

HAMPTON PARK FIELD LIGHTING REPLACEMENT

A joint project with Gorge Soccer
Association and Saanich Parks



PARKS, RECREATION
& COMMUNITY SERVICES

WHAT IS BEING PROPOSED?



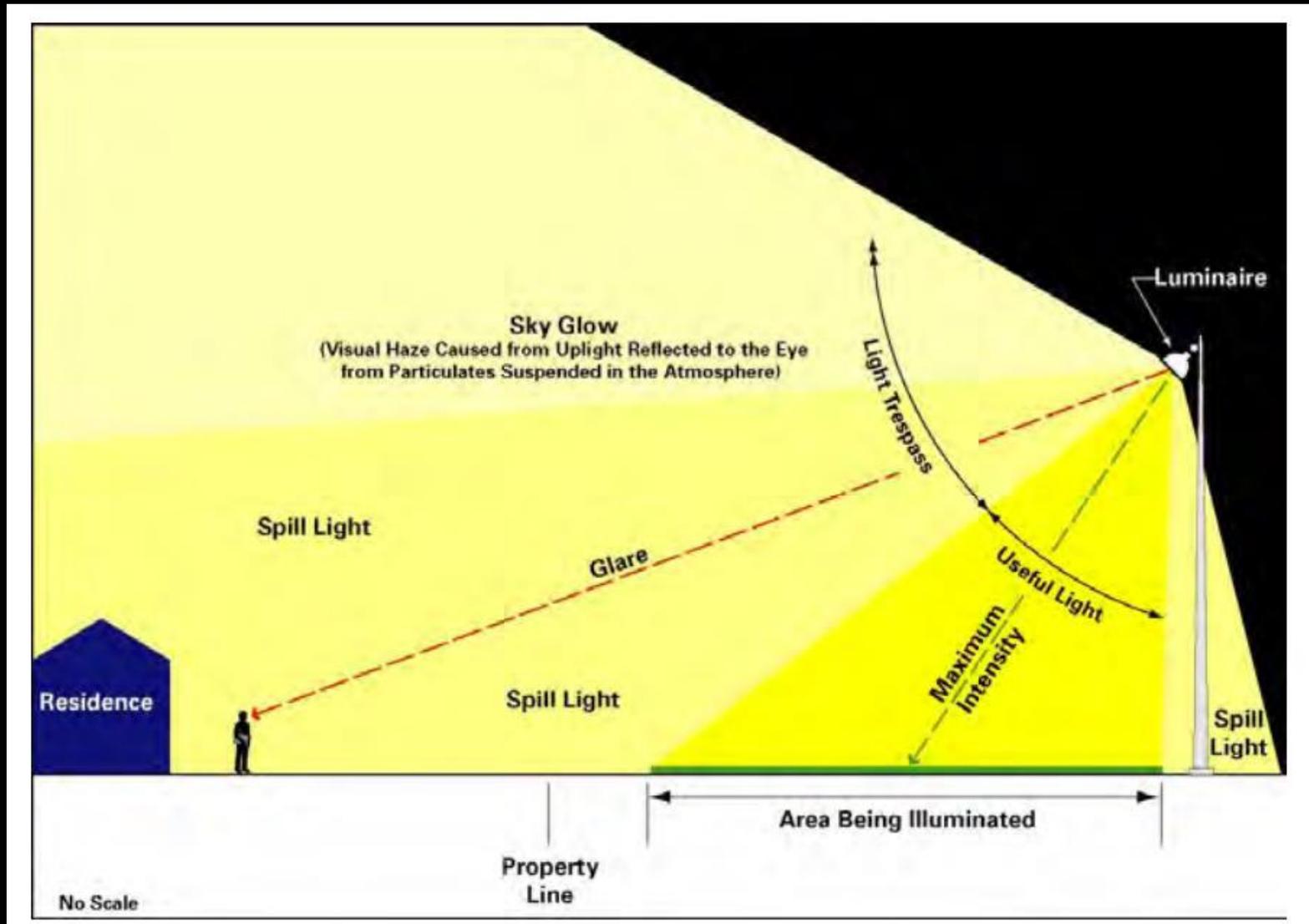
- 13 lamp posts on cage + turf field + grass field
- Lamps on all poles changed from Metal Halide to LED
- Change light controller - sector control + remote control
- Some internal electric panel work to be upgraded



WHY THE CHANGES?

