



## 2010 Mid Season ET Performance Report - Calgary

BELOW IS A SAMPLE OF THE CALGARY RESULTS GENERATED BY EXACTET FOR THE FIRST 3 MONTHS OF THE 2010 IRRIGATION SEASON

<u>Property</u>	<u>Irrigation Frequencies</u>		<u>Frequency Savings</u>
	<u>Under ET</u>	<u>Under Prior Timer Based Schedule</u>	
<b><u>Bentall - Industrial</u></b>			
Canals			
Spray Zones (A)	10.5	30	65%
Rotor Zones (B)	8	30	73%
Foothills South	9.5	26	63%
4900 52 Street SE			
Building Side (A)	13	36	64%
South & West Fields (B)	11	36	69%
Rangewinds G	12	36	67%
<b><u>Tonko - Industrial</u></b>			
7139 44 St SE	15	34	56%
7151 44 St SE	17	34	50%
2760 45 Ave SE	10	34	71%
4639 72 Ave SE	13	34	62%
<b><u>Oxford - Office</u></b>			
Canterra Tower			
Sodded Areas (A)	12	33	64%
Raised Shrub Beds (B)	5	33	85%
North Annuals (C)	25	33	24%
South Annuals (D)	23	33	30%

**Oxford - Industrial**

Eastfield - Building A	12	31	61%
Eastfield - Building B	15	31	52%

**First Capital - Retail**

BMO - McLeod Trail South Branch	15	36	58%
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**Gracewood Manor - Residential (Retirement)**

Hamilton Manor	10	29	66%
The Rhubarb Patch	9	29	69%

**Ronmor - Office**

RBC 1	14	34	59%
RBC 2	13	34	62%
RBC 3	14	34	59%

**ATCO Pipelines - Office**

APEC (Edmonton)			
New Bldg - Rotor Zones (A)	4	19	79%
- Sunny Shrup Beds (B)	3	19	84%
- Shaded Shrup Beds (C)	3	19	84%
Old Bldg - North East Landscape	3	19	84%

**Rancho Realty - Condominium**

Inglewood Village			
Top controller	21	51	59%
Bottom controller	20	51	61%

**Loblaws - Retail**

Great Canadian Superstore			
McKenzie Store	17	42	60%
Shawnessy Store	16	42	62%

**Montgomery Ross - Condominium**

Mosaic of Elgin Hill			
Unit 60 controller #1	12	27	56%
Unit 60 Controller #2	11	27	59%
Unit 164 Controller	11	27	59%
Unit 442 Controller	11	27	59%

**Shaw Cable**

Barlow Operations	13	43	69%
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**Calgary Co-operative - Retail**

West Springs COOP			
Sodded Areas West & North (A)	8.5	17	50%
Sodded Areas West & North (B)	8.5	17	50%
Mulch Beds (C)	5	17	71%

**IKEA**

IKEA Deerfoot Meadows			
Sodded Landscape (A)	8.5	16	47%
Shrub Bed/Drip (B)	6	16	63%

**Single Family Residential**

Westman Residence	13	40	68%
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**Average ET Performance for Calgary Clients:**

	16	36	56%
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**Weather Analysis****Comparative Weather Analysis (2010 versus 2009)**

	<u>2010</u>	<u>2009</u>	<u>Variance</u>
ET (Moisture Loss in inches)	13.37	14.88	-10%
Effective Rainfall (inches)	5.01	4.80	4%
Average Temperature (degrees)	11.86	12.74	-7%
Average RH (%)	68.9	64.7	6%
Average Wind Speed (klm)	8.4	8.4	0%
Average Solar Radiation (w/m2)	249.1	210.8	18%

**Comparative ET Irrigation Frequency (2010 versus 2009)**

	<u>2010</u>	<u>2009</u>	<u>Variance</u>
Average Irrigation Frequency (times)	16	20	-20%

**Comments:**

An earlier and drier start to the 2010 irrigation season has been mitigated by a cooler (average temperatures for May-July are 7% below last year) and much cloudier (18% more cover than last year) first three months of the irrigation season. The result is 10% less moisture loss (ET), 2010 over 2009. Added to this is an increase of 4% in the effective rainfall for this year over last. Combined, these two factors have translated into a 20% reduction in the average irrigation frequencies for the first three months of the 2010 irrigation season over the same period last year. If this trend continues we expect our clients will realize even greater water savings this year over last year.

