

CCCS Board Meeting Minutes April 14, 2008

Board Members Present: Michel Bazille, Ron Evans, Stuart Ward; Regrets: Brian Lande, Mark Nelson

Contractors: Bob Cross, James Hindley, Jean Prins.; Regrets: Babs Goertz, Christine Hyde, Tracy McGrath

Members Present: none

- 1) Adopt Agenda
Motion: to adopt the agenda: Michel/Stuart – Adopted

- 2) Member Presentations
 - a) none

- 3) Adopt minutes
 - a) March 10, 2008 meeting
Motion: to adopt these Minutes: Stuart/Michel – Adopted

- 4) Business Arising
 - a) Ron will send the Telus letter as soon as he has the address.

- 5) Contractor Reports/Presentations
 - a) Financial reports (Christine)
Financial Report shows ...
Motion: to adopt the Financial Report: Michel/Stuart – Adopted

 - b) Christine reports that without contractors banking their hours as they have been doing, we would not be solvent. Thank-you all.

c) Public Relation and Webmaster reports (Jean)

- i. Phones have been relatively quiet.
- ii. Jean reports that Tracy will go on maternity leave at the end of May, but will be able to fill in occasionally for Jean.
- iii. February Subscribers:

Dial-up	# of Members	Subscrip. Fee	Maint. Fee	Value
Plan 1	59	20	0	1180
Plan 2	38	35	0	1330
Plan 3	23	45	0	1035
Directors	3	20	0	60
Total Dial-up	121	Total Dial-up Rev.*		3605

High-speed	Total Subsc	Served Subscr	Subscrip. Fee	Maint. Fee		
Silver	98	43	55	5	2580	
Gold	12	7	80	5	595	
Platinum	3	3	115	15	390	
Titanium	4	4	145	15	640	
Directors	5	2	30	0	60	
Unserved H-S	-	45	20		900	
Total High-speed	122	59	Total HS Revenue*		5165	
Total Subscribers	243	180	Raw Total Revenue*		8770	
Annual Silver	-	5	-55	-5	-300	
Property Usage	-	1	-55	-5	-60	
					Expected Total Rev.*	8410

*This does not include overage revenue or GST

d) Tech/Installer reports

i. Bob

1. Bob and James flew to Saloompt mountain and found the batteries totally dead and unable to take a charge.
2. Training: Bob spent 2 intense days of study at the Tranzeo training workshop and learned a lot
3. He discussed our tower issues with the technical people from Tranzeo and found out that all of Whistler is being served from a tower at 6500 ft and that system has no trouble staying up with far less solar panels and more radios. There is no reason that our tower on Saloompt shouldn't work all winter. He suspects that our trouble has always been the inherited batteries that were second hand when they were originally placed up there.
4. We have moved entirely out of the storage at the old Forestry Building and are now storing our equipment at the Fougner mountain site.

ii. James

1. James reports that now on all CPE radios should be put into router mode. This will eliminate the need to place static IPs on CPEs and in member computers. Then any upgrades or changes to IP addresses can be done from a central location instead of physically going to each members house to make the changes. This will also enhance our security.
2. Based on information that Bob brought back from his training workshop and the fact that the batteries at Saloompt have totally gone, James proposes that for just over \$1600 he can have Saloompt back up with all new equipment and batteries using the existing solar panels. (See attached proposal.) He still has \$1900 that he hasn't transferred to CCCS from the sale of old equipment.
3. Bringing Saloompt back on line will allow 44 members to be brought back on line almost immediately. This will give us the much needed cash flow that we need to continue building out the Valley Floor Network.
4. The new access point antennae will be mounted outside the com-shell thus allowing significantly greater range to be realized. This way Saloompt could serve the mid-valley that was originally served by Noohalk Mountain.

Motion: James and Bob are given a budget of up to \$1900 to cover the cost of installing new equipment on Saloompt mountain including a 5.8 GHz backbone link to SAMSS server room, new Gel batteries, new solar panel controller, and bring back whatever old equipment he can for re-sale.

Stuart/Michel – Adopted

5. James will discuss trading the solar panels on Noohalk Mountain to Richard in return for helicopter flights to minimize the cost of this trip.

Motion: to accept the contractor reports: Stuart/Michel – Adopted

Ron cautions that we should take this one step at a time to confirm that this new system works as it is supposed to. The mountain top sites have been a maintenance issue from day one simply because they are inaccessible for significant portions of the year. Yes, this will be almost entirely new equipment, but when the unforeseen occurs this is still a remote site that is inaccessible when it is most likely to fail. We should continue to build the VFN if for no other reason than that it allows us some redundancy should Saloompt go down again.

- 6) Old Business
 - a) none

- 7) New Business
 - a) AGM planning
 - i. The AGM is scheduled for May 5, 7:30 in room 4 at SAMSS.
 - ii. Ron will produce an agenda for this meeting.

Motion: to adjourn: Stuart/Michel – Adopted

James Proposal:

Saloompt Proposal

Solar Regulator

TriStar TS-60 - \$260.00

The original setup was using 2 controllers, 1 for each solar panel bank. We will join both solar panel banks together and then put them into 1 controller.

Batteries

2x CAT Gel 225aH 12 volt batteries aligned in series to produce 24 Volts - \$550.00 Each

These 2 batteries will be the start for our new battery bank. Our equipment uses 1aH so these batteries will allow us to run for 225 hours without a charge. We would like to get 4 more in the future so that we have 675 hours to run without a charge. 675 hours translates to 28.125 days we can last without any charging at all.

Solar Panels

We have 2 sets of 8 panels each for a total of 16. Each panel produces a max wattage of 123 watts for a total of 1968 watts. Our equipment uses 30 watts in total. We are producing 65.6 times more energy than we are consuming when the panels are putting out the max power. Even just 1 panel is 4 times more energy then we consume. Bob has come up with 2 ways to help keep the ice and snow off of the panels. The first was recommended by Tranzeo; to use turtle wax over all of the panels. The second Bob invented; he is going to put black strips of material between the panels and also over hang by a couple of inches. The black will attract the sun and start warming and clearing the panels. The overhang will move in the wind and will shake off any snow or ice that would cling to it. Then when the sun comes out again, it will warm up the overhang parts and continue to melt ice and snow off of it. As soon as a part of the solar panel shows, the sun continues to melt the ice and snow because it is also of a dark color.