

All figures based on MUSCO Proposal

| CO2 (tons) | Existing | Proposed | Change | Notes |
|------------------------------|----------|----------|--------|---|
| Warren Field | 447 | 217 | -230 | Based on 400 Hours Use/year for 25 years |
| Tennis Courts | 745 | 303 | -442 | Based on 1000 Hours Use/year for 25 years |
| High School Field | 0 | 108 | 108 | Based on 100 Hours Use/year for 25 years |
| High School Field 6/1 Update | 0 | 80 | 80 | Based on 100 Hours Use/year for 25 years |
| Reidy | 97 | 64 | -33 | Based on 200 Hours Use/year for 25 years. |

TONS of CO2/100 hour of field use over 25 years

| | Existing | Proposed | Change |
|-------------------|----------|----------|--------|
| Warren Field | 111.75 | 54.25 | -57.5 |
| Tennis Courts | 74.5 | 30.3 | -44.2 |
| High School Field | 0 | 108 | 108 |
| HS 6/1 Update | 0 | 80 | 80 |
| Reidy | 48.5 | 32 | -16.5 |

CO2 calculations are as follows: # Hours x Total kW per lamp x years in Warranty * coefficient

| COST (over 25 years) | Existing | | | | Proposed | | | |
|------------------------------|-----------|-------------|----------|-----------|-----------|-------------|----------|-----------|
| | Energy | Maintenance | Controls | Total | Energy | Maintenance | Controls | Total |
| Warren | \$207,360 | \$39,217 | \$9,720 | \$256,297 | \$100,832 | \$0 | \$0 | \$100,832 |
| Tennis | \$203,040 | \$30,350 | \$16,200 | \$249,590 | \$82,720 | \$0 | \$0 | \$82,720 |
| High School Field | \$0 | \$0 | \$0 | \$0 | \$101,725 | \$0 | \$0 | \$101,725 |
| High School Field 6/1 update | \$0 | \$0 | \$0 | \$0 | \$75,790 | \$0 | \$0 | \$75,790 |
| Reidy | \$76,010 | \$8,538 | \$0 | \$84,548 | \$49,734 | \$0 | \$0 | \$49,734 |

Per Year

| Per Year | Existing | | | | Proposed | | | |
|----------|----------|-------------|----------|----------|----------|-------------|----------|---------|
| | Energy | Maintenance | Controls | Total | Energy | Maintenance | Controls | Total |
| | \$8,294 | \$1,569 | \$389 | \$10,252 | \$4,033 | \$0 | \$0 | \$4,033 |
| | \$8,122 | \$1,214 | \$648 | \$9,984 | \$3,309 | \$0 | \$0 | \$3,309 |
| | \$0 | \$0 | \$0 | \$0 | \$4,069 | \$0 | \$0 | \$4,069 |
| | \$0 | \$0 | \$0 | \$0 | \$3,032 | \$0 | \$0 | \$3,032 |
| | \$3,040 | \$342 | \$0 | \$3,382 | \$1,989 | \$0 | \$0 | \$1,989 |

| Cost savings (over 25 years) | Existing VS Proposed | | | | Per Year |
|------------------------------|----------------------|-------------|-----------|------------|-------------|
| | Energy | Maintenance | Controls | Total | |
| Warren | -\$106,528 | -\$39,217 | -\$9,720 | -\$155,465 | -\$6,218.60 |
| Tennis | -\$120,320 | -\$30,350 | -\$16,200 | -\$166,870 | -\$6,674.80 |
| High School Field | \$101,725 | \$0 | \$0 | \$101,725 | \$4,069.00 |
| High School Field 6/1 Update | \$75,790 | \$0 | \$0 | \$75,790 | \$3,031.60 |
| Reidy | -\$26,276 | -\$8,538 | \$0 | -\$34,814 | -\$49,734 |

| Installation Cost | Materials | Labor | Total |
|------------------------------|-----------|-----------|-----------|
| Warren | \$135,000 | \$55,000 | \$190,000 |
| Tennis | \$95,000 | \$55,000 | \$150,000 |
| High School Field | \$315,000 | \$110,000 | \$425,000 |
| High School Field 6/1 Update | \$315,000 | \$110,000 | \$425,000 |
| Reidy | N/A | N/A | N/A |

Wellesley Sports Lighting Lumen Total Calculations

Current

High School Field

| Fixtures | Quantity | Lumens | Total |
|----------|----------|--------|-------|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | 0 |

Tennis and Warren

| Fixtures | Quantity | Lumens | Total |
|--------------|----------|---------|-----------|
| TLC 1500W MH | 36 | 155,000 | 5,580,000 |
| TLC 1000W MH | 30 | 100,000 | 3,000,000 |
| | | | 8,580,000 |

Warren

| Fixtures | Quantity | Lumens | Total |
|--------------|----------|---------|-----------|
| TLC 1500W MH | 36 | 155,000 | 5,580,000 |
| | | | 5,580,000 |

Tennis

| Fixtures | Quantity | Lumens | Total |
|--------------|----------|---------|-----------|
| TLC 1000W MH | 30 | 100,000 | 3,000,000 |
| | | | 3,000,000 |

Proposed

High School Field

| Fixtures | Quantity | Lumens | Total |
|------------------|----------|---------|-----------|
| TLC-LED-1500 LED | 22 | 156,100 | 3,434,200 |
| TLC-LED-900 LED | 8 | 89,600 | 716,800 |
| TLC-LED-1200 LED | 10 | 136,000 | 1,360,000 |
| TLC-LED-400 LED | 2 | 46,500 | 93,000 |
| TLC-BT-575 LED | 8 | 52,000 | 416,000 |
| | | | 6,020,000 |

Change/Delta

6,020,000

Tennis and Warren

| Fixtures | Quantity | Lumens | Total |
|------------------|----------|---------|-----------|
| TLC-LED-1200 LED | 35 | 136,000 | 4,760,000 |
| TLC-BT-575 LED | 8 | 52,000 | 416,000 |
| TLC-LED-900 LED | 4 | 89,600 | 358,400 |
| TOTAL | 47 | | 5,534,400 |

-3,045,600

Warren

| Fixtures | Quantity | Lumens | Total |
|------------------|----------|---------|-----------|
| TLC-LED-1200 LED | 23 | 136,000 | 3,128,000 |
| TLC-BT-575 LED | 8 | 52,000 | 416,000 |
| | | | 3,544,000 |

-2,036,000

Tennis

| Fixtures | Quantity | Lumens | Total |
|------------------|----------|---------|-----------|
| TLC-LED-1200 LED | 12 | 136,000 | 1,632,000 |
| TLC-BT-575 LED | 0 | 52,000 | 0 |
| TLC-LED-900 LED | 4 | 89,600 | 358,400 |
| | | | 1,990,400 |

-1,009,600

Cumulative Change 1,979,000

High School Field 6/1 Update

| Fixtures | Quantity | Lumens | Total |
|------------------|----------|---------|-----------|
| TLC-LED-1500 LED | 22 | 156,100 | 3,434,200 |
| TLC-LED-900 LED | 4 | 89,600 | 358,400 |
| TLC-LED-1200 LED | 6 | 136,000 | 816,000 |
| TLC-LED-400 LED | 0 | 46,500 | 0 |
| Balltracker | 8 | 52,000 | 416,000 |
| | | | 5,024,600 |

Change/Delta

5,024,600