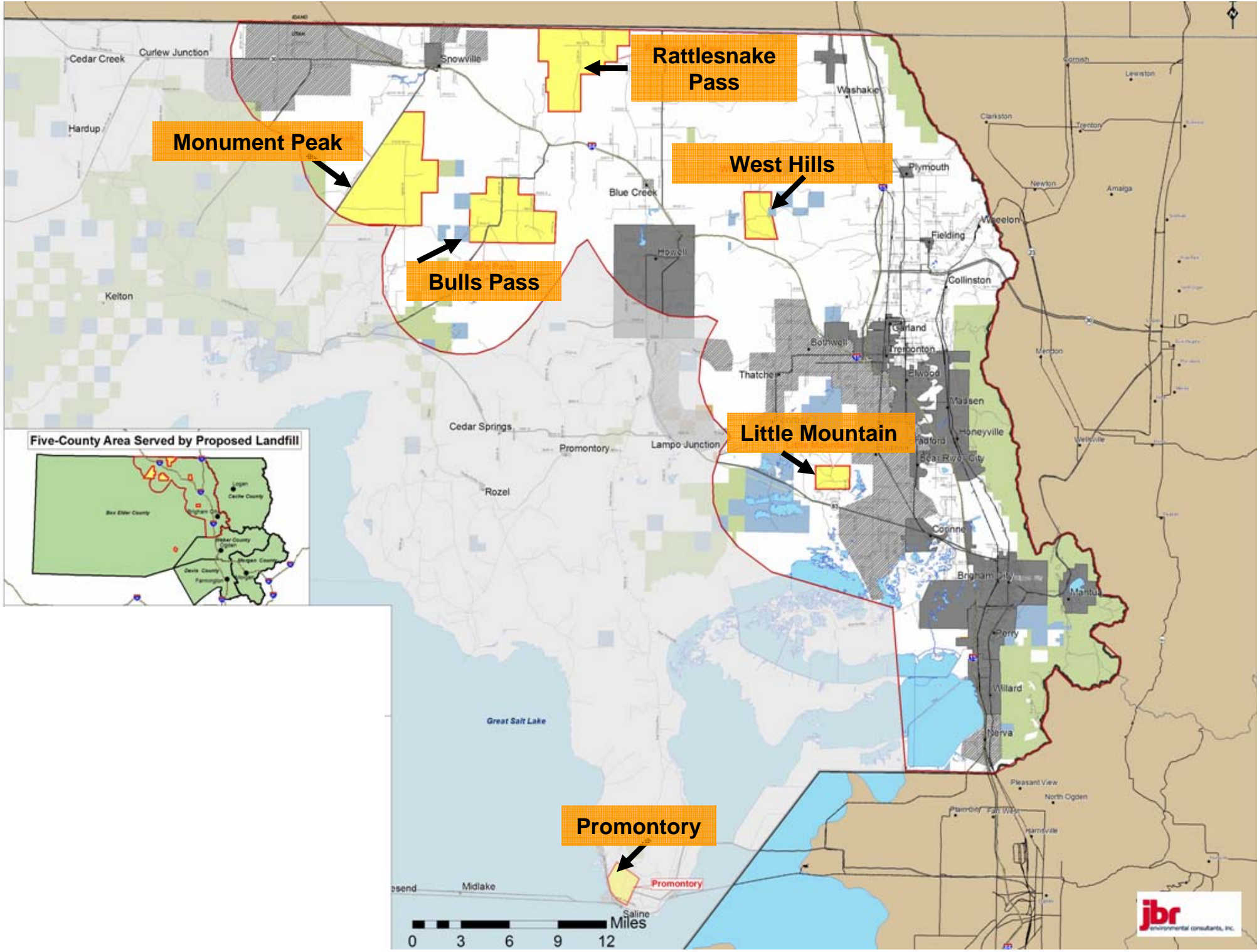
The costs outlined above were annualized in order to take into account the different capacities of the proposed landfill sites. The capacity of the site determines the life of the landfill. Pacific West, LLC has estimated the landfill life of the Promontory site to be approximately 421 years. The life of the remaining sites is conservatively set at 80 years. The data used for calculating the annualized costs is found in Appendix 8. In comparing the costs of all sites we have used the concept of net present value using a discount rate of 5%. The discount rate approximates NURLA’s cost of capital.

f. Conclusion/Site Rankings

The following table shows the outcome of ranking the proposed sites based on annualized costs:

Rank	Site	Annualized Cost	Amount over Little Mt.	% over Little Mt.
1	Little Mountain	\$7,332,024	\$0	0.00%
2	West Hills	7,698,760	366,736	5.00%
3	Rattlesnake Pass	9,328,856	1,996,831	27.23%
4	Bulls Pass	9,584,344	2,252,319	30.72%
5	Promontory	9,911,720	2,579,695	35.18%
6	Monument Peak	11,208,595	3,876,570	52.87%

Based upon our findings, from a financial perspective, the best site for the NURLA landfill is the Little Mountain site, followed closely by the West Hills site. We recognize there are factors that are not financial in nature that may need to be considered before selecting a site. These might include political opposition to a particular site.



Appendix 1
Map of sites

Landfill Transportation Data

Unload Time (min)	30
Vehicle Cost per hour	\$120
MSW per load (tons)	24

		Haul Time (one way)	Unload Time	Total Round Trip (hrs)	Cost per Load	MSW per Load (tons)	Cost per Ton	
Little Mountain	Layton	55.5	30	2.35	\$282	24	\$11.75	*
	Ogden	44	30	1.97	236	24	9.83	*
	Brigham City	23	30	1.27	152	24	6.33	
	Logan	55	30	2.33	280	24	11.67	
West Hills	Layton	62.5	30	2.58	\$310	24	\$12.92	*
	Ogden	51	30	2.20	264	24	11.00	*
	Brigham City	30	30	1.50	180	24	7.50	
	Logan	40	30	1.83	220	24	9.17	
Rattlesnake Pass	Layton	78.5	30	3.12	\$374	24	\$15.58	*
	Ogden	67	30	2.73	328	24	13.67	*
	Brigham City	46	30	2.03	244	24	10.17	
	Logan	56	30	2.37	284	24	11.83	
Bull's Pass	Layton	81.5	30	3.22	\$386	24	\$16.08	*
	Ogden	70	30	2.83	340	24	14.17	*
	Brigham City	49	30	2.13	256	24	10.67	
	Logan	58	30	2.43	292	24	12.17	
Monument Peak	Layton	96.5	30	3.72	\$446	24	\$18.58	*
	Ogden	85	30	3.33	400	24	16.67	*
	Brigham City	64	30	2.63	316	24	13.17	
	Logan	73	30	2.93	352	24	14.67	
Promontory	Layton	59	30	2.45	\$294	24	\$12.25	
	Ogden	47	30	2.07	248	24	10.33	
	Brigham City	73	30	2.93	352	24	14.67	*
	Logan	99	30	3.80	456	24	19.00	*

*An additional 10 minutes round trip was added for stopping at the transfer station in Perry, Utah.

**Population
By County and Multi-County District
2000 - 2050***

Area	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050
Box Elder	45,142	49,254	55,212	61,675	68,038	73,833	79,576	85,455	91,528	97,789
Cache	102,477	114,304	130,375	147,776	165,626	183,989	203,123	223,185	244,382	266,711
Davis	276,374	304,502	330,833	352,320	369,206	382,219	393,492	404,170	414,393	424,177
Morgan	8,525	10,183	12,760	16,200	20,384	24,595	29,159	34,290	40,085	46,596
Weber	212,707	230,145	251,528	271,339	289,584	306,227	322,399	338,579	354,929	371,429
Davis/Morgan	284,899	314,685	343,593	368,520	389,590	406,814	422,651	438,460	454,478	470,773

Percent Increase over Previous Year*

	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	Average
Box Elder	1.09%	2.25%	2.30%	2.19%	1.86%	1.56%	1.48%	1.41%	1.36%	1.31%	1.6644%
Cache	2.29%	2.47%	2.65%	2.45%	2.24%	2.08%	1.95%	1.87%	1.81%	1.73%	2.1544%
Davis	2.77%	1.85%	1.49%	1.13%	0.84%	0.62%	0.56%	0.52%	0.49%	0.45%	1.1467%
Morgan	3.35%	4.37%	4.68%	5.08%	4.50%	3.61%	3.38%	3.24%	3.13%	3.00%	3.8140%
Weber	1.51%	1.87%	1.68%	1.44%	1.25%	1.07%	1.01%	0.97%	0.93%	0.90%	1.2713%
Davis/Morgan	2.79%	1.93%	1.61%	1.30%	1.02%	0.79%	0.75%	0.73%	0.72%	0.70%	1.2975%

Note: All populations are dated July 1

Source: 2005 Baseline Projections, Governor's Office of Planning and Budget

<http://www.governor.utah.gov/dea/People.html>

*Data from 2000 to 2050 used in calculations, only every five years is shown.

MSW Projection Variables

	2006 MSW Tons*	Annual Growth Rate**
Box Elder County	30,179	1.66%
Cache County	114,949	2.15%
Davis County (including Morgan)	175,197	1.30%
Weber County	205,000	1.27%
Assumption for Analysis:		
Year diversion of waste begins	2012	
Individual facility operation / diversion is ignored		
Discount Rate for PV analysis	5.0%	
Inflation Rate	3.5%	
Promontory Royalty Cost per ton	\$1.00	
West Hills Royalty Cost per ton	\$0.30	
Little Mt. Royalty Cost per ton (for leased land)***	\$0.03	

* Data from 2006 Landfill and Transfer Station Inventory

**Data from the Governor's Office of Planning and Budget 50 year population projections

***The Little Mountain royalty is for MSW placed on the leased land and is equal to one quarter of one percent (0.25%) of the tipping fee. For this analysis a tipping fee of \$13 is used for a fee of \$0.03 per ton.

Total tons of MSW hauled in first year (2012) 574,382

Box Elder County (Waste Projection & Transportation Costs)

Annual MSW Growth Rate 1.66%
 Inflation Rate 3.5%
 Discount Rate 5.0%

Summary

	1 yr	10 yr	50 yr	100 yr
Little Mountain	\$238,707	\$2,409,978	\$12,577,124	\$26,559,775
Promontory	\$552,794	\$5,581,002	\$29,125,970	\$61,506,847
West Hills	\$282,679	\$2,853,921	\$14,893,962	\$31,452,365
Rattlesnake Pass	\$383,187	\$3,868,649	\$20,189,593	\$42,635,428
Bulls Pass	\$402,032	\$4,058,911	\$21,182,524	\$44,732,253
Monument Peak	\$496,258	\$5,010,218	\$26,147,178	\$55,216,374

