

FOR IMMEDIATE RELEASE

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## GTA MULTI-RESIDENTIAL HOUSING COMPLEX CASE STUDY

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*Mississauga, Ont.* - Faced with spiraling energy costs and the need to reduce its building environmental footprint, Walden Circle, a 215 unit multi-dwelling complex teamed up with Energex Inc. a Vancouver, BC developer of advanced Passive Infra-Red (PIR) sensors for energy management.

The Walden Circle building is a 21-storey high rise containing mostly two and three bedroom apartments equipped with central heating and air-conditioning systems. Energex PIR sensors were installed in each room, monitoring each room's occupancy status. Once the room becomes vacant for over thirty minutes – the temperature is automatically set to 'economy' mode. When the tenants return to their suite, the sensors automatically revert the temperature to occupied mode in which all functions of the heating, cooling and ventilation are restored.

Since the completion of the installation eight months ago, the building has saved over \$34,000 in gas and electricity - almost 37 per cent of its total annual energy budget.

The Energex technology has been installed in over 40,000 rooms within University housing, Multi-Residential properties, Hotels/Resorts, Senior Living Facilities and Commercial buildings.

## ABOUT ENERGEX INC.

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Energex is a BC-based developer and manufacturer of advanced energy, information and security solutions for the hospitality industry.

Since 1992, Energex has been developing advanced energy management occupancy sensors for use in hotels, time share units, assisted care living homes and other residential developments. The Energex system makes it possible for the world to significantly reduce energy waste, via a simple yet effective system that monitors occupancy.

The Energex technology, which is worth two LEED (Leadership in Energy and Environmental Design) points, is deployed in over 14 countries and has been tested and approved by major North American utilities, including BC Hydro.

Contact:

