

CITY OF ANAHEIM
UNDERGROUND CONVERSION SUBCOMMITTEE
AGENDA

NOVEMBER 20, 2024
3:45 P.M.

The Regular Meeting of the Underground Conversion Subcommittee is scheduled for Wednesday, November 20, 2024, at 3:45 p.m., in Anaheim West Tower, 7th Floor Large Conference Room, 201 S. Anaheim Boulevard, Anaheim, California 92805. Any writings or documents provided to a majority of the Underground Conversion Subcommittee regarding any item on this Agenda (other than writings legally exempt from public disclosure) are available for review on the 7th Floor of Anaheim West Tower, located at 201 S. Anaheim Boulevard, Anaheim, California during regular business hours (Mon-Fri 8AM-5PM) or online at <http://anaheim.net/DocumentCenter/View/3776/Underground-Conversion-Subcommittee-Meeting-Agenda?bidId>.

PUBLIC PARTICIPATION: The following options are available to the public regarding public participation on any agenda items or matters within the jurisdiction of the Subcommittee: 1) Members of the public can submit comments electronically for Underground Conversion Subcommittee Member consideration by sending them to SFriedemann@anaheim.net. **To ensure distribution to the Underground Conversion Subcommittee prior to consideration of the agenda items or matters under the jurisdiction of the Subcommittee, please submit comments prior to 12:00 P.M. the day of the meeting.** Those comments will be distributed to the Underground Conversion Subcommittee and will be made part of the official public record of the meeting. Contact the Public Utilities Electrical Engineering Office at 714-765-4241 or SFriedemann@anaheim.net with any questions. 2) Members of the public can provide in-person comments in the 7th Floor Large Conference Room located at Anaheim West Tower.

Meeting Call to Order

1. Public Comments: Members of the public may submit comments electronically for the Subcommittee's consideration, provide in-person comments on any item under the jurisdiction of the Subcommittee, or provide public comments on any agenda item. When recognized by the Chairperson, please state your name and address for the record. The time limit established by the Subcommittee for speakers is three minutes per speaker.
2. Approval of the Minutes of the Underground Conversion Subcommittee Meeting of August 28, 2024.
3. Elections of Underground Conversion Subcommittee Chairperson and Vice Chairperson.
4. Underground Conversion Project Notification Process.
5. Proposal and Consideration of Candidate Projects for Fiscal Year 2025/26 Five-Year Underground Conversion Plan.
6. Next meeting date (proposed – February 26, 2025).
7. Item(s) by City staff.
8. Item(s) by Underground Conversion Subcommittee Members:

Vice-Chair Mr. Lee

Ms. Kring

Ms. Bilezikjian

Mr. Pham

Mr. Perez

9. Adjournment. (Next Regular Meeting of February 26, 2025, at 3:45 p.m.)

The City of Anaheim wishes to make all of its public meetings and hearings accessible to all members of the public. The City prohibits discrimination on the basis of race, color, or national origin in any program or activity receiving Federal financial assistance.

If requested, the agenda and backup materials will be made available in appropriate alternative formats to persons with a disability as required by Section 202 of the Americans with Disabilities Act of 1990 (42 U.S.C. Section 12132), and the Federal Rules and Regulations adopted in implementation thereof.

Any person who requires a disability-related modification or accommodation, including auxiliary aids or services, may request such modification, accommodation, aid, or service by contacting the Public Utilities Electrical Engineering office by telephone at (714) 765-5156, no later than 10:00 a.m. on the day preceding the scheduled meeting.

I certify that a complete copy of this agenda was posted by 5:00 p.m. on November 13, 2024, at Anaheim West Tower:

Signed: Sharon Friedemann
Sharon Friedemann – Senior Secretary

**CITY OF ANAHEIM
UNDERGROUND CONVERSION SUBCOMMITTEE**

MINUTES

AUGUST 28, 2024

The Agenda was posted on Thursday, August 22, 2024. The regular meeting of the Underground Conversion Subcommittee was called to order at 3:45 p.m. on Wednesday, August 28, 2024 at Anaheim West Tower, 7th Floor Large Conference Room, 201 S. Anaheim Blvd., Anaheim, California.

