

Wreck Beach Preservation Society Meeting
Minutes for Nov. 19, 2009
MV West Area
Airport Square Building
6:10 p.m.

PRESENT: Rick Fearman, Geoff Godding, Dan Hilborn, Stf. Sgt. Kenna, James Loewen, Dave Murdoch, Laurie Merveille, Chris Rarinca, Lance Read, Jonathan Rhone, Lucy Rodriguez, Dave Rodriguez, Richard Wallis-MV, Judy Williams
Nexterra – Charlie Ker, Jonathan Rhone, Goran Sparica
UBC Managing Director of All UBC Facilities - Dave Woodson
UBC Campus and Community Planning - Karen Russell
UBC Sauder School of Business - James Tanney; UBC Applied Science - Steve Cockroft

- I. Introduction of guests from Nexterra and UBC
 - II. Round the table introductions of attendees
 - III. Presentation from Nexterra and UBC/ questions and answers on the proposed biomass facility across from the loonie lot above Wreck Beach-\$27-million and 15,000 sq. ft. (30 minutes)
 - Bio-Energy research and Demonstration Project
 - UBC powerhouse burns one million Giga-Joules of natural gas annually
 - Campus as a living lab concept
 - world class greenhouse gas emissions and fossil fuel consumption
 - Provide faculty and students with research and learning opportunities in the sustainability sector
 - See www.nexterra.com for Dockside Green project and further info
 - 2 megawatts of 44 MW max UBC power use
 - Ties in with UBC's Forest Products innovations (engineered lumber to be used in building of facility)
 - Elimination of up to 8,000 tonnes of greenhouse gas annually
 - Displaces natural gas for 600 homes
 - PM emissions equal to natural gas
 - no noise
 - no odors or smoke
 - 2-3 truckloads of wood fuel – type of trucks to be studied
 - Biomass is a carbon neutral
 - Low emission trucks will be a future part of this
 - route is likely Marine Drive
 - Not ethanol based – it's CO₂-H₂-H₂O
 - Site is - Marine Drive and Agronomy Road north of Totem Park
 - Fuel delivery is less than 1% of current campus truck traffic
 - Campus biomass, land clearing, clean construction debris, municipal tree trimming
 - If approved construction could start April 2010; completion within 12 months (geo-technical survey is to be done)
 - Nexterra has a project underway at UNBC, to be fired up last quarter 2010
- Q&A:

Chris - How is syngas converted to heating energy?
NT – converted to steam and added to UBC piping
Chris - Does it matter here on the campus this is located?
UBC – Has to be on steam grid; near delivery access; student class access.
Rick: Marine Drive residents will be concerned about truck traffic.
UBC/NT – trucks have yet to be decided
Dan – Have Delta greenhouses been approached by Nexterra?
NT – not yet, good idea
Dan – is LEEDs the only standards you go by? Or do you go by ISO?
NT – Standards are based at this time on Vancouver’s standards, one of the highest at this time.
Geoff – what percentage of UBC power is to be supplied?
NT – 12%, UBC – broader power source study underway, geothermal, etc.
UBC – Multiple technologies to be fed into grid
Lance – Why not Kelowna campus?
UBC – they use geothermal and are already carbon neutral
Dorothy – will this reduce the prospects of further hydro lines coming through PSRP?
UBC – No! UBC is near redundant peak capacity. Unless additional capacity is found on site, and ways and means are found to reduce power use to help with that issue. UBC would like to see power fed underground for security purposes and would like to avoid a third line.
Judy – how did UBC get involved with this?
UBC – Nexterra approached UBC
Judy – How many sites?
UBC – believe there were six (Judy would like to see this)
Judy – How deep is the foundation?
NT / Goran - Slab is to be 6” to 8”, does not know extent of foundations
Judy – Why was the information meeting the night before it went to the BOG? Was it advertized in the daily or local newspapers? Can location be changed at this point?
UBC Karen Russell – A large chunk of work done before application is submitted. Nexterra initially brought info to public and placed notice in July and Sept. West Side Courier. UBC has not reached public consultation point yet. Location has not been decided by UBC.
Lance – Agronomy Road is narrow, 2.5 lanes? Do the trucks enter facility off Marine Drive? Will any of Totem park side be removed?
UBC/NT – No?

Meeting Adjourned at **7:38** p.m.

Next Meetings:
December **10th**
January **21st**