



ADMINISTRATIVE REPORT

Report Date: July 21, 2015
Contact: Brian Crowe
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RTS No.: 11062
VanRIMS No.: 08-2000-20
Meeting Date: July 22, 2015

TO: Standing Committee on Planning, Transportation and Environment
FROM: General Manager of Engineering Services and Director of Legal Services
SUBJECT: By-law Amendments to Support Water Shortage Response

RECOMMENDATION

- A. THAT Council approve amendments to Ticket Offences By-law No. 9360 to authorize the City Engineer to issue municipal tickets for Stage 3 and Stage 4 watering offences under the Water Shortage Response By-law No. 8912, including municipal tickets for non-compliance with the various watering restrictions that are detailed in Appendix A, in order to support enforcement and encourage compliance.
- B. THAT the Director of Legal Services be instructed to bring forward the necessary amendments to Ticket Offences By-law No. 9360, generally in accordance with Appendix B.

REPORT SUMMARY

In response to Metro Vancouver's activation of Stage 3 water restrictions, an amendment to the Ticket Offences By-law is required to support enforcement efforts to allow the City to manage water demand and preserve drinking water resources.

COUNCIL AUTHORITY/PREVIOUS DECISIONS

There is no applicable Council Authority or previous decisions relevant to this report.

REPORT

Background/Context

A mild winter, dry spring, and unseasonably warm summer has resulted in high water demand across Metro Vancouver and storage reservoir levels that are depleting much earlier and faster than normal.

To protect our potable water resources, Metro Vancouver adopted a regional Water Shortage Response Plan to encourage efficient water use when the availability of supply is strained.

In addition to increasing awareness of the water restrictions and promoting water conservation programs, the City uses enforcement through ticketing as a tool to encourage compliance and reduce water demand. The inclusion of individual by-law clauses into the Ticket Offences By-law is required to make by-law violations a ticketable offence.

Strategic Analysis

For the first time since the City has had the ability to enforce the Water Shortage Response By-law through ticketing, Metro Vancouver has activated Stage 3 water restrictions.

An amendment to the Ticket Offences By-law is required to expand the breadth of ticketable violations, beyond lawn sprinkling, to include the water uses for the four escalating Stages of water restrictions, as detailed in the regional Water Shortage Response Plan. The "GVWD Water Shortage Response Plan - At a glance" summary of restrictions is included as Appendix A.

Since 2012, the City has launched a suite of water conservation programs to reduce water demand and preserve our drinking water resources to reach its goal of reducing total per capita water consumption by 33% from 2006 levels by 2020. Enforcement through ticketing is one of the key tools that is used encourage compliance to water restrictions and curb demand, particularly given the current supply situation.

To date, communications regarding the escalating water restrictions have been achieved through advertisements in local publications, social media, radio, news releases, website updates and media events. 3-1-1 and VanConnect have also been used to inform residents and promote water conservation messaging to the public.

The by-law revisions generally as detailed in Appendix B include the restrictions described in the Water Shortage Response By-law as ticketable offences in support of the City's efforts to encourage compliance with the regional restrictions to preserve our drinking water resources.

Implications/Related Issues/Risk

Financial




There are no financial implications.

CONCLUSION
























In addition to increasing awareness of the water restrictions and promoting water conservation programs, the City uses enforcement through ticketing as a tool to encourage compliance and reduce water demand. The amendment to include Water Shortage Response By-law clauses into the Ticket Offences By-law is necessary to support enforcement efforts.

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GWWD Water Shortage Response Plan - *At a Glance*






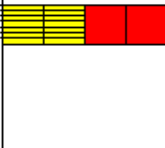
 : ACCEPTABLE  : RESTRICTED  : PROHIBITED

NOTE: These restrictions apply only to the use of treated drinking water. The WSRP restrictions do not apply to the use of rain water, gray water, or any forms of recycled water.

