



Kelowna Coordinated Drought Plan (2016)

		NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4
Residential Water Use Restrictions*		DESCRIPTION: Represents normal (i.e., average) conditions for local area. Water use restrictions focus on water use efficiencies and drought awareness.	DESCRIPTION: Primary objective of this stages is to inform the public of the potential for more severe drought to occur. If triggered by drought, represents early drought (drier than average) conditions for local area. Intent is to call this stage earlier in a cycle so that the potential to move to more severe stages is reduced.	DESCRIPTION: Represents low water supply conditions for local area or prolonged, moderate, drought conditions are established. Water use restrictions are necessary to sufficiently reduce water demand to allow for sustainable supply and to meet environmental requirements.	DESCRIPTION: Represents very low water supply conditions or severe drought conditions for local area. Water use restrictions are necessary to maintain supplies during a period of critical water shortage.	DESCRIPTION: Strict water use restrictions are necessary to maintain critical supply. No spare water is available. Represents an emergency loss of supply during which water is spared for consumptive and sanitary purposes only. Fire protection may be compromised.
Goal:		Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*		RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
A	Lawn and Aesthetic Garden Watering - Manual Sprinklers Odd Address Schedule Even Address Schedule	Watering allowed between 6am - 10am and 7pm - 12am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 6am - 10am and 7pm - 12am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 6am - 10am and 7pm - 12am up to 2 days per week. Tuesday & Saturday Wednesday & Sunday	Watering allowed between 6am - 10am and 7pm - 12am one (1) per week. Saturday Sunday	Use of supplied water for all forms of aesthetic lawn and garden watering is prohibited.
B	Lawn and Aesthetic Garden Watering - Automatic Timer Sprinkler Systems Odd Address Schedule Even Address Schedule	Watering allowed between 12am - 6am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 12am - 6am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 12am - 6am up to 2 days per week. Tuesday & Saturday Wednesday & Sunday	Watering allowed between 12am - 6am one (1) day per week. Saturday Sunday	
C	Lawn and Aesthetic Garden Watering - Handheld Sprinkling (spring-loaded nozzle on hose or watering can); Engineered Drip Irrigation	Anytime.	Follow Stage 1 Lawn and Aesthetic Garden Watering - Manual Sprinklers (Line A)	Follow Stage 1 Lawn and Aesthetic Garden Watering - Manual Sprinklers (Line A)	Follow Stage 2 Lawn and Aesthetic Garden Watering - Manual Sprinklers (Line A)	
D	New (non-established) Lawns and Landscaping Sprinkling	Follow supplier recommended watering schedule. After installation (2 weeks for Sod or 6 weeks for Seeded Lawns) resume watering as per Lawn & Aesthetic Garden Watering restrictions for your irrigation system (Lines A-C).	City of Kelowna sprinkling permit required. Follow supplier recommended watering schedule. Recommended that seeding start no later than May 31 or after Sept. 1. After installation (2 weeks for Sod or 6 weeks for Seeded Lawns) resume watering as per Stage 1 Lawn & Aesthetic Garden Watering restrictions for your irrigation system (Lines A-C).	City of Kelowna sprinkling permit required. Sod requires 2 week permit to be displayed on lawn. Seeding must start before April 30 or after Sept. 1 and requires a 6 week permit to be displayed on lawn. After permit period, resume watering as per Stage 2 Lawn & Aesthetic Garden Sprinkling restrictions for your irrigation system (Lines A-C).	No new permits issued for seeded lawns. Placement of sod may take place with sprinkling permit not to exceed 2 week period. After permit period, resume watering as per Stage 3 Lawn & Aesthetic Garden Sprinkling restrictions for your irrigation system (Lines A-C).	No new permits issued or renewed. Use of water for this purpose prohibited.
E	Food Gardens and Fruit Trees/Shrubs	Follow Lawn and Aesthetic Garden Watering restrictions, as noted above (Lines A-C), for the irrigation system in use.	Follow Stage 1Lawn and Aesthetic Garden Watering restrictions (Lines A-C above) for the irrigation system in use.	Follow Stage 1Lawn and Aesthetic Garden Watering restrictions (Lines A-C above) for the irrigation system in use.	Watering allowed Tuesdays & Fridays between 6am - 10am and 7pm to 12am, as required to maintain plant health.	Use of water for this purpose prohibited.
F	Garden Ponds, Aesthetic Fountains, and Water Features	Filling and refilling is permitted on days and times specified for Lawn & Aesthetic Garden Watering-Manual Sprinkling (Line A).	Filling and refilling is permitted on days and times specified for Stage 1 Lawn & Aesthetic Garden Watering-Manual Sprinkling (Line A).	Filling and refilling is permitted on days and times specified for Stage 2 Lawn & Aesthetic Garden Watering-Manual Sprinkling (Line A).	Filling and refilling with water supplied by City of Kelowna is prohibited.	Use of water for this purpose prohibited.



