

Transportation Department

Streetlight Repair Update

Active Transportation & Infrastructure Committee

June 21, 2023



Streetlight Update

- Background
- Personnel
- Budget
- Current Caseload
- Progress
- Goals & Next Steps



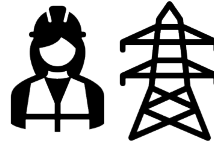
Background

- **60,000+** streetlights and other lights (parks, fields, parking lots, etc.) maintained by Street Division
- **50+** outdated Series Circuits impacting close to **2,000 streetlights**
- **Dozens** of different lighting standards and styles from MADs, BIDs, and Special Lighting districts
- Increasing inventory of new streetlights and changing technologies
- Other work causing damage to infrastructure resulting in outages

Personnel



18.00 Electricians



8.00 Utility Workers

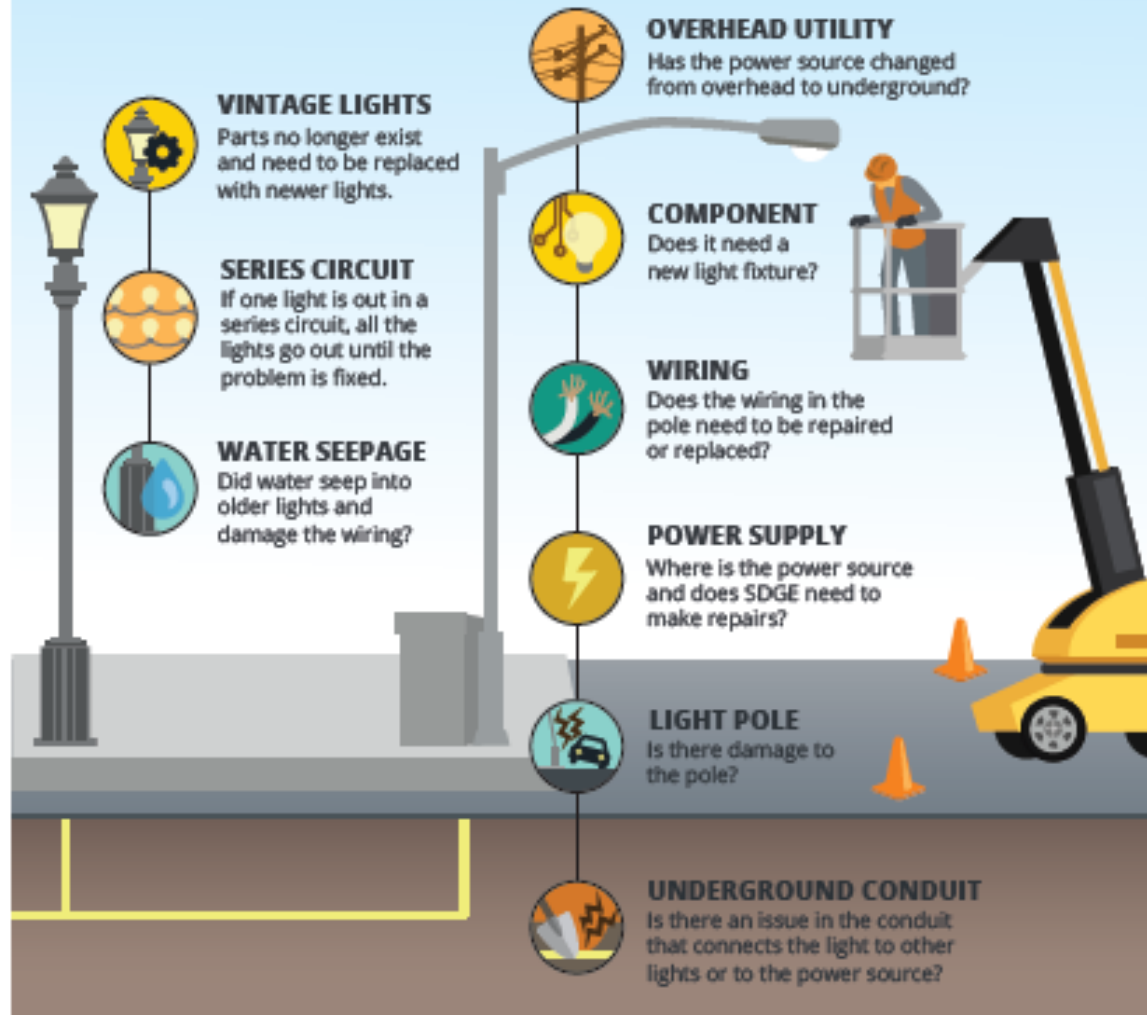


1.00 Equipment Operator

Maintaining **60,000+** Streetlights Citywide

WHAT'S WRONG WITH THE STREETLIGHT?

