# LIFTS 2013-MEH

Lift sales are on a slow recovery, but we've seen worse.

#### BY JENNIFER ROWAN

The chairlift market and the real estate market have a lot in commonnamely a slow recovery. Words of optimism like "pent-up demand" have slowly given way to the possibility of a "new normal."

But the news is not all bad. Projects outside the industry, as well as more work updating older lifts, have largely made up the difference for lift companies. And the surface lift market continues to thrive.

Let's start with the overall numbers. Guests this season will be riding 26 new lifts, which is down from last season's total of 30, but up from the two years prior to that. The total of 26 is slightly below the five-year average of 27.6. In terms of VTFH, 2013 comes in at 48,496, which is up 7.7% over 2012, and is well

over the five-year average of 40,856.

As with the past several years, there was no region left behind, though the East hit an all-time low (since *SAM* started keeping track) with only two lifts.

In the Midwest there were four new lifts, though the two lifts at Mt. Brighton recycled a fair number of parts from its new owners at Vail, including sheave assemblies, chairs, and crossarms. But they will feel like new to Brighton fans.

The Mountain region saw nine new lifts, which is fairly average. The big story

(Note: VTFH measures the number of skiers and riders who can be transported 1,000 feet vertically in one hour. It is arrived at by multiplying the vertical rise in feet by the capacity in people-perhour and dividing by 1,000.)

in this region is the opening of Peak 6 at Breckenridge, and servicing this new terrain are a 6-pack and a fixed-grip quad.

The Pacific region also saw an average year, with four lifts from Alaska on down to California.

In Canada, the seven new lifts were spread out from east to west and represent an average year for lift construction.

As for type of lifts, there were five 6-packs installed, six detachable quads, and one gondola. The balance was an assortment of fixed grip triples and quads, a platter and two T-bars.

#### **AERIAL LIFTS**

If there is, indeed, a new normal in lift construction, what does this new normal look like? And will it last?

"I think that 30 should be about the

## **NEW LIFTS BY REGION**

## LIFT COMPARISON WITH PRECEDING YEARS

			Gondolas	/	
New VTFH	Surface	Chairs	Trams	Funiculars	Total
2,247	-	2	-	-	2
3,917	-	4	-	-	4
16,990	2	7	-	-	9
8,248	1	3	-	-	4
17,094	-	6	1	-	7
48,496	3	22	- 1	-	26
	2,247 3,917 16,990 8,248 17,094	2,247 – 3,917 – 16,990 2 8,248 1 17,094 –	New VTFH         Surface         Chairs           2,247         -         2           3,917         -         4           16,990         2         7           8,248         1         3           17,094         -         6	New VTFH         Surface         Chairs         Trams           2,247         -         2         -           3,917         -         4         -           16,990         2         7         -           8,248         1         3         -           17,094         -         6         1	2,247 - 2 3,917 - 4 16,990 2 7 8,248 1 3 17,094 - 6 1 -

Region	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	
East	9	8	8	5	9	7	7	9	6	2	
Midwest	2	0	1	0	2	0	2	3	5	4	
Mountain	25	17	11	22	11	4	5	7	10	9	
Pacific	8	3	5	6	5	3	3	4	2	4	
Canada	10	5	6	8	11	7	6	6	7	7	
TOTALS	35	54	34	31	41	38	21	23	30	26	

## **NEW LIFTS BY MANUFACTURER**

# **VTFH (000) COMPARISON WITH PRECEDING YEARS**

Surface	Chair	ondolas Trams	/ Funiculars	Total Lifts	Total VTFH
3	12	1	-	16	32,650
-	6	-	-	6	11,572
-	4	-	-	4	4,274
3	22	1	-	26	48,496
	3 -	3 12 - 6 - 4	Surface         Chair         Trams           3         12         1           -         6         -           -         4         -	3 12 1 - - 6 - 4	Surface         Chair         Trams         Funiculars         Lifts           3         12         1         -         16           -         6         -         -         6           -         4         -         -         4

