

Energy Service Contract
Proposed Measures
MEASURES

| | City and School Buildings | Measure Costs | Savings | Simple Payback (years) |
|---------------|-----------------------------------|----------------------|-------------------|------------------------|
| 1 | Lighting Upgrades | \$ 1,253,487 | \$ 178,777 | 7.01 |
| 2 | Lighting Controls | \$ 659,275 | \$ 38,518 | 17.12 |
| | Lighting Total | \$ 1,912,762 | \$ 217,295 | 8.80 |
| 3 | Street Light Retrofit | \$ - | \$ - | - |
| 4 | Boiler Upgrade | \$ 3,851,805 | \$ 188,395 | 20.45 |
| 4B | Barron Center - Hot Water Boilers | \$ 1,619,786 | \$ 51,784 | 31.28 |
| 5 | Heating Controls | \$ 1,273,007 | \$ 294,042 | 4.33 |
| 6 | Laundry Plant Upgrades | \$ 657,971 | \$ 92,457 | 7.12 |
| 7 | Vending Machine Controls | \$ - | \$ - | - |
| 8 | Pipe and Equipment Insulation | \$ 15,608 | \$ 4,168 | 3.74 |
| 9 | Water Conservation | \$ 601,182 | \$ 62,185 | 9.67 |
| 10 | Install Microturbine | \$ - | \$ - | - |
| 11 | Domestic Water Heaters | \$ 37,163 | \$ 4,310 | 8.62 |
| 12 | Solar Water Heaters | \$ 84,068 | \$ 3,027 | 27.77 |
| 13 | Walk-in Cooler Controls | \$ 23,266 | \$ 4,180 | 5.57 |
| 14 | Window Replacements | \$ 1,378,807 | \$ 14,326 | 96.25 |
| 15 | New Roofs | \$ 1,543,055 | \$ 11,584 | 133.21 |
| 16 | Building Envelope | \$ 26,805 | \$ 2,801 | 9.57 |
| 17 | HVAC Measures | \$ 46,968 | \$ 295 | 159.04 |
| 18 | Solar PV Systems | \$ 29,761 | \$ 438 | 67.87 |
| 19 | Variable Speed Pumps | \$ 20,129 | \$ 13,093 | 1.54 |
| 20 | Energy Efficient Appliances | \$ - | \$ - | - |
| 21 | Replace Greenhouse | \$ - | \$ - | - |
| Totals | | \$ 13,122,143 | \$ 964,381 | 13.61 |

| | City Buildings | Measure Costs | Savings | Simple Payback (years) |
|---------------|---------------------------------------|---------------------|-------------------|------------------------|
| 1 | Lighting Upgrades | \$ 830,834 | \$ 134,942 | 6.16 |
| 2 | Lighting Controls | \$ 129,009 | \$ 14,468 | 8.92 |
| | Lighting Total | \$ 959,843 | \$ 149,411 | 6.42 |
| 3 | Street Light Retrofit | \$ - | \$ - | - |
| 4 | Boiler Upgrade | \$ 1,224,300 | \$ 69,605 | 17.59 |
| 4B | Barron Center - New Hot Water Boilers | \$ 1,619,786 | \$ 51,784 | 31.28 |
| 5 | Heating Controls | \$ 659,967 | \$ 85,960 | 7.68 |
| 6 | Laundry Plant Upgrades | \$ 657,971 | \$ 92,457 | 7.12 |
| 8 | Pipe and Equipment Insulation | \$ 8,295 | \$ 2,780 | 2.98 |
| 9 | Water Conservation | \$ 234,402 | \$ 31,681 | 7.40 |
| 10 | Install Microturbine | \$ - | \$ - | - |
| 11 | Domestic Water Heaters | \$ - | \$ - | - |
| 12 | Solar Water Heaters | \$ - | \$ - | - |
| 13 | Walk-in Cooler Controls | \$ 6,606 | \$ 971 | 6.80 |
| 14 | New Windows | \$ 365,807 | \$ 1,783 | 205.19 |
| 15 | New Roofs | \$ 192,028 | \$ 1,545 | 124.27 |
| 16 | Building Envelope | \$ 17,017 | \$ 1,926 | 8.84 |
| 17 | HVAC Measures | \$ 46,968 | \$ 295 | 159.04 |
| 18 | Solar PV Systems | \$ - | \$ - | - |
| 19 | Variable Speed Pumps | \$ 20,129 | \$ 13,093 | 1.54 |
| Totals | | \$ 6,013,118 | \$ 503,291 | 11.95 |