*Energex Inc.*

*Technology Solutions for Intelligent Buildings*

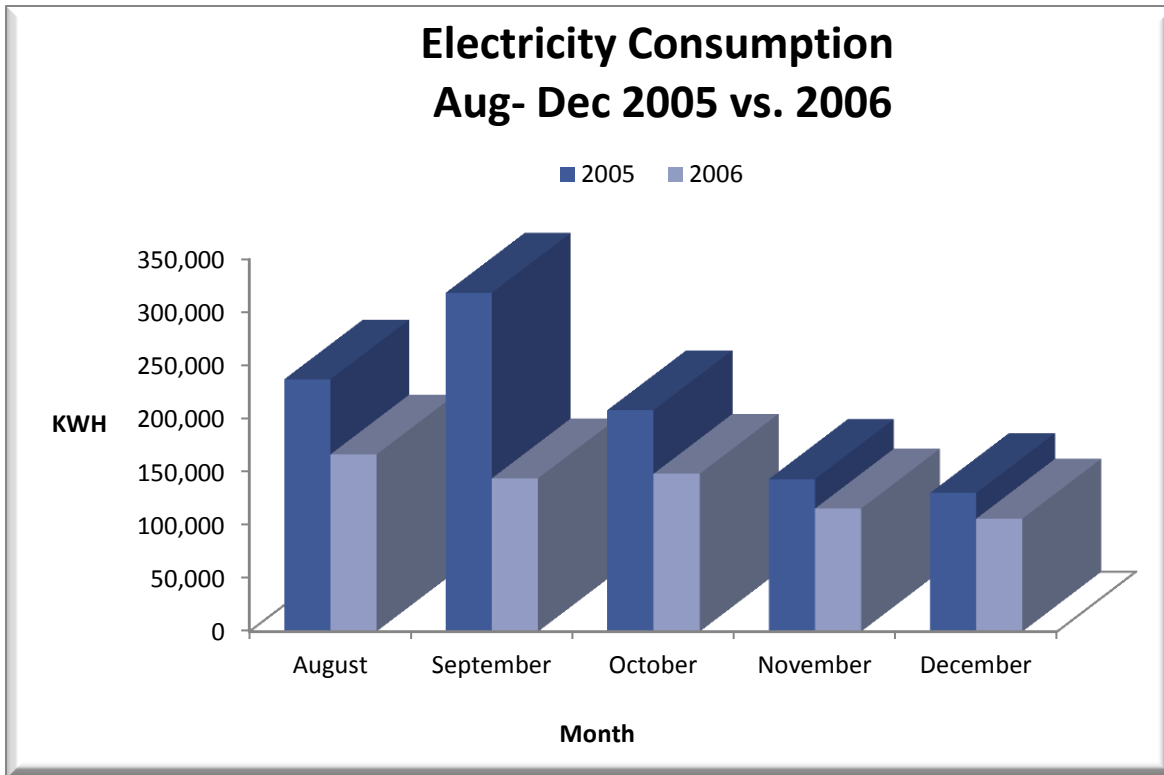
*Phone: 604.417.7223*

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TOTAL BUILDING ELECTRICITY & GAS USAGE  
BEFORE SYSTEM INSTALLATION  
VS.  
AFTER SYSTEM INSTALLATION



## Total Electricity Usage

System Installed on August 2006

|             | January        | February       | March          | April          | May            | June           | July           | August         | September      | October        | November       | December       |
|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| <b>2005</b> | 178,560        | 110,160        | 169,200        | 156,240        | 123,840        | 155,520        | 221,760        | 236,880        | 318,340        | 208,080        | 143,280        | 130,320        |
| <b>2006</b> | 167,760        | 158,400        | 113,760        | 131,760        | 134,640        | 144,000        | 221,760        | <b>166,320</b> | <b>144,000</b> | <b>148,320</b> | <b>115,520</b> | <b>106,160</b> |
| <b>2007</b> | <b>154,742</b> | <b>139,015</b> | <b>135,212</b> | <b>131,456</b> | <b>156,996</b> | <b>132,489</b> | <b>224,602</b> | <b>166,010</b> | <b>166,010</b> | <b>252,395</b> | <b>172,019</b> | <b>77,371</b>  |

## Electricity Usage Comparison

August to December 2005 vs. 2006

|                     | August        | September      | October       | November      | December      |
|---------------------|---------------|----------------|---------------|---------------|---------------|
| <b>2005</b>         | 236,880       | 318,340        | 208,080       | 143,280       | 130,320       |
| <b>2006</b>         | 166,320       | 144,000        | 148,320       | 115,520       | 106,160       |
| <b>Total Saving</b> | <b>70,560</b> | <b>174,340</b> | <b>59,760</b> | <b>27,760</b> | <b>24,160</b> |