Region	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
East	11,065	10,367	11,533	7,610	15,436	5,801	9,497	17,927	2,859	2,247
Midwest	1,130	0	638	0	1,228	0	1,855	1,474	5,181	3,917
Mountain	25,870	35,849	29,785	39,455	22,994	6,719	15,665	14,934	20,744	16,990
Pacific	15,860	4,250	9,998	16,718	5,209	960	4,707	7,259	4,079	8,248
Canada	11,675	6,533	11,767	21,610	11,777	12,601	11,242	7,629	4,649	17,094
TOTALS	65,600	56,999	63,661	85,393	56,644	26,081	42,966	49,223	37,512	48,496

**EAST** 

	_		Installed HP	1		Design	Initial		
Location	Туре	Manufacturer	HP	Length	Vert.	Cap.	Cap.	Speed	VTFH
NEW YORK									
Greek Peak	4C	Doppelmayr	300	3313	735	2400		450	1764
VERMONT									
Hermitage Club	4C	SkyTrac	150	2958	302	1600		450	483
MIDWEST									
Location	Tuno	Manufacturer	Installed HP	1 Length	Vert.	Design Cap.	Initial	Speed	VTFH
	Туре	Mallulactulei	nr	Length	vei t.	cap.	Cap.	Speed	VIFN
MICHIGAN									
Crystal Mountain	4C	SkyTrac	150	1038	294	2525		400	742
Mt. Brighton*	4C	Doppelmayr	60	742	148	2400		400	355
Mt. Brighton*	4C	Doppelmayr	60	751	151	2400		400	362
MINNESOTA									
Lutsen	6C-Det.	Leitner-Poma	500	3593	768	3200		1000	2458
MOUNTAIN									
MOUNTAIN	`		Installe			Danisa	Initial		
Location	Туре	Manufacturer	Installed HP	Length	Vert.	Design Cap.	Initial Cap.	Speed	VTFH
COLORADO	-//-							-,	
Breckenridge	6C-Det.	Leitner-Poma	900	5902	1502	3000		1000	4506
Breckenridge	4C	Leitner-Poma	150	2582	338	2000		453	676
Copper Mountain	Platter	Doppelmayr	24	879	263	534		300	140
Copper Mountain	T-Bar	Doppelmayr	100	2034	463	977		600	452
Vail Mountain	6C-Det.	Doppelmayr	780	4284	1108	3600		1000	3989
Wolf Creek	4C-Det.	Doppelmayr	428	4447	1079	1800		1000	1942
MONTANA		Doppellilayi	120		.017	.500		.500	.,, 12
Bridger Bowl	3C	SkyTrac	300	4362	831	1800		550	1496
Bridger Bowl	3C	SkyTrac	300	3619	863	1800		550	1553
TEXAS	30	Sky II ac	300	3017	505	1000		330	1333
El Paso**	Tram	Leitner-Poma	75	3379	1621	50		571	81
	IIdili	Leither-Follia	13	3319	1021	30		3/1	01
UTAH	40.0.1	D (	400	4017	10.40	1000		1000	2226
Snowbird	4C-Det.	Doppelmayr	428	4017	1242	1800		1000	2236
PACIFIC									
PACIFIC			Installer	1		Design	Initial		
Location	Туре	Manufacturer	Installed HP	Length	Vert.	Cap.	Cap.	Speed	VTFH
ALASKA									
Alyeska	4C-Det.	Doppelmayr	800	4307	1401	2400		1000	3362
CALIFORNIA									
Sugarbowl	3C	Doppelmayr	236	2911	906	1800		500	1631
				1127	73	344		400	25
Sugarpowi	I-Rgt	Dobbeimavr	14.75						
Sugarbowl	T-Bar	Doppelmayr	14.75	1121	10				
WASHINGTON						2400		1000	3230
	4C-Det.	Doppelmayr	488	3973	1346	2400		1000	3230
WASHINGTON Stevens Pass						2400		1000	3230
WASHINGTON Stevens Pass CANADA	4C-Det.	Doppelmayr	488	3973	1346	Design	Initial		
WASHINGTON Stevens Pass				3973			Initial Cap.	1000 Speed	3230 VTFH
WASHINGTON Stevens Pass CANADA	4C-Det.	Doppelmayr	488 Installed HP	3973 1 Length	1346 Vert.	Design Cap.		Speed	VTFH
WASHINGTON Stevens Pass  CANADA Location	4C-Det.	Doppelmayr	488	3973	1346	Design			
WASHINGTON Stevens Pass  CANADA Location ALBERTA	4C-Det.	Doppelmayr Manufacturer	488 Installed HP	3973 1 Length	1346 Vert.	Design Cap.		Speed	VTFH
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo	4C-Det.	Doppelmayr Manufacturer	488 Installed HP	3973 1 Length	1346 Vert.	Design Cap.		Speed	VTFH
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA	4C-Det.  Type  4C	Doppelmayr  Manufacturer  Doppelmayr	Installed HP	3973 1 Length 1496	1346 <b>Vert.</b> 220	Design Cap.		Speed 453	<b>VTFH</b> 462
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish	4C-Det.  Type  4C  Gondola-Det.	Doppelmayr  Manufacturer  Doppelmayr  Doppelmayr	488 Installed HP 100 750	3973  Length  1496  7008	1346 Vert. 220 2786	Design Cap. 2100		<b>Speed</b> 453 984	<b>VTFH</b> 462 3343
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler	4C-Det.  Type  4C  Gondola-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma	488 Installed HP 100 750	3973  Length  1496  7008	1346 Vert. 220 2786	Design Cap. 2100		<b>Speed</b> 453 984	<b>VTFH</b> 462 3343