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| | School Buildings | Measure Costs | Savings | Simple Payback (years) |
|---------------|-------------------------------|---------------------|-------------------|------------------------|
| 1 | Lighting Upgrades | \$ 422,653 | \$ 43,835 | 9.64 |
| 2 | Lighting Controls | \$ 530,266 | \$ 24,049 | 22.05 |
| | Lighting Total | \$ 952,919 | \$ 67,884 | 14.04 |
| 4 | Boiler Upgrade | \$ 2,627,505 | \$ 118,790 | 22.12 |
| 5 | Heating Controls | \$ 613,041 | \$ 208,082 | 2.95 |
| 8 | Pipe and Equipment Insulation | \$ 7,313 | \$ 1,389 | 5.27 |
| 9 | Water Conservation | \$ 366,779 | \$ 30,504 | 12.02 |
| 11 | Domestic Water Heaters | \$ 37,163 | \$ 4,310 | 8.62 |
| 12 | Solar Water Heaters | \$ 84,068 | \$ 3,027 | 27.77 |
| 13 | Walk-in Cooler Controls | \$ 16,660 | \$ 3,208 | 5.19 |
| 14 | New Windows | \$ 1,013,000 | \$ 12,543 | 80.76 |
| 15 | New Roofs | \$ 1,351,027 | \$ 10,039 | 134.58 |
| 16 | Building Envelope | \$ 9,788 | \$ 875 | 11.18 |
| 18 | Solar PV Systems | \$ 29,761 | \$ 438 | 67.87 |
| 21 | Replace Greenhouse | \$ - | \$ - | - |
| Totals | | \$ 7,109,025 | \$ 461,090 | 15.42 |

| | Ameresco Managed Projects | Measure Costs | Savings | Simple Payback (years) |
|---------------|---------------------------------------|----------------------|-------------------|------------------------|
| 1 | Lighting Upgrades | \$ 1,253,487 | \$ 178,777 | 7.01 |
| 2 | Lighting Controls | \$ 659,275 | \$ 38,518 | 17.12 |
| | Lighting Total | \$ 1,912,762 | \$ 217,295 | 8.80 |
| 4 | Boiler Upgrade | \$ 3,851,805 | \$ 188,395 | 20.45 |
| 4B | Barron Center - New Hot Water Boilers | \$ 1,619,786 | \$ 51,784 | 31.28 |
| 5 | Heating Controls | \$ 1,273,007 | \$ 294,042 | 4.33 |
| 6 | Laundry Plant Upgrades | \$ 657,971 | \$ 92,457 | 7.12 |
| 8 | Pipe and Equipment Insulation | \$ 15,608 | \$ 4,168 | 3.74 |
| 9 | Water Conservation | \$ 559,792 | \$ 49,956 | 11.21 |
| 11 | Domestic Water Heaters | \$ 37,163 | \$ 4,310 | 8.62 |
| 12 | Solar Water Heaters | \$ 84,068 | \$ 3,027 | 27.77 |
| 13 | Walk-in Cooler Controls | \$ 23,266 | \$ 4,180 | 5.57 |
| 14 | New Windows | \$ 65,807 | \$ 1,195 | 55.07 |
| 16 | Building Envelope | \$ 26,805 | \$ 2,801 | 9.57 |
| 17 | HVAC Measures | \$ 46,968 | \$ 295 | 159.04 |
| 18 | Solar PV Systems | \$ 29,761 | \$ 438 | 67.87 |
| 19 | Variable Speed Pumps | \$ 20,129 | \$ 13,093 | 1.54 |
| Totals | | \$ 10,224,698 | \$ 927,437 | 11.02 |

| | City Managed Projects | Measure Costs | Savings | Simple Payback (years) |
|---------------|-----------------------|---------------------|------------------|------------------------|
| 9 | Water Conservation | \$ 41,390 | \$ 12,229 | 3.38 |
| 14 | New Windows | \$ 1,313,000 | \$ 13,131 | 100.00 |
| 15 | New Roofs | \$ 1,543,055 | \$ 11,584 | 133.21 |
| Totals | | \$ 2,897,445 | \$ 36,944 | 78.43 |