## Indoor and Outdoor Lighting

<table>
<thead>
<tr>
<th>Fixtures / Retrosits</th>
<th>LED</th>
<th>$0.50 per watt reduced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensors</td>
<td>Occupancy</td>
<td>$0.10 per watt controlled</td>
</tr>
<tr>
<td></td>
<td>Vacancy (indoor only)</td>
<td>$0.10 per watt controlled</td>
</tr>
<tr>
<td></td>
<td>Plug load occupancy</td>
<td>$0.10 per watt controlled</td>
</tr>
<tr>
<td></td>
<td>$10 per sensor</td>
<td></td>
</tr>
<tr>
<td>LED Signs</td>
<td>&quot;Open&quot; sign</td>
<td>$40 per sign</td>
</tr>
<tr>
<td></td>
<td>Channel sign &lt; 2 feet</td>
<td>$12 per letter</td>
</tr>
<tr>
<td></td>
<td>Channel sign &gt; 2 feet</td>
<td>$30 per letter</td>
</tr>
<tr>
<td>Daylighting controls (indoor only)</td>
<td>$0.12 per watt controlled</td>
<td></td>
</tr>
<tr>
<td>Occupancy sensor plus daylighting controls (indoor only)</td>
<td>$0.18 per watt controlled</td>
<td></td>
</tr>
<tr>
<td>Time clocks for lighting</td>
<td>$0.03 per watt controlled</td>
<td></td>
</tr>
<tr>
<td>Photocells (outdoor only)</td>
<td>$0.08 per watt controlled</td>
<td></td>
</tr>
<tr>
<td>Photocell plus time clock (outdoor only)</td>
<td>$0.09 per watt controlled</td>
<td></td>
</tr>
</tbody>
</table>

### Networked Indoor and Outdoor Lighting

#### Option One
- New LED fixture: $0.60 per watt saved
- New lighting control system: $0.25 per watt controlled
- Measurement & verification: $0.15 per kWh saved above target

#### Option Two
- Keep existing fixtures or install new or retrofitted fixtures that don't meet option one fixture specs but may be eligible for standard lighting incentives: $0.10 per kWh saved above baseline
- New lighting control system
- Measurement & verification (optional)

## Energy Management System

**Installation of EMS on building with existing systems:**
- TIER 1: At least (3) control strategies implemented
- TIER 2: At least (6) control strategies implemented

- Non-programmable pneumatic thermostats: $0.35 per sq. ft. of conditioned space
- Non-programmable electronic thermostats: $0.25 per sq. ft. of conditioned space
- Programmable thermostats: $0.15 per sq. ft. of conditioned space
- Existing digital EMS older than 15 years: $0.15 per sq. ft. of conditioned space

### Custom
- Custom lighting: $0.07 per kWh saved
- Combined heat & power: $0.07 per kWh saved
- IT virtualization: $0.05 per kWh saved
- Closet-to-colocation: $0.10 per kWh saved
- Wastewater treatment: $0.21 per kWh saved
- Data Center New Construction: $0.07 per kWh saved
- All other custom: $0.12 per kWh saved

## Refrigeration

| EC motor | for walk-in cooler or freezer | $60 per motor |
| Q-Sync Motor | in place of EC Motor | $10 per motor |
| Anti-sweat heater controls for glass door cooler or freezer | $25 per linear ft. |
| Display cases with doors | on coolers | $180 per linear ft. |
| Special door with low/no-anti sweat heaters | on cooler display cases | $130 per door |
| Evaporator fan controls | on EC motor | $50 per controlled motor |
| Demand defrost controls | on walk-in coolers | $20 per evaporator fan motor |
| Efficient refrigeration condenser | $10 per ton |

### Floating Head Pressure Controls
- Condensing unit, medium temp.: $60 per compressor HP
- Condensing unit, low temp.: $60 per compressor HP
- Remote condenser, medium temp.: $60 per compressor HP
- Remote condenser, low temp.: $60 per compressor HP

### LED Refrigerated Display Case Lighting
- for closed case | $40 per door |
- for open case | $15 per linear ft. of lamp |

### Energy Star
- Solid door freezer | $100 per freezer |
- Glass door freezer | $200 per freezer |
- Solid door refrigerator | $45 per refrigerator |
- Glass door refrigerator | $45 per refrigerator |
- Refurbished vending machine | $50 per machine |

### Night Covers
- $10 per linear ft. |

### Strip Curtains
- Cooler / freezer door | $4 per sq. ft. |

### Automatic High Speed Doors
- Freezer and cooler spaces | $50 per sq. ft. |
- Freezer and dock spaces |
- Cooler and dock spaces |