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Goal:		Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*		RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
G	Pools	Filling and refilling is permitted anytime.	Filling and refilling is permitted anytime.	Filling and refilling is permitted prior to June 15. Topping up only between June 15 and August 31.	Topping up allowed once per week on Wednesday. Filling and refilling are prohibited.	Use of water for this purpose prohibited.
H	Cleaning Outdoor Surfaces (driveways, sidewalks, decks, artificial turf, patios)	Use a broom, device or hose with a spring-loaded nozzle, or mop and bucket.	Use a broom, device or hose with a spring-loaded nozzle, or mop and bucket.	Washing with spring-loaded nozzle for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is prohibited.	Washing with spring-loaded nozzle for health and safety reasons only. Washing for aesthetic purposes is prohibited.	All forms of cleaning of outdoor surfaces with water are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector, etc.).
I	Vehicle (boat/ automobile/ATV/ etc.) Washing	Use a bucket with cloth or sponge with a spring-loaded nozzle, or visit a water wise commercial car wash.	Use a bucket with cloth or sponge with a spring-loaded nozzle, or visit a water wise commercial car wash.	Use a bucket with cloth or sponge with a spring loaded nozzle, or visit a water wise commercial car wash.	No washing or rinsing except for safety purposes (windows, lights, licenses).	No washing or rinsing with water except for safety purposes (windows, lights, licenses).

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		NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4
Commercial Water Use Restrictions**		DESCRIPTION: Represents normal (i.e., average) conditions for local area. Water use restrictions focus on water use efficiencies and drought awareness.	DESCRIPTION: Primary objective of this stages is to inform the public of the potential for more severe drought to occur. If triggered by drought, represents early drought (drier than average) conditions for local area. Intent is to call this stage earlier in a cycle so that the potential to move to more severe stages is reduced.	DESCRIPTION: Represents low water supply conditions for local area or prolonged, moderate, drought conditions are established. Water use restrictions are necessary to sufficiently reduce water demand to allow for sustainable supply and to meet environmental requirements.	DESCRIPTION: Represents very low water supply conditions or severe drought conditions for local area. Water use restrictions are necessary to maintain supplies during a period of critical water shortage.	DESCRIPTION: Strict water use restrictions are necessary to maintain critical supply. No spare water is available. Represents an emergency loss of supply during which water is spared for consumptive and sanitary purposes only. Fire protection may be compromised.
Goal:		Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
A	Lawn, Aesthetic Garden, and Plants for sale - Manual Sprinkling Odd Address Schedule Even Address Schedule	Watering allowed between 6am - 10am and 7pm - 12am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 6am - 10am and 7pm - 12am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 6am - 10am and 7pm - 12am up to 2 days per week. Tuesday & Saturday Wednesday & Sunday	Watering allowed between 6am - 10am and 7pm - 12am one (1) per week. Saturday Sunday	Use of supplied water for all forms of aesthetic lawn and garden watering is prohibited.
B	Lawn, Aesthetic Garden, and Plants for sale - Automatic Timer Sprinkler Systems Odd Address Schedule Even Address Schedule	Watering allowed between 12am - 6am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 12am - 6am up to 3 days per week. Tuesday, Thursday, Saturday Wednesday, Friday, Sunday	Watering allowed between 12am - 6am up to 2 days per week. Tuesday & Saturday Wednesday & Sunday	Watering allowed between 12am - 6am one (1) day per week. Saturday Sunday	
C	Lawn, Aesthetic Garden, and Plants for sale - Handheld Sprinkling (spring-loaded nozzle on hose or watering can); Engineering Drip Irrigation Systems	Anytime	Anytime	Hand watering of potted plants can be done any day between 6am-10am & 5pm-12am. In-ground plant watering is allowed up to 3 days per week as per Stage 1 Manual Sprinkling restrictions (Line A).	Hand watering of potted plants is allowed on Tuesday, Thursday, & Sunday between 6am-10am & 7pm-12am. In-ground plant watering is allowed up to 2 days per week as per Stage 2 Manual Sprinkling restrictions (Line A).	
D	New (non-established) Lawns and Landscaping Sprinkling	Follow supplier recommended watering schedule. After installation (2 weeks for Sod or 6 weeks for Seeded Lawns) resume watering as per Lawn & Aesthetic Garden Watering restrictions for your irrigation system (Lines A-C).	City of Kelowna sprinkling permit required. Follow supplier recommended watering schedule. Recommended that seeding start no later than May 31 or after Sept. 1. After installation (2 weeks for Sod or 6 weeks for Seeded Lawns) resume watering as per Stage 1 Lawn & Aesthetic Garden Watering restrictions for your irrigation system (Lines A-C).	City of Kelowna sprinkling permit required. Sod requires 2 week permit to be displayed on lawn. Seeding must start before April 30 or after Sept. 1 and requires a 6 week permit to be displayed on lawn. After permit period, resume watering as per Stage 2 Lawn & Aesthetic Garden Sprinkling restrictions for your irrigation system (Lines A-C).	No new permits issued for seeded lawns. Placement of sod may take place with sprinkling permit not to exceed 2 week period. After permit period, resume watering as per Stage 3 Lawn & Aesthetic Garden Sprinkling restrictions for your irrigation system (Lines A-D).	No new permits issued or renewed. Use of water for this purpose prohibited.
E	Garden Ponds, Aesthetic Fountains, and Water Features	Filling and refilling is permitted on days and times specified for Lawn & Aesthetic Garden Watering- Manual Sprinkling (Line A).	Filling and refilling is permitted on days and times specified for Stage 1 Lawn & Aesthetic Garden Watering-Manual Sprinkling (Line A).	Filling and refilling is permitted on days and times specified for Stage 2 Lawn & Aesthetic Garden Watering-Manual Sprinkling (Line A).	Filling and refilling with water is prohibited.	Use of water for this purpose prohibited.
F	Pools	Filling and refilling is permitted anytime.	Filling and refilling is permitted anytime.	Filling and refilling is permitted prior to June 15. Topping up only between June 15 and August 31.	Topping up allowed once per week on Wednesday. Filling and refilling are prohibited.	Use of water for this purpose prohibited
G	Cleaning Outdoor Surfaces (driveways, sidewalks, decks,	Use a broom, device or hose with a spring-loaded nozzle, or mop and bucket.	Use a broom, device or hose with a spring-loaded nozzle, or mop and bucket.	Washing with spring-loaded nozzle for health and safety purposes or to prepare a surface for painting or similar treatment. Washing for aesthetic purposes is	Washing with spring-loaded nozzle for health and safety reasons only. Washing for aesthetic purposes is prohibited.	All forms of cleaning of outdoor surfaces water are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector,



