

ABC Ski Resort

Daily Snowmaking Report

Outputs

11/11/10 Time	WB°			GPM	Pump	Snow	GPM	Pump	kWh				Total
	Btm	Mid	Top	Supply Pond	Util.	Ac-Ft	Booster PH	Util.	Pumps	Comp.	Fan G.	Other	
0:00	12.8	11.1	7.8	3,533	59%	1.1	0	0%	2,691	4,489	180	0	7,360
1:00	17.7	10.1	8.4	4,087	68%	1.2	0	0%	3,009	5,034	180	0	8,223
2:00	10.5	8.4	9.4	4,132	69%	1.2	0	0%	3,004	5,304	180	0	8,488
3:00	7.4	7.5	10.3	4,099	68%	1.2	0	0%	3,008	5,278	180	0	8,467
4:00	5.4	13.1	11.5	4,177	70%	1.3	0	0%	3,009	5,246	180	0	8,435
5:00	4.6	13.6	10.7	3,906	65%	1.2	0	0%	2,996	4,971	158	0	8,125
6:00	3.2	11.4	10.3	4,235	71%	1.3	0	0%	2,990	4,742	158	0	7,889
7:00	3.1	12.3	10.6	4,101	68%	1.2	0	0%	2,918	4,733	135	0	7,786
8:00	3.9	15.2	11.3	3,475	58%	1.0	0	0%	2,794	4,758	135	0	7,686
9:00	11.1	14.1	12.7	2,635	44%	0.8	0	0%	2,295	4,752	135	0	7,182
10:00	18.4	17.2	13.6	2,566	43%	0.8	0	0%	2,277	4,470	135	0	6,882
11:00	21.2	18.5	14.0	2,445	41%	0.7	0	0%	2,277	4,501	135	0	6,913
12:00	22.3	18.7	14.7	2,399	40%	0.7	0	0%	2,276	4,980	135	0	7,392
13:00	23.1	19.9	14.9	2,567	43%	0.8	0	0%	2,276	4,936	135	0	7,347
14:00	21.2	18.5	15.3	2,454	41%	0.7	0	0%	2,267	4,941	135	0	7,344
15:00	19.8	17.9	14.4	2,468	41%	0.7	0	0%	2,258	4,960	135	0	7,353
16:00	16.7	13.5	11.0	2,489	41%	0.7	0	0%	2,267	4,966	135	0	7,368
17:00	13.9	12.7	8.5	2,512	42%	0.8	0	0%	2,264	4,927	135	0	7,326
18:00	14.3	10.5	6.3	2,541	42%	0.8	0	0%	2,270	5,132	158	0	7,560
19:00	13.9	11.1	7.0	3,176	53%	1.0	0	0%	2,468	4,578	180	0	7,226
20:00	12.2	8.8	4.4	3,638	61%	1.1	0	0%	2,555	4,669	203	0	7,427
21:00	5.3	5.5	4.8	3,522	59%	1.1	0	0%	2,627	4,612	203	0	7,442
22:00	2.4	5.1	4.9	3,512	59%	1.1	0	0%	2,660	4,502	203	0	7,364
23:00	0.2	4.4	5.5	3,654	61%	1.1	0	0%	2,656	4,528	203	0	7,386
Ave	11.9	12.5	10.1	3,263	54%	23.5	0	0%	2,588	4,834	160	0	7,582
Total				4,699,380					62,115	116,008	3,848	0	181,970