### Reach-in (Novelty) Cooler Controls
- $40 per cooler |

### Beverage Machine Controls
- $100 per machine |

### Snack Machine Controls
- $40 per machine |

### Insulation of Bare Refrigeration Suction Lines
- $2 per linear ft. |

### LED Street Lighting
- Municipal owned streetlights | $0.70 per watt reduced |

## Network Desktop Power Management
- NDPM software | $15 per desktop computer |
<table>
<thead>
<tr>
<th>HVAC</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Water cooled chiller</td>
<td>Centrifugal</td>
<td>$4 per IPLV improvement per ton</td>
</tr>
<tr>
<td></td>
<td>Scroll or helical-rotary (screw)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Reciprocating</td>
<td></td>
</tr>
<tr>
<td>Air cooled chiller</td>
<td>$5 per IPLV improvement per ton</td>
<td></td>
</tr>
<tr>
<td>Chilled water reset controls</td>
<td>$5 per ton</td>
<td></td>
</tr>
<tr>
<td>SEHA tier 1 room air</td>
<td>$30 per ton</td>
<td></td>
</tr>
<tr>
<td>Package terminal AC/terminal heat pump</td>
<td>$30 per ton</td>
<td></td>
</tr>
<tr>
<td>Guest room energy management system</td>
<td>Electric heat/AC</td>
<td>$65 per guest room</td>
</tr>
<tr>
<td></td>
<td>Non-electric heat/AC</td>
<td>$25 per guest room</td>
</tr>
<tr>
<td>Demand controlled ventilation</td>
<td>Conditioned space (interior)</td>
<td>$40 per 1,000 sq. ft.</td>
</tr>
<tr>
<td></td>
<td>Parking garage (enclosed)</td>
<td>$300 per exhaust fan HP</td>
</tr>
<tr>
<td></td>
<td>Commercial kitchen exhaust hoods</td>
<td>$400 per exhaust fan HP</td>
</tr>
<tr>
<td>Restroom exhaust fan occupancy sensor</td>
<td>$10 per fan</td>
<td></td>
</tr>
<tr>
<td>Wireless pneumatic thermostat</td>
<td>$100 per thermostat</td>
<td></td>
</tr>
<tr>
<td>Air-side economizer</td>
<td>$50 per ton</td>
<td></td>
</tr>
<tr>
<td>Electronically commutated motor on fan-powered box</td>
<td>$50 per motor</td>
<td></td>
</tr>
<tr>
<td>High efficiency pumps and pumping</td>
<td>$15 per HP</td>
<td></td>
</tr>
<tr>
<td>efficiency improvements (retrofits)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cogged V-belts for HVAC fans</td>
<td>$5 per nominal motor HP</td>
<td></td>
</tr>
<tr>
<td>Roof top unit</td>
<td>$10 per ton per EER above efficiency requirement</td>
<td></td>
</tr>
<tr>
<td>Ground Source Heat Pump</td>
<td>$30 per ton per EER above minimum efficiency</td>
<td></td>
</tr>
<tr>
<td>Adsorbent Air Cleaning</td>
<td>$0.10 per SCFM</td>
<td></td>
</tr>
<tr>
<td>Energy Recovery Ventilator</td>
<td>Installation of enthalphy wheel</td>
<td>$0.20 per SCFM</td>
</tr>
<tr>
<td></td>
<td>Installation of enthalphy plate</td>
<td>$0.10 per SCFM</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LABORATORY</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High performance low flow fume hood</td>
<td>$400 per linear ft.</td>
<td></td>
</tr>
<tr>
<td>Variable air volume fume hood</td>
<td>$250 per linear ft.</td>
<td></td>
</tr>
<tr>
<td>Fume hood occupancy control</td>
<td>$100 per linear ft.</td>
<td></td>
</tr>
<tr>
<td>Automatic fume hood shush closer</td>
<td>$150 per linear ft.</td>
<td></td>
</tr>
<tr>
<td>Sash stops</td>
<td>$5 per linear ft.</td>
<td></td>
</tr>
<tr>
<td>Low pressure drop HEPA filters</td>
<td>$50 per 1,000 CFM</td>
<td></td>
</tr>
<tr>
<td>Low pressure drop high efficiency (non-HEPA) air filters</td>
<td>$15 per 1,000 CFM</td>
<td></td>
</tr>
<tr>
<td>Reduce/optimize air changes per hour (ACH) in laboratory space</td>
<td>$0.75 per CFM</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>AGRICULTURE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine block timer</td>
<td>$20 per timer installed</td>
<td></td>
</tr>
<tr>
<td>Thermally insulated livestock waterer</td>
<td>$110 per waterer installed</td>
<td></td>
</tr>
<tr>
<td>(electrically heated)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>High-volume low-speed (HVLS) fans</td>
<td>$1,000 per fan installed</td>
<td></td>
</tr>
<tr>
<td>High-speed exhaust &amp; ventilation fan</td>
<td>24-35 in. diameter</td>
<td>$25 per fan</td>
</tr>
<tr>
<td></td>
<td>36-47 in. diameter</td>
<td>$50 per fan</td>
</tr>
<tr>
<td></td>
<td>48-71 in. diameter</td>
<td>$100 per fan</td>
</tr>
<tr>
<td>High-speed circulation fan</td>
<td>24-35 in. diameter</td>
<td>$25 per fan</td>
</tr>
<tr>
<td></td>
<td>36-47 in. diameter</td>
<td>$50 per fan</td>
</tr>
<tr>
<td></td>
<td>48-71 in. diameter</td>
<td>$100 per fan</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>COMPRESSED AIR</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>High-efficiency air nozzles</td>
<td>$20 per nozzle</td>
<td></td>
</tr>
<tr>
<td>Low pressure drop filter</td>
<td>$3.50 per connected HP</td>
<td></td>
</tr>
<tr>
<td>No-loss condensate drains</td>
<td>$100 per drain</td>
<td></td>
</tr>
<tr>
<td>Refrigerated dryers</td>
<td>Thermal mass dryer</td>
<td>$1 per rated CFM</td>
</tr>
<tr>
<td></td>
<td>Variable speed dryer</td>
<td>$3 per rated CFM</td>
</tr>
<tr>
<td></td>
<td>Digital scroll dryer</td>
<td>$2 per rated CFM</td>
</tr>
<tr>
<td>Heat of compression desiccant</td>
<td>$4 per CFM</td>
<td></td>
</tr>
<tr>
<td>compressed air dryer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Heated blower purge desiccant</td>
<td>$4 per CFM</td>
<td></td>
</tr>
<tr>
<td>compressed air dryer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Variable displacement screw air compressor</td>
<td>$30 per HP</td>
<td></td>
</tr>
<tr>
<td>Compressed air pressure flow controller</td>
<td>$10 per HP</td>
<td></td>
</tr>
<tr>
<td>VSD on air compressor ≤ 150 HPs</td>
<td>$60 per HP</td>
<td></td>
</tr>
<tr>
<td>Air compressor(s) with integrated VSD ≤ 150 HPs</td>
<td>$85 per HP</td>
<td></td>
</tr>
<tr>
<td>Added compressor storage on lead/no load systems</td>
<td>$1.50 per gallon</td>
<td></td>
</tr>
</tbody>
</table>