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Goal:		Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*		RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
	artificial turf, patios)			prohibited.		etc.).
H	Vehicle (boat/ automobile/ATV/ etc.) Washing	Use a commercial car wash or hose equipped with spring-loaded nozzle.	Use a commercial car wash or hose equipped with spring-loaded nozzle. Conveyorized/automatic car wash facilities should strive to be water wise as per industry standards.	Car washes using recycled water systems may continue to operate with no restrictions. Conveyorized/automatic car wash facilities should strive to be water wise as per industry standards- shorten wash times. Wand wash or washing with spring-loaded nozzle is permitted.	Spring-loaded nozzle or wand wash permitted for health and safety purposes only. Car washes using recycled water systems may continue to operate if wash times are shortened.	No washing or rinsing of vehicles and pleasure crafts, except spot cleaning with sponge and bucket for health and safety reasons (windows, lights, license plates).
I	Golf Courses	Irrigation should only occur between 7pm-10am.	Limit irrigation of Fairways to 5 times per week and avoid irrigation between 10am-7pm.	Reduce watering of greens and tees. Fairway watering limited to three days per week between 7 pm and 10 am.	No watering permitted for fairways. Minimal watering only for tees and greens.	All forms of watering are prohibited.
J	Artificial turf and outdoor tracks (i.e. Bicycle, motorcycle, and running tracks)	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	All forms of cleaning of outdoor surfaces with are prohibited unless ordered by a regulatory authority (i.e. WCB, public health inspector, etc.).