ACTIVITY	WSRP STAGES				RESTRICTION DETAILS
	1	2	3	4	
Residential lawn sprinkling					STAGE 1: June 1-Sept 30, even-numbered addresses: Mon, Wed & Sat mornings 4-9 am, odd-numbered addresses Tues, Thurs & Sun mornings, 4-9 am STAGE 2: Even-numbered addresses Mon morning only 4-9 am, odd-numbered addresses Thurs morning only, 4-9 am STAGES 3-4: All forms of watering using treated drinking water are prohibited.
Non-Residential lawn sprinkling					STAGE 1: June 1-Sept 30, even-numbered addresses: Mon & Wed mornings 1-6 am, odd-numbered addresses Tues & Thurs mornings, 1-6 am, all non-residential addresses Fri morning 4-9 am STAGE 2: Even-numbered addresses Wed morning only 1-6 am, odd-numbered addresses Tues morning only, 1-6 am STAGES 3-4: All forms of watering using treated drinking water are prohibited.
New (unestablished) residential & commercial lawns, trees, shrubs & flowers					STAGES 1-2: Sprinkling outside restricted times allowed only at the discretion of each municipality & with special permits to be displayed on lawn. STAGES 3-4: No new permits issued or renewed. All forms of watering using treated drinking water are prohibited.
Flowers & vegetable gardens, decorative planters, shrubs & trees					STAGE 3: Only if done by hand using a spring-loaded shut-off nozzle, or using containers or drip irrigation. Use of sprinklers or soaker hoses is prohibited. STAGE 4: All forms of watering using treated drinking water are prohibited.
Commercial flowers & vegetable gardens					STAGE 4: All forms of watering using treated drinking water are prohibited.
Private pools, spas & garden ponds					STAGE 3: Refilling is prohibited. STAGE 4: Refilling is prohibited.
Public water play parks & pools					STAGES 2-3: Unless otherwise authorized by municipality, only water play parks with user-activated switches will be operated. STAGE 4: All water parks shut down. Municipal outdoor pools closed. Winterization deferred until Stage 4 is lifted by GWWD.
Public & commercial fountains & water features					STAGES 2-4: All shut down.
Private & commercial outdoor impermeable surface washing (i.e., driveways, sidewalks & parkades)					STAGES 2-3: Only for health & safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited. STAGE 4: All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector, etc...).
Private & commercial pressure washing					STAGES 2-3: Only for health & safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited. Private pressure washing prohibited in Stage 3. STAGE 4: All forms of hosing of outdoor surfaces are prohibited unless ordered by a regulatory authority for health & safety reasons (i.e., WCB, public health inspector, etc...).
Outdoor car washing & boat washing					STAGES 1-2: Only with hose equipped with spring-loaded shut off. STAGES 3-4: No outdoor washing or rinsing of vehicles & pleasure crafts, except for safety (windows, lights & licenses only)

(con't other side)

GVWD Water Shortage Response Plan - *At a Glance (con't)*

Commercial car washes		STAGE 4: Commercial car washes shut down.
Golf courses		STAGE 1: Municipalities request golf course operators cut water use on fairways by as much as possible. STAGE 2: Water greens & tee areas normally; fairways only once weekly. Signage indicating the use of non-GVWD water is encouraged. STAGE 3: Water greens & tee areas minimally; fairways may not be watered. STAGE 4: All forms of watering using treated drinking water are prohibited.
Commercial turf farms		STAGE 4: All forms of watering using treated drinking water are prohibited.
Artificial turf & outdoor tracks (i.e., bicycle & motorcycle tracks, running tracks)		STAGES 1-3: Hosing for health & safety only. STAGE 4: All forms of watering using treated drinking water are prohibited.
School yards, sports & sand-based playing fields		STAGES 2-3: Minimum levels required to maintain areas in useable condition. STAGE 4: All forms of watering using treated drinking water are prohibited.
Cemetery lawns		STAGE 1: June 1-Sept 30, even-numbered addresses Mon & Wed mornings 1 - 6 am, odd-numbered addresses Tues & Thurs mornings 1-6 am, all non-residential addresses Fri morning 4-9 am STAGE 2: Even-numbered addresses Wed morning only 1-6 am, odd-numbered addresses Tues morning only, 1-6 am STAGES 3-4: All forms of watering using treated drinking water are prohibited.

