

## Parkrose School District ESPC Project

As your energy service company (ESCO), Ameresco is uniquely qualified to identify, design, implement, and finance infrastructure improvement projects by leveraging the energy savings to use as repayment over time. From our recent deep dive into Parkrose facilities, we found **nearly \$50,000 in annual utility savings** when upgrading Parkrose’s interior and exterior lights to LED. As an ESCO, Ameresco guarantees the majority percentage of that calculated savings, which the District then uses to implement the project without the need to spend capital funds.

### Current Needs Our Partnership Will Address

- Implement immediate District-wide lighting improvements*
- Improve the look and feel of the learning environment*
- Create energy & utility savings to promote the good stewardship of taxpayer dollars*

### Saving Energy and Reducing Greenhouse Gas Emissions:

Reducing Parkrose’s emissions by **421 Metric Tons of CO<sub>2</sub>** or the equivalent of...

**91** Gasoline-powered vehicles driven for 1 year



**465,274** pounds of coal burned



Sequestered by **498** acres of U.S. forests in 1 year



### Our Guarantees:

1. **Maximum Project Price** – Ameresco receives hard bids from contractors to avoid change orders and minimize risk to the District.
2. **Energy Savings** – Calculating annual utility bill savings (kWh, Therms, Propane, H<sub>2</sub>O Gallons, etc.) and backing up the majority percentage of those calculated savings with our own checkbook.
3. **Performance of Installed Measures** – We return to verify performance and correct any deficiencies in savings calculations without any extra cost to the District.

### District-wide Improvement Measure:      Result:

*Convert Interior and Exterior Lighting to LED*

*Immediate improvement in classroom environment and dramatic reduction in energy consumption*

### Base Project Financials (Phase 1 – Lighting):

- Total Construction Cost: **\$1,089,392**
- Guaranteed Annual Savings: **\$44,338 per year** (1<sup>st</sup> year savings) + 3% annual escalation
- 100% Calculated Savings: **\$49,546 per year** (1<sup>st</sup> year savings) + 3% annual escalation
- **Less than 14-year** simple payback
- Estimated Grants/Incentives: **\$69,371** (one-time incentive from ETO)
- Average Annual Maintenance Savings: **\$12,800 per year** (annual average over 20 years)

## A Valued Partner to Oregon School Districts

*Ameresco has been a trusted energy and infrastructure partner to school districts in Oregon since 2001.*

*Here are four recent examples of our school district partnerships and successful projects.*

<b>Recent District Partners</b>	<b>Contract Values</b>	<b>Scope of Work</b>
<b>Bethel School District</b>	\$3.6M & \$7.8M	Phase 1 – HVAC, Energy Efficiency; Phase 2 – Bond General Contractor for Infrastructure Improvements
<b>Jefferson County School District</b>	\$1.5M	Lighting, IAQ HVAC, and Retro-commissioning
<b>Grants Pass School District</b>	\$15M	Lighting, HVAC, and Building Envelope Upgrades (post failed bond)
<b>South Lane School District</b>	\$1.8M & \$800k	Phase 1 – Lighting, Retro-commission; Phase 2 – HVAC upgrades

## **A Phased Approach to Our Partnership**

### **Phase 1**

#### **1. Implement an ESPC project that will:**

- a) Immediately improve district lighting conditions by converting to LED
- b) Create energy & utility savings to repay the project over time and promote the District's good stewardship of existing funds

### **Phase 2 (future improvement potential)**

#### **2. Improve Parkrose SD's Indoor Air Quality and HVAC performance**

- a) Conduct a thorough IAQ study and report recommended actions
- b) Conduct a district-wide HVAC system retro-commissioning and targeted repairs
- c) Develop accurate pricing estimates and forecasting of the infrastructure improvement measures of future improvement measures

#### **Presented by your Project Team:**

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