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo  BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith	4C-Det.  Type  4C  Gondola-Det. 6C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma	100 750 930	3973 Length 1496 7008 5599	1346  Vert. 220 2786 1723	Design Cap.  2100  1200  3600  3600  2000		<b>Speed</b> 453 984 1000	VTFH  462  3343 6203
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain	4C-Det.  Type  4C  Gondola-Det. 6C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma	100 750 930	3973 Length 1496 7008 5599	1346  Vert.  220  2786 1723  715	2100 1200 3600		<b>Speed</b> 453 984 1000	VTFH 462 3343 6203 2574
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo  BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma	100 750 930 500 300	3973  Length  1496  7008 5599  3901 2195	1346  Vert.  220  2786 1723  715 522	Design Cap.  2100  1200  3600  3600  2000		\$peed 453 984 1000 1000 1000	VTFH  462  3343 6203  2574 1044
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo  BRITISH COLUMBIA Squamish Whistler  ONTARIO Blue Mountain Craigleith Devil's Glen	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma	100 750 930 500 300	3973  Length  1496  7008 5599  3901 2195	1346  Vert.  220  2786 1723  715 522	Design Cap.  2100  1200  3600  3600  2000		\$peed 453 984 1000 1000 1000	VTFH  462  3343 6203  2574 1044
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne	Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C-Det.	Doppelmayr Doppelmayr Doppelmayr Doppelmayr Leitner-Poma Leitner-Poma	100 750 930 500 300 100	3973  Length  1496  7008 5599  3901 2195 1148	1346  Vert.  220  2786 1723  715 522 262	Design Cap.  2100  1200 3600  3600 2000 1200		453 984 1000 1000 453	VTFH  462  3343 6203  2574 1044 314
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC	Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C-Det.	Doppelmayr Doppelmayr Doppelmayr Doppelmayr Leitner-Poma Leitner-Poma	100 750 930 500 300 100	3973  Length  1496  7008 5599  3901 2195 1148  5922	1346  Vert.  220  2786 1723  715 522 262	2100 1200 3600 3600 2000 1200	Cap.	453 984 1000 1000 453	VTFH  462  3343 6203  2574 1044 314
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750  930  500  300  100  500	3973  Length  1496  7008 5599  3901 2195 1148  5922	1346  Vert.  220  2786 1723  715 522 262  1752	2100 1200 3600 3600 2000 1200 1800	Cap.	\$peed 453 984 1000 1000 453 1000	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location	Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C-Det.	Doppelmayr Doppelmayr Doppelmayr Doppelmayr Leitner-Poma Leitner-Poma	100 750 930 500 300 100	3973  Length  1496  7008 5599  3901 2195 1148  5922	1346  Vert.  220  2786 1723  715 522 262  1752	2100 1200 3600 3600 2000 1200 1800	Cap.	453 984 1000 1000 453	VTFH  462  3343 6203  2574 1044 314
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  4C-Det. 4C-Det. 4C  4C-Det.	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Doppelmayr  Manufacturer	488  Installer  100  750  930  500  300  100  Installer  HP	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length	1346  Vert.  220  2786 1723  715 522 262  1752  Vert.	2100 1200 3600 2000 1200 1800 Design Cap.	Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA Location  ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba**	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750  930  500  300  100  Installed HP  150	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163	1346  Vert.  220  2786 1723  715 522 262  1752  Vert.  978	2100 1200 3600 3600 1200 1200 1800 Design Cap.	Cap.	\$peed 453 984 1000 1000 453 1000	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750  930  500  300  100  Installed HP  150	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163	1346  Vert.  220  2786 1723  715 522 262  1752  Vert.  978	2100 1200 3600 3600 1200 1200 1800 Design Cap.	Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