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2006	30,179																		
2007	30,681	\$6.33			\$14.67			\$7.50			\$10.17			\$10.67			\$13.17		
2008	31,192	6.56			15.18	-	-	7.76	-	-	10.52	-	-	11.04	-	-	13.63	-	-
2009	31,711	6.78			15.71	-	-	8.03	-	-	10.89	-	-	11.43	-	-	14.10	-	-
2010	32,239	7.02			16.26	-	-	8.32	-	-	11.27	-	-	11.83	-	-	14.60	-	-
2011	32,776	7.27			16.83	-	-	8.61	-	-	11.67	-	-	12.24	-	-	15.11	-	-
2012	33,321	7.52	\$250,642	\$238,707	17.42	\$580,434	\$552,794	8.91	\$296,813	\$282,679	12.07	\$402,346	\$383,187	12.67	\$422,134	\$402,032	15.64	\$521,071	\$496,258
2013	33,876	7.79	263,732	239,213	18.03	610,748	553,967	9.22	312,314	283,278	12.50	423,360	384,000	13.11	444,180	402,885	16.19	548,285	497,311
2014	34,440	8.06	277,506	239,720	18.66	642,646	555,142	9.54	328,626	283,879	12.93	445,470	384,814	13.57	467,379	403,739	16.75	576,921	498,366
2015	35,013	8.34	291,999	240,229	19.31	676,209	556,319	9.88	345,789	284,481	13.39	468,736	385,630	14.05	491,789	404,596	17.34	607,051	499,423
2016	35,596	8.63	307,250	240,738	19.99	711,526	557,499	10.22	363,848	285,085	13.86	493,217	386,448	14.54	517,473	405,454	17.94	638,756	500,482
2017	36,188	8.93	323,296	241,249	20.69	748,687	558,681	10.58	382,851	285,689	14.34	518,976	387,268	15.05	544,499	406,314	18.57	672,116	501,544
2018	36,790	9.25	340,181	241,760	21.41	787,788	559,866	10.95	402,846	286,295	14.84	546,080	388,089	15.57	572,937	407,176	19.22	707,219	502,607
2019	37,403	9.57	357,948	242,273	22.16	828,932	561,054	11.33	423,886	286,903	15.36	574,601	388,912	16.12	602,860	408,039	19.90	744,155	503,673
2020	38,025	9.91	376,643	242,787	22.94	872,225	562,244	11.73	446,024	287,511	15.90	604,610	389,737	16.68	634,345	408,905	20.59	783,020	504,742
2021	38,658	10.25	396,313	243,302	23.74	917,778	563,436	12.14	469,319	288,121	16.46	636,187	390,564	17.27	667,475	409,772	21.31	823,915	505,812
2022	39,302	10.61	417,012	243,818	24.57	965,711	564,631	12.57	493,830	288,732	17.03	669,414	391,392	17.87	702,336	410,641	22.06	866,945	506,885
2023	39,956	10.98	438,791	244,335	25.43	1,016,148	565,829	13.00	519,621	289,344	17.63	704,375	392,222	18.50	739,016	411,512	22.83	912,223	507,960
2024	40,621	11.37	461,708	244,853	26.32	1,069,218	567,029	13.46	546,759	289,958	18.25	741,162	393,054	19.14	777,613	412,385	23.63	959,866	509,038
2025	41,297	11.76	485,821	245,373	27.24	1,125,060	568,232	13.93	575,315	290,573	18.88	779,871	393,888	19.81	818,226	413,259	24.46	1,009,997	510,117
2026	41,984	12.18	511,194	245,893	28.20	1,183,819	569,437	14.42	605,362	291,189	19.55	820,602	394,723	20.51	860,959	414,136	25.31	1,062,746	511,199
2027	42,683	12.60	537,893	246,415	29.18	1,245,646	570,645	14.92	636,978	291,807	20.23	863,459	395,561	21.22	905,924	415,014	26.20	1,118,250	512,283
2028	43,394	13.04	565,985	246,937	30.20	1,310,702	571,855	15.45	670,246	292,426	20.94	908,555	396,400	21.97	953,238	415,895	27.12	1,176,653	513,370
2029	44,116	13.50	595,545	247,461	31.26	1,379,157	573,068	15.99	705,251	293,046	21.67	956,006	397,240	22.74	1,003,023	416,777	28.06	1,238,106	514,459
2030	44,850	13.97	626,648	247,986	32.36	1,451,186	574,284	16.55	742,084	293,668	22.43	1,005,936	398,083	23.53	1,055,468	417,661	29.05	1,302,769	515,550
2031	45,597	14.46	659,376	248,512	33.49	1,526,977	575,502	17.12	780,841	294,291	23.21	1,058,473	398,927	24.36	1,110,529	418,547	30.06	1,370,809	516,643
2032	46,356	14.97	693,814	249,039	34.66	1,606,727	576,722	17.72	821,629	294,915	24.03	1,113,754	399,773	25.21	1,168,528	419,434	31.12	1,442,402	517,739
2033	47,127	15.49	730,050	249,567	35.87	1,690,641	577,945	18.34	864,532	295,540	24.87	1,171,922	400,621	26.09	1,229,557	420,324	32.21	1,517,735	518,837
2034	47,912	16.03	768,178	250,097	37.13	1,778,938	579,171	18.99	909,684	296,167	25.74	1,233,128	401,471	27.00	1,293,773	421,215	33.33	1,597,001	519,938
2035	48,709	16.59	808,298	250,627	38.43	1,871,847	580,400	19.65	957,194	296,795	26.64	1,297,530	402,323	27.95	1,361,343	422,109	34.50	1,680,408	521,041
2036	49,520	17.18	850,513	251,159	39.77	1,969,608	581,631	20.34	1,007,186	297,425	27.57	1,365,296	403,176	28.93	1,432,442	423,004	35.71	1,768,171	522,146
2037	50,344	17.78	894,932	251,691	41.17	2,072,475	582,864	21.05	1,059,788	298,056	28.54	1,436,602	404,031	29.94	1,507,254	423,901	36.96	1,860,517	523,253
2038	51,182	18.40	941,672	252,225	42.61	2,180,714	584,101	21.79	1,115,138	298,688	29.53	1,511,631	404,888	30.99	1,585,974	424,800	38.25	1,957,687	524,363
2039	52,034	19.04	990,853	252,760	44.10	2,294,606	585,339	22.55	1,173,378	299,321	30.57	1,590,579	405,747	32.07	1,668,805	425,701	39.59	2,059,931	525,475
2040	52,900	19.71	1,042,602	253,296	45.64	2,414,447	586,581	23.34	1,234,660	299,956	31.64	1,673,651	406,607	33.19	1,755,961	426,604	40.97	2,167,515	526,590
2041	53,780	20.40	1,097,054	253,834	47.24	2,540,546	587,825	24.16	1,299,143	300,592	32.75	1,761,061	407,470	34.36	1,847,670	427,509	42.41	2,280,718	527,707
2042	54,676	21.11	1,154,350	254,372	48.89	2,673,232	589,072	25.00	1,366,993	301,230	33.89	1,853,036	408,334	35.56	1,944,168	428,416	43.89	2,399,833	528,826
2043	55,586	21.85	1,214,638	254,911	50.60	2,812,847	590,321	25.88	1,438,387	301,869	35.08	1,949,814	409,200	36.80	2,045,707	429,325	45.43	2,525,169	529,948
2044	56,511	22.62	1,278,075	255,452	52.38	2,959,753	591,573	26.78	1,513,510	302,509	36.31	2,051,647	410,068	38.09	2,152,548	430,235	47.02	2,657,051	531,072
2045	57,451	23.41	1,344,825	255,994	54.21	3,114,333	592,828	27.72	1,592,556	303,151	37.58	2,158,799	410,938	39.42	2,264,969	431,148	48.66	2,795,821	532,198
2046	58,408	24.23	1,415,062	256,537	56.11	3,276,985	594,086	28.69	1,675,731	303,794	38.89	2,271,546	411,809	40.80	2,383,262	432,062	50.37	2,941,839	533,327
2047	59,380	25.08	1,488,966	257,081	58.07	3,448,132	595,346	29.69	1,763,249	304,438	40.25	2,390,183	412,683	42.23	2,507,732	432,979	52.13	3,095,482	534,458
2048	60,368	25.95	1,566,730	257,626	60.10	3,628,218	596,608	30.73	1,855,339	305,084	41.66	2,515,015	413,558	43.71	2,638,704	433,897	53.95	3,257,150	535,592
2049	61,373	26.86	1,648,556	258,173	62.21	3,817,709	597,874	31.81	1,952,238	305,731	43.12	2,646,367	414,435	45.24	2,776,516	434,817	55.84	3,427,262	536,728
2050	62,394	27.80	1,734,655	258,720	64.38	4,017,097	599,142	32.92	2,054,197	306,379	44.63	2,784,578	415,314	46.82	2,921,525	435,740	57.80	3,606,257	537,866
2051	63,433	28.77	1,825,251	259,269	66.64	4,226,898	600,413	34.08	2,161,482	307,029	46.19	2,930,009	416,195	48.46	3,074,108	436,664	59.82	3,794,602	539,007
2052	64,489	29.78	1,920,579	259,819	68.97	4,447,656	601,686	35.27	2,274,370	307,680	47.81	3,083,034	417,078	50.16	3,234,659	437,590	61.91	3,992,782	540,150
2053	65,562	30.82	2,020,885	260,370	71.38	4,679,944	602,962	36.50	2,393,153	308,333	49.48	3,244,052	417,962	51.91	3,403,596	438,518	64.08	4,201,314	541,296
2054	66,653	31.90	2,126,430	260,922	73.88	4,924,364	604,241	37.78	2,518,141	308,987	51.21	3,413,480	418,849	53.73	3,581,356	439,448	66.32	4,420,736	542,444
2055	67,763	33.02	2,237,487	261,476	76.47	5,181,549	605,523	39.10	2,649,656	309,642	53.00	3,591,756	419,737	55.61	3,768,399	440,380	68.65	4,651,618	543,594
2056	68,891	34.18	2,354,344	262,030	79.14	5,452,166	606,807	40.47	2,788,039	310,299	54.86	3,779,342	420,628	57.36	3,965,212	441,314	71.0		

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2067	82,608	49.89	4,121,678	268,209	115.55	9,544,939	621,116	59.09	4,880,935	317,616	80.09	6,616,378	430,546	84.03	6,941,774	451,720	103.73	8,568,752	557,592
2068	83,983	51.64	4,336,941	268,778	119.59	10,043,433	622,433	61.15	5,135,852	318,290	82.90	6,961,932	431,459	86.97	7,304,322	452,679	107.36	9,016,273	558,775
2069	85,381	53.45	4,563,447	269,348	123.78	10,567,983	623,753	63.29	5,404,082	318,965	85.80	7,325,533	432,374	90.02	7,685,806	453,639	111.12	9,487,166	559,960
2070	86,802	55.32	4,801,782	269,919	128.11	11,119,917	625,076	65.51	5,686,321	319,641	88.80	7,708,124	433,291	93.17	8,087,213	454,601	115.01	9,982,653	561,148
2071	88,246	57.26	5,052,565	270,492	132.59	11,700,678	626,402	67.80	5,983,301	320,319	91.91	8,110,697	434,210	96.43	8,509,584	455,565	119.03	10,504,018	562,338
2072	89,715	59.26	5,316,446	271,065	137.23	12,311,770	627,731	70.18	6,295,971	320,999	95.13	8,534,295	435,131	99.80	8,954,014	456,531	123.20	11,052,611	563,531
2073	91,209	61.33	5,594,108	271,640	142.03	12,954,777	629,062	72.63	6,624,602	321,679	98.46	8,980,016	436,054	103.30	9,421,656	457,500	127.51	11,629,857	564,724
2074	92,727	63.48	5,886,272	272,217	147.01	13,631,367	630,396	75.17	6,970,585	322,362	101.90	9,449,016	436,979	106.91	9,913,721	458,470	131.97	12,237,250	565,924
2075	94,270	65.70	6,193,695	272,794	152.15	14,343,293	631,733	77.80	7,334,639	323,045	105.47	9,942,510	437,906	110.66	10,431,486	459,442	136.59	12,876,365	567,124
2076	95,839	68.00	6,517,173	273,372	157.48	15,092,401	633,073	80.53	7,717,705	323,731	109.16	10,461,778	438,835	114.53	10,976,292	460,417	141.37	13,548,860	568,327
2077	97,434	70.38	6,857,546	273,952	162.99	15,880,633	634,416	83.35	8,120,778	324,417	112.98	11,008,166	439,766	118.54	11,549,551	461,393	146.32	14,256,477	569,532
2078	99,056	72.84	7,215,695	274,533	168.69	16,710,031	635,762	86.26	8,544,902	325,105	116.93	11,583,090	440,698	122.69	12,152,750	462,372	151.44	15,001,057	570,740
2079	100,705	75.39	7,592,550	275,116	174.60	17,582,747	637,110	89.28	8,991,177	325,795	121.03	12,188,040	441,633	126.98	12,787,452	463,353	156.74	15,784,511	571,951
2080	102,381	78.03	7,989,086	275,699	180.71	18,501,042	638,461	92.41	9,460,760	326,486	125.26	12,824,586	442,570	131.42	13,455,303	464,335	162.23	16,608,890	573,164
2081	104,085	80.76	8,406,333	276,284	187.03	19,467,297	639,815	95.64	9,954,868	327,178	129.65	13,494,376	443,508	136.02	14,158,034	465,320	167.90	17,476,323	574,380
2082	105,817	83.59	8,845,371	276,870	193.58	20,484,016	641,172	98.99	10,474,781	327,872	134.19	14,199,148	444,449	140.78	14,897,466	466,307	173.78	18,389,060	575,598
2083	107,579	86.52	9,307,338	277,457	200.35	21,553,836	642,532	102.45	11,021,848	328,568	138.88	14,940,727	445,392	145.71	15,675,517	467,296	179.86	19,349,467	576,819
2084	109,369	89.54	9,793,433	278,046	207.37	22,679,530	643,895	106.04	11,597,487	329,265	143.74	15,721,038	446,336	150.81	16,494,203	468,287	186.16	20,360,032	578,042
2085	111,190	92.68	10,304,915	278,635	214.62	23,864,015	645,261	109.75	12,203,189	329,963	148.77	16,542,101	447,283	156.09	17,355,647	469,281	192.67	21,423,377	579,268
2086	113,040	95.92	10,843,111	279,226	222.14	25,110,362	646,630	113.59	12,840,526	330,663	153.98	17,406,046	448,232	161.55	18,262,081	470,276	199.42	22,542,256	580,497
2087	114,922	99.28	11,409,414	279,819	229.91	26,421,802	648,001	117.57	13,511,149	331,364	159.37	18,315,113	449,183	167.21	19,215,856	471,273	206.40	23,719,572	581,728
2088	116,835	102.75	12,005,295	280,412	237.96	27,801,735	649,375	121.68	14,216,796	332,067	164.95	19,271,657	450,135	173.06	20,219,443	472,273	213.62	24,958,375	582,962
2089	118,779	106.35	12,632,296	281,007	246.29	29,253,737	650,753	125.94	14,959,297	332,771	170.72	20,278,159	451,090	179.12	21,275,445	473,275	221.10	26,261,878	584,199
2090	120,756	110.07	13,292,043	281,603	254.91	30,781,574	652,133	130.35	15,740,577	333,477	176.70	21,337,227	452,047	185.39	22,386,599	474,279	228.84	27,633,458	585,438
2091	122,766	113.93	13,986,247	282,200	263.83	32,389,205	653,516	134.91	16,562,661	334,184	182.88	22,451,608	453,006	191.87	23,555,785	475,285	236.85	29,076,672	586,679
2092	124,810	117.91	14,716,708	282,799	273.06	34,080,797	654,902	139.63	17,427,680	334,893	189.28	23,624,189	453,966	198.59	24,786,034	476,293	245.14	30,595,261	587,924
2093	126,887	122.04	15,485,318	283,399	282.62	35,860,737	656,291	144.52	18,337,877	335,604	195.91	24,858,011	454,929	205.54	26,080,536	477,303	253.71	32,193,162	589,171
2094	128,999	126.31	16,294,071	284,000	292.51	37,733,637	657,683	149.58	19,295,610	336,315	202.76	26,156,271	455,894	212.74	27,442,645	478,315	262.59	33,874,515	590,420
2095	131,146	130.73	17,145,062	284,602	302.75	39,704,354	659,078	154.81	20,303,363	337,029	209.86	27,522,336	456,861	220.18	28,875,894	479,330	271.79	35,643,682	591,673
2096	133,329	135.31	18,040,498	285,206	313.34	41,777,996	660,476	160.23	21,363,748	337,744	217.20	28,959,747	457,830	227.89	30,383,997	480,346	281.30	37,505,246	592,928
2097	135,548	140.04	18,982,700	285,811	324.31	43,959,937	661,877	165.84	22,479,513	338,460	224.81	30,472,229	458,801	235.86	31,970,863	481,365	291.14	39,464,034	594,185
2098	137,804	144.95	19,974,111	286,417	335.66	46,255,835	663,281	171.65	23,653,552	339,178	232.68	32,063,704	459,774	244.12	33,640,607	482,386	301.33	41,525,125	595,445
2099	140,098	150.02	21,017,299	287,024	347.41	48,671,641	664,688	177.65	24,888,907	339,897	240.82	33,738,297	460,749	252.66	35,397,557	483,409	311.88	43,693,859	596,708
2100	142,430	155.27	22,114,971	287,633	359.57	51,213,617	666,098	183.87	26,188,782	340,618	249.25	35,500,348	461,727	261.51	37,246,267	484,435	322.80	45,975,861	597,974
2101	144,801	160.70	23,269,971	288,243	372.16	53,888,354	667,510	190.31	27,556,544	341,341	257.97	37,354,427	462,706	270.66	39,191,530	485,462	334.09	48,377,045	599,242
2102	147,211	166.33	24,485,293	288,854	385.18	56,702,783	668,926	196.97	28,995,742	342,064	267.00	39,305,338	463,687	280.13	41,238,388	486,492	345.79	50,903,635	600,513
2103	149,661	172.15	25,764,087	289,467	398.66	59,664,203	670,345	203.86	30,510,104	342,790	276.35	41,358,140	464,671	289.94	43,392,147	487,524	357.89	53,562,182	601,787
2104	152,152	178.17	27,109,670	290,081	412.62	62,780,288	671,767	211.00	32,103,556	343,517	286.02	43,518,154	465,656	300.08	45,658,391	488,558	370.42	56,359,577	603,063
2105	154,685	184.41	28,525,528	290,696	427.06	66,059,117	673,192	218.38	33,780,231	344,246	296.03	45,790,979	466,644	310.59	48,042,995	489,594	383.38	59,303,071	604,342
2106	157,259	190.87	30,015,332	291,313	442.00	69,509,190	674,619	226.02	35,544,472	344,976	306.39	48,182,507	467,634	321.46	50,552,138	490,632	396.80	62,400,296	605,624
2107	159,877	197.55	31,582,945	291,931	457.47	73,139,451	676,050	233.94	37,400,855	345,708	317.11	50,698,937	468,626	332.71	53,192,328	491,673	410.69	65,659,279	606,909
2107	162,538	204.46	33,232,429	292,550	473.49	76,959,308	677,484	242.12	39,354,192	346,441	328.21	53,346,793	469,620	344.35	55,970,406	492,716	425.06	69,088,470	608,196
2107	165,243	211.62	34,968,060	293,170	490.06	80,978,666	678,921	250.60	41,409,545	347,176	339.70	56,132,939	470,616	356.41	58,893,575	493,761	439.94	72,696,757	609,486
2107	167,994	219.02	36,794,339	293,792	507.21	85,207,943	680,361	259.37	43,572,244	347,912	351.59	59,064,597	471,614	368.88	61,969,413	494,808	455.34	76,493,495	610,779
2107	170,790	226.69	38,715,999	294,415	524.96	89,658,103	681,804	268.45	45,847,894	348,650	363.89	62,149,367	472,614	381.79	65,205,893	495,858	471.27	80,488,524	612,074
		8,618,672		\$26,559,775		\$61,506,847			\$31,452,365			\$42,635,428			\$44,732,253			\$55,216,374	