Contact Information

For information regarding enforcement of the WSRP, please contact your municipality.

For general WSRP information, please contact the Metro Vancouver Information Centre at 604-432-6200.

For copies of media releases issued during the WSRP implementation, please go to

www.metrovancouver.org

BY-LAW NO. _____

**A By-law to amend Ticket Offences By-law No. 9360
regarding certain offences pursuant to the Water Shortage Response By-law**

The Council of the City of Vancouver, in public meeting, enacts as follows:

1. This By-law amends the indicated provisions and schedules of By-law No. 9360.
2. Council strikes out Table 6 and substitutes:

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**Table 6
Water Shortage Response By-law**

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
City Engineer	Water residential lawn outside permitted hours Stage 1	Section 5.1(a)	\$250.00
	Water non-residential lawn outside permitted hours Stage 1	Section 5.1(b)	\$250.00
	Water residential lawn outside permitted hours Stage 2	Section 5.3(a)	\$250.00
	Water non-residential lawn outside permitted hours Stage 2	Section 5.3(b)	\$250.00
	Water lawn Stage 3	Section 5.5(a)(i)	\$250.00
	Water garden, plants, shrubs or trees Stage 3	Section 5.5(a)(ii)	\$250.00
	Wash boat or motor vehicle Stage 3	Section 5.5(b)	\$250.00
	Wash outdoor surface Stage 3	Section 5.5(c)	\$250.00
	Operate ornamental fountain Stage 3	Section 5.5(d)	\$250.00
	Fill pond, fountain, hot tub or pool Stage 3	Section 5.5(e)	\$250.00

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
	Use hose without automatic shutoff Stage 3	Section 5.5(f)	\$250.00
	Water lawn or landscaping Stage 4	Section 5.7(a)(i)	\$250.00
	Water garden Stage 4	Section 5.7(a)(ii)	\$250.00
	Water planters Stage 4	Section 5.7(a)(iii)	\$250.00
	Water shrubs or trees Stage 4	Section 5.7(a)(iv)	\$250.00
	Water artificial turf Stage 4	Section 5.7(a)(v)	\$250.00
	Water outdoor track Stage 4	Section 5.7(a)(vi)	\$250.00
	Water golf course Stage 4	Section 5.7(a)(vii)	\$250.00
	Water turf farm Stage 4	Section 5.7(a)(viii)	\$250.00
	Water sports playing field Stage 4	Section 5.7(a)(ix)	\$250.00
	Water school yard Stage 4	Section 5.7(a)(x)	\$250.00
	Wash boat or motor vehicle Stage 4	Section 5.7(b)	\$250.00
	Operate lawn sprinkler using water for play Stage 4	Section 5.7(c)	\$250.00
	Use hose to wash outdoor surface Stage 4	Section 5.7(d)	\$250.00
	Operate ornamental fountain	Section 5.7(e)	\$250.00

<u>Column 1</u>	<u>Column 2</u>	<u>Column 3</u>	<u>Column 4</u>
	Stage 4		
	Operate water play park or slide Stage 4	Section 5.7(f)	\$250.00
	Fill pond, fountain, hot tub or pool Stage 4	Section 5.7(g)	\$250.00
	Use hose without automatic shutoff Stage 4	Section 5.7(h)	\$250.00
	Operate car wash Stage 4	Section 5.7(i)	\$250.00

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3. A decision by any court that any part of this by-law is illegal, void, or unenforceable severs that part from this by-law, and is not to effect the balance of this by-law.

4. This By-law is to come into force and take effect on the date of enactment.

ENACTED by Council this day of , 2015

Mayor

City Clerk