Subcommittee Members Present: Vice-Chairperson Mitch Lee, Anh Pham, Lucille Kring and LuisAndres Perez

Subcommittee Members Absent: Tanya Bilezikjian

Staff Present: Janet Lonneker, Teresa Chen, Vinh Tran, Sharon Friedemann, Carlos Castellanos, Dave Mori and Nick Taylor

Members of Public Present: None

<u>AGENDA ITEM</u>	<u>ACTION TAKEN</u>
1. PUBLIC COMMENTS.	
Vice-Chairperson M. Lee asked if any public comments were submitted electronically. No public comments were submitted electronically, and no members of the public were present at the meeting.	Vice-Chairperson M. Lee closed the public comments portion of the meeting.
2. APPROVAL OF THE MINUTES OF THE UNDERGROUND CONVERSION SUBCOMMITTEE MEETING OF MAY 22, 2024.	
Vice-Chairperson M. Lee called for the approval of the Meeting Minutes from the May 22, 2024 meeting.	L. Kring moved approval of the May 22, 2024 meeting minutes. L. Perez seconded the motion. MOTION CARRIED: 4-0 ABSTAINED: 0 ABSENT: 1

AGENDA ITEM

ACTION TAKEN

3. ELECTIONS OF UNDERGROUND CONVERSION SUBCOMMITTEE CHAIRPERSON AND VICE CHAIRPERSON

T. Chen, Deputy City Attorney, explained the process to nominate and elect the Chairperson and Vice-Chairperson for the Underground Conversion Subcommittee. Vice-Chairperson M. Lee suggested postponing nominations to the next regular scheduled meeting since the full Subcommittee was not present.

L. Kring motioned to open nominations to elect a new Chairperson and Vice-Chairperson. A. Pham seconded the motion. L. Andres motioned to postpone nominations to the next regularly scheduled meeting tentatively set for November 20, 2024. Vice-Chairperson M. Lee seconded the motion.
MOTION CARRIED: 4-0
ABSTAINED: 0
ABSENT: 1

4. UNDERGROUND CONVERSION PROJECT'S OVERVIEW AND PROCESS.

V. Tran, Electrical Capital Projects Manager, presented an overview of the underground conversion project process and the estimated timeline associated with the engineering design, permitting and coordination with other agencies, construction, and final roadway restoration for a typical underground conversion project.

No Action Taken by the Subcommittee.

5. PROPOSAL AND CONSIDERATION OF CANDIDATE PROJECTS FOR FISCAL YEAR 2025/26 FIVE-YEAR UNDERGROUND CONVERSION PLAN.

V. Tran presented twelve candidate projects, two per Council District, for FY 2025/26 Five-Year Underground Conversion Plan for the Subcommittee's consideration. The proposed candidate projects include Ball from west city limit to Magnolia, Gilbert, Muller/Crescent, Ball from Magnolia to Brookhurst, Harbor/Cypress, Santa Ana/Harbor, Ball/Anaheim, Ninth/Cerritos, Wagner, Romneya, Nohl Ranch/Canyon, Miraloma/Tustin.

No Action Taken by the Subcommittee.

AGENDA ITEM

ACTION TAKEN

V. Tran explained that staff will evaluate these twelve projects and present additional details to the Subcommittee at the November 2024 meeting so the Subcommittee can identify the projects to select for further consideration.

6. NEXT MEETING DATE.

The Subcommittee members are available for the next Regular Meeting of the Underground Conversion Subcommittee on November 20, 2024.

7. ITEM(S) BY UNDERGROUND CONVERSION STAFF.

V. Tran thanked A. Abdulrahman for nine years of contribution and leadership while serving as Chairperson on the Subcommittee and made a great impact on the direction of Underground Conversion Program.

8. ITEM(S) BY UNDERGROUND CONVERSION SUBCOMMITTEE MEMBERS.

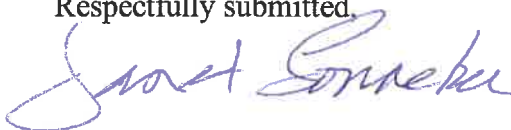
No comments.

9. ADJOURNMENT TO THE NEXT REGULAR MEETING DATE.

Vice-Chairperson M. Lee called for a motion to adjourn.