Davis/Morgan County (Waste Projection & Transportation Costs)

Annual MSW Growth Rate 1.30%
 Inflation Rate 3.5%
 Discount Rate 5.0%

	Summary			
	1 yr	10 yr	50 yr	100 yr
Little Mountain	2,515,764.31	24,988,973.89	121,286,741.15	\$233,826,839
Promontory	2,622,818.12	26,052,334.49	126,447,879.07	\$243,776,917
West Hills	2,765,556.52	27,470,148.61	133,329,396.30	\$257,043,688
Rattlesnake Pass	3,336,510.12	33,141,405.09	160,855,465.21	\$310,110,772
Bulls Pass	3,443,563.92	34,204,765.69	166,016,603.13	\$320,060,850
Monument Peak	3,978,832.92	39,521,568.64	191,822,292.74	\$369,811,241

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2006	175,197																		
2007	177,470	\$11.75			\$12.25			\$12.92			\$15.58			\$16.08			\$18.58		
2008	179,730	12.16	-	-	12.68	-	-	13.37	-	-	16.13	-	-	16.65	-	-	19.23	-	-
2009	182,106	12.59	-	-	13.12	-	-	13.84	-	-	16.69	-	-	17.23	-	-	19.91	-	-
2010	184,468	13.03	-	-	13.58	-	-	14.32	-	-	17.28	-	-	17.83	-	-	20.60	-	-
2011	186,862	13.48	-	-	14.06	-	-	14.82	-	-	17.88	-	-	18.46	-	-	21.32	-	-
2012	189,286	13.96	\$2,641,553	\$2,515,764	14.55	\$2,753,959	\$2,622,818	15.34	\$2,903,834	\$2,765,557	18.51	\$3,503,336	\$3,336,510	19.10	\$3,615,742	\$3,443,564	22.07	\$4,177,775	\$3,978,833
2013	191,743	14.44	2,769,481	2,512,001	15.06	2,887,332	2,618,895	15.88	3,044,465	2,761,420	19.16	3,673,000	3,331,519	19.77	3,790,850	3,438,413	22.84	4,380,102	3,972,881
2014	194,230	14.95	2,903,605	2,508,244	15.59	3,027,163	2,614,977	16.43	3,191,907	2,757,289	19.83	3,850,881	3,265,536	20.46	3,974,439	3,433,270	23.64	4,592,227	3,966,938
2015	196,751	15.47	3,044,225	2,504,492	16.13	3,173,767	2,611,066	17.01	3,346,489	2,753,165	20.52	4,037,377	3,215,560	21.18	4,166,918	3,428,134	24.47	4,814,626	3,961,005
2016	199,304	16.01	3,191,655	2,500,745	16.70	3,327,470	2,607,160	17.60	3,508,557	2,749,046	21.24	4,232,904	3,316,591	21.92	4,368,719	3,423,006	25.33	5,047,795	3,955,080
2017	201,890	16.57	3,346,225	2,497,005	17.28	3,488,618	2,603,260	18.22	3,678,474	2,744,934	21.98	4,437,901	3,311,630	22.69	4,580,294	3,417,886	26.21	5,292,257	3,949,163
2018	204,509	17.15	3,508,281	2,493,270	17.88	3,657,569	2,599,366	18.86	3,856,621	2,740,828	22.75	4,652,826	3,306,677	23.48	4,802,115	3,412,773	27.13	5,548,557	3,943,256
2019	207,163	17.76	3,678,184	2,489,540	18.51	3,834,703	2,595,478	19.52	4,043,394	2,736,728	23.55	4,878,159	3,301,730	24.30	5,034,678	3,407,668	28.08	5,817,270	3,937,358
2020	209,851	18.38	3,856,317	2,485,816	19.16	4,020,415	2,591,595	20.20	4,239,213	2,732,635	24.37	5,114,406	3,296,791	25.15	5,278,504	3,402,571	29.06	6,098,997	3,931,468
2021	212,573	19.02	4,043,076	2,482,098	19.83	4,215,121	2,587,719	20.91	4,444,516	2,728,547	25.22	5,362,093	3,291,860	26.03	5,534,139	3,397,481	30.08	6,394,368	3,925,587
2022	215,332	19.69	4,238,879	2,478,385	20.52	4,419,257	2,583,848	21.64	4,659,761	2,724,466	26.11	5,621,776	3,286,936	26.95	5,802,154	3,392,399	31.13	6,704,043	3,919,715
2023	218,126	20.37	4,444,165	2,474,678	21.24	4,633,279	2,579,983	22.40	4,885,430	2,720,390	27.02	5,894,035	3,282,019	27.89	6,083,148	3,387,325	32.22	7,028,715	3,913,852
2024	220,956	21.09	4,659,394	2,470,976	21.98	4,857,666	2,576,124	23.18	5,122,028	2,716,321	27.97	6,179,479	3,277,110	28.86	6,377,751	3,382,258	33.35	7,369,112	3,907,997
2025	223,823	21.83	4,885,045	2,467,280	22.75	5,092,919	2,572,270	23.99	5,370,085	2,712,258	28.95	6,478,748	3,272,208	29.87	6,686,622	3,377,198	34.52	7,725,993	3,902,152
2026	226,727	22.59	5,121,625	2,463,589	23.55	5,339,566	2,568,423	24.83	5,630,155	2,708,201	29.96	6,792,509	3,267,313	30.92	7,010,451	3,372,147	35.73	8,100,158	3,896,315
2027	229,669	23.38	5,369,662	2,459,904	24.37	5,598,158	2,564,581	25.70	5,902,820	2,704,150	31.01	7,121,466	3,262,426	32.00	7,349,962	3,367,102	36.98	8,492,444	3,890,486
2028	232,649	24.20	5,629,711	2,456,224	25.23	5,869,273	2,560,744	26.60	6,188,689	2,700,105	32.09	7,466,354	3,257,546	33.12	7,705,917	3,362,066	38.27	8,903,727	3,884,667
2029	235,668	25.05	5,902,354	2,452,550	26.11	6,153,518	2,556,914	27.53	6,488,404	2,696,066	33.22	7,827,945	3,252,673	34.28	8,079,109	3,357,037	39.61	9,334,929	3,878,856
2030	238,725	25.92	6,188,202	2,448,882	27.02	6,451,529	2,553,089	28.50	6,802,633	2,692,033	34.38	8,207,048	3,247,807	35.48	8,470,375	3,352,015	41.00	9,787,014	3,873,054
2031	241,823	26.83	6,487,892	2,445,218	27.97	6,763,973	2,549,270	29.49	7,132,080	2,688,006	35.58	8,604,510	3,242,949	36.72	8,880,590	3,347,001	42.43	10,260,993	3,867,260
2032	244,961	27.77	6,802,097	2,441,561	28.95	7,091,548	2,545,457	30.53	7,477,482	2,683,985	36.83	9,021,221	3,238,098	38.01	9,310,672	3,341,995	43.92	10,757,926	3,861,476
2033	248,139	28.74	7,131,518	2,437,909	29.96	7,434,987	2,541,649	31.59	7,839,612	2,679,970	38.12	9,458,113	3,233,255	39.34	9,761,582	3,336,995	45.45	11,278,926	3,855,699
2034	251,359	29.75	7,476,893	2,434,262	31.01	7,795,059	2,537,847	32.70	8,219,280	2,675,962	39.45	9,916,163	3,228,418	40.72	10,234,329	3,332,004	47.04	11,825,157	3,849,932
2035	254,620	30.79	7,838,994	2,430,621	32.10	8,172,569	2,534,051	33.84	8,617,334	2,671,959	40.83	10,396,397	3,223,589	42.14	10,729,971	3,327,020	48.69	12,397,842	3,844,173
2036	257,924	31.86	8,218,632	2,426,985	33.22	8,568,361	2,530,261	35.03	9,034,666	2,667,962	42.26	10,899,888	3,218,767	43.62	11,249,617	3,322,043	50.40	12,998,262	3,838,423
2037	261,270	32.98	8,616,655	2,423,354	34.38	8,983,321	2,526,476	36.25	9,472,209	2,663,971	43.74	11,427,762	3,213,952	45.14	11,794,429	3,317,074	52.16	13,627,759	3,832,681
2038	264,661	34.13	9,033,954	2,419,729	35.59	9,418,378	2,522,697	37.52	9,899,943	2,659,986	45.27	11,981,202	3,209,145	46.72	12,365,625	3,312,112	53.99	14,287,743	3,826,948
2039	268,095	35.33	9,471,463	2,416,110	36.83	9,874,504	2,518,923	38.84	10,411,892	2,656,007	46.85	12,561,444	3,204,344	48.36	12,964,485	3,307,158	55.87	14,979,690	3,821,224
2040	271,573	36.57	9,930,160	2,412,496	38.12	10,352,720	2,515,155	40.20	10,916,133	2,652,034	48.49	13,169,787	3,199,551	50.05	13,592,347	3,302,211	57.83	15,705,147	3,815,508
2041	275,097	37.85	10,411,071	2,408,887	39.46	10,854,096	2,511,393	41.60	11,444,795	2,648,067	50.19	13,807,591	3,194,765	51.80	14,250,615	3,297,271	59.85	16,465,737	3,809,800
2042	278,666	39.17	10,915,273	2,405,284	40.84	11,379,753	2,507,636	43.06	11,999,059	2,644,106	51.95	14,476,284	3,189,986	53.62	14,940,764	3,292,339	61.95	17,263,162	3,804,101
2043	282,282	40.54	11,443,893	2,401,686	42.27	11,930,867	2,503,885	44.57	12,580,166	2,640,151	53.77	15,177,361	3,185,215	55.49	15,664,335	3,287,414	64.12	18,099,206	3,798,411
2044	285,945	41.96	11,998,113	2,398,093	43.75	12,508,671	2,500,140	46.13	13,189,415	2,636,202	55.65	15,912,391	3,180,450	57.43	16,422,949	3,282,497	66.36	18,975,739	3,792,729
2045	289,655	43.43	12,579,174	2,394,506	45.28	13,114,458	2,496,400	47.74	13,828,170	2,632,259	57.60	16,683,018	3,175,693	59.44	17,218,302	3,277,587	68.68	19,894,722	3,787,056
2046	293,413	44.95	13,188,376	2,390,924	46.86	13,749,583	2,492,666	49.41	14,497,860	2,628,321	59.61	17,490,966	3,170,942	61.52	18,052,174	3,272,684	71.09	20,858,211	3,781,931
2047	297,220	46.52	13,827,080	2,387,348	48.50	14,415,467	2,488,937	51.14	15,199,982	2,624,390	61.70	18,338,043	3,166,199	63.68	18,926,429	3,267,788	73.58	21,868,361	3,775,735
2048	301,077	48.15	14,496,717	2,383,777	50.20	15,113,599	2,485,214	52.93	15,936,108	2,620,464	63.86	19,226,143	3,161,463	65.91	19,843,024	3,262,900	76.15	22,927,432	3,770,087
2049	304,983	49.83	15,198,784	2,380,211	51.96	15,845,541	2,481,497	54.78	16,707,883	2,616,544	66.09	20,157,253	3,156,734	68.21	20,804,010	3,258,019	78.82	24,037,793	3,764,447
2050	308,941	51.58	15,934,852	2,376,651	53.77	16,612,930	2,477,785	56.70	17,517,036	2,612,630	68.41	21,133,456	3,152,012	70.60	21,811,535	3,253,146	81.58	25,201,929	3,758,816
2051	312,949	53.38	16,706,567	2,373,096	55.66	17,417,484	2,474,078	58.68	18,365,375	2,608,722	70.80	22,156,936	3,147,297	73.07	22,867,853	3,248,280	84.43	26,422,442	3,753,194
2052	317,010	55.25	17,515,655	2,369,546	57.60	18,261,002	2,470,378	60.74	19,254,798	2,604,820	73.28	23,229,982	3,142,589	75.63	23,975,329	3,243,421	87.39	27,702,064</	