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		NORMAL	STAGE 1	STAGE 2	STAGE 3	STAGE 4
Public Institutional Water Use Restrictions*		DESCRIPTION: Represents normal (i.e., average) conditions for local area. Water use restrictions focus on water use efficiencies and drought awareness.	DESCRIPTION: Primary objective of this stages is to inform the public of the potential for more severe drought to occur. If triggered by drought, represents early drought (drier than average) conditions for local area. Intent is to call this stage earlier in a cycle so that the potential to move to more severe stages is reduced.	DESCRIPTION: Represents low water supply conditions for local area or prolonged, moderate, drought conditions are established. Water use restrictions are necessary to sufficiently reduce water demand to allow for sustainable supply and to meet environmental requirements.	DESCRIPTION: Represents very low water supply conditions or severe drought conditions for local area. Water use restrictions are necessary to maintain supplies during a period of critical water shortage.	DESCRIPTION: Strict water use restrictions are necessary to maintain critical supply. No spare water is available. Represents an emergency loss of supply during which water is spared for consumptive and sanitary purposes only. Fire protection may be compromised.
Goal:		Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*		RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
A	Municipal parks, sport fields, grassed boulevards, Cemeteries, school yards.	Sufficient and efficient water use to maintain healthy public space appropriate to its use in consultation with the water provider. Where practical irrigation should only occur between 7pm-10am	10% overall volume reduction consistent with an approved drought response plan.	20% overall volume reduction consistent with an approved drought response plan.	30% overall volume reduction consistent with an approved drought response plan.	All forms of irrigation are prohibited.
B	Maintenance, ground under repair and testing	Anytime	Anytime	Avoid irrigation between 10 am - 7 pm. Reduce maintenance to priority space	Avoid irrigation between 10 am - 7 pm. Reduce maintenance to priority space	No ground repair or testing.
C	Municipal Water Main Flushing and Hydrant Maintenance	No restrictions.	No restrictions.	Only for unscheduled safety or public health reasons. No routine flushing.	Only for unscheduled safety or public health reasons. No routine flushing.	Only for unscheduled safety or public health reason. No routine flushing.
D	Artificial Turf	Use spring loaded nozzle. No restrictions on fields with user activated switches.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle. No restrictions on fields with user activated switches.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	Cleaning, with a hose or sprinkler, permitted for health and safety only. Use spring-loaded nozzle.	All forms of cleaning of outdoor surfaces with City of Kelowna water are prohibited unless ordered by a regulatory authority (i.e., WCB, public health inspector, etc.).

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Agricultural Water Use Restrictions	DESCRIPTION: Represents normal (i.e., average) conditions for local area. Water use restrictions focus on water use efficiencies and drought awareness.	DESCRIPTION: Primary objective of this stages is to inform the public of the potential for more severe drought to occur. If triggered by drought, represents early drought (drier than average) conditions for local area. Intent is to call this stage earlier in a cycle so that the potential to move to more severe stages is reduced.	DESCRIPTION: Represents low water supply conditions for local area or prolonged, moderate, drought conditions are established. Water use restrictions are necessary to sufficiently reduce water demand to allow for sustainable supply and to meet environmental requirements.	DESCRIPTION: Represents very low water supply conditions or severe drought conditions for local area. Water use restrictions are necessary to maintain supplies during a period of critical water shortage.	DESCRIPTION: Strict water use restrictions are necessary to maintain critical supply. No spare water is available. Represents an emergency loss of supply during which water is spared for consumptive and sanitary purposes only
Goal:	Efficient on-going Water Use practices	10% Reduction in Total and Peak Use	20% Reduction in Total and Peak Use	35% Reduction in Total and Peak Use	Maintain Health of Community
ACTIVITY*	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS	RESTRICTION DETAILS
Crop Irrigation**	Maximum water use permitted per water allotment for season.	A 10% reduction of normal annual allotment. Increased monitoring of allocation compliance and communication to encourage users to take voluntary conservation measures.	A 20% reduction in total annual water allotment.	A 35% reduction in total annual water allotment.	Mandatory water restrictions. Outdoor water use prohibited except water for livestock and minimal maintenance of perennial fruit trees.

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TRIGGERS	PRIMARY INDICATOR	SECONDARY INDICATOR
BMID	BMID Drought Stage Trigger Graph - Mission Creek Water Use plan Table 5.1	Regional Drought Level and level of drought stage in adjacent utilities
City of Kelowna	As determined by the City of Kelowna	No secondary indicators
GEID	(April - June) Snowpack and watershed hydrology (June - October) Reservoir Storage Levels	Regional Drought Level and level of drought stage in adjacent utilities
RWD	Static water levels in groundwater wells	Regional Drought Level and level of drought stage in adjacent utilities
SEKID	SEKID Drought Stage Trigger Graph - Mission Creek Water Use plan Table 5.2	Regional Drought Level and level of drought stage in adjacent utilities