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WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo  BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba**  * Sheave assemblies, co	4C-Det.  Type  4C  Gondola-Det. 6C-Det. 4C-Det. 4C  4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Doppelmayr  Manufacturer  Leitner-Poma	488  Installed HP  100  750 930  500 300 100  500  Installed HP  150 nother lift.  6-Y	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
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WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, co	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installer HP  100  750 930  500 300 100  Installer HP  150 nother lift. 6-Y CON	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
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WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, co	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	100 750 930 500 300 100 1stalled HP 150 nother lift. 6-Y CON	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba**  * Sheave assemblies, companies of the content	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750 930  500 300 100  500  Installed HP  150 nother lift. 6-Y CON 100 80	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, co	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750 930  500 300 100  500  Installed HP  150 nother lift. 6-Y CON 100 80	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA Location ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, co TOWS: ROPE, H. Harusch 3 Multi Skilift 3	4C-Det.  Type  4C  Gondola-Det. 6C-Det.  6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w	Doppelmayr  Doppelmayr  Doppelmayr  Doppelmayr  Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma	488  Installed HP  100  750  930  500  300  100  500  Installed HP  150  nother lift.  6-Y  CON  100  80	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 ncludecd	2100 1200 3600 3600 2000 1200 1800 Design Cap. 229 d in totals	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, c  TOWS: ROPE, H. Harusch 3 Multi Skilift 3  CONVEYORS ChairKid	4C-Det.  Type  4C  Gondola-Det. 6C-Det. 4C-Det. 4C-Det. 4C-Det.  Type  Pulsed Gondola thairs and crossarms w  ANDLE, WIRE ROL TOTAL	Doppelmayr  Doppelmayr Doppelmayr Doppelmayr Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Poppelmayr  Manufacturer Leitner-Poma ere recycled from an	488  Installed HP  100  750  930  500  300  100  500  Installed HP  150  nother lift.  6-Y  CON  100  80	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CHIVEYOR	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 MART (INST	Design Cap.  2100  1200 3600  3600 2000 1200 1800  Design Cap.  229 d in totals  OF ALLATI	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed 1000	VTFH  462  3343 6203  2574 1044 314  3154  VTFH  224
WASHINGTON Stevens Pass  CANADA  Location  ALBERTA Kinosoo BRITISH COLUMBIA Squamish Whistler ONTARIO Blue Mountain Craigleith Devil's Glen QUEBEC Mont-Sainte Anne  MEXICO Location VERACRUZ Orizaba** * Sheave assemblies, c  TOWS: ROPE, H. Harusch 3 Multi Skilift 3  CONVEYORS ChairKid	4C-Det.  Type  4C  Gondola-Det. 6C-Det. 4C-Det. 4C  4C-Det.  Type  Pulsed Gondola thairs and crossarms w  ANDLE, WIRE ROL TOTAL	Doppelmayr  Doppelmayr Doppelmayr Doppelmayr Leitner-Poma Leitner-Poma Leitner-Poma Leitner-Poma Poppelmayr  Manufacturer Leitner-Poma ere recycled from an	100 750 930 500 300 100 1500 Installed HP 150 nother lift. 6-Y CON 100 40	3973  Length  1496  7008 5599  3901 2195 1148  5922  Length  3163 ** Not i  EAR CH	1346  Vert. 220 2786 1723 715 522 262 1752 Vert. 978 MART (INST	Design Cap.  2100  1200 3600  3600 2000 1200 1800  Design Cap.  229 d in totals  OF ALLATI	Initial Cap.	\$peed 453 984 1000 1000 453 1000 \$peed	VTFH  462  3343 6203  2574 1044 314  3154  VTFH  224