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2067	384,641	92.57	35,605,251	2,316,932	96.51	37,120,368	2,415,525	101.76	39,140,525	2,546,982	122.77	47,221,149	3,072,811	126.71	48,736,266	3,171,404	146.40	56,311,851	3,664,368
2068	389,631	95.81	37,329,591	2,313,466	99.88	38,918,084	2,411,912	105.32	41,036,075	2,543,172	127.06	49,508,039	3,068,214	131.14	51,096,533	3,166,660	151.53	59,038,959	3,658,886
2069	394,687	99.16	39,137,440	2,310,006	103.38	40,802,863	2,408,304	109.01	43,023,427	2,539,368	131.51	51,905,683	3,063,625	135.73	53,571,106	3,161,923	156.83	61,898,220	3,653,413
2070	399,808	102.63	41,032,841	2,306,550	107.00	42,778,920	2,404,701	112.82	45,107,024	2,535,570	136.11	54,419,442	3,059,042	140.48	56,165,520	3,157,193	162.32	64,895,912	3,647,948
2071	404,996	106.22	43,020,036	2,303,100	110.74	44,850,676	2,401,104	116.77	47,291,529	2,531,777	140.88	57,054,941	3,054,466	145.40	58,885,581	3,152,470	168.00	68,038,780	3,642,492
2072	410,251	109.94	45,103,469	2,299,655	114.62	47,022,766	2,397,513	120.86	49,581,828	2,527,990	145.81	59,818,076	3,049,897	150.49	61,737,373	3,147,755	173.88	71,333,855	3,637,043
2073	415,574	113.79	47,287,802	2,296,215	118.63	49,300,049	2,393,926	125.09	51,983,046	2,524,208	150.91	62,715,028	3,045,335	155.75	64,727,275	3,143,046	179.96	74,788,509	3,631,603
2074	420,966	117.77	49,577,920	2,292,780	122.78	51,687,619	2,390,346	129.47	54,500,551	2,520,432	156.19	65,752,277	3,040,780	161.21	67,861,976	3,138,345	186.26	78,410,469	3,626,170
2075	426,428	121.89	51,978,948	2,289,351	127.08	54,190,818	2,386,770	134.00	57,139,978	2,516,662	161.66	68,936,618	3,036,231	166.85	71,148,489	3,133,650	192.78	82,207,839	3,620,746
2076	431,961	126.16	54,496,255	2,285,926	131.53	56,815,245	2,383,200	138.69	59,907,231	2,512,898	167.32	72,275,175	3,031,689	172.69	74,594,165	3,128,963	199.53	86,189,113	3,615,330
2077	437,566	130.58	57,135,475	2,282,507	136.13	59,566,771	2,379,635	143.54	62,808,500	2,509,139	173.17	75,775,417	3,027,155	178.73	78,206,713	3,124,283	206.51	90,363,197	3,609,922
2078	443,243	135.15	59,902,510	2,279,093	140.90	62,451,552	2,376,075	148.56	65,850,276	2,505,386	179.24	79,445,172	3,022,626	184.99	81,994,215	3,119,609	213.74	94,739,430	3,604,522
2079	448,995	139.88	62,803,550	2,275,683	145.83	65,476,042	2,372,521	153.76	69,039,364	2,501,638	185.51	83,292,652	3,018,105	191.46	85,965,143	3,114,943	221.22	99,327,601	3,599,131
2080	454,820	144.77	65,845,087	2,272,279	150.93	68,647,005	2,368,972	159.15	72,382,897	2,497,896	192.00	87,328,462	3,013,590	198.16	90,128,381	3,110,283	228.97	104,137,974	3,593,747
2081	460,722	149.84	69,033,923	2,268,880	156.21	71,971,536	2,365,429	164.72	75,888,355	2,494,159	198.72	91,555,628	3,009,083	205.10	94,493,242	3,105,631	236.98	109,181,310	3,588,371
2082	466,700	155.08	72,377,192	2,265,487	161.68	75,457,073	2,361,890	170.48	79,563,580	2,490,429	205.68	95,989,609	3,004,582	212.28	99,069,490	3,100,985	245.27	114,468,892	3,583,004
2083	472,755	160.51	75,882,374	2,262,098	167.34	79,111,411	2,358,357	176.45	83,416,794	2,486,703	212.88	100,638,325	3,000,087	219.71	103,867,363	3,096,347	253.86	120,012,549	3,577,644
2084	478,889	166.13	79,557,309	2,258,714	173.20	82,942,727	2,354,830	182.62	87,456,617	2,482,984	220.33	105,512,176	2,995,599	227.40	108,897,594	3,091,715	262.74	125,824,681	3,572,292
2085	485,103	171.94	83,410,220	2,255,335	179.26	86,959,591	2,351,307	189.02	91,692,085	2,479,269	228.04	110,622,064	2,991,119	235.35	114,171,435	3,087,090	271.94	131,918,291	3,566,949
2086	491,397	177.96	87,449,724	2,251,962	185.53	91,170,989	2,347,790	195.63	96,132,675	2,475,561	236.02	115,979,421	2,986,644	243.59	119,700,686	3,082,472	281.46	138,307,010	3,561,613
2087	497,773	184.19	91,684,859	2,248,593	192.03	95,586,342	2,344,278	202.48	100,788,320	2,471,858	244.28	121,596,231	2,982,177	252.12	125,497,715	3,077,862	291.31	145,005,132	3,556,286
2088	504,232	190.64	96,125,099	2,245,230	198.75	100,215,529	2,340,771	209.57	105,669,435	2,468,160	252.83	127,485,060	2,977,716	260.94	131,575,490	3,073,258	301.50	152,027,639	3,550,966
2089	510,775	197.31	100,780,377	2,241,871	205.70	105,068,903	2,337,270	216.90	110,786,939	2,464,468	261.68	133,659,081	2,973,262	270.08	137,947,608	3,068,661	312.06	159,390,241	3,545,654
2090	517,402	204.21	105,661,107	2,238,518	212.90	110,157,324	2,333,774	224.49	116,152,281	2,460,782	270.84	140,132,106	2,968,814	279.53	144,628,324	3,064,070	322.98	167,109,410	3,540,351
2091	524,116	211.36	110,778,208	2,235,169	220.36	115,492,174	2,330,283	232.35	121,777,462	2,457,101	280.32	146,918,616	2,964,373	289.31	151,632,582	3,059,487	334.28	175,202,414	3,535,055
2092	530,916	218.76	116,143,126	2,231,826	228.07	121,085,387	2,326,797	240.48	127,675,068	2,453,429	290.13	154,033,792	2,959,939	299.44	158,976,052	3,054,910	345.98	183,687,356	3,529,767
2093	537,805	226.42	121,767,865	2,228,487	236.05	126,949,476	2,323,317	248.90	133,858,291	2,449,756	300.28	161,493,551	2,955,512	309.92	166,675,162	3,050,341	358.09	192,583,219	3,524,487
2094	544,783	234.34	127,665,006	2,225,154	244.31	133,097,559	2,319,841	257.61	140,340,964	2,446,091	310.79	169,314,582	2,951,091	320.76	174,747,135	3,045,778	370.62	201,909,903	3,519,215
2095	551,852	242.54	133,847,741	2,221,825	252.86	139,543,390	2,316,371	266.63	147,137,588	2,442,432	321.67	177,514,380	2,946,676	331.99	183,210,029	3,041,222	383.60	211,688,272	3,513,951
2096	559,012	251.03	140,329,903	2,218,502	261.71	146,301,388	2,312,906	275.96	154,263,369	2,438,779	332.93	186,111,290	2,942,268	343.61	192,082,775	3,036,673	397.02	221,940,201	3,508,694
2097	566,265	259.82	147,125,992	2,215,183	270.87	153,386,672	2,309,446	285.62	161,734,246	2,435,131	344.58	195,124,542	2,937,867	355.64	201,385,223	3,032,130	410.92	232,688,625	3,503,446
2098	573,613	268.91	154,251,211	2,211,870	280.35	160,815,092	2,305,992	295.61	169,566,934	2,431,488	356.64	204,574,301	2,933,473	368.08	211,138,182	3,027,595	425.30	243,957,589	3,498,205
2099	581,056	278.32	161,721,500	2,208,561	290.17	168,603,266	2,302,543	305.96	177,778,954	2,427,851	369.12	214,481,705	2,929,085	380.97	221,363,471	3,023,066	440.19	255,772,301	3,492,973
2100	588,595	288.06	169,553,570	2,205,258	300.32	176,768,616	2,299,098	316.67	186,388,676	2,424,219	382.04	224,868,919	2,924,703	394.30	232,083,965	3,018,544	455.59	268,159,192	3,487,748
2101	596,232	298.15	177,764,943	2,201,959	310.83	185,329,408	2,295,659	327.75	195,415,362	2,420,593	395.42	235,759,179	2,920,328	408.10	243,323,645	3,014,029	471.54	281,145,973	3,482,531
2102	603,968	308.58	186,373,987	2,198,665	321.71	194,304,795	2,292,225	339.22	204,879,205	2,416,972	409.25	247,176,848	2,915,960	422.39	255,107,655	3,009,520	488.04	294,761,695	3,477,321
2103	611,805	319.38	195,399,961	2,195,376	332.97	203,714,853	2,288,797	351.09	214,801,376	2,413,357	423.58	259,147,466	2,911,598	437.17	267,462,358	3,005,019	505.12	309,036,818	3,472,120
2104	619,743	330.56	204,863,058	2,192,092	344.63	213,580,635	2,285,373	363.38	225,204,071	2,409,747	438.40	271,697,815	2,907,243	452.47	280,415,392	3,000,524	522.80	324,003,276	3,466,926
2105	627,785	342.13	214,784,447	2,188,813	356.69	223,924,211	2,281,954	376.10	236,110,562	2,406,142	453.75	284,855,969	2,902,894	468.31	293,995,732	2,996,035	541.10	339,694,551	3,461,740
2106	635,930	354.11	225,186,322	2,185,539	369.17	234,768,719	2,278,541	389.26	247,545,248	2,402,543	469.63	298,651,364	2,898,552	484.70	308,233,760	2,991,554	560.04	356,145,744	3,456,562
2107	644,182	366.50	236,091,954	2,182,270	382.09	246,138,420	2,275,133	402.89	259,533,708	2,398,949	486.07	313,114,861	2,894,216	501.66	323,161,327	2,987,079	579.64	373,393,658	3,451,392
2107	652,540	379.33	247,525,738	2,179,006	395.47	258,058,748	2,271,729	416.99	272,102,762	2,395,361	503.08	328,278,816	2,889,887	519.22	338,811,826	2,982,611	599.93	391,476,877	3,446,229
2107	661,007	392.60	259,513,254	2,175,746	409.31	270,556,371	2,268,331	431.58	285,280,527	2,391,778	520.69	344,177,152	2,885,564	537.39	355,220,269	2,978,149	620.93	410,435,855	3,441,074
2107	669,584	406.34	272,081,317	2,172,492	423.64	283,659,245	2,264,938	446.69	299,096,483	2,388,200	538.91	360,845,435	2,881,248	556.20	372,423,363	2,973,694	642.66	430,313,005	3,435,926
2107	678,272	420.57	285,258,044	2,169,242	438.46	297,396,684	2,261,550	462.32	313,581,537	2,384,628	557.77	378,320,952	2,876,938	575.67	390,459,592	2,969,246	665.15		

Cache County (Waste Projection & Transportation Costs)