**INDUSTRIAL SYSTEMS**

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Barrel wraps for injection molders and extruders</td>
<td>$40 per sq. ft.</td>
<td></td>
</tr>
<tr>
<td>Insulated pellet dryer duct</td>
<td>Outer diameter 3 in. - 8 in.</td>
<td>$10 - 25 per foot</td>
</tr>
<tr>
<td>Conversion of DC drives in plastic extruders to AC drives</td>
<td>$40 per HP</td>
<td></td>
</tr>
<tr>
<td>Fiber laser cutting machines</td>
<td>$2,000 per output kW</td>
<td></td>
</tr>
<tr>
<td>All electric injection molding machines</td>
<td>$45 per rated ton</td>
<td></td>
</tr>
<tr>
<td>Hybrid injection molding machine</td>
<td>$37.50 per rated ton</td>
<td></td>
</tr>
</tbody>
</table>

**VARIABLE SPEED DRIVES**

<table>
<thead>
<tr>
<th>VSD</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>on HVAC chiller</td>
<td>$40 per HP</td>
<td></td>
</tr>
<tr>
<td>on HVAC fan or pump ≤ 200 HP$^\text{a}$</td>
<td>$80 per HP</td>
<td></td>
</tr>
<tr>
<td>on pool pump</td>
<td>$100 per HP</td>
<td></td>
</tr>
</tbody>
</table>

| Terms and conditions apply           |
| Actual savings will vary by customer's energy usage and rate. |
| © Commonwealth Edison Company 2019 |
| The ComEd Energy Efficiency Program is funded in compliance with state law. |

*Terms and conditions apply*

**To qualify for 2019 incentives, final applications must be submitted no later than 60 days from project completion, or February 28, 2020, whichever date comes first.**