L. Kring motioned to adjourn the meeting to the Subcommittee's Regular Meeting date of November 20, 2024 at 3:45 p.m. A. Pham seconded the motion.
MOTION CARRIED: 4-0
ABSTAINED: 0
ABSENT: 1

Respectfully submitted,



Janet Lonneker
Assistant General Manager – Electric Services



FY 2025/26 UNDERGROUND CONVERSION FIVE-YEAR PLAN CANDIDATE PROJECTS

UGC SUBCOMMITTEE
NOVEMBER 20, 2024



ANAHEIM
PUBLIC UTILITIES



PROJECT UPDATES



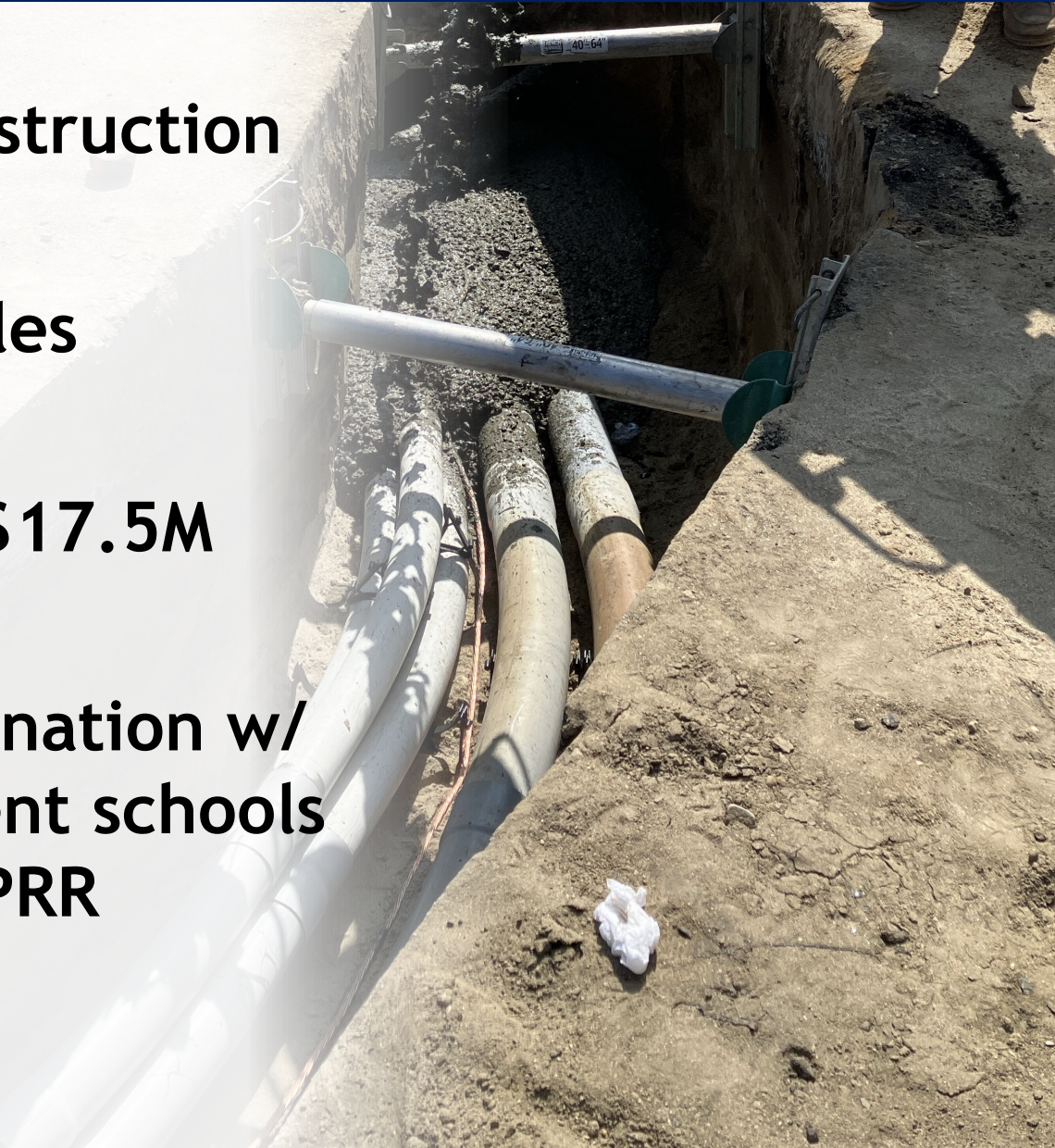
BEACH BLVD (D1)

- In Construction
- 1.5 Miles
- Cost: \$27.2M
- Coordination w/
Caltrans, PW, SCE,
Flood Control,
Telcos and
Developments