Annual MSW Growth Rate 2.15%
Inflation Rate 3.5%
Discount Rate 5.0%

	Summary			
	1 yr	10 yr	50 yr	100 yr
Little Mountain	\$1,723,876	\$17,788,023	\$102,645,076	\$247,768,082
Promontory	\$2,807,454	\$28,969,066	\$167,164,838	\$403,508,019
West Hills	\$1,354,474	\$13,976,304	\$80,649,703	\$194,674,921
Rattlesnake Pass	\$1,748,502	\$18,042,137	\$104,111,434	\$251,307,626
Bulls Pass	\$1,797,756	\$18,550,367	\$107,044,151	\$258,386,714
Monument Peak	\$2,167,158	\$22,362,086	\$129,039,524	\$311,479,874

Year	MSW (tons)	To Little Mountain		To Promontory		To West Hills		To Rattlesnake Pass		To Bulls Pass		To Monument Peak							
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV						
2006	114,949																		
2007	117,425	\$11.67		\$19.00		\$9.17		\$11.83		\$12.17		\$14.67							
2008	119,955	12.08	-	19.67	-	9.49	-	12.25	-	12.59	-	15.18	-						
2009	122,539	12.50	-	20.35	-	9.82	-	12.68	-	13.03	-	15.71	-						
2010	125,179	12.94	-	21.07	-	10.16	-	13.12	-	13.49	-	16.26	-						
2011	127,876	13.39	-	21.80	-	10.52	-	13.58	-	13.96	-	16.83	-						
2012	130,631	13.86	\$1,810,069	\$1,723,876	\$2,947,827	\$2,807,454	\$10,889	\$1,422,197	\$1,354,474	14.05	\$1,835,927	\$1,748,502	14.45	\$1,887,644	\$1,797,756	17.42	\$2,275,516	\$2,167,158	
2013	133,445	14.34	1,913,782	1,735,857	23.16	3,116,731	2,826,967	11.27	1,503,686	1,363,887	14.55	1,941,122	1,760,655	14.96	1,995,801	1,810,251	18.03	2,405,897	2,182,220
2014	136,320	14.84	2,023,437	1,747,921	24.37	3,295,312	2,846,614	11.66	1,589,844	1,373,367	15.06	2,052,343	1,772,891	15.48	2,110,156	1,822,832	18.66	2,543,750	2,197,387
2015	139,257	15.36	2,139,375	1,760,069	25.02	3,484,126	2,866,399	12.07	1,680,938	1,382,912	15.58	2,169,938	1,785,213	16.02	2,231,063	1,835,501	19.31	2,689,500	2,212,659
2016	142,257	15.90	2,261,957	1,772,302	25.90	3,683,758	2,886,321	12.49	1,777,252	1,392,523	16.13	2,294,270	1,797,621	16.58	2,358,898	1,848,258	19.99	2,843,603	2,228,037
2017	145,322	16.46	2,391,561	1,784,620	26.80	3,894,828	2,906,381	12.93	1,879,084	1,402,201	16.69	2,425,726	1,810,114	17.16	2,494,057	1,861,104	20.69	3,006,534	2,243,522
2018	148,453	17.03	2,528,592	1,797,023	27.74	4,117,993	2,926,581	13.38	1,986,751	1,411,947	17.28	2,566,715	1,822,695	17.76	2,636,960	1,874,038	21.41	3,178,802	2,259,115
2019	151,651	17.63	2,673,474	1,809,513	28.71	4,353,944	2,946,921	13.85	2,100,587	1,421,760	17.88	2,711,667	1,835,363	18.38	2,788,052	1,887,063	22.16	3,360,939	2,274,816
2020	154,918	18.25	2,826,658	1,822,089	29.72	4,603,415	2,967,402	14.34	2,220,946	1,431,641	18.51	2,867,039	1,848,119	19.03	2,947,801	1,900,179	22.94	3,553,513	2,290,626
2021	158,256	18.88	2,988,619	1,834,753	30.76	4,867,180	2,988,026	14.84	2,348,201	1,441,592	19.15	3,031,314	1,860,964	19.69	3,116,703	1,913,385	23.74	3,757,121	2,306,546
2022	161,665	19.55	3,159,860	1,847,505	31.83	5,146,058	3,008,793	15.36	2,482,747	1,451,611	19.82	3,205,001	1,873,898	20.38	3,295,282	1,926,683	24.57	3,972,395	2,322,577
2023	165,148	20.23	3,340,912	1,860,345	32.95	5,440,915	3,029,705	15.89	2,625,003	1,461,700	20.52	3,388,640	1,886,921	21.10	3,484,094	1,940,074	25.43	4,200,004	2,338,719
2024	168,706	20.94	3,532,339	1,873,275	34.10	5,752,666	3,050,762	16.45	2,775,409	1,471,859	21.24	3,582,801	1,900,036	21.84	3,683,725	1,953,558	26.32	4,440,654	2,354,974
2025	172,340	21.67	3,734,733	1,886,294	35.29	6,082,280	3,071,965	17.03	2,934,433	1,482,088	21.98	3,788,087	1,913,241	22.60	3,894,793	1,967,135	27.24	4,695,094	2,371,341
2026	176,053	22.43	3,948,725	1,899,404	36.53	6,430,781	3,093,315	17.62	3,102,570	1,492,389	22.75	4,005,135	1,926,539	23.39	4,117,956	1,980,807	28.20	4,964,111	2,387,822
2027	179,846	23.21	4,174,977	1,912,605	37.81	6,799,249	3,114,814	18.24	3,280,339	1,502,761	23.55	4,234,620	1,939,928	24.21	4,353,905	1,994,574	29.18	5,248,543	2,404,418
2028	183,720	24.03	4,414,194	1,925,898	39.13	7,188,830	3,136,463	18.88	3,468,295	1,513,206	24.37	4,477,254	1,953,411	25.06	4,603,374	2,008,437	30.20	5,549,272	2,421,129
2029	187,678	24.87	4,667,117	1,939,283	40.50	7,607,373	3,158,262	19.54	3,667,020	1,523,723	25.22	4,733,790	1,966,987	25.93	4,867,136	2,022,396	31.26	5,867,232	2,437,956
2030	191,722	25.74	4,934,531	1,952,762	41.92	8,036,237	3,180,212	20.22	3,877,132	1,534,313	26.11	5,005,025	1,980,658	26.84	5,146,011	2,036,451	32.36	6,203,411	2,454,900
2031	195,852	26.64	5,217,268	1,966,334	43.38	8,496,694	3,202,315	20.93	4,099,282	1,544,976	27.02	5,291,801	1,994,424	27.78	5,440,866	2,050,605	33.49	6,558,852	2,471,962
2032	200,071	27.57	5,516,206	1,980,000	44.90	8,983,535	3,224,571	21.66	4,334,162	1,555,714	27.97	5,595,009	2,008,286	28.75	5,752,614	2,064,857	34.66	6,934,659	2,489,143
2033	204,382	28.54	5,832,271	1,993,761	46.47	9,498,270	3,246,982	22.42	4,582,499	1,566,527	28.94	5,915,589	2,022,243	29.76	6,082,226	2,079,208	35.87	7,331,998	2,506,443
2034	208,785	29.53	6,166,447	2,007,618	48.10	10,042,499	3,269,549	23.21	4,845,065	1,577,414	29.96	6,254,539	2,036,298	30.80	6,430,723	2,093,659	37.13	7,752,104	2,523,863
2035	213,283	30.57	6,519,769	2,021,571	49.78	10,617,910	3,292,723	24.02	5,122,676	1,588,377	31.01	6,612,909	2,050,451	31.88	6,799,188	2,108,210	38.43	8,196,282	2,541,404
2036	217,878	31.64	6,893,337	2,035,621	51.53	11,226,291	3,315,155	24.86	5,416,193	1,599,417	32.09	6,991,813	2,064,702	32.99	7,188,765	2,122,862	39.77	8,665,909	2,559,067
2037	222,571	32.75	7,288,309	2,049,769	53.33	11,869,531	3,338,196	25.73	5,726,528	1,610,533	33.21	7,392,427	2,079,502	34.15	7,600,665	2,137,617	41.17	9,162,445	2,576,853
2038	227,366	33.89	7,705,912	2,064,015	55.20	12,549,627	3,361,397	26.63	6,054,645	1,621,726	34.38	7,815,996	2,093,501	35.34	8,036,165	2,152,473	42.61	9,687,432	2,594,762
2039	232,265	35.08	8,147,442	2,078,361	57.13	13,268,691	3,384,759	27.56	6,401,562	1,632,998	35.58	8,263,834	2,108,051	36.58	8,496,618	2,167,433	44.10	10,242,499	2,612,796
2040	237,269	36.31	8,614,271	2,092,806	59.13	14,028,956	3,408,283	28.53	6,768,356	1,644,347	36.82	8,737,332	2,122,703	37.86	8,983,454	2,182,497	45.64	10,829,370	2,630,956
2041	242,380	37.58	9,107,849	2,107,351	61.20	14,832,782	3,431,971	29.52	7,156,167	1,655,776	38.11	9,237,961	2,137,456	39.19	9,498,185	2,197,666	47.24	11,449,867	2,649,241
2042	247,602	38.89	9,629,707	2,121,997	63.34	15,682,665	3,455,824	30.56	7,566,198	1,667,283	39.45	9,767,274	2,152,311	40.56	10,042,409	2,212,940	48.89	12,105,917	2,667,654
2043	252,936	40.25	10,181,466	2,136,745	65.56	16,581,245	3,479,842	31.63	7,999,724	1,678,871	40.83	10,326,916	2,167,270	41.98	10,617,815	2,228,320	50.60	12,799,558	2,686,194
2044	258,385	41.66	10,764,840	2,151,596	67.85	17,531,311	3,504,028	32.73	8,458,089	1,690,540	42.26	10,918,624	2,182,333	43.45	11,226,191	2,243,807	52.38	13,532,942	2,704,864
2045	263,952	43.12	11,381,640	2,166,550	70.22	18,535,814	3,528,381	33.88	8,942,717	1,702,289	43.74	11,544,235	2,197,501	44.97	11,869,425	2,259,402	54.21	14,308,348	2,732,663
2046	269,638	44.63	12,033,781	2,181,608	72.68	19,597,872	3,552,904	35.07	9,455,114	1,714,120	45.27	12,205,692	2,212,773	46.54	12,549,515	2,275,105	56.11	15,128,182	2,742,592
2047	275,447	46.19	12,723,289	2,196,770	75.23	20,720,784	3,577,597	36.29	9,996,870	1,726,034	46.85	12,950,050	2,228,153	48.17	13,268,572	2,290,917	58.07	15,994,991	2,761,654
2048	281,381	47.81	13,452,303	2,212,038	77.86	21,908,036	3,602,462	37.56	10,569,667	1,738,030	48.49	13,644,479	2,243,638	49.86	14,028,830	2,306,840	60.10	16,911,467	2,780,848
2049	287,443	49.48	14,223,088	2,227,412	80.58	23,163,315	3,627,499	38.88	11,175,284	1,750,109	50.19	14,426,275	2,259,232	51.60	14,832,649	2,322,872	62.21	17,880,454	2,800,175
2050	293,636	51.21	15,038,037	2,242,893	83.40	24,490,518	3,652,711	40.24	11,815,601	1,762,273	51.94	15,252,867	2,274,934	53.41	15,682,525	2,339,017	64.38	18,904,961	2,819,637
2051	299,962	53.01	15,899,682	2,258,481	86.32	25,893,767	3,678,998	41.65	12,492,607	1,774,521	53.76	16,126,820	2,290,745	55.28	16,581,096	2,355,273	66.64	19,988,171	2,839,233
2052	306,424	54.86	16,810,696	2,274,178	89.34	27,377,419	3,703,661	43.10	13,208,404	1,786,854	55.64	17,050,849	2,306,666	57.21	17,531,154	2,371,643	68.97	21,133,446	2,858,966
2053	313,026	56.78	17,773,909	2,289,984	92.47	28,946,080	3,729,402	44.61	13,965,214	1,799,273	57.61	18,027,822	2,322,698	59.21	18,535,648	2,388,126	71.38	22,344,343	2,878,837
2054	319,769	58.77	1																

