Poudre School District completed a project in 2019 to upgrade parking lot lighting throughout multiple local schools. Not only did they save more than $20,000 per year on future energy cost savings, but offset rate increases and increased usage due to scheduling changes.

“The Efficiency Works Business rebates program is streamlined, customer friendly and easy to use. Efficiency Works Staff are extremely knowledgeable and helpful throughout the process. Without this program, this project would have taken several years to complete instead of a couple months.”

Trudy Trimbath
Energy and Sustainability Manager
Poudre School District

Project details

- 5 school locations in Fort Collins
- 150 parking lot pole lights and 75 wall packs upgraded
  - Replaced equipment included a mixture of 1000W, 400W, and 250W metal halide high-pressure sodium fixtures.
  - New equipment included 150W, 80W and 50W LED fixtures.
- Project timeline: 67 days from first proposal to final installation

<table>
<thead>
<tr>
<th>Location</th>
<th>Lights removed</th>
<th>Lights installed</th>
<th>Rebate</th>
<th>Customer investment</th>
<th>Annual kWh savings</th>
<th>Annual electric savings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Building 1</td>
<td>30 - 400w MH</td>
<td>28 - 100w Lithonia LED</td>
<td>$12,000</td>
<td>$12,000</td>
<td>55,000</td>
<td>$3,850</td>
</tr>
<tr>
<td>Building 2</td>
<td>7 - 1,000w MH</td>
<td>7 - 150 cooper LED</td>
<td>$5,000</td>
<td>$5,000</td>
<td>50,000</td>
<td>$3,500</td>
</tr>
</tbody>
</table>

Additional benefits

- Annual maintenance cost reduction of $3,000
- Improved site security at night due to improved light quality while reducing light spillage
  - All fixtures had CRI of 85 or higher
  - Color temperature of 3000k
- Project acted as the catalyst for additional facility upgrades
- Electric savings payback was 2.1 years - payback including operations and maintenance savings was 1.3 years.

Project completed by Orange Energizing Solutions