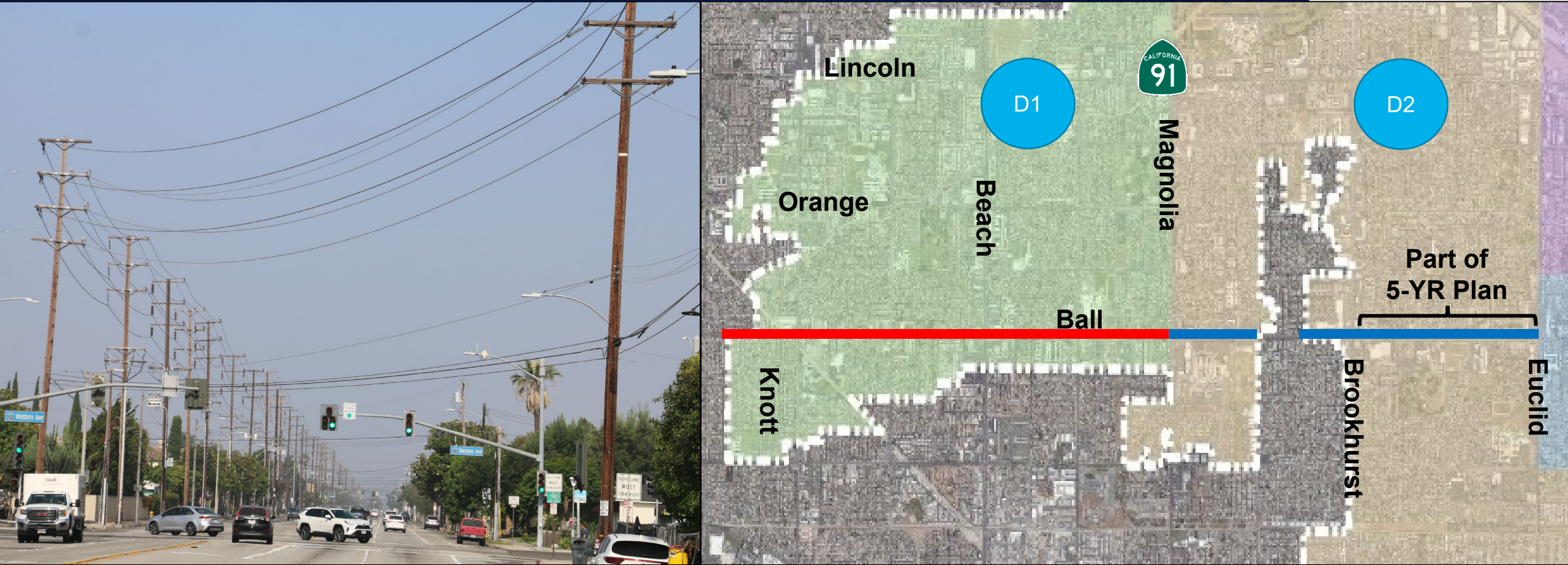


CERRITOS/NUTWOOD (D2)

- In Construction
- 1.8 Miles
- Cost: \$17.5M
- Coordination w/
adjacent schools
and UPRR