- 25-year-old system
- Current lighting system has some un-repairable elements
- Operating costs is high
- Maintenance intensive & costly (annually)
- Poor on field lighting
- Poor control of lights
- Cause of game cancellations
- Not “green” technology
- LIGHT SPILLAGE
- LIGHT GLARE

Light Spillage - BAD



Light Glare - BAD

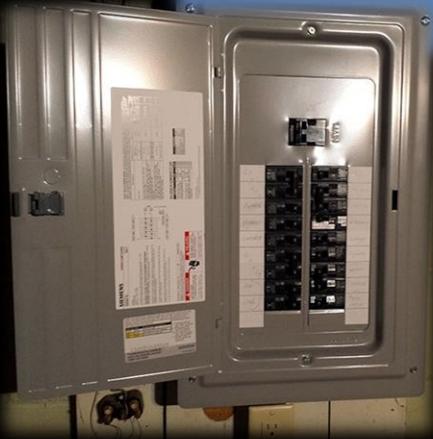


Sky Glow

Glare

Spill Light

Current System



New System



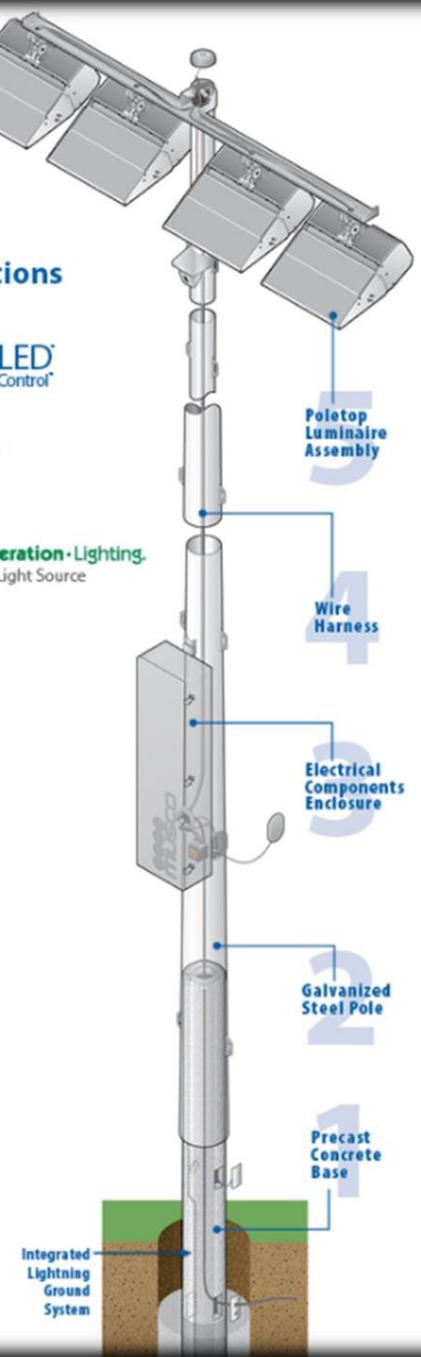
Two light source options



TLC for LED
Total Light Control



Green Generation Lighting
Metal Halide Light Source



5
Poletop Luminaire Assembly

4
Wire Harness

3
Electrical Components Enclosure

2
Galvanized Steel Pole

1
Precast Concrete Base

Integrated Lightning Ground System

New System - LED

- **Approx 80 LED fixtures (numbers to be confirmed)**
- **60% more efficient (electrical) - GREENER**
- **Superior on field lighting with minimal light SPILL & GLARE to surrounding area**
- **Web-based timer system to avoid having lights on when field is not in use**
- **Better, more efficient control, ability to use less lighting, and light smaller areas rather than the entire field**
- **Reduced maintenance time and costs due to bulb longevity**
- **In an emergency or situation, the lights can be turned on/off remotely**
- **Lower annual costs to Gorge Soccer (hydro/operating costs + maintenance costs) – money goes to kids or area improvement**

Benefits of LED Lighting

- **Better light:** LEDs are a “brighter” white than traditional halide lamps
- **Longer life:** LEDs, depending on their usage, can last up to 200,000 hours
- **Energy savings:** possible reduction in lighting energy consumption by 78%
- **Instant on:** Most traditional outdoor lighting takes time to warm up and achieve full brightness. LED lighting does not rely on heat to operate, and therefore rapidly illuminate regardless of temperature.
- **Durability:** LEDs are manufactured with durable sealed materials and they can handle harsh weather condition much better than traditional bulbs.
- **Flexibility:** You can find outdoor LED lighting in various forms; parking lot lighting, wall pack, garages, pathway and street lighting, and more.

Goal - Minimize Glare & Light Spill

50-yard line before the lighting upgrade



Photo credit: Musco Lighting

50-yard line after the lighting upgrade



Timeline & Impact

Cost / Budget

- **ZERO COST to Saanich & ZERO COST to taxpayers**
- **All costs wholly borne by Gorge Soccer Association (approx. \$300k)**
- **Work done by private sector consultants**

Schedule

- **Targeting September 2022 installation – aggressive target (may be delayed due to supply chain)**
 - **Could be done over Christmas 2022**
- **Estimated installation time is 6 days**

Local Area Impact

- **No impact on local roads or neighbours**
- **Areas of park closed during installation (overhead hazard)**
- **Post installation – positive impact for neighbours / region**

Thank you!

On behalf of the Gorge Soccer Association and the District of Saanich, we would like to thank you for your time and interest.









