

**APPENDIX A**

**MINISTRY OF CHILDREN AND YOUTH SERVICES - ANNUAL ENERGY CONSUMPTION SUMMARY 2014**

| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2013           | 875,658   | 43                      | Electricity | 13,169,683.57            | 13,169,683.57                | 566.30                       | 0.0006                         | 15.04                       |
| 2013           | 875,658   | 1,891                   | Natural Gas | 2,166,109.73             | 22,852,457.65                | 4,095.31                     | 0.0047                         | 26.10                       |
| 2013           | 875,658   |                         | Water       | 85,039.52                |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>15,420,832.82</b>     | <b>36,022,141.22</b>         | <b>4,661.60</b>              | <b>0.0053</b>                  | <b>41.14</b>                |

**MINISTRY OF CHILDREN AND YOUTH SERVICES - ANNUAL ENERGY CONSUMPTION SUMMARY From the 2013 Report**

| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2012           | 863,200   | 100                     | Electricity | 12,957,372.51            | 12,957,372.51                | 1,295.74                     | 0.0015                         | 15.01                       |
| 2012           | 863,200   | 1,901                   | Natural Gas | 1,997,302.90             | 21,071,545.63                | 3,796.87                     | 0.0044                         | 24.41                       |
| 2012           | 863,200   |                         | Water       | 85,956.81                |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>15,040,632.23</b>     | <b>34,028,918.15</b>         | <b>5,092.61</b>              | <b>0.0059</b>                  | <b>39.42</b>                |

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|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2011           | 863,200   | 100                     | Electricity | 13,503,790.21            | 13,503,790.21                | 1,350.38                     | 0.0016                         | 15.64                       |
| 2011           | 863,200   | 1,901                   | Natural Gas | 2,258,382.86             | 23,825,939.14                | 4,293.19                     | 0.0050                         | 27.60                       |
| 2011           | 863,200   |                         | Water       | 105,631.78               |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>15,867,804.84</b>     | <b>37,329,729.34</b>         | <b>5,643.56</b>              | <b>0.0065</b>                  | <b>43.25</b>                |

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| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2010           | 545,138   | 131                     | Electricity | 13,629,307.37            | 13,629,307.37                | 1,787.35                     | 0.0033                         | 25.00                       |
| 2010           | 545,138   | 1,901                   | Natural Gas | 2,114,407.17             | 21,979,262.53                | 4,019.49                     | 0.0074                         | 40.32                       |
| 2010           | 545,138   |                         | Water       | 118,488.94               |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>15,862,203.48</b>     | <b>35,608,569.90</b>         | <b>5,806.84</b>              | <b>0.0107</b>                  | <b>65.32</b>                |

| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2009           | 546,338   | 101                     | Electricity | 12,292,478.29            | 12,292,478.29                | 1,239.45                     | 0.0023                         | 22.50                       |
| 2009           | 546,338   | 1,901                   | Natural Gas | 2,190,046.85             | 22,765,537.01                | 4,163.28                     | 0.0076                         | 41.67                       |
| 2009           | 546,338   |                         | Water       | 60,709.60                |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>14,543,234.74</b>     | <b>35,058,015.30</b>         | <b>5,402.73</b>              | <b>0.0099</b>                  | <b>64.17</b>                |

| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2008           | 546,338   | 171                     | Electricity | 9,155,228.45             | 9,155,228.45                 | 1,566.83                     | 0.0029                         | 16.76                       |
| 2008           | 546,338   | 1,901                   | Natural Gas | 1,768,207.23             | 18,380,514.16                | 3,361.36                     | 0.0062                         | 33.64                       |
| 2008           | 546,338   |                         | Water       | 54,414.39                |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>10,977,850.07</b>     | <b>27,535,742.61</b>         | <b>4,928.19</b>              | <b>0.0090</b>                  | <b>50.40</b>                |

| Year           | Total RSF | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|-----------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2007           | 472,344   | 211                     | Electricity | 9,384,960.45             | 9,384,960.45                 | 1,984.45                     | 0.0042                         | 19.87                       |
| 2007           | 472,344   | 1,901                   | Natural Gas | 1,689,679.03             | 17,564,213.52                | 3,212.08                     | 0.0068                         | 37.19                       |
| 2007           | 472,344   |                         | Water       | 65,266.89                |                              |                              |                                |                             |
| <b>TOTALS:</b> |           |                         |             | <b>11,139,906.37</b>     | <b>26,949,173.97</b>         | <b>5,196.53</b>              | <b>0.0110</b>                  | <b>57.05</b>                |

| Year           | Total RSF (est.) | Current Emission Factor | Energy Type | Annual Total Consumption | Total Energy Consumed (ekWh) | GHG Emissions Tonnes (total) | GHG Intensity (GHG Tonnes/rsf) | Energy Intensity (ekwh/rsf) |
|----------------|------------------|-------------------------|-------------|--------------------------|------------------------------|------------------------------|--------------------------------|-----------------------------|
| 2006           | 472,344          | 191                     | Electricity | 9,348,661.22             | 9,348,661.22                 | 1,786.90                     | 0.0038                         | 19.79                       |
| 2006           | 472,344          | 1,901                   | Natural Gas | 1,904,540.78             | 19,797,701.41                | 3,620.53                     | 0.0077                         | 41.91                       |
| 2006           | 472,344          |                         | Water       | 56,354.58                |                              |                              |                                |                             |
| <b>TOTALS:</b> |                  |                         |             | <b>11,309,556.58</b>     | <b>29,146,362.63</b>         | <b>5,407.44</b>              | <b>0.0114</b>                  | <b>61.71</b>                |