

# **DROUGHT MANAGEMENT PLAN TEMPLATE**

**EXECUTIVE SUMMARY**  
**ACKNOWLEDGEMENTS**  
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## **INTRODUCTION AND OBJECTIVES**

*This section introduces the water supplier and provides context for the drought plan. Sub-sections may include:*

- Background
- Historical, Current, and Potential Drought Impacts
- Drought Plan Purpose and Objectives
- Components of the Drought Plan

## **WATER SUPPLY AND DEMAND PROFILE**

*This section includes a detailed overview of the water supplier's current and future supply and demand (based on the water supply and demand analysis completed by the water supplier). Sub-sections may include:*

- Current and Future Water Supply
- Current and Future Water Demand (by customer sector, where possible)
- Potential Emergency Water Supply
- Most Vulnerable Sectors
- Highest Water Users

## **FACTORS INFLUENCING THE POTENTIAL FOR DROUGHT**

*This section provides a description of the hydrological nature of the water supplier with respect to its vulnerability to drought. Sub-sections may include:*

- Winter Snowpack
- Spring Rains
- Summer Climate and Fall Reservoir Levels
- Watershed Factors
- Global Climate Trends
- Forecasted Impact of Climate Change on Okanagan Valley

## **DROUGHT FORECAST APPROACH**

*This section characterizes a drought forecast approach as a means of predicting future water supply conditions. By recognizing the potential for future drought, the drought response measures may be implemented to reduce the incidence and/or potential impact of water shortages. Sub-sections may include:*

- Forecast Parameters
- Storage Levels
- Snowpack Conditions
- Temperature and Precipitation
- River Forecast Centre Bulletins
- Provincial Drought Declarations
- Customer Demand Levels
- Decision-making Approach (include flow chart, checklist, and/or decision tree)

## **DROUGHT STAGES**

*This section describes the conditions under which the drought response plan is implemented. It should include a summary table/matrix that describes the supply status and trigger factors, goals, drought response, and communication and enforcement for each stage. Sub-sections may include:*

- Normal (No Drought, Average, or Wet Years)
- Stage 1 – Dry (Mild Drought)
- Stage 2 – Very Dry (Moderate Drought)
- Stage 3 – Extremely Dry (Severe Drought)
- Stage 4 – Emergency
- Loss of Community Supplies

## **DROUGHT PLAN IMPLEMENTATION (DROUGHT RESPONSE PLAN)**

*This section outlines the staged approach to water management and defines the roles of the water supplier and the water users/customers during drought. Sub-sections may include:*

- Drought Response Team (include information on the team in Appendix A)
- Communications (include communications plan in Appendix B)
- Monitoring
- Operational Measures
- Demand-side Measures (include copy of water use bylaw and water conservation plan in appendices C and D)

## **DROUGHT PLAN UPDATES**

*This section describes when, why, and by whom the drought plan should be reviewed and updated.*

## **RECOMMENDATIONS**

*This section includes any recommendations that come up while preparing the drought plan.*

## **REFERENCES**

- APPENDIX A – DROUGHT RESPONSE TEAM**
- APPENDIX B – COMMUNICATIONS PLAN**
- APPENDIX C – WATER USE BYLAW (RESTRICTIONS)**
- APPENDIX D – WATER CONSERVATION PLAN**