When a streetlight is out, City electricians must troubleshoot the light and its power source to determine the cause and the fix, which are often complex issues.



HOW YOU CAN HELP

- 1 Report streetlight outage locations using the City of San Diego's [Get it Done](https://sandiego.gov/get-it-done) app (sandiego.gov/get-it-done).
- 2 Be specific! Provide the light's exact location and the issue, if visible (i.e., lightbulb out, pole knocked down, damage to the pole)
- 3 Don't plant vegetation or cover up streetlight infrastructure in your yard, so that City crews can find and fix the problem quickly.
- 4 Always call Underground Service Alert at **811** before you dig (cali811.com).

Budget

Repair & Maintenance

- **Senior Electrical Engineer** added in FY2024
- **\$2.6M** streetlight installation funding in FY2023
- **\$2.3M** in maintenance and repair funding for contractual services in FY2024

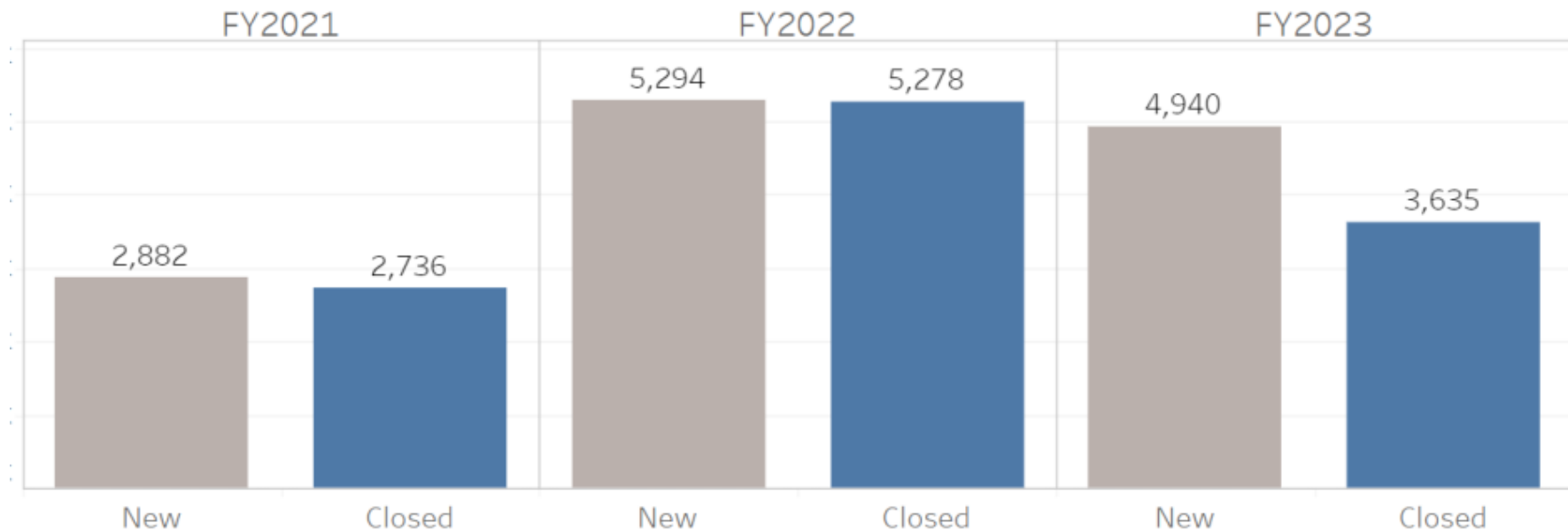
Series Circuit Upgrades

- **\$1M** funded in FY2023
- **\$3.5M** in Federal Earmarks awarded in beach areas and Logan Heights



