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1. Overview

This report is intended to provide a framework for Metrolink, referred to as “Agency” herein, to identify inefficient facilities and infrastructure and prioritize further investigation and energy efficiency retrofit work. This analysis uses only energy billing data provided by the Agency to analyze energy use across Agency assets, and to help identify opportunities for energy efficiency improvements. Many factors affect the energy use in different assets, including age, type of heating, ventilation, air conditioning (HVAC), and lighting equipment, facility occupancy and hours, plug loads, and climate. Once individual opportunities with the greatest potential for energy savings are identified, a more detailed screening of those facilities can be performed to identify the specific sources of the inefficiencies.

This report was created by The Energy Coalition on behalf of the Southern California Regional Network (www.socalren.org). Any questions about this report can be directed to your assigned Project Manager, Ken Gonzales at kgonzales@energycoalition.org.
2. **Total Energy Portfolio**

Your Total Annual Energy Cost is **$161,590**

![Annual Energy Costs](image)

Key: Solid color represents consumption, hashed color represents cost

<table>
<thead>
<tr>
<th>Agency Energy Use</th>
<th>Electric Consumption (kWh)</th>
<th>Electric Cost ($)</th>
<th>Gas Consumption (therms)</th>
<th>Gas Cost ($)</th>
<th>Total Energy Consumption (MBTUs)</th>
<th>Total Energy Cost ($)</th>
<th>GHG Emissions (lbs CO2)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agency Buildings</td>
<td>883,136</td>
<td>$143,090</td>
<td>17,881</td>
<td>$18,499</td>
<td>4,799,644</td>
<td>$161,590</td>
<td>456,581</td>
</tr>
</tbody>
</table>
5. Building Summary

Your Annual Energy Cost for Buildings is $161,590 and 100.0% of the Total Cost.

Table 4: Building Summary (Annual)

<table>
<thead>
<tr>
<th>Address</th>
<th>Electric Consumption (kWh)</th>
<th>Electric Cost ($)</th>
<th>Electric Rate ($/kWh)</th>
<th>Gas Consumption (therms)</th>
<th>Gas Cost ($)</th>
<th>Gas Rate ($/therm)</th>
<th>Disadvantaged Community (Y/N)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>2558 SUPPLY ST</td>
<td>511,373</td>
<td>$68,166</td>
<td>0</td>
<td>$0</td>
<td>$0.00</td>
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</tr>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>2703 MELBOURNE AVE</td>
<td>152,121</td>
<td>$26,621</td>
<td>0</td>
<td>$0</td>
<td>$0.00</td>
<td>Y</td>
</tr>
<tr>
<td>Agency</td>
<td>Address</td>
<td>Acres</td>
<td>Value (USD)</td>
<td>Market Value (USD)</td>
<td>Trans. Cost (USD)</td>
<td>Cost (USD)</td>
<td>Rate</td>
</tr>
<tr>
<td>--------------------------------</td>
<td>-----------------------------</td>
<td>-------</td>
<td>-------------</td>
<td>--------------------</td>
<td>-------------------</td>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>2701 MELBOURNE AVE</td>
<td>95,356</td>
<td>$16,430</td>
<td>$0.17</td>
<td>129</td>
<td>$357</td>
<td>$2.76</td>
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<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>2701 N GAREY AVE</td>
<td>47,464</td>
<td>$11,899</td>
<td>$0.25</td>
<td>0</td>
<td>$0</td>
<td>$0.00</td>
</tr>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>23450 1/2 PINE ST</td>
<td>50,239</td>
<td>$10,093</td>
<td>$0.20</td>
<td>0</td>
<td>$0</td>
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<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>585 MOORPARK AVE</td>
<td>26,584</td>
<td>$9,881</td>
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<td>0</td>
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<td>$0.00</td>
</tr>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>2704 N GAREY AVE</td>
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<td>$0</td>
<td>$0.00</td>
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<td>$9,746</td>
<td>$0.97</td>
</tr>
<tr>
<td>BOMBARDIER TRANSPORTATION</td>
<td>1555 N SAN FERNANDO RD</td>
<td>0</td>
<td>$0</td>
<td>$0.00</td>
<td>6,710</td>
<td>$7,067</td>
<td>$1.05</td>
</tr>
<tr>
<td>SOCAL REGIONAL RAIL AUTHORITY</td>
<td>1945 BORDWELL AVE</td>
<td>0</td>
<td>$0</td>
<td>$0.00</td>
<td>1,022</td>
<td>$1,329</td>
<td>$1.30</td>
</tr>
</tbody>
</table>
Appendix A - Methodology

1. Data Sources

- Building information, energy usage and cost data used in this analysis were derived from utility consumption billing data provided by agency staff.
- Utility consumption billing data used in this analysis were derived from SCG gas tariffs and SCE electric tariffs
- For more information about the utility tariffs included in this analysis refer to:
  - SCE Electric Tariff: For more information about Southern California Edison tariffs; https://www.sce.com/wps/portal/home/regulatory/tariff-books/rates-pricing-choices
- All electricity and gas results were based on usage during period June 1, 2018 – May 31, 2019.
- In some cases, multiple meters were associated with a single facility or asset type. For such facilities, to generate estimates of facility-wide energy use, energy usage and cost values were aggregated by summing energy usage and cost values for each day in the analysis period.
- GHG emissions data used in this analysis were calculated using the conversion: 517 lb CO2/MWh + 11.91 lbs CO2/therm [1,2].
2. Total Energy Portfolio

- Total Energy Portfolio data represents an analysis of each agency facility type annual energy costs, annual energy consumption (kWh), GHG Emissions and total annual energy costs for agency facility types based on MBtus.
- The following agency assets are included in the Total Energy Portfolio:
  - Water Pumping
  - Street & Traffic Lights
  - Buildings
  - Outdoor & Parks Lights

3. Building Summary

- Building summary data represents an analysis of the top ten highest energy consuming agency buildings annual energy costs, annual energy consumption (kWh), GHG Emissions, and total annual energy costs based on MBtus.
Endnotes


[3] Based on SoCalREN previous project estimates.