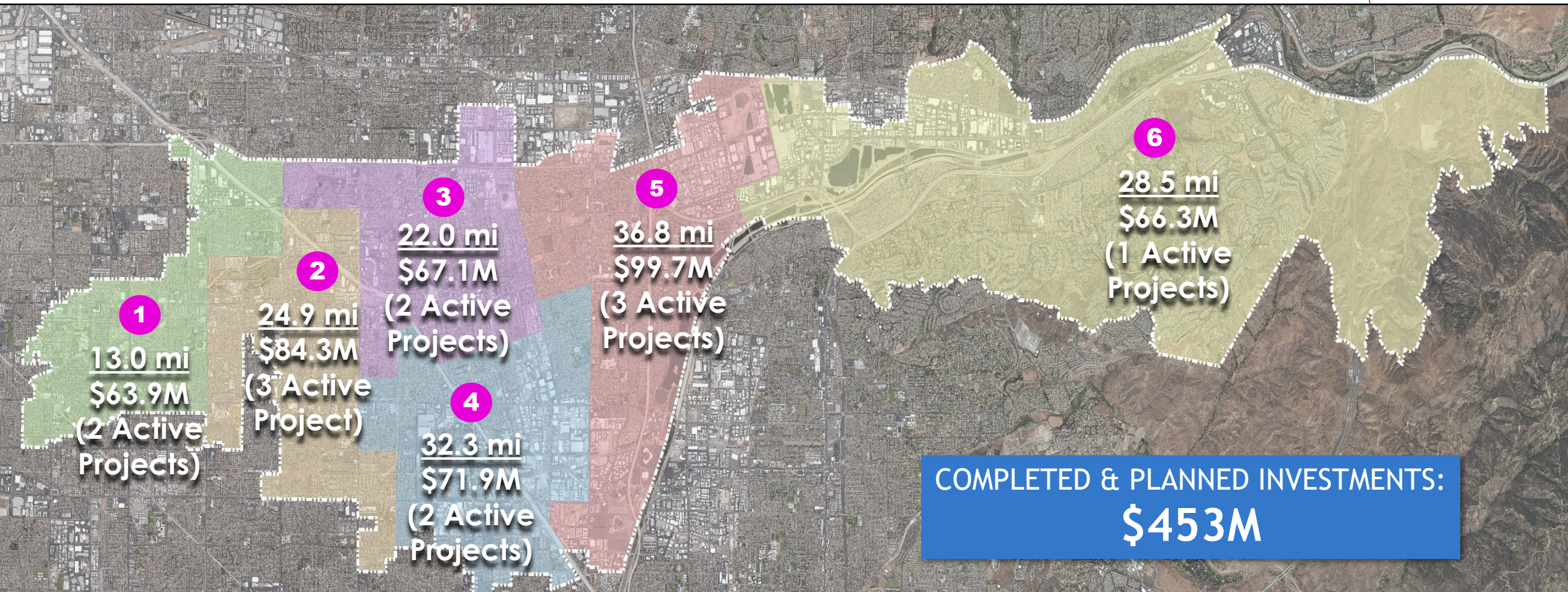


GRANT SUBMISSION UPDATE



- U.S. Department of Energy Grant Application: \$83M (\$125M Project Total)
- Scope: Undergrounding (APU, SCE, and telecom) and Automation Technology
- Application was not selected for funding.

