2015 Weather Analysis for Climate Controlled Irrigation - Canadian Urban Landscapes

exact ET
2 BILLION LITRES OF WATER SAVED

	Vancouver	Calgary	Edmonton	Toronto	Ottawa	Montreal
Key Weather Stats (May-Oct*):						
Mean Temperature (Celsius)	15.1	13.3	13.9	17.7	13.1	17.3
Total Rainfall (mm)	309.8	341.4	201.3	438.6	446.4	645.6
Key ET Irrigation Stats (May-Oct*):						
Moisture Loss - ET (mm)	497.8	629.9	525.8	619.8	528.3	442.0
Moisture Gain - Effective Rain** (mm)	154.9	241.3	172.7	281.9	264.2	276.9
Net Moisture Deficit (mm)	342.9	388.6	353.1	337.9	264.1	165.1
Avg Irrigation Frequencies under Climate Controlled Irrigation	29	33	29	30	22	11

Notes:

Vancouver
- *Rainfall 31.3% below normal*
- *Mean Temps 6.3% above normal*
- *Stage 2 & 3 Water Restrictions implemented in Metro Vancouver during much of season*

Calgary
- *Excluding an unusually wet August (3 major rain events), Rainfall 16.6% below normal*
- *Mean Temps 10.8% above normal*
- *Earlier start to season with mild spring/drought-like conditions*

Edmonton:
- *Rainfall 38.5% below normal*
- *Mean Temps 7.1% above normal*

Toronto:
- *Excluding an unusually wet June (4 major rain events), Rainfall 23.3% below normal*
- *Mean Temps 6.6% above normal*

Ottawa:
- *Rainfall 14.6% below normal*
- *Mean Temps 17.6% below normal*

Montreal:
- *Rainfall 23.2% above normal*
- *Mean Temps 6.8% above normal*

* - Vancouver covers irrigation season April-October

** - Not all rainfall is useful to the plants. Effective Rain factors Maximum Hourly Rainfall Rate and Saturation Allowance