average number of new lifts," says Rick Spear from Leitner-Poma, "and I predict we'll get there in 2014. Last year was an echo from the terrible snow year the year before."

Mark Bee from Doppelmayr is also hopeful the pattern will break and that 2014 will see more lifts, but it all depends on Mother Nature. "What materializes will largely depend on early season numbers," Bee says. "Most of the market likes to feel comfortable with these numbers before making big decisions like a new lift."

Over at SkyTrac, Jan Leonard was pleased with the four lifts the company installed. "We had three early orders, which was great," he says. Leonard does feel that summer activities are affecting lift sales. "Any money that was spent last year appeared to go toward summer operations."

Two things that the lift companies agreed on are the importance of projects outside the ski industry, as well as the growing importance of work on existing lifts. SkyTrac and Doppelmayr reported a considerable volume of work in lift modifications and relocations, while Leitner-Poma took on the enormous Big Roller in Las Vegas and will start tackling the new automatic people mover in Miami Airport's new Terminal E.

#### **SURFACE LIFTS**

Conveyors saw a healthy rebound from 32 in 2012 to 49 in 2013. And tows increased from 5 in 2012 to 6 in 2013.

"Tubing continues to be a big market for us," says Jennifer Kelly from Magic Carpet. "And we are also doing a lot of work repowering conveyors for more capacity." Kelly also says that canopies are much sought after by areas who have snow removal issues.

Over at Star Lifts, the number of installations more than doubled from 2012 to 2013. "Projects that were backburnered in 2012 came on line in 2013," says Pete Kavanagh from Star Lifts. "I also think that terrain-based learning is having an impact on conveyor sales."

At presstime, the snow was flying from one end of the continent to the other, which will make for good early season numbers. Beyond that, it's anybody's guess.













TOP ROW: Left: A terminal is installed for Lutsen Mountain's new detachable 6-pack from Leitner-Poma, which covers almost 3,600 feet.
Right: Breckenridge installed two Leitner-Poma lifts—a detachable 6-pack and a fixed-grip quad. Shown here is the lower end of the fixed-grip quad.
SECOND ROW: Both pictures are of Doppelmayr's detachable quad installed at Snowbird, Utah, which will carry 1,800 people per hour this winter.
THIRD ROW: Left. These two conveyors by Star Lifts were installed in the beginner area at Brian Head, Utah, which is under new ownership.
Right. This 410-foot conveyor from Magic Carpet was installed at Fernwood Resort in Pennsylvania.

BOTTOM ROW: Crystal Mountain, Mich., is the proud new owner of this fixed grip quad from SkyTrac.

