



**Oct 10, 2018**

**265 Westcourt Place Measurement & Verification Findings**

**Summary Findings**

The following Measurement and Verification (M&V) analysis demonstrate the positive effect the H2minusO Flow Management Device (FMD) has had on the meter reading efficiency at 265 Westcourt Place. We were provided consumption data for 2016, 2017 and 2018 measurement periods. After a detailed analysis of the datasets, the meter reading efficiency showed a significant improvement. The daily consumption decreased by an average of 12.86% with a payback in .95-years, well exceeding the ROI projections of 5% with a payback in 2.45-years.

**Key Project Metrics**

<b>One time project investment: \$7,520</b>
<b>Projected consumption 2018: 15,413 m3</b>
<b>Cost per m3: \$3.98</b>
<b>Install date: Sept 9, 2018</b>

**Pre-Installation**

<b>Projected Savings: \$3,067.19</b>
<b>Projected Savings: 5.00%</b>
<b>Projected ROI (Yrs): 2.45 years</b>

**Post-Installation**

<b>Measured Savings (\$): \$7,888.80</b>
<b>Measured Savings (%): 12.86%</b>
<b>Measured ROI (yrs): 0.95 Years</b>



**M&V Findings**

The FMD was installed on Sept 6, 2018. Table-1 summarizes the consumption results for the FMD post-installation period from Sept-Oct 2018 relative to the same periods in 2016 and 2017 with no FMD. Column-7 shows the average daily water consumed for each period which is based on the actual water bills provided as well as actual water meter readings conducted post-H2minusO installation in 2018. The total consumption (m3) recorded in column-5 for each of the start and end periods (column-3 and column-4), shows a moderate increase from 2016 to 2017 of 3.01%; but a significant decrease of 12.86% after the installation of the FMD (column-8 row-3) after the installation of the H2minusO FMD.

The decrease in consumption, when analyzing the buildings consumption patterns, confirms the improved meter reading efficiency post-installation of the FMD. These measured results confirm the improved meter reading efficiency post-installation of the FMD, showing improved efficiencies of a minimum of 12.86%.

Table 1: M&V Summary Results

#	H2 Reference	Start Period	End Period	Consumption (m3)	# Days in Period	Average Consumption (m3/day)	Change in Consumption (%)
1	Post-Install	2016-09-06	2016-10-05	1,198	29	41.31	0.00%
2	Post-Install	2017-09-06	2017-10-03	1,150	27	42.59	3.01%
3	Post-Install	2018-09-06	2018-10-03	1,019	27	37.74	-12.86%



Graph 1: Total Consumption (m3) – Year-Over-Year (YoY)/Period-Over-Period (PoP)