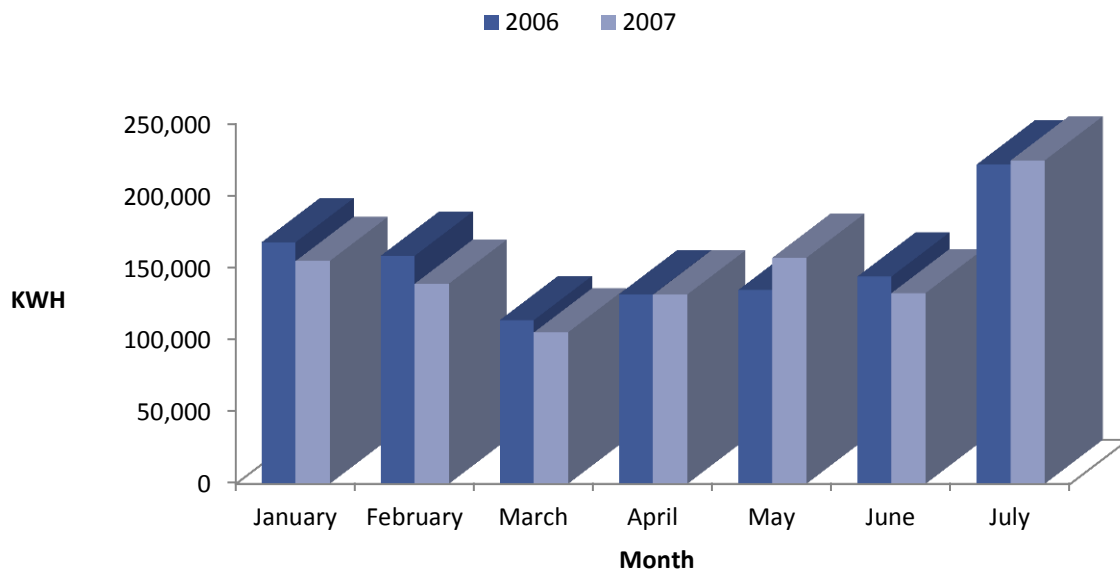
## Average Temperature of the Month

|               | August         | September      | October        | November    | December         |
|---------------|----------------|----------------|----------------|-------------|------------------|
| <b>2005</b>   | 22 °C          | 19 °C          | 11 °C          | 5 °C        | -3 °C            |
| <b>2006</b>   | 21 °C          | 15 °C          | 8 °C           | 5 °C        | 2 °C             |
| <b>Change</b> | <b>dropped</b> | <b>dropped</b> | <b>dropped</b> | <b>Same</b> | <b>Increased</b> |

*Note:*

*A drop in temperature will result in greater heating requirements and higher energy consumption.*

## Electricity Consumption Jan- July 2006 vs. 2007



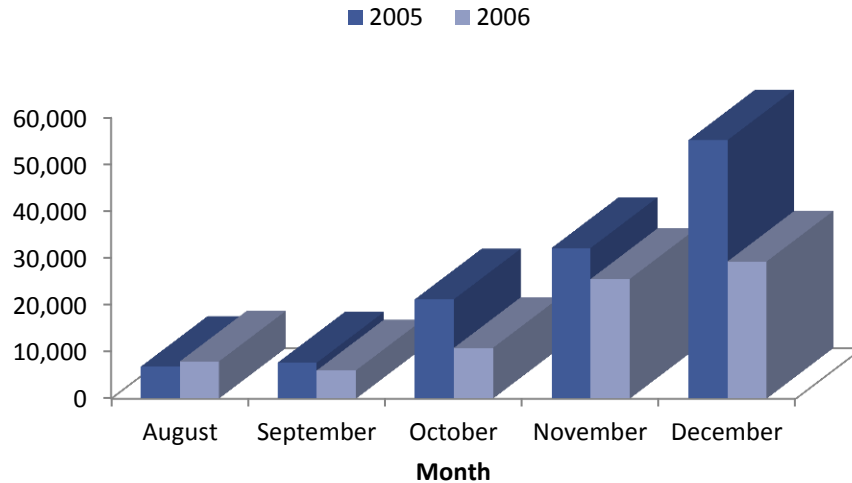
### Electricity Usage Comparison January to July 2006 vs. 2007

|             | January | February | March   | April   | May     | June    | July    |
|-------------|---------|----------|---------|---------|---------|---------|---------|
| <b>2006</b> | 167,760 | 158,400  | 113,760 | 131,760 | 134,640 | 144,000 | 221,760 |
| <b>2007</b> | 154,742 | 139,015  | 105,212 | 131,456 | 156,996 | 132,489 | 224,602 |

### Average Temperature by Month

|               | January | February | March   | April   | May   | June      | July    |
|---------------|---------|----------|---------|---------|-------|-----------|---------|
| <b>2006</b>   | 0 °C    | -4 °C    | 1 °C    | 8 °C    | 14 °C | 19 °C     | 23 °C   |
| <b>2007</b>   | -3 °C   | -8 °C    | 0 °C    | 6 °C    | 14 °C | 20 °C     | 21 °C   |
| <b>Change</b> | dropped | dropped  | dropped | dropped | Same  | Increased | dropped |

## Gas Consumption Aug- Dec 2005 vs. 2006



### Total Gas Consumption

|             | January       | February      | March         | April         | May           | June         | July         | August       | September    | October       | November      | December      |
|-------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|--------------|--------------|---------------|---------------|---------------|
| <b>2005</b> | 50,055        | 50,041        | 33,310        | 27,293        | 11,375        | 10,734       | 9,366        | 6,831        | 7,696        | 21,233        | 32,222        | 55,275        |
| <b>2006</b> | 55,275        | 35,661        | 47,062        | 31,597        | 24,263        | 8,227        | 13,077       | <b>7,961</b> | <b>6,048</b> | <b>10,855</b> | <b>25,600</b> | <b>29,336</b> |
| <b>2007</b> | <b>34,135</b> | <b>51,312</b> | <b>41,166</b> | <b>34,728</b> | <b>18,416</b> | <b>7,122</b> | <b>8,487</b> | <b>7,122</b> | <b>5,703</b> | <b>6,837</b>  | <b>17,353</b> | <b>32,597</b> |