ABC Ski Resort

Daily Snowmaking Report

Efficiency

11/11/10 Time	Cost/Acre-Ft			SEI			kWh	CO ₂ Lbs	Notes
	Actual	Target	Margin	Actual	Target	Margin	(+/-)	(+/-)	
0:00	\$639	\$554	13%	34.7	33.6	3%	238	380	
1:00	\$602	\$548	9%	33.5	33.2	1%	82	131	
2:00	\$611	\$552	10%	34.2	32.5	5%	431	689	
3:00	\$615	\$558	9%	34.4	32.5	6%	474	758	
4:00	\$601	\$579	4%	33.7	35.3	-5%	-412	-659	
5:00	\$624	\$579	7%	34.7	35.3	-2%	-148	-237	
6:00	\$562	\$554	2%	31.0	33.6	-8%	-649	-1,039	
7:00	\$575	\$565	2%	31.6	34.2	-8%	-629	-1,006	
8:00	\$672	\$612	9%	36.9	37.2	-1%	-70	-112	
9:00	\$840	\$593	29%	45.4	36.2	20%	1,459	2,334	
10:00	\$835	\$665	20%	44.7	40.2	10%	693	1,109	
11:00	\$880	\$700	20%	47.1	41.7	12%	796	1,274	
12:00	\$944	\$700	26%	51.4	41.7	19%	1,390	2,223	
13:00	\$878	\$730	17%	47.7	43.6	9%	632	1,011	
14:00	\$918	\$700	24%	49.9	41.7	16%	1,204	1,926	
15:00	\$914	\$665	27%	49.7	40.2	19%	1,400	2,240	
16:00	\$907	\$579	36%	49.3	35.3	28%	2,096	3,354	
17:00	\$895	\$565	37%	48.6	34.2	30%	2,171	3,474	
18:00	\$907	\$548	40%	49.6	33.2	33%	2,498	3,997	
19:00	\$700	\$554	21%	37.9	33.6	11%	823	1,317	
20:00	\$625	\$552	12%	34.0	32.5	4%	333	532	
21:00	\$646	\$591	9%	35.2	32.9	7%	489	783	
22:00	\$643	\$591	8%	34.9	32.9	6%	431	690	
23:00	\$619	\$609	2%	33.7	33.4	1%	64	102	

