

West Windsor Selectboard  
Draft Minutes  
May 18, 2016

Present: Tom Kenyon, Win Johnson, Laura Farrell (Mt. Ascutney Outdoors), Bill Stillson, Dan Austin (Green Mtn. Power), Dave Winslow (Green Mtn. Power), Nate Pion (Aldrich + Elliott), John Askew (LN Consulting), Martha Harrison

- 1) Call to Order – The meeting convened by consensus at 2:30 PM.
- 2) Changes or additions to the agenda – None
- 3) Announcements/Public Comment – None
- 4) Meet with Green Mountain Power, Aldrich + Elliott, and Ascutney Outdoors to discuss plans for electrical service to mountain property - Nate said the booster pumps are 7.5 hp, three-phase pumps. Dave said based on rough calculations, there would just be a customer charge, a service charge and a charge for kilowatt hours used; no demand charge. Laura talked about the electrical needs of Mt. Ascutney Outdoors. Laura asked if the excavating can be done by a volunteer. John said yes, although the electrical work itself has to be done by a Vermont-licensed electrical contractor. John said if AO and the Town are separate customers, then AO should come off the pole with its own meter. If the Town runs conduit and wiring to Reservoir #1, they could put in extra conduit for AO at the same time, in case AO needs it in the future. Dave suggested running communications cable at the same time too. Those present agreed that the Town and AO could share installation costs from Ski Tow Road to the last pole on the maintenance shed parcel but, beyond that, each organization would be on its own. Nate said the SCADA system for the water system is going to be cellular. Dan said the existing source pole on Ski Tow will need to be replaced by Fairpoint. Excluding Fairpoint's costs, Dan said, building two sections of 3-phase with a linear distance of about 500' and two poles would cost about \$11,000. Nate asked if the \$11,000 includes the transformer. Dan said yes. Bill asked about the voltage for the water project. John said it will be 208. Bill asked if that's compatible with what AO needs. Laura said the T-bar that AO is considering has a 130 hp motor. John said a 130 hp motor is going to need 480 volts and a separate pole-mounted transformer. Laura said AO is also considering a shorter T-bar with a 20 hp motor. John said they could get away with 208 volts for that. Dave said the price in Vermont is 14.1 cents per kilowatt hour. There was discussion about whether or not running a T-bar with a 130 hp motor would incur "demand charges." Demand charges would result in an extra \$2,000 per month. John said some customers switch to a generator if they see they're getting close to a level of demand that would incur additional charges. Dave said Brattleboro Memorial Park has a small rope tow and they make snow and they don't incur demand charges. John asked what type of motor Brattleboro has for their rope tow. Laura said she doesn't know. Nate asked about the incremental cost of putting in a 480 volt service, as opposed to a 208 volt service. John said there would be an extra panel board and a small transformer in the booster pump station, which would probably increase the cost by less than \$1,000. Laura asked about the power requirements for 12 LED lights for night skiing. Dave said there are a number of options. John said you can connect 277 on a 480-volt system. There was discussion about meter location. John said there's no real increase in cost to run a 480-volt system as opposed to a 208-volt system. John said the water system might even save a little money by running a 100-amp service to the pump station, rather than a 200-amp service. Nate said the Preliminary Engineering Report did not include running power from Ski Tow Road because A+E thought the existing electrical service in the Base Lodge area could be used. John said the cost of running power to the pole where the two services split is generally

shared equally by both customers. Laura asked about the cost of running the 300 hp pump for the snowmaking system. John said the problem is that it's over 200 kW and if you run it for more than 15 minutes, you're going to incur demand charges for the whole year.

- 5) Site visit: Mountain property off Ski Tow Road – Those present went to the site and placed posts where the proposed power poles will be located; one near the maintenance garage and one on each side of the brook. The discussion earlier in the meeting had anticipated two GMP poles but placing a pole on each side of the brook eliminates the need for guy wires on the final pole, which could be dangerous for skiers and bikers. The cost for an additional pole is about \$1,500.
- 6) Other Business – None
- 7) Adjourn – The meeting adjourned by consensus at approximately 3:50 PM.

Respectfully submitted,

Martha Harrison