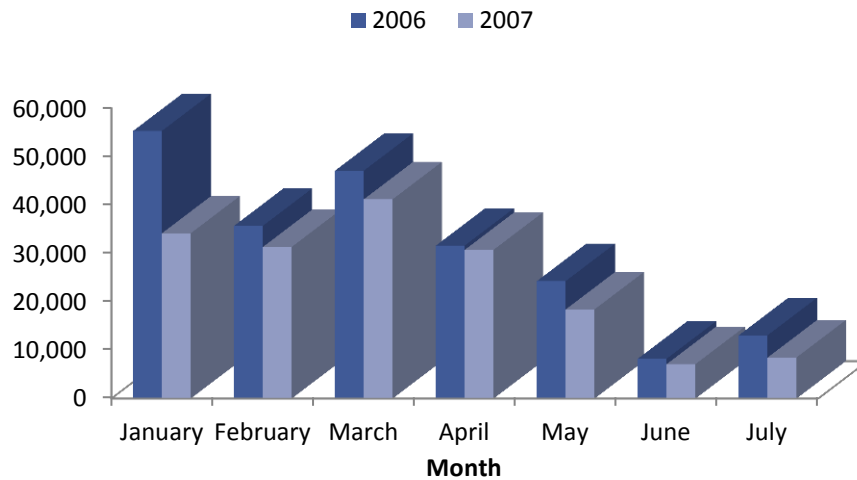
### Gas Usage Comparison Aug to Dec 2005 vs. 2006

|                     | August        | September    | October       | November     | December      |
|---------------------|---------------|--------------|---------------|--------------|---------------|
| <b>2005</b>         | 6,831         | 7,696        | 21,233        | 32,222       | 55,275        |
| <b>2006</b>         | 7,961         | 6,048        | 10,855        | 25,600       | 29,336        |
| <b>Total Saving</b> | <b>-1,130</b> | <b>1,648</b> | <b>10,378</b> | <b>6,622</b> | <b>25,939</b> |

### Average Temperature of the Month

|               | August         | September      | October        | November    | December         |
|---------------|----------------|----------------|----------------|-------------|------------------|
| <b>2005</b>   | 22 °C          | 19 °C          | 11 °C          | 5 °C        | -3 °C            |
| <b>2006</b>   | 21 °C          | 15 °C          | 8 °C           | 5 °C        | 2 °C             |
| <b>Change</b> | <b>dropped</b> | <b>dropped</b> | <b>dropped</b> | <b>Same</b> | <b>Increased</b> |

## Gas Consumption Jan- July 2006 vs. 2007



### Gas Usage Comparison Jan to July 2006 vs. 2007

|                     | January | February | March  | April  | May    | June  | July   | Total   |
|---------------------|---------|----------|--------|--------|--------|-------|--------|---------|
| <b>2006</b>         | 55,275  | 35,661   | 47,062 | 31,597 | 24,263 | 8,227 | 13,077 | 217,168 |
| <b>2007</b>         | 34,135  | 31,312   | 41,166 | 30,728 | 18,416 | 7,122 | 8,487  | 173,373 |
| <b>Total Saving</b> | 21,140  | 4,349    | 5,896  | 869    | 5,847  | 1,105 | 4,590  | 43,796  |

### Average Temperature by Month

|               | August  | September | October | November | December  |
|---------------|---------|-----------|---------|----------|-----------|
| <b>2005</b>   | 22 °C   | 19 °C     | 11 °C   | 5 °C     | -3 °C     |
| <b>2006</b>   | 21 °C   | 15 °C     | 8 °C    | 5 °C     | 2 °C      |
| <b>Change</b> | dropped | dropped   | dropped | Same     | Increased |