Current Caseload

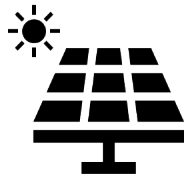
- Current streetlight repair backlog: **6,000+ cases**
- **7,000+ cases** expected by the end of FY2023
- **5,000 cases** to be closed in FY2023 with current resources



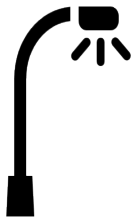
Progress



- **16 of 18** Electrician positions filled
- **2 teams** using new prioritization and planning strategy

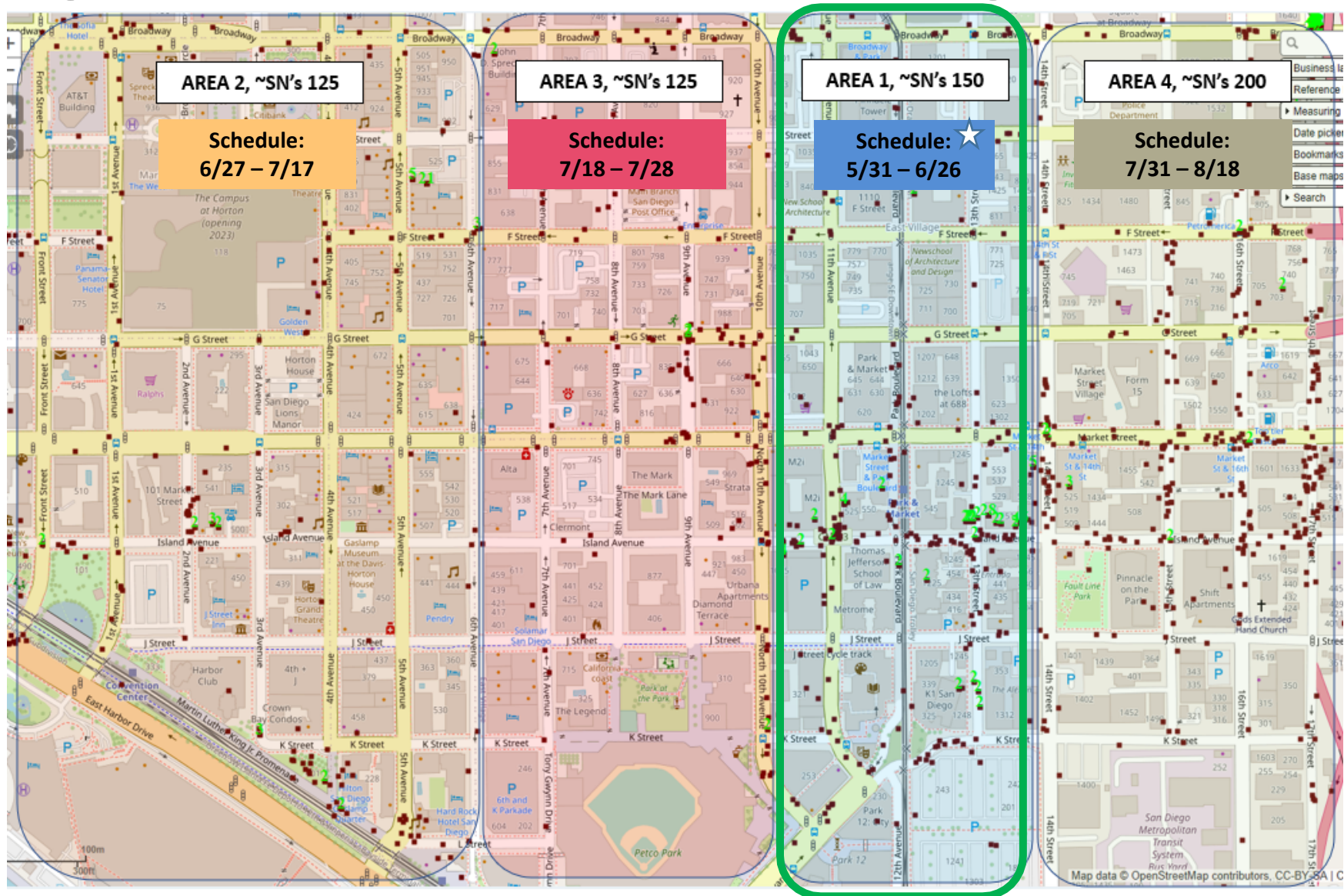


- Deploying **50** solar lights in areas with complex or delayed repairs (e.g. City Heights, Midway, Logan Heights)



