

DRAFT

CITY OF PORT MOODY

MINUTES

BURRARD THERMAL LIAISON COMMITTEE

Minutes of a meeting of the Burrard Thermal Liaison Committee held March 15, 2007 in the Brovold Room, City Hall.

PRESENT:

Councillor Bob Elliott, Chair
Dave Fox, Manager Thermal Operations, BC Hydro
George Broderick
Elisha Moreno, Media Relations Manager, BC Hydro
Elaine Golds

ABSENT:

Henry Khuu

IN ATTENDANCE:

Julie Hunter, Committee Coordinator
John Maher Environment & Social Issues Manager, BC Hydro
Julie Pavey, Manager of Environmental Services

(1) **CALL TO ORDER**

Councillor B. Elliott, Chair, called the meeting to order at 7:00 p.m.

(2) **ADOPTION OF AGENDA**

MOTION

Moved, seconded and CARRIED

THAT the agenda of the Burrard Thermal Liaison Committee meeting held March 15, 2007 be adopted as circulated.

(4) **BUSINESS**

BURRARD
GENERATING
STATION
ENVIRONMENTAL
OVERVIEW
PRESENTATION

4.1 Mr. D. Fox conducted a presentation regarding Burrard Thermal Generating Station and the Environment. Committee members asked questions and discussion ensued regarding recycling of heat, the increasing population and increasing energy demand, concerns regarding climate change, concerns regarding the aging infrastructure, natural gas as a cleaner source of power than coal, the concern that the Burrard Thermal plant should be retained as it is a low emitter of greenhouse gases, the 2014 planning horizon for the Burrard Generating Station and the options to retire, re-power or retain the plant.

BC ENERGY PLAN

4.2 Ms. A. Moreno presented information regarding the BC Energy

Plan. Committee members asked questions and discussion ensued regarding how to change consumer behaviour, independent power producers, dam projects, bio energy, the Power Smart program, public education, and establishing incentives for conservation.

MOTION

Moved, seconded and CARRIED

THAT *Whereas:* The 950 MW Burrard Thermal Generating Plant (BTGP) in Port Moody which burns natural gas to supply electricity has the capacity to generate approximately 10% of the total electricity demand supplied by BC Hydro

***Whereas:* A number of improvements in recent years such as the installation of Selective Catalytic Reduction Units have significantly reduced its emissions of smog-producing pollutants by approximately 90% and that (e.g.) in 2006, the BTGP is estimated to have contributed only 0.05% of the NOX emissions in the lower Fraser Valley.**

***Whereas:* A number of improvements in recent years such as the installation of dechlorination equipment and reduced use of chlorine in cooling water have reduced its impact on water quality in Burrard Inlet**

***Whereas:* The largest source of GHG emissions in the lower mainland is vehicle emissions not electricity generation (In the most recent inventory in 2000, light duty vehicles accounted for 24% of lower Fraser Valley GHG emissions while Burrard contributed 6% and all power plants including those in Whatcom County totalled 15% – GVRD data).**

***Whereas:* In 2005, BTGP was only the 4th largest single point producer of GHG in the lower mainland (Lehigh's Delta cement plant was in first place releasing 1.12 tonnes of GHG, LaFarge's Richmond cement plant produced 863,000 tonnes, the Chevron Refinery in Burnaby released 430,000 tonnes while BTGP released only 70,000 tonnes of GHG while generating 109 GWh of electricity; furthermore, as another example, in 2000, BTGP generated only 1.2% of GHG emissions in the lower Fraser Valley while generating approximately 3000 GWh of electricity. Note: This ranking can, of course, fluctuate dramatically based on the amount of gas burned, which is directly related to how much power Burrard is called on to generate.**

***Whereas:* The BTGP is located in the lower mainland close to British Columbia's major population centre and thus is strategically located to supply electricity during emergency conditions such as ice storms which could affect**

transmission lines.

Whereas: The BTGP continues to play a key role in providing voltage regulation on transmission lines through use of its generators as synchronous condensers and it could cost up to \$76 million to install new equipment to replace this function

Whereas: The electricity produced by BTGP is a firm source that can be delivered locally on demand unlike the intermittent and more distant sources of private power producers

Whereas: The BTGP played a key role by producing electricity during the critical winter months of 2006/07 (4 units were operated as required, total 625 MW of capacity)

Whereas: The BTGP has rarely been used at full capacity, has been well maintained and thus continues to have a reasonable life span well beyond 2014.

Whereas: Natural gas is cleanest fossil fuel which generates the least amount greenhouse gases per energy unit and is a source to which many jurisdictions are now turning instead of coal and oil.

Whereas: Operating BTGP during the winter months to meet peak energy demand during cold periods with short daylight hours is the period of the year when the generation of smog-producing chemicals is of least concern.

Whereas: Using Burrard Thermal rather than purchasing electricity from coal-fired sources outside the province would be consistent with provincial energy policies to promote self-sufficiency and minimize GHG production.

Whereas: The provincial Energy Plan indicates there could be a shortage of electricity to meet future provincial needs in the absence of a continued reliance on BTGP.

Whereas: BTGP provides local jobs, revenues to City and is a valued member of the Port Moody community

Whereas: Keeping the BTGP operating as long as possible will keep options open regarding a potential re-powering of the facility at some point in the future

Therefore be it resolved: The Burrard Thermal Generating

Plant should not be closed as scheduled in 2014 but be kept in operation and fully maintained as a firm and reliable energy source so that it can continue to play a key role in meeting the province's electricity needs especially during high demand periods as well as providing voltage regulation and be ready to provide electricity under emergency conditions during periods of problematic supply from other areas in the province.

- TOUR OF BURRARD THERMAL GENERATING STATION 4.3 Mr. D. Fox invited the Burrard Thermal Liaison Committee and the Environmental Protection Committee to participate in a tour of Burrard Thermal Generating Station. It was agreed that a date and details would be confirmed.
- FINGERLING FESTIVAL 4.4 Ms. E. Golds invited Committee members to attend the Fingerling Festival scheduled for May 5, 2007.

(7) **ADJOURNMENT**

The meeting of the Burrard Thermal Liaison Committee held March 15, 2007 was adjourned at 8:35 pm

The date of the next meeting is to be confirmed.

Councillor B. Elliott, Chair

J. Hunter, Committee
Coordinator