



**ENVIRONMENT COMMITTEE**

*HIS WORSHIP, THE MAYOR  
AND COUNCILLORS*

**SUBJECT: BURNABY LAKE REJUVENATION PROJECT**

**RECOMMENDATIONS:**

1. THAT Council authorize staff to initiate an invitation to tender for Phase 1 of the lake rejuvenation program as outlined in Section 3 of this report.
2. THAT a copy of this report be forwarded to the Parks, Recreation and Culture Commission and all Burnaby MLAs and MPs.

**REPORT**

The Environment Committee, at its meeting held on 2009 April 14, received and adopted the *attached* report providing information on the current Burnaby Lake Rejuvenation Project status and seeking Council's approval of the next phase of the work program.

Phase 1 will include the rowing basin and selected environmental dredging with a total budget of not exceeding \$18M. Phase 2 will include the remaining environmental dredging identified in the original 2002 approved full scale dredging plan. Staff will report to Council on the tender award and funding allocation for Phase 1. Phase 2 would proceed only if and when additional funding from the federal government or others becomes available.

Respectfully submitted,

Councillor D. Johnston  
Chair

Councillor S. Dhaliwal  
Vice Chair

Councillor A. Kang  
Member

<p>Copied to: City Manager Director Finance Director Parks, Recr. &amp; Cult. Services Director Planning &amp; Building Director Engineering</p>
--

**TO:** CHAIR AND MEMBERS  
ENVIRONMENT COMMITTEE **DATE:** 2009 April 07

**FROM:** DIRECTOR ENGINEERING **FILE:** 35000 20

**SUBJECT:** BURNABY LAKE REJUVENATION PROJECT

**PURPOSE:** To inform the Committee and Council of the current project status and to seek Council approval of the next phase of the work program.

---

**RECOMMENDATION:**

1. **THAT** The Committee recommend to Council that:
  - a) Staff be authorized to initiate an invitation to tender for Phase 1 of the lake rejuvenation program as outlined in Section 3 of this report.
  - b) A copy of this report be forwarded to the Parks, Recreation and Culture Commission and all Burnaby MLA's and MP's.

**REPORT****1.0 INTRODUCTION**

The Burnaby Lake Rejuvenation Project has been on the City's Capital Plan for many years and major project milestones have been achieved by the City over the same period which include a pilot project in 2000, the issuance of a Project Approval Certificate by the Province in 2002, and the finalization of the dredging design and pre-tendering preparation in 2008. The purpose of this report is to provide the Committee and Council an update on the current work progress and to seek Council approval for staff to proceed to the next stage of the work program.

**2.0 CURRENT PROJECT STATUS**

Since the completion of the Burnaby Lake pilot project in 2000, the City has submitted several applications to the provincial and federal governments seeking possible project funding grants. All the City's applications have been unsuccessful due to other competing priorities and over-subscribed programs. Nevertheless, the diminishing open water in Burnaby Lake due to sediment deposits in the lake bottom and its negative impact on the significant lake environment and on-lake activities have drawn attention from the senior governments. In 2008, the Province made a financial commitment to the project and provided \$10M to Burnaby as the Provincial share of

To: *Environment Committee*  
From: *Director Engineering*  
Re: *BURNABY LAKE REJUVENATION PROJECT*  
2009 April 07..... Page 2

the Burnaby Lake Rejuvenation project cost. Following the receipt of the funding from the Province, Council authorized staff to finalize the dredging design program and the necessary pre-tendering preparation work. Pursuant to Council's approval of the 2008 work program, the following tasks have been completed:

## 2.1 Final Design and Contract Document

The final design and contract document preparation is substantially complete and will be tender ready by 2009 May. Review meetings were held with Metro Vancouver, Burnaby Lake Rowing Club and Burnaby Lake Park Association representatives to provide updates on the project and to invite input on the final designs.

The scope of the rejuvenation program is based on the 2002 Council approved plan. It includes the dredging of the rowing course and environmental areas including the outlets of Still Creek, Deer Lake Brook, Ramsey Creek and Eagle Creek. When complete, the rowing basin will be restored to international standards, similar to the standards that were established in 1972 for the Canada Summer Games. The restored course will also serve as a premier rowing venue for future competition and training. The environmental dredging will include the removal of sediment deposits in and around the outlets of several major streams entering Burnaby Lake. The environmental dredging will enhance fish passage and improve the lake's precious ecosystem.

## 2.2 Dredging Contract Prequalification

Burnaby Lake is a national treasure in the Metro Vancouver region and with its surrounding forests, it is considered one of the region's finest and most ecologically sensitive areas. As such, the dredging program must be carried out by qualified and experienced contractors with the prerequisite knowledge, equipment and resources.

In order to ensure the final successful contractor selected for the project is qualified to undertake the required work, a prequalification process was initiated in 2009 February and was closed on March 20. A total of ten submissions were received. An evaluation and assessment of the submissions was undertaken by the project team including City staff and the project consultants. Based on the evaluation by the project team, four contractors are selected and will be invited to participate in the final tender process.