- Installed over **50** tamper proof handhole covers and will double this over next 2 months with contractual work in downtown area
- Awarded contract to repair **600** streetlights in downtown, to be completed in July 2023

Progress – Downtown Streetlight Repairs



Progress – Downtown Streetlight Repairs

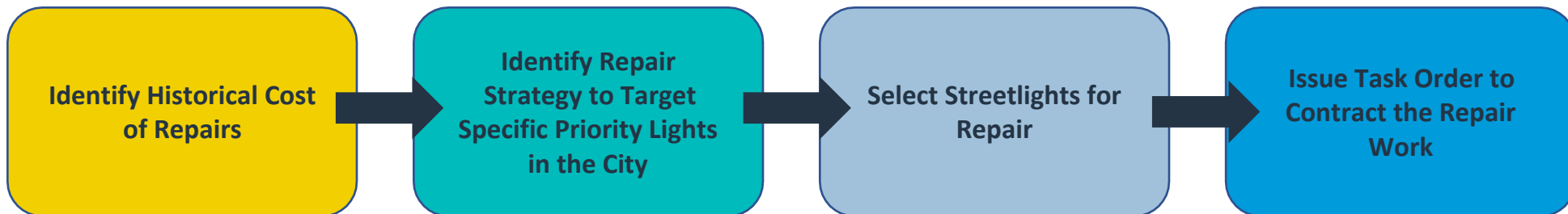
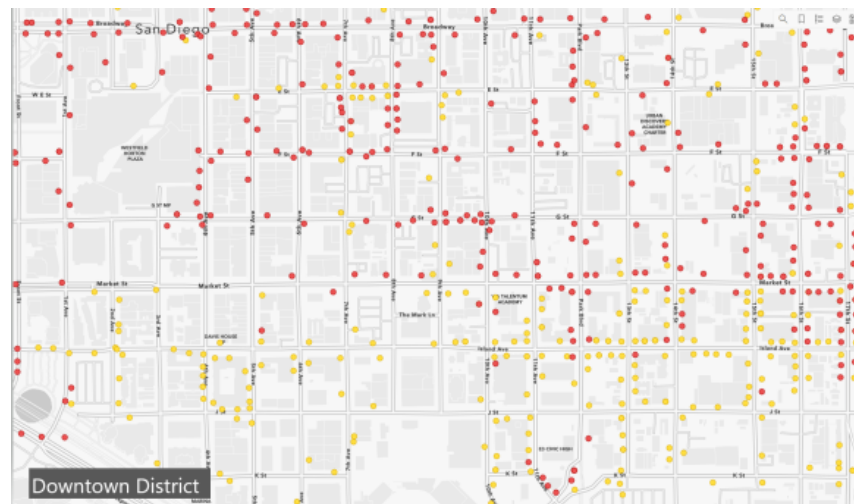
Downtown Streetlight Repairs

- Streetlights restored **306**
- Areas In Progress:
 - Area 1: 90% Completed
 - Area 2: 25% Completed
- Repairs made:
 - Fuses
 - Fuse Holders
 - Photocells
 - Damaged Wiring
 - Missing Base Covers
- Avg. cost of repairs: **\$715** per streetlight

Streetlights – Additional FY24 Funding: \$2.3M

Citywide Streetlight Repair Prioritization Process

- Current Backlog: **6,100+** Streetlight Repairs
- Goal: Reduce backlog as much as possible with additional funding. Every district will be able to benefit from contractual services for streetlight maintenance and repair.
- Next Steps: Streetlight Selection Process based on:
 - ✓ Lessons from Downtown Streetlight Maintenance Project
 - ✓ Historical Cost to Repair
 - ✓ Priority
 - ✓ Safety Areas of Concern

