

City OF Saint Paul STREET LIGHTING

**Council Operations Update
General Lighting Information & Wire Theft Activities
Update**

July 2023



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PUBLIC WORKS

Note: Due to some content, this presentation is not intended for distribution.

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Overview

**Lightning Review of St Paul Lighting System and
Copper Theft**

Funding Provided in 2023 = \$255,991 and Action Plan

Regulatory and Enforcement Issues and Activities



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Saint Paul Lighting Styles



King
Lantern



Large
Antique
Lantern



Side Mount
Holophane



Globe



Redesigned
Lantern



Irvine
Park
Lantern



Sun
Valley
Lantern



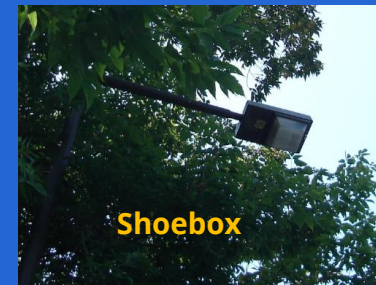
Old Style
Lantern



Cobra



Acorn

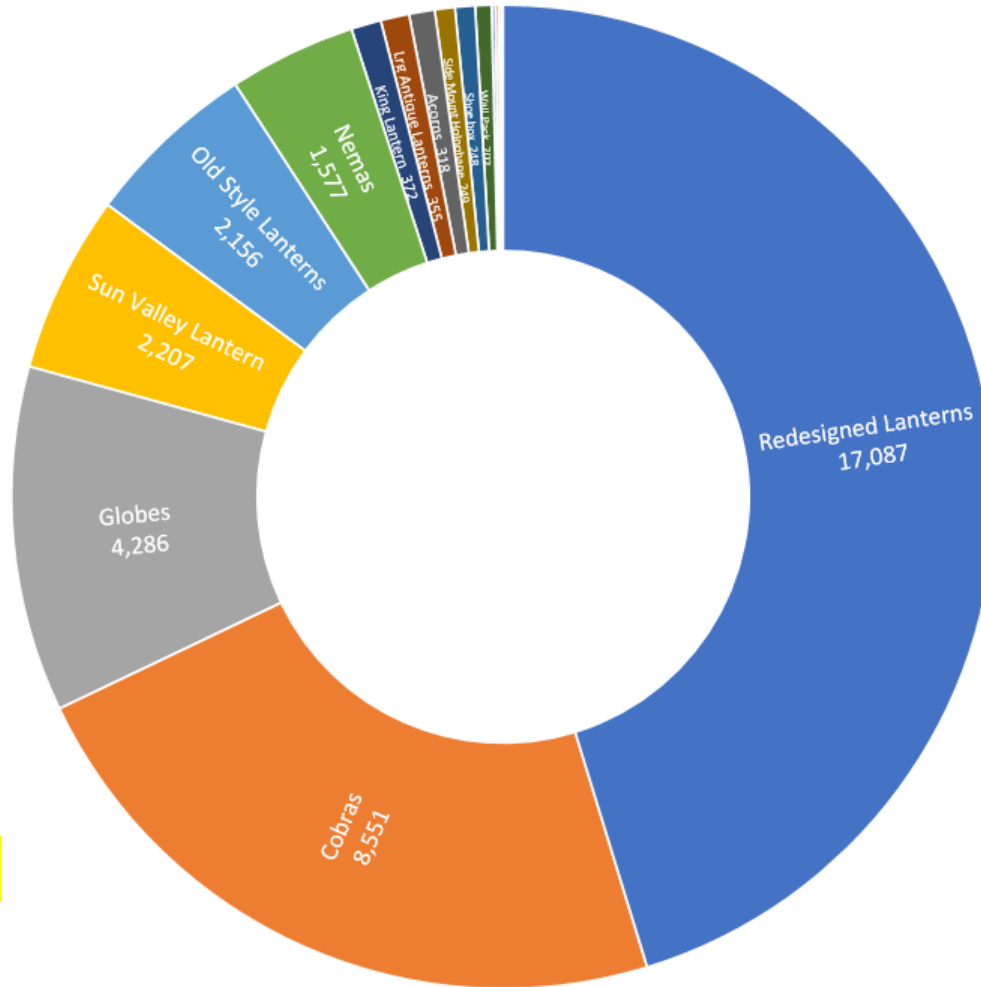


Shoebox



City of Saint Paul Lighting

By the #'S



Styles - 16
Fixtures - 37,750

STYLE	QTY
Redesigned Lanterns	17,087
Cobras	8,551
Globes	4,286
Sun Valley Lantern	2,207
Old Style Lanterns	2,156
Nemas	1,577
King Lantern	372
Lrg Antique Lanterns	355
Acorns	318
Side Mount Holophane	249
Shoe box	248
Wall Pack	202
Bollard	46
Western Style Lantern	43
Irvine Park Lanterns	31
Post Tops	22



Wire – COPPER – What They Are After

- Copper is the goal (fiber optic cable has been affected)
- Lighting theft is predominant, but signals are becoming affected
- Rate of theft is increasing – well beyond our ability to replace/address
- Public Safety has become our primary concern (banded covers)





What Has Been Done and Ongoing Efforts

- Theft Deterrent Screws
- Banding Access Doors
- Welding Access Doors
- Reduced Wire Size
- City Property ID on Wire
- Overhead Wire (where possible)
- Daylight Burning
- Solar Lighting Options
- Aluminum Wire (other Cities)
- Media & Public Information
- Interdepartmental Coordination – PW / PARKS / SPPD / DSI
- Theft Monitoring Device
- New Installations – Design Modifications (where possible)
- Cost Tracking
- Mapping
- Alternate Pole Designs (where feasible)
- Complaint Management
- Review of Proposals by External Entities



Additional Funding in 2023 – Thank You

The Council provided \$355,991 in 2023 for activities to address lighting theft. Efforts to identify activities have been coordinated across Parks, SPPD, DSI and PW.

Current Plan of Actions:

- Parks and Recreation Department:
 - \$20,000 – Pilot new light poles
 - \$5,000 – Explore new theft deterrent devices
 - \$15,000 – Pilot theft deterrent measure
- St Paul Police Department:
 - \$10,000 – Explore new theft deterrent devices
- Public Works – Traffic Engineering:
 - \$140,991 – Explore/Research solar lights specifications/design standard, testing, etc.
- Public Works – Traffic Operations:
 - \$20,000 - Expand theft notification locations systems
 - \$5,000 – Explore new theft deterrent measures
 - \$100,000 – Address public safety with banded access doors
- Department of Safety and Inspections:
 - \$40,000 - Regulatory enforcement activities



Questions and Discussion

CONTACTS:

Public Works – Traffic Operations – Joe Spah

Parks & Recreation – Tom Hagel

St. Paul Police Department – Sr. Commander Kurt Hallstrom

DSI – Angie Wiese

CAO – Kyle Citta (PW) / Judy Hanson (SPPD)