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2067	421,868	91.91	38,774,358	2,523,155	149.68	63,146,812	4,109,138	72.22	30,465,567	1,982,479	93.22	39,328,277	2,559,200	95.85	40,436,116	2,631,290	115.55	48,744,907	3,171,966
2068	430,957	95.13	40,996,037	2,540,691	154.92	66,764,975	4,137,697	74.74	32,211,172	1,996,257	96.49	41,581,695	2,576,986	99.20	42,753,010	2,649,578	119.59	51,537,875	3,194,011
2069	440,241	98.46	43,345,013	2,558,349	160.34	70,590,450	4,166,454	77.36	34,056,796	2,010,131	99.86	43,964,228	2,594,897	102.68	45,202,657	2,667,993	123.78	54,490,874	3,216,210
2070	449,726	101.90	45,828,580	2,576,130	165.96	74,635,116	4,195,412	80.07	36,008,170	2,024,102	103.36	46,483,274	2,612,932	106.27	47,792,662	2,686,535	128.11	57,613,072	3,238,563
2071	459,414	105.47	48,454,450	2,594,034	171.77	78,911,532	4,224,570	82.87	38,071,353	2,038,170	106.98	49,146,656	2,631,092	109.99	50,531,069	2,705,207	132.59	60,914,165	3,261,072
2072	469,312	109.16	51,230,775	2,612,063	177.78	83,432,977	4,253,932	85.77	40,252,752	2,052,335	110.72	51,962,643	2,649,378	113.84	53,426,380	2,724,009	137.23	64,404,403	3,283,737
2073	479,422	112.98	54,166,177	2,630,217	184.00	88,213,489	4,283,497	88.77	42,559,139	2,066,599	114.60	54,939,980	2,667,792	117.82	56,487,585	2,742,941	142.03	68,094,623	3,306,559
2074	489,751	116.94	57,269,771	2,648,498	190.44	93,267,914	4,313,268	91.88	44,997,678	2,080,963	118.61	58,087,911	2,686,333	121.95	59,724,190	2,762,005	147.01	71,996,284	3,329,540
2075	500,302	121.03	60,551,194	2,666,905	197.10	98,611,945	4,343,246	95.09	47,575,938	2,095,425	122.76	61,416,211	2,705,004	126.22	63,146,245	2,781,201	152.15	76,121,501	3,352,681
2076	511,080	125.27	64,020,635	2,685,441	204.00	104,262,176	4,373,432	98.42	50,301,927	2,109,989	127.05	64,935,215	2,723,804	130.63	66,764,376	2,800,531	157.48	80,483,083	3,375,982
2077	522,091	129.65	67,688,866	2,704,105	211.14	110,236,153	4,403,828	101.87	53,184,109	2,124,654	131.50	68,655,849	2,742,735	135.21	70,589,817	2,819,995	162.99	85,094,574	3,399,446
2078	533,338	134.19	71,567,278	2,722,899	218.53	116,552,424	4,434,435	105.43	56,231,433	2,139,420	136.10	72,589,667	2,761,797	139.94	74,634,447	2,839,594	168.69	89,970,292	3,423,072
2079	544,828	138.88	75,667,914	2,741,823	226.18	123,230,602	4,465,255	109.12	59,453,361	2,154,290	140.87	76,748,884	2,780,992	144.84	78,910,824	2,859,330	174.60	95,125,377	3,446,863
2080	556,566	143.74	80,003,506	2,760,879	234.10	130,291,425	4,496,289	112.94	62,859,898	2,169,262	145.80	81,146,414	2,800,320	149.91	83,432,228	2,879,202	180.71	100,575,837	3,470,819
2081	568,556	148.78	84,587,518	2,780,068	242.29	137,756,816	4,527,539	116.90	66,461,622	2,184,339	150.90	85,795,912	2,819,783	155.15	88,212,698	2,899,213	187.03	106,338,595	3,494,942
2082	580,805	153.98	89,434,183	2,799,389	250.77	145,649,956	4,559,006	120.99	70,269,716	2,199,520	156.18	90,711,815	2,839,381	160.58	93,267,077	2,919,363	193.58	112,431,545	3,519,232
2083	593,318	159.37	94,558,551	2,818,846	259.55	153,995,354	4,590,691	125.22	74,296,004	2,214,807	161.65	95,909,387	2,859,115	166.20	98,611,060	2,939,653	200.35	118,873,607	3,543,692
2084	606,100	164.95	99,976,532	2,838,437	268.63	162,818,924	4,622,597	129.60	78,552,990	2,230,200	167.31	101,404,769	2,878,986	172.02	104,261,241	2,960,084	207.37	125,684,784	3,568,321
2085	619,158	170.72	105,704,952	2,858,164	278.04	172,148,064	4,654,725	134.14	83,053,891	2,245,701	173.16	107,215,022	2,898,995	178.04	110,235,164	2,980,657	214.62	132,886,225	3,593,121
2086	632,497	176.70	111,761,596	2,878,029	287.77	182,011,741	4,687,076	138.84	87,812,682	2,261,308	179.22	113,358,190	2,919,144	184.27	116,551,378	3,001,373	222.14	140,500,292	3,618,094
2087	646,123	182.88	118,165,271	2,898,032	297.84	192,440,584	4,719,652	143.69	92,844,142	2,277,025	185.50	119,853,346	2,939,432	190.72	123,229,497	3,022,233	229.91	148,550,626	3,643,240
2088	660,043	189.28	124,935,862	2,918,173	308.26	203,466,975	4,752,454	148.72	98,163,892	2,292,851	191.99	126,720,660	2,959,862	197.40	130,290,256	3,043,238	237.96	157,062,227	3,668,561
2089	674,262	195.91	132,094,392	2,938,455	319.05	215,125,152	4,785,484	153.93	103,788,451	2,308,786	198.71	133,981,455	2,980,433	204.31	137,755,580	3,064,389	246.29	166,061,521	3,694,058
2090	688,788	202.77	139,663,088	2,958,878	330.22	227,451,315	4,818,744	159.32	109,735,284	2,324,832	205.66	141,586,275	3,001,147	211.46	145,648,649	3,085,687	254.91	175,576,454	3,719,732
2091	703,627	209.86	147,665,453	2,979,442	341.78	240,483,739	4,852,235	164.89	116,022,856	2,340,990	212.86	149,774,960	3,022,006	218.86	153,993,973	3,107,133	263.83	185,636,570	3,745,585
2092	718,786	217.21	156,126,335	3,000,150	353.74	254,262,889	4,885,958	170.66	122,670,692	2,357,261	220.31	158,356,711	3,043,009	226.52	162,817,464	3,128,728	273.06	196,273,107	3,771,617
2093	734,271	224.81	165,072,005	3,021,001	366.12	268,831,552	4,919,916	176.64	129,699,433	2,373,644	228.02	167,030,177	3,064,158	234.45	172,146,520	3,150,473	282.62	207,519,092	3,797,830
2094	750,090	232.68	174,530,241	3,041,998	378.93	284,234,965	4,954,110	182.82	137,130,904	2,390,141	236.00	177,023,531	3,085,455	242.65	182,010,109	3,172,369	292.51	219,409,446	3,824,226
2095	766,250	240.82	184,530,412	3,063,140	392.20	300,520,957	4,988,542	189.22	144,988,181	2,406,753	244.26	187,166,561	3,106,899	251.14	192,438,858	3,194,417	302.75	231,981,089	3,850,804
2096	782,758	249.25	195,103,569	3,084,429	405.92	317,740,098	5,023,213	195.84	153,295,661	2,423,480	252.81	197,890,762	3,128,492	259.93	203,465,150	3,216,619	313.34	245,273,058	3,877,568
2097	799,621	257.98	206,282,542	3,105,866	420.13	335,945,855	5,058,125	202.69	162,079,140	2,440,324	261.66	209,229,436	3,150,236	269.03	215,123,223	3,238,975	324.31	259,326,625	3,904,518
2098	816,848	267.00	218,102,045	3,127,452	434.84	355,194,759	5,093,280	209.79	171,365,892	2,457,284	270.82	221,217,788	3,172,130	278.45	227,449,275	3,261,486	335.66	274,185,428	3,931,655
2099	834,446	276.35	230,598,777	3,149,189	450.06	375,546,579	5,128,679	217.13	181,184,753	2,474,363	280.30	233,893,045	3,194,177	288.19	240,481,581	3,284,154	347.41	289,895,605	3,958,980
2100	852,423	286.02	243,811,542	3,171,076	465.81	397,064,511	5,164,324	224.73	191,566,211	2,491,560	290.11	247,294,564	3,216,377	298.28	254,260,608	3,306,979	359.57	306,505,938	3,986,495
2101	870,787	296.03	257,781,367	3,193,115	482.11	419,815,370	5,200,216	232.60	202,542,503	2,508,876	300.26	261,463,958	3,238,731	308.72	268,829,140	3,329,963	372.16	324,068,005	4,014,202
2102	889,547	306.39	272,551,631	3,215,308	498.98	443,869,799	5,236,359	240.74	214,147,710	2,526,313	310.77	276,445,226	3,261,241	319.52	284,232,415	3,353,107	385.18	342,636,336	4,042,101
2103	908,711	317.12	288,168,195	3,237,655	516.45	469,302,490	5,272,752	249.16	226,417,868	2,543,872	321.65	292,284,884	3,283,907	330.71	300,518,261	3,376,411	398.66	362,268,589	4,070,195
2104	928,288	328.22	304,679,552	3,260,157	534.52	496,192,414	5,309,398	257.88	239,391,077	2,561,552	332.91	309,032,117	3,306,731	342.28	317,737,247	3,399,878	412.62	383,025,723	4,098,483
2105	948,286	339.70	322,136,971	3,282,815	553.23	524,623,067	5,346,299	266.91	253,107,620	2,579,355	344.56	326,738,928	3,329,713	354.26	335,942,841	3,423,507	427.06	404,972,192	4,126,968
2106	968,716	351.59	340,594,659	3,305,631	572.60	554,682,730	5,383,457	276.25	267,610,089	2,597,282	356.62	346,460,297	3,352,855	366.66	355,191,572	3,447,301	442.00	428,176,142	4,155,651
2107	989,586	363.90	360,109,928	3,328,606	592.64	586,464,740	5,420,873	285.92	282,943,515	2,615,333	369.10	365,254,355	3,376,157	379.50	375,543,211	3,471,260	457.47	452,709,624	4,184,533
2107	1,010,905	376.64	380,743,376	3,351,740	613.38	620,067,784	5,458,548	295.93	299,155,510	2,633,510	382.02	386,182,567	3,399,622	392.78	397,060,949	3,495,386	473.49	478,648,816	4,213,616
2107	1,032,683	389.82	402,559,072	3,375,035	634.85	655,596,203	5,496,486	306.29	316,296,414	2,651,813	395.39	408,309,916	3,423,250	406.53	419,811,604	3,519,680	490.06	506,074,262	4,242,901
2107	1,054,931	403.46	425,624,756	3,398,492	657.07	693,160,317	5,534,687	317.01	334,419,451	2,670,244	409.23	431,705,110	3,447,042	420.75	443,865,817	3,544,142	507.21	535,071,122	4,272,390
2107	1,077,658	417.58	450,012,049	3,422,112	680.06	732,876,766	5,573,154	328.10	353,580,896	2,688,802	423.55	456,440,793	3,470,999	435.48	469,298,280	3,568,774	52		

Weber County (Waste Projection & Transportation Costs)

Annual MSW Growth Rate 1.27%
 Inflation Rate 3.5%
 Discount Rate 5.0%

Summary				
	1 yr	10 yr	50 yr	100 yr
Little Mountain	\$2,459,725	\$24,404,019	\$117,846,772	\$225,790,885
Promontory	\$2,584,796	\$25,644,901	\$123,838,980	\$237,271,778
West Hills	\$2,751,557	\$27,299,411	\$131,828,592	\$252,579,634
Rattlesnake Pass	\$3,418,601	\$33,917,450	\$163,787,039	\$313,811,061
Bulls Pass	\$3,543,671	\$35,158,333	\$169,779,247	\$325,291,953
Monument Peak	\$4,169,025	\$41,362,744	\$199,740,291	\$382,696,415