## 2.3 Project Funding

The estimated project cost is \$30M of which \$20M are in place. Funding of the remaining \$10M is required in order to proceed with the project scope as approved in 2002. The City has submitted funding applications under the Infrastructure Canada Program in the last five years, but has been unsuccessful in securing the necessary funding support from the federal government.

To: Environment Committee  
From: Director Engineering  
Re: BURNABY LAKE REJUVENATION PROJECT  
2009 April 07..... Page 3

In 2009 February, the City submitted a further application through the Province for funding under the Community Component of the Building Canada Program. This City's application includes six priority projects that address the program's funding criteria. These six projects in order of priority include Burnaby Lake, 2009 World Police and Fire Games, Combined Sewer Separation, Metrotown Parkway Square, Water Infrastructure Replacement and Burnaby Central High School Track and Field facility. As of to-date, the City has not received any news on its latest funding application.

#### 2.4 Project Schedule

With the completion of the prequalification process, staff are in the position to advance the project to the tender phase. A re-assessment of the project schedule was undertaken recently and it was concluded that a \$20M scope contract, based on the current available project funding, may be advanced and completed by the end of 2011 and that a \$30M scope contract may be completed by 2012. In a recent discussion between City staff and the Burnaby Lake Rowing Club (BLRC), staff were informed that Canada has been selected as the host country for the 2010 Commonwealth Rowing Championships event. Rowing Canada Aviron has released an invitation to rowing clubs and organizations in Canada who may be interested in hosting the regatta. The event will be held from 2010 July 31 to August 01 and it will require 1,000m (half of the full course length) for the competition. Staff have reviewed the feasibility of providing the 1,000m rowing course by 2010 July and concluded that it is feasible to complete the dredging for a 1,000m rowing course by summer 2010 with the provision that the dredging program is commenced by 2009 September. Projecting back from the 2009 September dredging start date, the tender for the dredging contract would have to be released by early May for the tender to be awarded by mid-June.

It is expected that several Canadian organizations including BLRC will be submitting a bid to Rowing Canada in this coming June for the hosting of the 2010 event. Staff will have a more definitive schedule for the dredging work once the tender process as proposed in Section 3.0 below is completed. Staff will also liaise with BLRC on the outcome of their submission.

### 3.0 NEXT STEPS

The government of Canada's \$33 billion Building Canada Program will provide funding for strategic investments in projects to promote economic growth, cleaner environment and stronger communities. Staff believe the Burnaby Lake project meets the program criteria and qualifies for funding consideration. While the City is ready to proceed to the tender phase of the project plan, staff are mindful of one of the Building Canada Program requirements is that the project must not proceed to construction prior to receiving project funding approval.

In the absence of a decision on the City's Building Canada funding application, staff recommend that the Burnaby Lake Rejuvenation project be divided into two phases. Phase 1 will include the rowing basin and selected environmental dredging with a total cost not to exceed \$18M. Phase 2 will include the remaining environmental dredging that is part of the 2002 approved full scale

To: Environment Committee  
From: Director Engineering  
Re: BURNABY LAKE REJUVENATION PROJECT  
2009 April 07..... Page 4

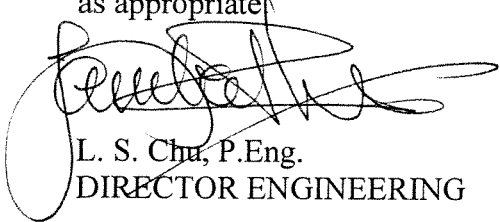
dredging plan. This phased approach will allow the City to meet the Building Canada program requirement, to take advantage of the current available project funding and to complete the rejuvenation plan in a timely manner.

Subject to Council approval of the above, staff would proceed to initiate an invitation to tender for the Phase 1 program. The tender would be issued in 2009 May to the prequalified contractors. A further staff report will be submitted to Council on the tender results and award recommendation. Phase 2 of the dredging program would proceed only if and when the remaining \$10M funding is made available to the City. Staff will monitor the status of the City's Building Canada funding application and advise Council accordingly.

#### 4.0 CONCLUSION

The final design and contract document preparation for the Burnaby Lake project is now substantially complete and will be ready for tender soon. In order to ensure a timely completion of the project and to take advantage of the current favourable market condition, it is recommended that the City proceed with a two-phase dredging program. Phase 1 will include the rowing basin and selected environmental dredging with a total budget of not exceeding \$18M. Phase 2 will include the remaining environmental dredging identified in the original 2002 approved full scale dredging plan. It is further recommended that staff be authorized to proceed with an invitational tender process for Phase 1 with a further report to Council on the tender award and funding allocation. Phase 2 would proceed only if and when additional funding from the federal government or others becomes available.

Staff will provide further updates to the Committee and Council on the project and funding status as appropriate.



L. S. Chu, P.Eng.  
DIRECTOR ENGINEERING

LSC:br

Copied to: City Manager  
Director Finance  
Director Parks, Recreation and Cultural Services  
Director Planning and Building