Ave
Total

\$736

\$602

16%

40.2

35.9

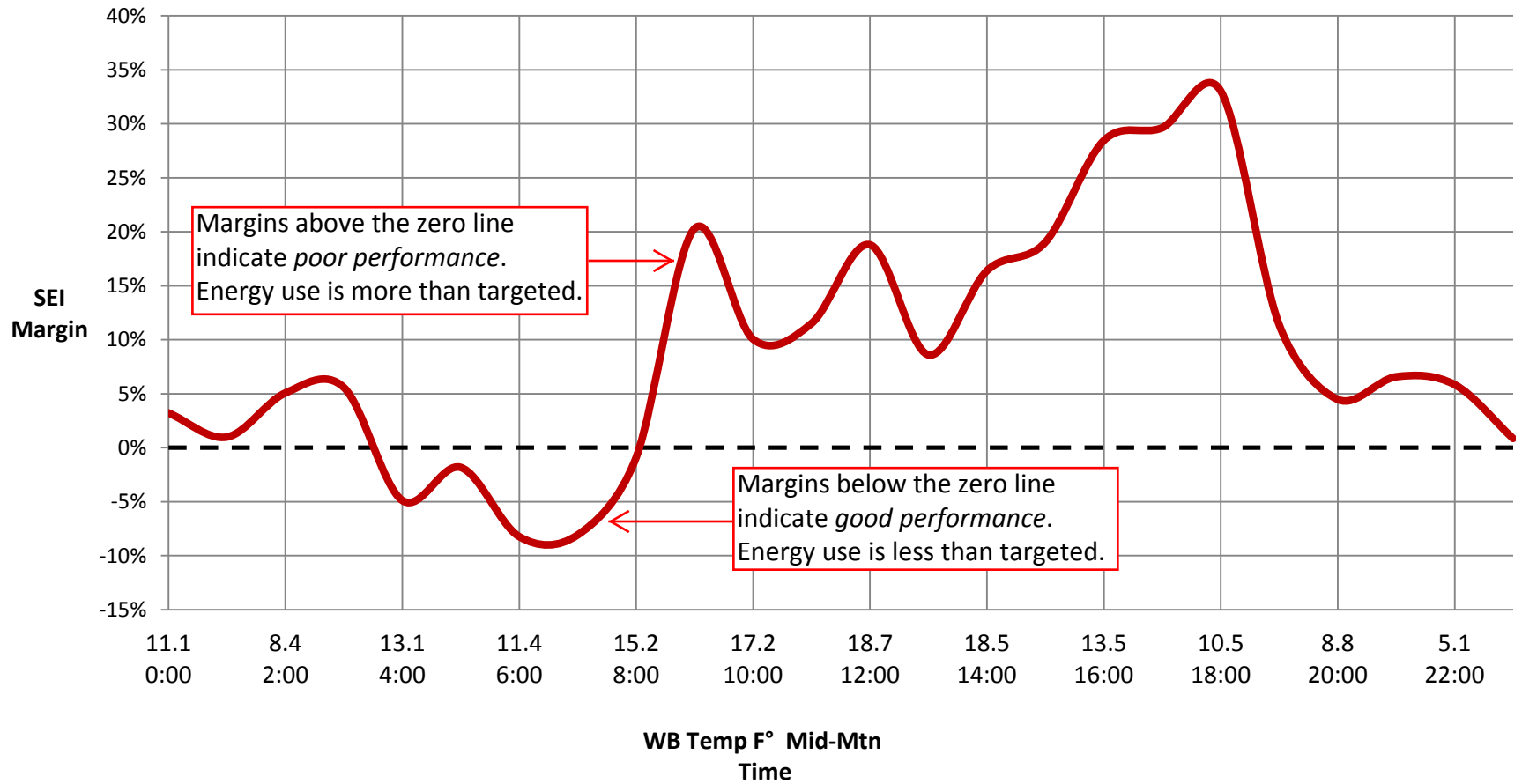
9%

Efficiency margins measure operational performance.

Tangible values quantify decision making. This data helps managers maximize effective decisions and minimize poor ones. The result is more snow sooner, while using less energy.

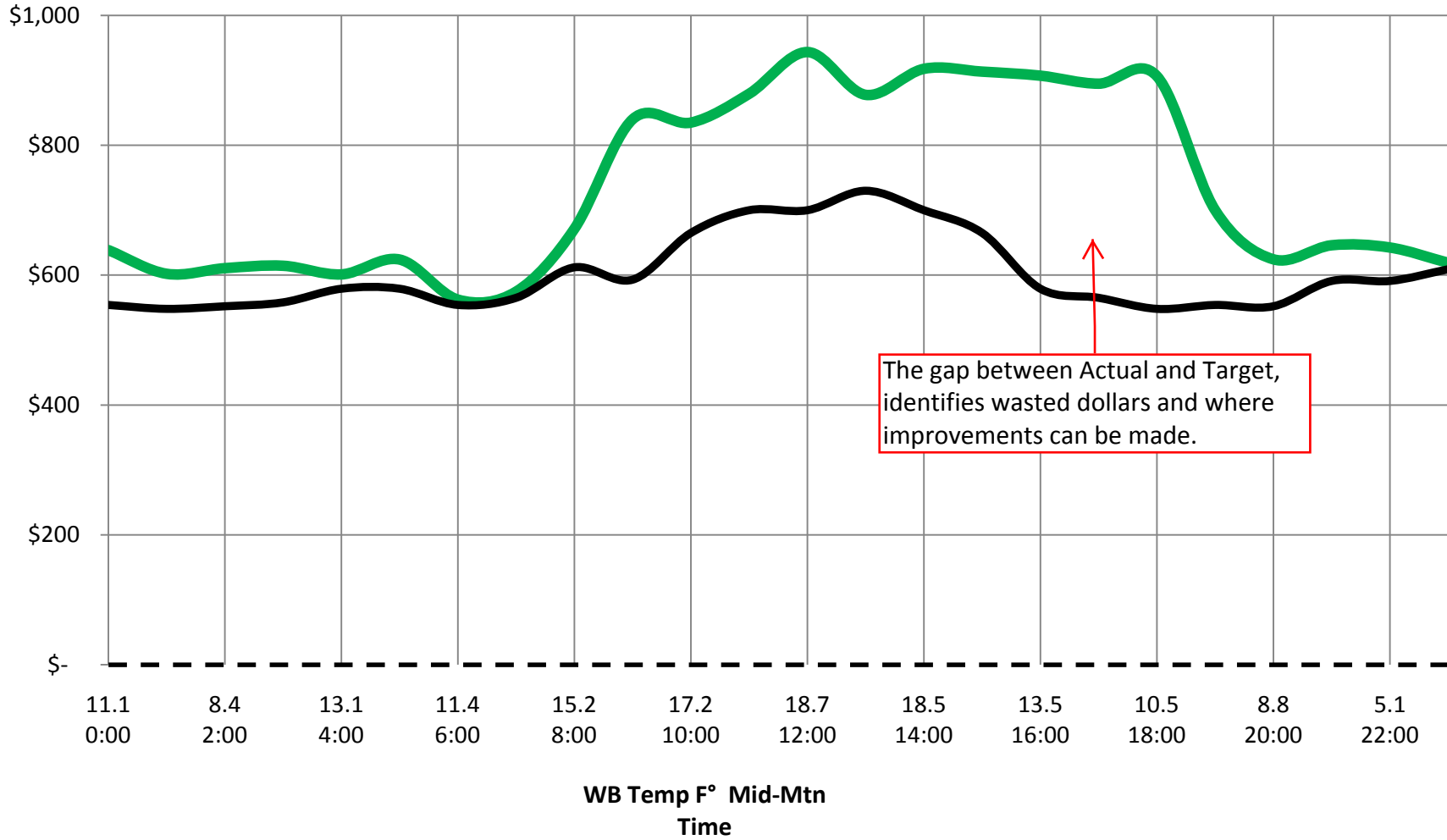
Snowmaking Performance Report Energy Index