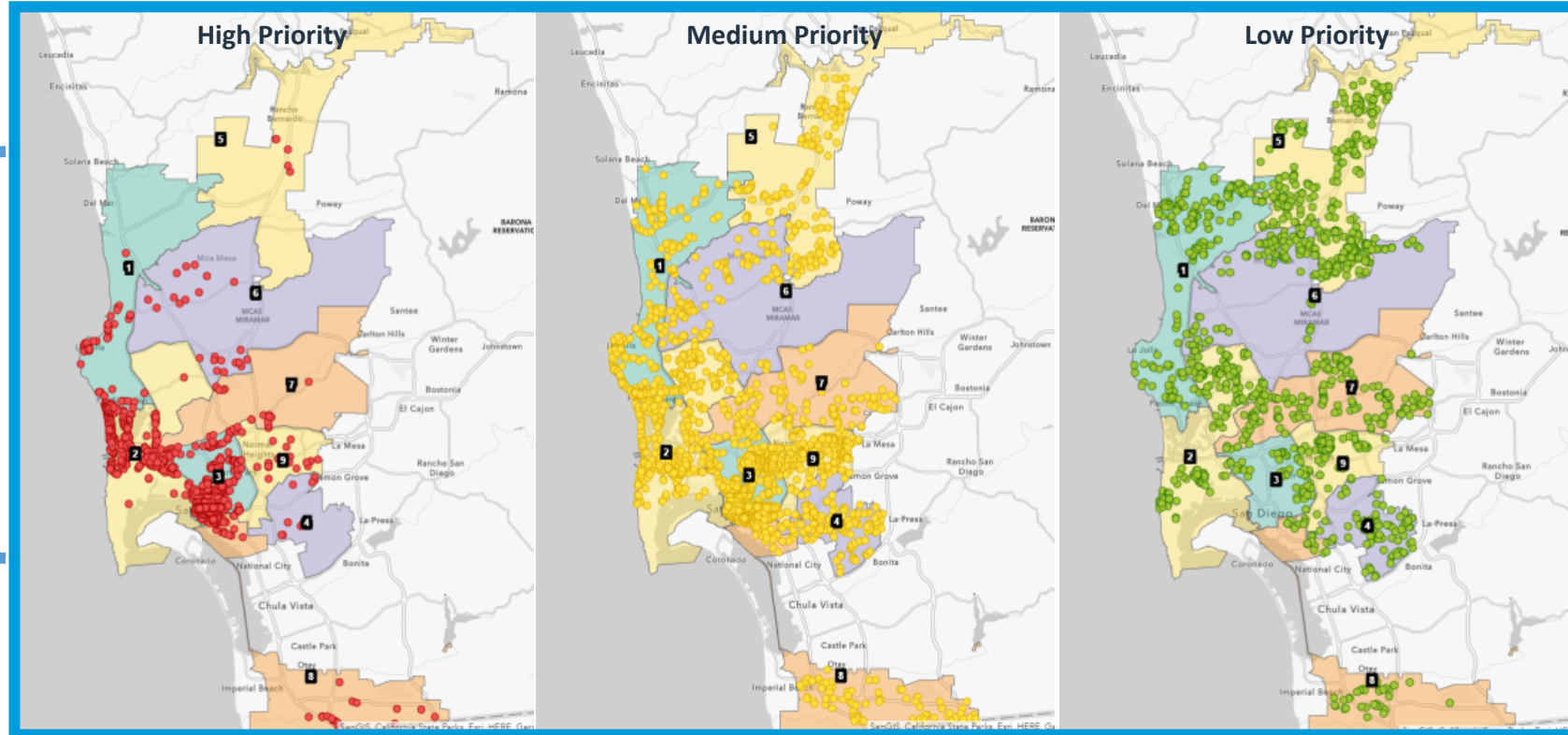


Streetlights – Repair Selection Process

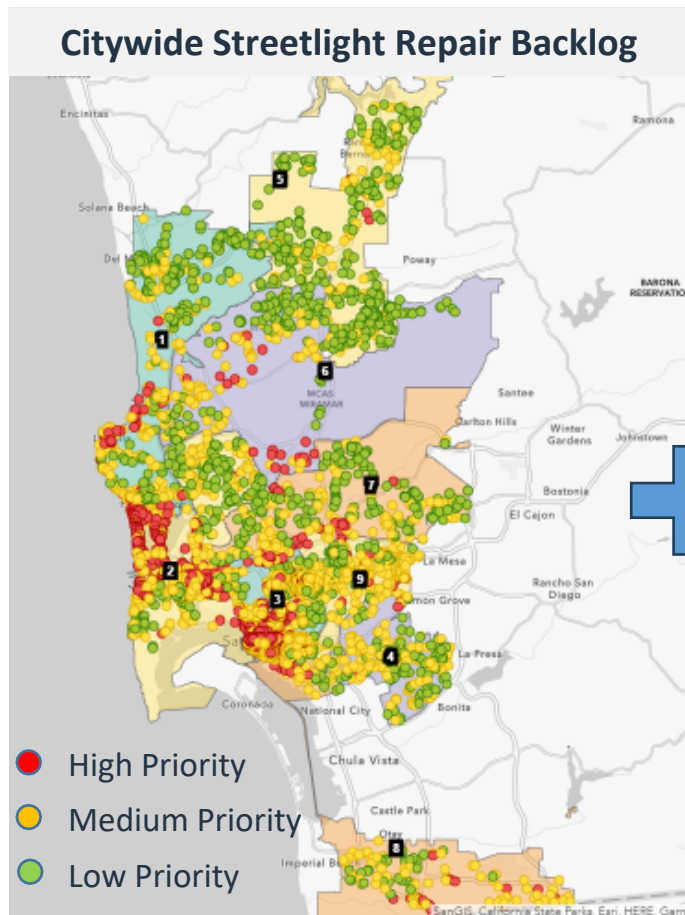
Citywide Streetlight Repair Backlog by Priority

Streetlight Safety Priority Score Criteria:

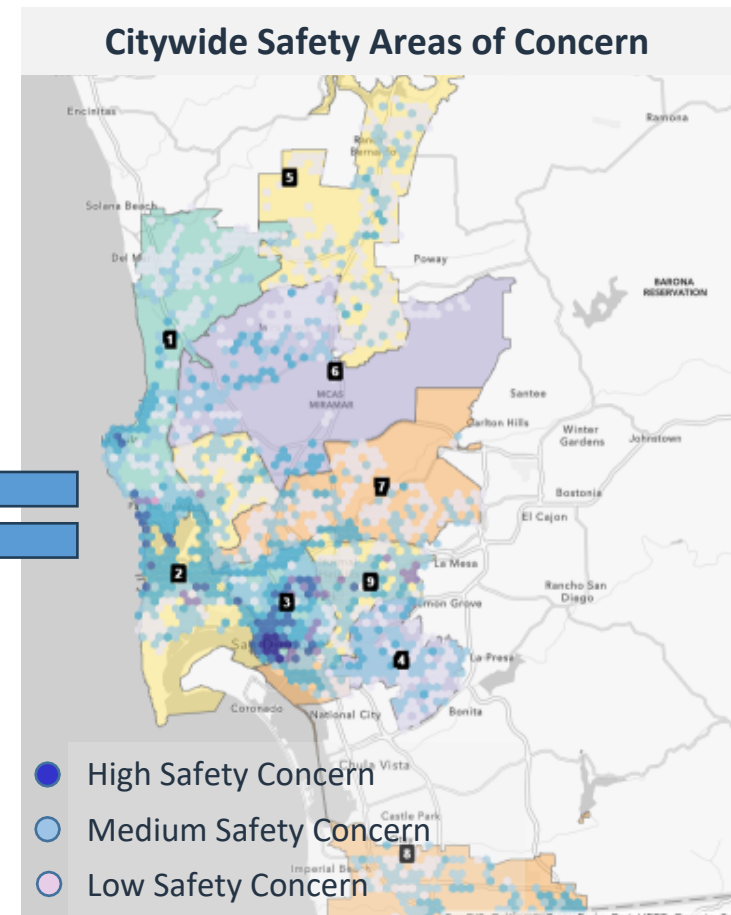
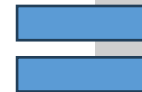
- Crime rate
- Road usage
- Block outage
- Proximity to school or park
- Collisions
- Age of notification
- Liability claims
- Historic service levels
- Communities of Concern



Streetlights – Repair Selection Process



**DENSITY
OF
OUTAGES**





Goals & Next Steps

- Procure additional **50 solar lights** in FY2024 for temporary usage
- Continue installing **tamper proof covers** on as-needed basis
- Contract out another \$2.3M for an estimated **2,100 streetlight repairs** in FY2024
- Continue to fund **2 Series Circuit Replacement** CIP projects annually



Questions?