

BURNABY MOUNTAIN GOLF COURSE - IRRIGATION SYSTEM

123

RECOMMENDATIONS:

1. THAT an automated irrigation system be installed at Burnaby Mountain Golf course at an estimated cost of \$650,000.
2. THAT \$26,000 be allocated from 1992 Capital Contingency to fund the necessary consultant work to develop the irrigation design and specifications for the tender package.
3. THAT the Commission so recommend to Council.

REPORT

BACKGROUND:

The existing irrigation system was installed in 1968. The system consists of 40 HP electric pump, 7" aluminum main lines, plastic feeder lines, quick coupler rainbird sprinklers for the fairways and Toro valve and head sprinklers for the greens and trees. The system is worn out. The aluminum and old plastic pipe have deteriorated to a point where they leak constantly. There is an average of one break per day during periods of heavy use.

The cost of operating and repairing the system has risen over the past six years and we are no longer able to do an adequate job of watering. Greens, tees and fairways are either too wet or too dry. The system wastes a significant amount of water.

If the system is not replaced in the near future, the staff will be unable to maintain the quality reputation that Burnaby Mountain Golf Course has become known for in the past few years.

REPORT:

The estimated cost of a complete automatic irrigation system for the 18 holes and driving range is \$650,000. The most efficient and least disruptive schedule would be to design and install the system as one project with installation starting in mid-October with a goal of completing the work by early spring. The work schedule would keep nine holes in play while the other nine are under construction allowing the course to remain open to golfers during construction.

The design tendering and contract approval process would occur between August and early October so construction could start in mid-October. We estimate that the work on the first nine and driving range would take six to eight weeks and would cost approximately \$450,000. Therefore, this work would be complete before the year end. The second nine could be done early in the new year with an anticipated completion by mid-March at an estimated cost of \$200,000.

-2-

FINANCING:

The 1992-1996 capital plan has identified \$450,000 in 1993 for the Burnaby Mountain Golf Course irrigation project.

Because of the urgent need of this work it is recommended that the project be advanced to begin in 1992 with completion in March of 1993.

Funds will be reallocated within the 1992 Capital Budget for Parks in order that this project can go ahead in 1992 and remain within the Capital Budget Spending Limit.

In order to allow the project to proceed on the above schedule it is recommended that the irrigation design and specifications work (\$26,000) be drawn from capital contingency. When the design and specifications are complete a further report will be submitted detailing costs and recommending a bylaw be brought down to finance the entire project from capital reserves.

Advancing this project to 1992 will not result in an increase in capital spending.

The Director Finance concurs with this method of funding.

JUSTIFICATION:

The existing irrigation system is worn out and therefore staff are unable to adequately water the tees, fairways and greens which is necessary to maintain the quality that the golfers require. Because of continuous leaks and breaks in the system, significant quantities of water are being wasted. A new automatic system would make efficient use of the water and ensure the course quality is maintained and golf revenues are maintained or increased.

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cc: Director Finance

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