

FORM C: ECONOMIC ANALYSIS

(See B11)

SWCC Richmond Community Centre Spray Pad

When the spray pad is operating, the expected flow rate will be limited to _____ US GPM, which would result in the daily usage of _____ cubic Meters/day.

Item	Formula	Label	Calculation
Water Management Option			Flow Through
Spray Basin Area incl. overspray area (sq. m)			532 sq.m.
Total Play Feature Flow Rate (US GPM)		(A)	
Sequencing Factor		(B)	
Design Flow Rate (US GPM)	(A) x (B)	(C)	
Design Flow per Hour (US GPH)(assume 50 min per hour operating)	(C) x 50	(D)	
Design Flow per Day (US GPD)(assume 6 hrs. operating per day)	(D) x 6	(E)	
Operational Days/Year		(F)	60
Water Usage per Season (cu.m.)(1 cu.m. = 0.00379 US Gal.)	(E) x (F) x 0.00379	(G)	
Water and Sewer Cost per Season (assume combined rate of \$4.86 per cu. m.)	(G) x 4.86	(H)	\$
Operating Staff (monitoring), incidentals		(I)	\$4,800.00
Total Annual Operating Cost	(H) + (I)	(J)	\$

Name of Proponent