Year	MSW (tons)	To Little Mountain		To Promontory		To West Hills		To Rattlesnake Pass		To Bulls Pass		To Monument Peak				
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2006	205,000															
2007	207,606	\$9.83			\$10.33		\$11.00		\$13.67		\$14.17		\$16.67			
2008	210,246	10.18			10.70	-	11.39	-	14.15	-	14.66	-	17.25	-	-	-
2009	212,919	10.53			11.07	-	11.78	-	14.64	-	15.18	-	17.85	-	-	-
2010	215,626	10.90			11.46	-	12.20	-	15.15	-	15.71	-	18.48	-	-	-
2011	218,367	11.28			11.86		12.62		15.68		16.26		19.13			
2012	221,143	11.68	\$2,582,711	\$2,459,725	12.27	\$2,714,035	\$2,584,796	13.06	\$2,889,134	\$2,751,557	16.23	\$3,589,531	\$3,418,601	16.83	\$3,720,855	\$3,543,671
2013	223,955	12.09	2,707,090	2,455,411	12.70	2,844,739	2,580,262	13.52	3,028,271	2,746,731	16.80	3,762,397	3,412,605	17.41	3,900,045	3,537,456
2014	226,802	12.51	2,837,459	2,451,104	13.15	2,981,737	2,575,737	14.00	3,174,107	2,741,913	17.39	3,943,588	3,406,619	18.02	4,087,865	3,531,252
2015	229,685	12.95	2,974,107	2,446,805	13.61	3,125,333	2,571,219	14.48	3,326,967	2,737,104	18.00	4,133,505	3,400,645	18.65	4,284,730	3,525,058
2016	232,605	13.40	3,117,335	2,442,514	14.08	3,275,844	2,566,709	14.99	3,487,189	2,732,304	18.63	4,332,568	3,394,680	19.31	4,491,076	3,518,876
2017	235,563	13.87	3,267,461	2,438,230	14.58	3,433,603	2,562,208	15.52	3,655,126	2,727,511	19.28	4,541,217	3,388,726	19.98	4,707,359	3,512,704
2018	238,557	14.36	3,424,817	2,433,953	15.09	3,598,960	2,557,714	16.06	3,831,151	2,722,728	19.95	4,759,915	3,382,783	20.68	4,934,058	3,506,543
2019	241,590	14.86	3,589,751	2,429,685	15.61	3,772,280	2,553,228	16.62	4,015,653	2,717,952	20.65	4,989,145	3,376,850	21.41	5,171,675	3,500,393
2020	244,662	15.38	3,762,627	2,425,423	16.16	3,953,947	2,548,750	17.20	4,209,041	2,713,185	21.37	5,229,414	3,370,927	22.16	5,420,734	3,494,254
2021	247,772	15.92	3,943,830	2,421,169	16.73	4,144,363	2,544,280	17.81	4,411,742	2,708,427	22.12	5,481,255	3,365,015	22.93	5,681,788	3,488,125
2022	250,922	16.47	4,133,758	2,416,923	17.31	4,343,949	2,539,817	18.43	4,624,204	2,703,676	22.90	5,745,223	3,359,113	23.73	5,955,414	3,482,007
2023	254,112	17.05	4,332,833	2,412,684	17.92	4,553,147	2,535,363	19.07	4,846,898	2,698,934	23.70	6,021,904	3,353,221	24.56	6,242,218	3,475,900
2024	257,343	17.65	4,541,496	2,408,452	18.54	4,772,419	2,530,916	19.74	5,030,317	2,694,201	24.53	6,311,909	3,347,340	25.42	6,542,833	3,469,804
2025	260,615	18.27	4,760,207	2,404,228	19.19	5,002,251	2,526,477	20.43	5,324,977	2,689,475	25.39	6,615,881	3,341,469	26.31	6,857,925	3,463,718
2026	263,928	18.90	4,989,451	2,400,011	19.87	5,243,152	2,522,046	21.15	5,681,420	2,684,758	26.27	6,934,491	3,335,609	27.24	7,188,192	3,457,643
2027	267,283	19.57	5,229,735	2,395,802	20.56	5,495,654	2,517,622	21.89	6,050,212	2,680,500	27.19	7,268,445	3,329,759	28.19	7,534,364	3,451,579
2028	270,681	20.25	5,481,591	2,391,600	21.28	5,760,316	2,513,207	22.65	6,131,949	2,675,349	28.15	7,618,482	3,323,919	29.18	7,897,207	3,445,525
2029	274,123	20.96	5,745,576	2,387,405	22.03	6,037,723	2,508,799	23.45	6,427,254	2,670,657	29.13	7,985,376	3,318,089	30.20	8,277,524	3,439,482
2030	277,608	21.69	6,022,273	2,383,218	22.80	6,328,491	2,504,399	24.27	6,736,780	2,665,973	30.15	8,369,939	3,312,269	31.25	8,676,156	3,433,450
2031	281,137	22.45	6,312,296	2,379,038	23.59	6,633,261	2,500,006	25.12	7,061,213	2,661,297	31.21	8,773,022	3,306,460	32.35	9,093,986	3,427,428
2032	284,711	23.24	6,616,287	2,374,866	24.42	6,952,708	2,495,621	26.00	7,401,270	2,656,629	32.30	9,195,517	3,300,661	33.48	9,531,938	3,421,416
2033	288,331	24.05	6,934,916	2,370,700	25.27	7,287,539	2,491,244	26.91	7,757,703	2,651,970	33.43	9,638,358	3,294,872	34.65	9,990,981	3,415,416
2034	291,997	24.89	7,268,891	2,366,542	26.16	7,638,496	2,486,875	27.85	8,131,302	2,647,319	34.60	10,102,527	3,289,093	35.86	10,472,131	3,409,425
2035	295,709	25.77	7,618,949	2,362,392	27.08	8,006,354	2,482,513	28.82	8,522,892	2,642,675	35.81	10,589,048	3,283,324	37.12	10,976,452	3,403,446
2036	299,468	26.67	7,985,866	2,358,248	28.02	8,391,927	2,478,159	29.83	8,933,341	2,638,040	37.06	11,099,000	3,277,565	38.42	11,505,061	3,397,476
2037	303,276	27.60	8,370,452	2,354,112	29.00	8,796,069	2,473,813	30.87	9,363,557	2,633,414	38.36	11,633,510	3,271,817	39.76	12,059,126	3,391,518
2038	307,131	28.57	8,773,560	2,349,983	30.02	9,219,673	2,469,474	31.96	9,814,491	2,628,795	39.70	12,193,762	3,266,079	41.15	12,639,875	3,385,569
2039	311,036	29.57	9,196,081	2,345,862	31.07	9,663,678	2,465,143	33.07	10,287,141	2,624,184	41.09	12,780,994	3,260,350	42.60	13,248,591	3,379,631
2040	314,990	30.60	9,638,950	2,341,747	32.16	10,129,066	2,460,819	34.23	10,782,554	2,619,582	42.53	13,396,506	3,254,632	44.09	13,866,622	3,373,704
2041	318,995	31.67	10,103,146	2,337,640	33.28	10,616,865	2,456,503	35.43	11,301,824	2,614,987	44.02	14,041,661	3,248,924	45.63	14,555,380	3,367,787
2042	323,051	32.78	10,589,698	2,333,540	34.45	11,128,157	2,452,195	36.67	11,846,102	2,610,401	45.56	14,717,885	3,243,225	47.23	15,256,344	3,361,880
2043	327,158	33.93	11,099,681	2,329,447	35.65	11,664,071	2,447,894	37.95	12,416,592	2,605,823	47.15	15,426,675	3,237,537	48.88	15,991,065	3,355,984
2044	331,317	35.12	11,634,224	2,325,362	36.90	12,225,794	2,443,601	39.28	13,014,555	2,601,252	48.80	16,169,599	3,231,859	50.59	16,761,170	3,350,098
2045	335,529	36.34	12,194,509	2,321,283	38.19	12,814,569	2,439,315	40.66	13,641,315	2,596,690	50.51	16,948,301	3,226,190	52.36	17,568,361	3,344,222
2046	339,795	37.62	12,781,778	2,317,212	39.53	13,431,698	2,435,036	42.08	14,298,260	2,592,136	52.28	17,764,504	3,220,532	54.19	18,414,425	3,338,356
2047	344,115	38.93	13,397,328	2,313,148	40.91	14,078,548	2,430,766	43.55	14,986,841	2,587,589	54.11	18,620,015	3,214,884	56.09	19,301,235	3,332,501
2048	348,490	40.30	14,042,522	2,309,091	42.34	14,756,548	2,426,502	45.08	15,708,584	2,583,051	56.00	19,516,725	3,209,245	58.05	20,230,752	3,326,656
2049	352,920	41.71	14,718,787	2,305,041	43.83	15,467,200	2,422,247	46.65	16,465,084	2,578,520	57.96	20,456,620	3,203,816	60.08	21,205,032	3,320,822
2050	357,407	43.17	15,427,621	2,300,998	45.36	16,212,076	2,417,998	48.29	17,258,016	2,573,998	59.99	21,441,778	3,197,998	62.19	22,226,233	3,314,997
2051	361,951	44.68	16,170,590	2,296,963	46.95	16,992,824	2,413,757	49.98	18,089,135	2,569,484	62.09	22,474,380	3,192,389	64.36	23,296,613	3,309,183
2052	366,553	46.24	16,949,340	2,292,934	48.59	17,811,171	2,409,524	51.73	18,960,279	2,564,977	64.27	23,556,710	3,186,790	66.62	24,418,541	3,303,379
2053	371,213	47.86	17,765,594	2,288,912	50.29	18,668,929	2,405,298	53.54	19,873,376	2,560,478	66.51	24,691,164	3,181,200	68.95	25,594,499	3,297,586
2054	375,932	49.53	18,621,157	2,284,898	52.05	19,567,995	2,401,079	55.41	20,830,446	2,555,987	68.84	25,880,251	3,175,621	71.36	26,827,090	3,291,802
2055	380,712	51.27	19,517,922	2,280,890	53.87	20,510,359	2,396,868	57.35	21,833,607	2,551,505	71.25	27,126,603	3,170,051	73.86	28,119,040	3,286,029
2056	385,552	53.06	20,457,874	2,276,890	55.76	21,498,105	2,392,664	59.36	22,885,079	2,547,029	73.75	28,432,977	3,164,491	76.44	29,473,208	3,280,265
2057	390,453	54.92	21,443,093	2,272,897	57.71	22,533,419	2,388,468	61.43	23,987,188	2,542,562	76.33	29,802,264	3,158,941	79.12	30,892,591	3,274,512
2058	395,417	56.84	22,475,758	2,268,910	59.73	23,618,593	2,384,278	63.58	25,142,373	2,538,103	79.00	31,237,494	3,153,401	81.89	32,380,329	3,268,769
2059	400,444	58.83	23,558,155	2,264,931	61.82	24,756,027	2,380,097	65.81	26,353,190	2,533,651	81.76	32,741,842	3,147,870	84.76	33,939,715	3,263,036
2060	405,536	60.89	24,692,678	2,260,958	63.99	25,948,238	2,375,922	68.11	27,622,318	2,529,208	84.83	34,316,638	3,142,349	87.72	35,57	