— SEI Actual - - - - SEI Target



Snowmaking Performance Report Cost / Ac-Ft

— Actual \$/Ac-Ft — 2010 Target \$/Ac-ft



ABC Ski Resort

November 2010

MTD and YTD Snowmaking Report

Day	WB° Sys		Water		Snow	Pump Util.		kWh	Cost/Acre-Ft			SEI			kWh	CO ₂ Lbs	
	Mid	Hrs	GPM	Ave	Total	Ac-Ft	Pond	Booster	Total	Actual	Target	Margin	Actual	Target	Margin	(+/-)	(+/-)
1	25.0	24	1,589		2,288,580	12.0	26%	25%	127,270	\$1,093	\$1,036	4%	57.2	57.8	-2%	-2,912	-4,659
2	24.4	24	1,995		2,869,920	14.3	32%	12%	145,132	\$972	\$1,013	-9%	55.7	56.2	-6%	-8,608	-13,773
3	28.3	24	1,249		1,797,840	9.5	21%	25%	127,387	\$1,361	\$1,255	5%	73.9	66.9	7%	8,211	13,138
4	27.8	18	1,203		1,297,080	6.5	17%	0%	92,438	\$1,201	\$1,220	-1%	64.1	64.3	0%	83	133
5	31.9	0															
6	32.2	0															
7	27.7	9	1,234		665,820	8.9	22%	23%	46,119	\$1,386	\$1,250	9%	75.1	64.3	12%	5,571	8,914
8	25.3	24	1,996		2,272,800	14.4	32%	37%	155,788	\$965	\$1,047	-9%	55.5	56.7	-3%	-4,599	-7,358
9	17.9	24	2,681		3,859,200	19.3	46%	0%	160,231	\$836	\$759	7%	47.9	43.9	7%	11,189	17,902
10	14.5	24	2,781		4,003,200	20.0	47%	0%	167,242	\$661	\$757	7%	47.9	43.9	7%	11,821	18,914
11	12.5	24	3,263		4,699,380	23.5	54%	0%	181,970	\$736	\$602	16%	40.2	35.9	9%	15,794	25,271
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MTD	24.3	195	1,999		23,753,820	128.4	33%	24%	1,203,577	\$1,023	\$993	3%	57.5	54.4	4%	36,550	58,480
YTD	24.3	195	1,999		23,753,820	128.4	33%	24%	1,203,577	\$1,023	\$993	3%	57.5	54.4	4%	36,550	58,480

KPI's measure in-season progress. This knowledge allows timely decisions to make changes for improvements.