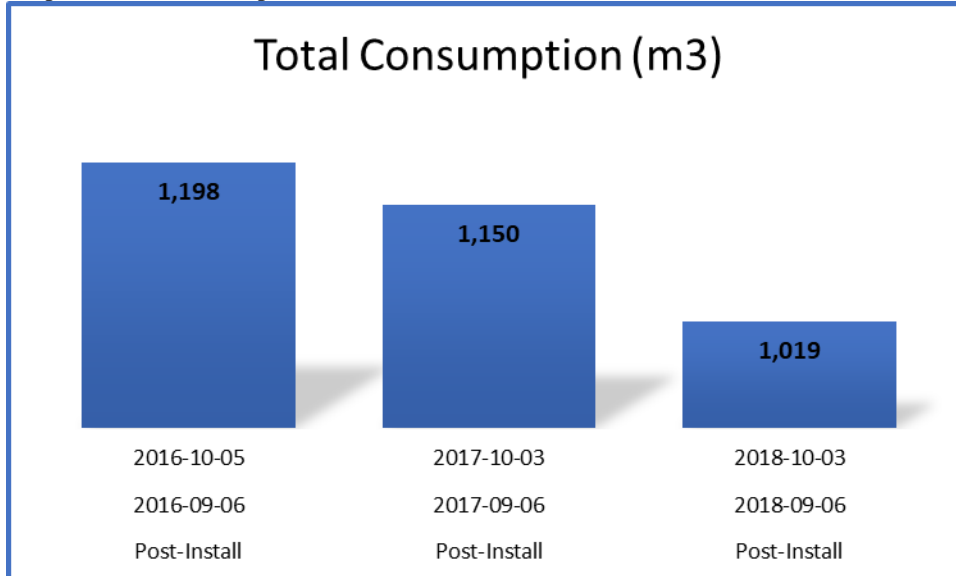
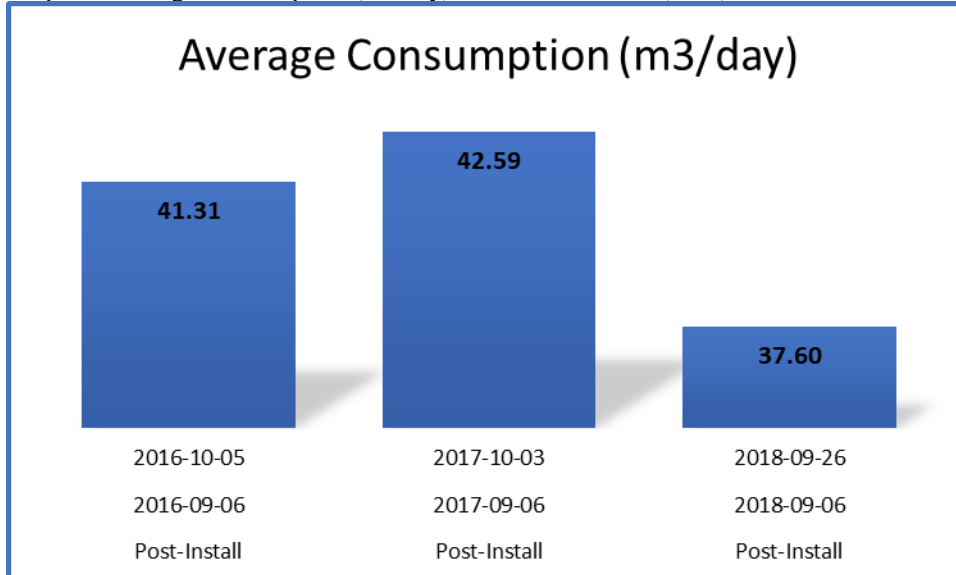


Chart 1 shows the total consumption (m3) for the measurement period based on the start and end date post-H2minusO FMD installation.

Graph 2: Average Consumption (m3/day) – Year-Over-Year (YoY)/Period-Over-Period (PoP)



Graph 2 shows the average daily consumption (m3) for the measurement period based on the start and end date post-H2minusO FMD installation.



Graph 3: Change in Consumption (%)– Year-Over-Year (YoY)/Period-Over-Period (PoP)

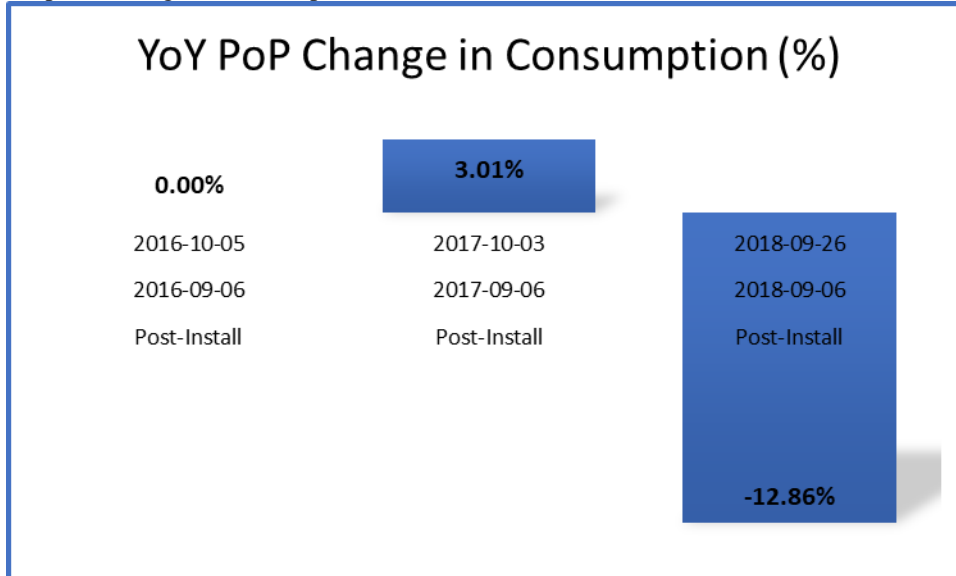


Chart 3 shows the average percentage change in consumption for the measurement period based on the start and end date post-H2minusO FMD installation.