Year	MSW (tons)	To Little Mountain			To Promontory			To West Hills			To Rattlesnake Pass			To Bulls Pass			To Monument Peak		
		Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV	Unit Cost	Total Cost	PV
2067	443,032	77.47	34,320,742	2,233,346	81.41	36,065,865	2,346,905	86.66	38,392,694	2,498,319	107.67	47,700,014	3,103,972	111.61	49,445,137	3,217,532	131.30	58,170,749	3,785,331
2068	448,664	80.18	35,973,575	2,229,428	84.26	37,802,739	2,342,789	89.69	40,241,626	2,493,937	111.44	49,997,171	3,098,528	115.51	51,826,336	3,211,889	135.90	60,972,160	3,778,692
2069	454,368	82.99	37,706,005	2,225,518	87.21	39,623,259	2,338,680	92.83	42,179,599	2,489,563	115.34	52,404,956	3,093,093	119.56	54,322,210	3,206,255	140.65	63,908,483	3,772,065
2070	460,145	85.89	39,521,866	2,221,615	90.26	41,531,453	2,334,578	96.08	44,210,901	2,485,196	119.37	54,928,695	3,087,668	123.74	56,938,282	3,200,632	145.58	66,986,214	3,765,449
2071	465,995	88.90	41,425,176	2,217,719	93.42	43,531,541	2,330,484	99.44	46,340,028	2,480,838	123.55	57,573,974	3,082,253	128.07	59,680,339	3,195,018	150.67	70,212,164	3,758,845
2072	471,919	92.01	43,420,147	2,213,829	96.69	45,627,951	2,326,396	102.92	48,571,690	2,476,487	127.87	60,346,645	3,076,847	132.55	62,554,449	3,189,414	155.95	73,593,470	3,752,252
2073	477,919	95.23	45,511,193	2,209,946	100.07	47,825,321	2,322,316	106.53	50,910,826	2,472,143	132.35	63,252,844	3,071,450	137.19	65,566,972	3,183,821	161.40	77,137,615	3,745,612
2074	483,995	98.56	47,702,939	2,206,707	103.57	50,128,513	2,318,243	110.25	53,362,610	2,467,807	136.98	66,299,001	3,066,063	141.99	68,724,574	3,178,237	167.05	80,852,440	3,739,102
2075	490,148	102.01	50,000,237	2,202,201	107.20	52,542,622	2,314,177	114.11	55,932,469	2,463,479	141.78	69,491,855	3,060,686	146.96	72,034,240	3,172,662	172.90	84,746,165	3,732,544
2076	496,380	105.58	52,408,169	2,198,338	110.95	55,072,992	2,310,118	118.11	58,626,088	2,459,158	146.74	72,838,473	3,055,318	152.11	75,503,295	3,167,098	178.95	88,827,406	3,725,997
2077	502,690	109.28	54,932,064	2,194,483	114.83	57,725,219	2,306,067	122.24	61,449,427	2,454,845	151.88	76,346,258	3,049,959	157.43	79,139,414	3,161,543	185.21	93,105,193	3,719,462
2078	509,081	113.10	57,577,505	2,190,634	118.85	60,505,174	2,302,022	126.52	64,408,734	2,450,540	157.19	80,022,973	3,044,610	162.94	82,950,642	3,155,998	191.70	97,588,991	3,712,939
2079	515,554	117.06	60,350,346	2,186,792	123.01	63,419,008	2,297,985	130.95	67,510,556	2,446,242	162.69	83,876,752	3,039,270	168.64	86,945,414	3,150,463	198.41	102,288,722	3,706,427
2080	522,108	121.16	63,256,723	2,182,956	127.32	66,473,166	2,293,954	135.53	70,761,758	2,441,951	168.39	87,916,123	3,033,939	174.55	91,132,567	3,144,937	205.35	107,214,784	3,699,926
2081	528,746	125.40	66,303,066	2,179,128	131.77	69,674,408	2,289,931	140.27	74,169,532	2,437,668	174.28	92,150,024	3,028,618	180.66	95,521,366	3,139,421	212.54	112,378,078	3,693,437
2082	535,468	129.79	69,496,117	2,175,306	136.39	73,029,817	2,285,914	145.18	77,741,419	2,433,393	180.38	96,587,823	3,023,306	186.98	100,121,524	3,133,915	219.98	117,790,028	3,686,959
2083	542,276	134.33	72,842,939	2,171,490	141.16	76,546,818	2,281,905	150.27	81,485,322	2,429,125	186.69	101,239,339	3,018,004	193.52	104,943,218	3,128,418	227.67	123,462,609	3,680,492
2084	549,170	139.03	76,350,940	2,167,682	146.10	80,233,191	2,277,903	155.52	85,409,526	2,424,865	193.23	106,114,865	3,012,710	200.30	109,997,116	3,122,932	235.64	129,408,372	3,674,037
2085	556,152	143.90	80,027,880	2,163,880	151.21	84,097,094	2,273,908	160.97	89,522,713	2,420,612	199.99	111,225,189	3,007,426	207.31	115,294,403	3,117,454	243.89	135,640,474	3,667,593
2086	563,222	148.93	83,881,895	2,160,085	156.50	88,147,077	2,269,920	166.60	93,833,985	2,416,366	206.99	116,581,617	3,002,152	214.56	120,846,798	3,111,987	252.43	142,172,704	3,661,161
2087	570,383	154.14	87,921,514	2,156,296	161.98	92,392,100	2,265,938	172.43	98,352,880	2,412,128	214.24	122,196,003	2,996,886	222.07	126,666,588	3,106,529	261.26	149,019,516	3,654,739
2088	577,634	159.54	92,155,675	2,152,514	167.65	96,841,557	2,261,964	178.47	103,089,399	2,407,897	221.73	128,080,769	2,991,630	229.85	132,766,650	3,101,080	270.41	156,196,059	3,648,329
2089	584,978	165.12	96,593,746	2,148,739	173.52	101,505,292	2,257,997	184.71	108,054,021	2,403,674	229.49	134,248,935	2,986,383	237.89	139,160,482	3,095,641	279.87	163,718,214	3,641,931
2090	592,415	170.90	101,245,548	2,144,970	179.59	106,393,626	2,254,037	191.18	113,257,731	2,399,458	237.53	140,714,151	2,981,145	246.22	145,862,229	3,090,212	289.67	171,602,623	3,635,543
2091	599,947	176.88	106,121,372	2,141,208	185.88	111,517,374	2,250,083	197.87	118,712,044	2,395,250	245.84	147,490,721	2,975,917	254.83	152,886,723	3,084,792	299.80	179,866,733	3,629,167
2092	607,574	183.08	111,232,009	2,137,453	192.38	116,887,874	2,246,137	204.80	124,429,027	2,391,049	254.44	154,593,640	2,970,697	263.75	160,249,505	3,079,381	310.30	188,528,829	3,622,802
2093	615,299	189.48	116,588,766	2,133,704	199.12	122,517,009	2,242,197	211.96	130,421,332	2,386,855	263.35	162,038,624	2,965,487	272.98	167,966,867	3,073,980	321.16	197,608,079	3,616,448
2094	623,121	196.12	122,203,496	2,129,962	206.09	128,417,233	2,238,265	219.38	136,702,216	2,382,669	272.57	169,842,147	2,960,286	282.54	176,055,885	3,068,589	332.40	207,124,570	3,610,105
2095	631,043	202.98	128,088,623	2,126,226	213.30	134,601,604	2,234,339	227.06	143,285,578	2,378,490	282.11	178,021,476	2,955,094	292.43	184,534,457	3,063,207	344.03	217,099,361	3,603,773
2096	639,066	210.08	134,257,168	2,122,497	220.77	141,083,803	2,230,420	235.01	150,185,984	2,374,319	291.98	186,594,707	2,949,911	302.66	193,421,343	3,057,834	356.07	227,554,521	3,597,452
2097	647,191	217.44	140,722,780	2,118,774	228.49	147,878,175	2,226,509	243.23	157,418,703	2,370,154	302.20	195,580,812	2,944,737	313.26	202,736,208	3,052,471	368.54	238,513,186	3,591,143
2098	655,419	225.05	147,499,765	2,115,058	236.49	154,999,753	2,222,603	251.75	164,999,738	2,365,997	312.78	204,999,674	2,939,572	324.22	212,499,662	3,047,118	381.44	249,999,602	3,584,844
2099	663,751	232.92	154,603,120	2,111,349	244.77	162,464,296	2,218,705	260.56	172,945,863	2,361,848	323.72	214,872,133	2,934,417	335.57	222,733,309	3,041,773	394.79	262,039,187	3,578,557
2100	672,190	241.08	162,048,561	2,107,645	253.33	170,288,318	2,214,814	269.68	181,274,661	2,357,705	335.05	225,220,034	2,929,270	347.31	233,459,791	3,036,438	408.60	274,658,578	3,572,280
2101	680,736	249.51	169,852,562	2,103,949	262.20	178,489,133	2,210,929	279.12	190,004,561	2,353,570	346.78	236,066,273	2,924,132	359.47	244,702,844	3,031,113	422.90	287,885,699	3,566,015
2102	689,390	258.25	178,032,392	2,100,259	271.38	187,084,887	2,207,052	288.89	199,154,880	2,349,421	358.92	247,434,850	2,919,004	372.05	256,487,345	3,025,797	437.71	301,749,818	3,559,761
2103	698,155	267.28	186,606,150	2,096,575	280.88	196,094,598	2,203,181	299.00	208,745,862	2,345,321	371.48	259,350,920	2,913,884	385.07	268,839,368	3,020,490	453.03	316,281,610	3,553,517
2104	707,031	276.64	195,592,806	2,092,898	290.71	205,538,203	2,199,317	309.46	218,798,732	2,341,208	384.48	271,840,849	2,908,773	398.55	281,786,246	3,015,192	468.88	331,513,230	3,547,285
2105	716,019	286.32	205,012,245	2,089,227	300.88	215,436,596	2,195,459	320.29	229,335,732	2,337,102	397.94	284,932,273	2,903,672	412.50	295,356,624	3,009,904	485.29	347,478,381	3,541,063
2106	725,122	296.34	214,885,309	2,085,563	311.41	225,811,681	2,191,609	331.50	240,380,177	2,333,003	411.87	298,654,159	2,898,579	426.94	309,580,530	3,004,625	502.28	364,212,389	3,534,853
2107	734,341	306.72	225,233,845	2,081,905	322.31	236,686,413	2,187,765	343.11	251,956,504	2,328,911	426.28	313,036,869	2,893,495	441.88	324,489,437	2,999,355	519.86	381,752,279	3,528,653
2107	743,677	317.45	236,080,749	2,078,254	333.59	248,084,855	2,183,928	355.11	264,090,330	2,324,826	441.20	328,112,228	2,888,420	457.34	340,116,334	2,994,094	538.05	400,136,863	3,522,464
2107	753,132	328.56	247,450,024	2,074,609	345.27	260,032,228	2,180,997	367.54	276,808,501	2,320,749	456.64	343,913,592	2,883,354	473.35	356,495,797	2,988,843	556.88	419,406,820	3,516,286
2107	762,707	340.06	259,366,824	2,070,970	357.35	272,554,968	2,176,274	380.41	290,139,159	2,316,678	472.63	360,475,925	2,878,297	489.92	373,664,068	2,983,601	576.37	439,604,786	3,510,119
2107	772,403	351.96	271,857,519	2,067,338	369.86	285,680,782	2,172,457	393.72	304,111,800	2,312,615	489.17	377,835,873	2,873,249	507.07	391,659,137	2,978,368	596.55	460,775,455	

Box Elder County Landfill Transportation Cost Summary

1 Year

	Box Elder	Davis/Morgan	Cache	Weber	Total	Rank
Little Mountain	\$238,707	\$2,515,764	\$1,723,876	\$2,459,725	\$6,938,071	1
Promontory	552,794	2,622,818	2,807,454	2,584,796	8,567,862	3
West Hills	282,679	2,765,557	1,354,474	2,751,557	7,154,266	2
Rattlesnake Pass	383,187	3,336,510	1,748,502	3,418,601	8,886,800	4
Bulls Pass	402,032	3,443,564	1,797,756	3,543,671	9,187,023	5
Monument Peak	496,258	3,978,833	2,167,158	4,169,025	10,811,274	6

10 Years

	Box Elder	Davis/Morgan	Cache	Weber	Total	Rank
Little Mountain	\$2,409,978	\$24,988,974	\$17,788,023	\$24,404,019	\$69,590,994	1
Promontory	5,581,002	26,052,334	28,969,066	25,644,901	86,247,304	3
West Hills	2,853,921	27,470,149	13,976,304	27,299,411	71,599,785	2
Rattlesnake Pass	3,868,649	33,141,405	18,042,137	33,917,450	88,969,642	4
Bulls Pass	4,058,911	34,204,766	18,550,367	35,158,333	91,972,375	5
Monument Peak	5,010,218	39,521,569	22,362,086	41,362,744	108,256,616	6

50 Years

	Box Elder	Davis/Morgan	Cache	Weber	Total	Rank
Little Mountain	\$12,577,124	\$121,286,741	\$102,645,076	\$117,846,772	\$354,355,712	1
Promontory	29,125,970	126,447,879	167,164,838	123,838,980	446,577,668	3
West Hills	14,893,962	133,329,396	80,649,703	131,828,592	360,701,653	2
Rattlesnake Pass	20,189,593	160,855,465	104,111,434	163,787,039	448,943,531	4
Bulls Pass	21,182,524	166,016,603	107,044,151	169,779,247	464,022,525	5
Monument Peak	26,147,178	191,822,293	129,039,524	199,740,291	546,749,286	6

100 Years

	Box Elder	Davis/Morgan	Cache	Weber	Total	Rank
Little Mountain	\$26,559,775	\$233,826,839	\$247,768,082	\$225,790,885	\$733,945,580	1
Promontory	61,506,847	243,776,917	403,508,019	237,271,778	946,063,560	4
West Hills	31,452,365	257,043,688	194,674,921	252,579,634	735,750,608	2
Rattlesnake Pass	42,635,428	310,110,772	251,307,626	313,811,061	917,864,886	3
Bulls Pass	44,732,253	320,060,850	258,386,714	325,291,953	948,471,769	5
Monument Peak	55,216,374	369,811,241	311,479,874	382,696,415	1,119,203,905	6

Inflation-Adjusted Infrastructure Costs

Classification	Description	Date Acq	Total Cost	Inflation-Adjusted Costs	Inflation Rates
Infrastructure	Landfill Construction	08/29/97	636,273.82	1,335,983.48 *	2.70% General Inflation 5.00% Construction Inflation 7.70% Total Inflation
	HDPE 60 Mil Pond Liner	08/23/99	27,540.00	34,082.19	
	Asphalt Road	07/01/96	7,593.29	17,171.28 *	
	Gravel SWM Roads	07/01/98	37,464.00	73,039.11 *	
	Landfill Construction	07/01/98	210,202.39	409,806.63 *	
	Environmental Cover	09/30/05	16,194.39	17,080.69	
			\$ 935,267.89	\$ 1,887,163.38	
Bldg Improvements	Furnace, Clean Burn	02/01/01	5,495.00	6,447.49	
	Electric Work	01/01/98	7,362.44	9,357.41	
	Building Landfill	01/01/98	200,000.00	389,916.24 *	
	Electric Hookup	07/01/97	36,595.00	47,766.80	
	Remove Pump House & Repair	01/01/98	9,242.55	NA	
			\$ 258,694.99	\$ 453,487.94	
Land Improvements	Liner Lower Pond	10/31/00	88,931.00	107,163.35	
	Fence, Chain Link	02/09/01	7,473.46	9,754.97	
	Fencing-SWM	07/01/98	9,958.00	12,656.28	
			\$ 106,362.46	\$ 129,574.61	

Source: Box Elder County Auditor

TOTAL \$1,300,325.34 \$ 2,470,225.93

*Uses the Total Inflation rates

Estimates to Upgrade Roads

Regular Dirt Road with no Base*		
Granular Pit run base	\$	78,000
Crushed Road Base		65,000
3 inch asphalt		152,000
Total Cost per Mile	\$	295,000
	Miles of Dirt Road	Cost to Upgrade
West Hills	4.0	\$1,180,000
Rattlesnake Pass	6.0	1,770,000
Bulls Pass	5.0	1,475,000
Monument Peak	5.0	1,475,000

	Cost per Mile	Miles	
Road to Little Mountain*			
From St. Road to 6800 N	\$ 70,000	4.5	\$ 315,000
From 6800 N to Little Mountain	140,000	6.0	840,000
Total Cost			\$ 1,155,000
Road to Promontory**			
4700 W to the end of the road	\$ 120,000	7.0	\$ 840,000

Summary	
Site	Total Cost
Little Mountain	\$1,155,000
Promontory	840,000
West Hills	1,180,000
Rattlesnake Pass	1,770,000
Bulls Pass	1,475,000
Monument Peak	1,475,000

*Source: Bill Gills, Box Elder County Road Director

**Source: Kelly Hipwell, Weber County Road Director

Box Elder County Landfill Site Evaluation

Annualized Costs

	Little Mountain	Promontory	West Hills	Rattlesnake Pass	Bulls Pass	Monument Peak
Land	\$221,823	\$500,000	\$45,723	\$39,191	\$32,659	\$32,659
Permit	3,885	0	12,950	12,950	12,950	12,950
Infrastructure	0	160,692	160,692	160,692	160,692	160,692
Cost of Roads	149,578	108,784	152,815	229,223	191,019	191,019
Transportation*	6,938,071	8,567,862	7,154,266	8,886,800	9,187,023	10,811,274
Royalties*	18,667	574,382	172,315	0	0	0
TOTAL	\$7,332,024	\$9,911,720	\$7,698,760	\$9,328,856	\$9,584,344	\$11,208,595

*Cost during the first year of landfill operation

Annualized Cost Calculation Data

	Little Mountain	Promontory	West Hills	Rattlesnake Pass	Bulls Pass	Monument Peak
Land	\$4,346,943	\$10,000,000	\$896,000	\$768,000	\$640,000	\$640,000
Permit	30,000		100,000	100,000	100,000	100,000
Infrastructure		2,470,226	2,470,226	2,470,226	2,470,226	2,470,226
Cost of Roads	1,155,000	840,000	1,180,000	1,770,000	1,475,000	1,475,000
Total	\$5,531,943	\$13,310,226	\$4,646,226	\$5,108,226	\$4,685,226	\$4,685,226

Discount Rate 5%

Estimated Life

	Little Mountain	Promontory	West Hills	Rattlesnake Pass	Bulls Pass	Monument Peak
Land	80	421	80	80	80	80
Permit	10	10	10	10	10	10
Infrastructure	30	30	30	30	30	30
Roads	10	10	10	10	10	10

Present Value Factors $(1+i)^{-n}/i/(1+i)^n$

Land	19.60	20.00	19.60	19.60	19.60	19.60
Permit	7.72	7.72	7.72	7.72	7.72	7.72
Infrastructure	15.37	15.37	15.37	15.37	15.37	15.37
Roads	7.72	7.72	7.72	7.72	7.72	7.72