Case Study
energybank. Auto Dealership

Russ Darrow Mitsubishi - Waukesha, WI

65% Energy Reduction. $34,312 Annual Savings.

Before and After images of the dealership.

<table>
<thead>
<tr>
<th>Project Data – TOTAL</th>
<th>Electric Energy Use</th>
<th>Electric Demand</th>
<th>Annual Cost of Electricity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prior System</td>
<td>513,106 kWh</td>
<td>111.4 kW</td>
<td>$53,455</td>
</tr>
<tr>
<td>energybank</td>
<td>182,760 kWh</td>
<td>39.0 kW</td>
<td>$19,143</td>
</tr>
</tbody>
</table>

Additional lighting savings with FUSION solar contribution, and in maintenance and repair.

Total energy reduction: 330,346 kWh
Annual energy reduction: 65%
Base load demand reduction: 72.4 kW

By upgrading existing lighting to high-performance, energy-efficient LED throughout the dealership (both interior and exterior), Russ Darrow reduced electrical energy costs for lighting by 65%. This significant reduction equates to an annual electrical cost savings of $34,312. Award-winning model T® and ThinLine®, in addition to LED conversion kits and wall packs are several of the products deployed to complete this upgrade. In addition to improved operations, Russ Darrow has eliminated lighting related maintenance and repair.


Energy savings from this project have a positive impact on Greenhouse Gas emissions. A reduction of 330,346 kWh is the equivalent of:

- Eliminating the greenhouse gas emissions from 49 passenger vehicles driven for one year
- Eliminating the CO₂ emissions from the energy use of 28 homes for one year
- The carbon sequestered by 275 acres of US Forest in one year