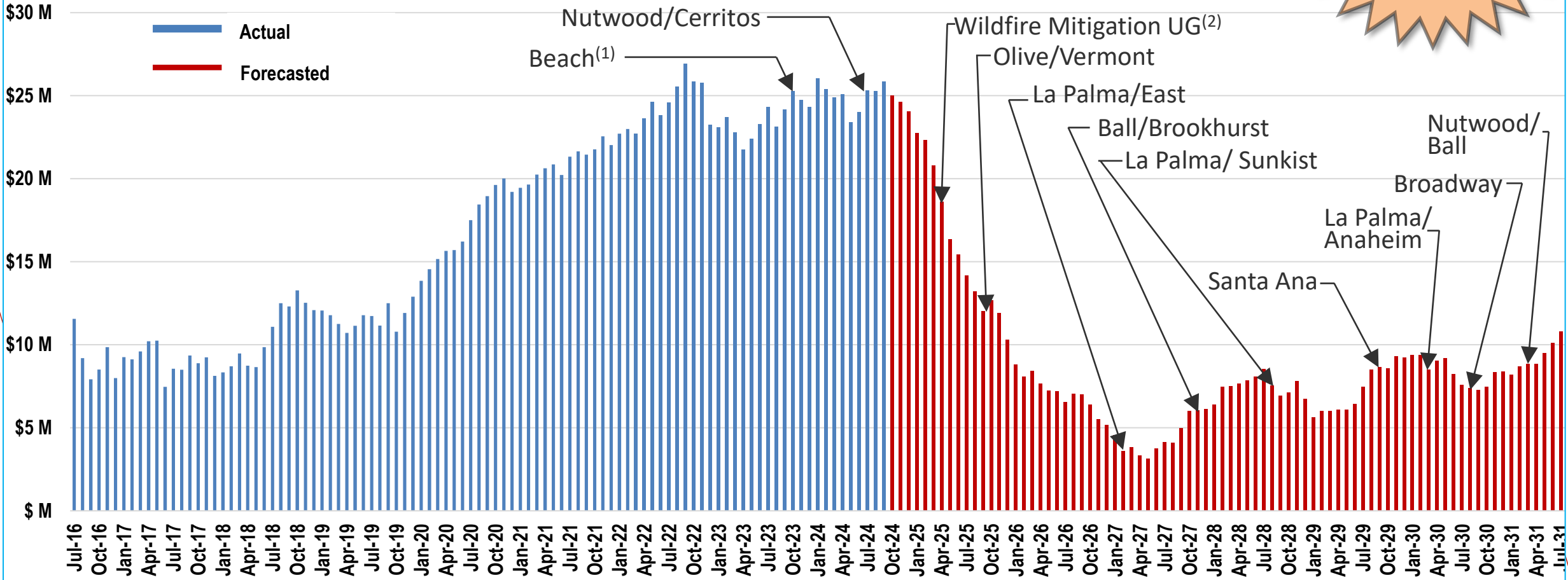
COMPLETED & PLANNED INVESTMENTS



CASH FLOW

UGC Cash Balance:
Approx. \$25.9M

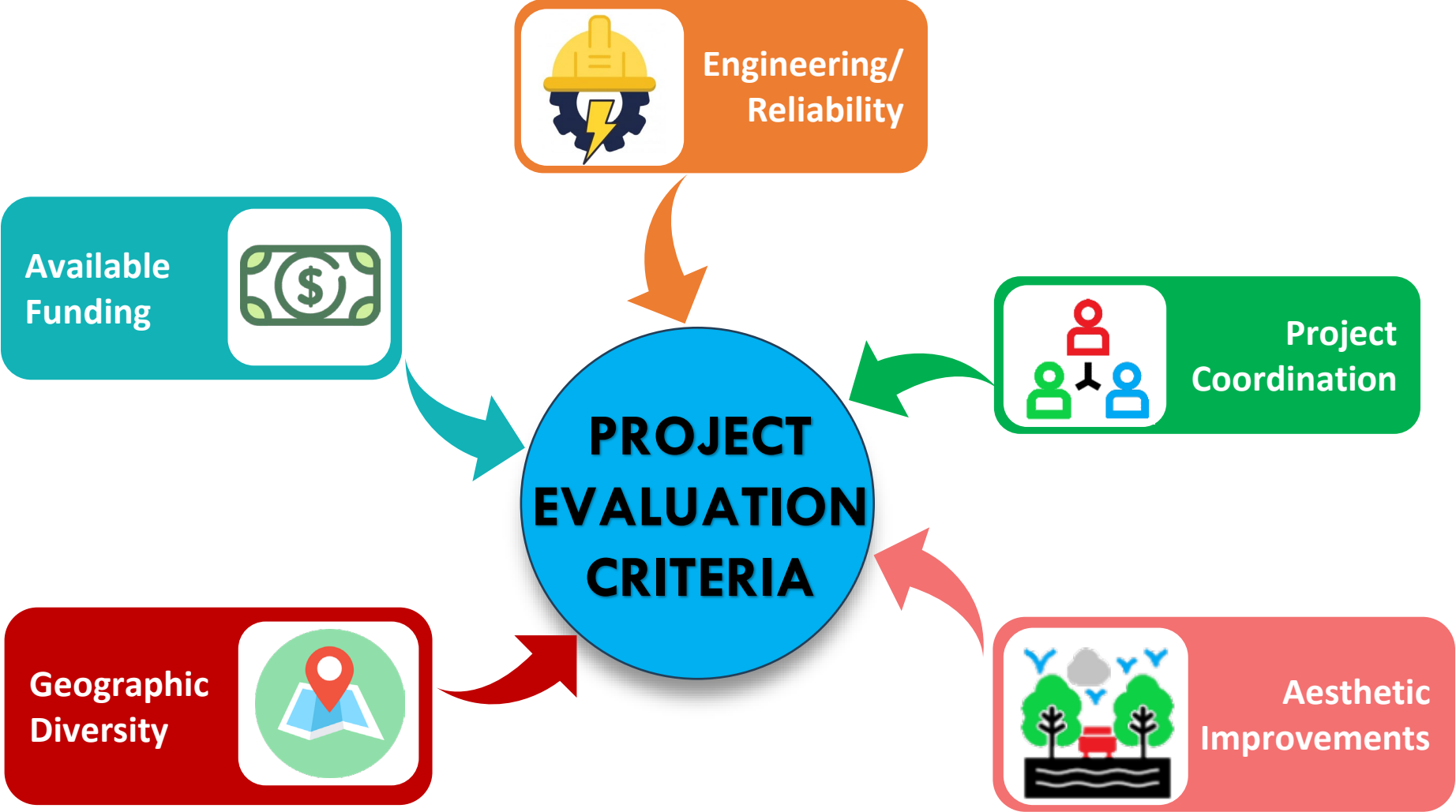
UNDERGROUND CASH ACCOUNT BALANCE
Actuals thru September 2024



Superscripts: ⁽¹⁾ Estimate \$6M to underground SCE overhead facilities for Beach

⁽²⁾ 75% FEMA reimbursement factored into the Wildfire Mitigation UG project

PROJECT SELECTION CRITERIA



(DISTRICT 1) PROPOSED PROJECT: GILBERT

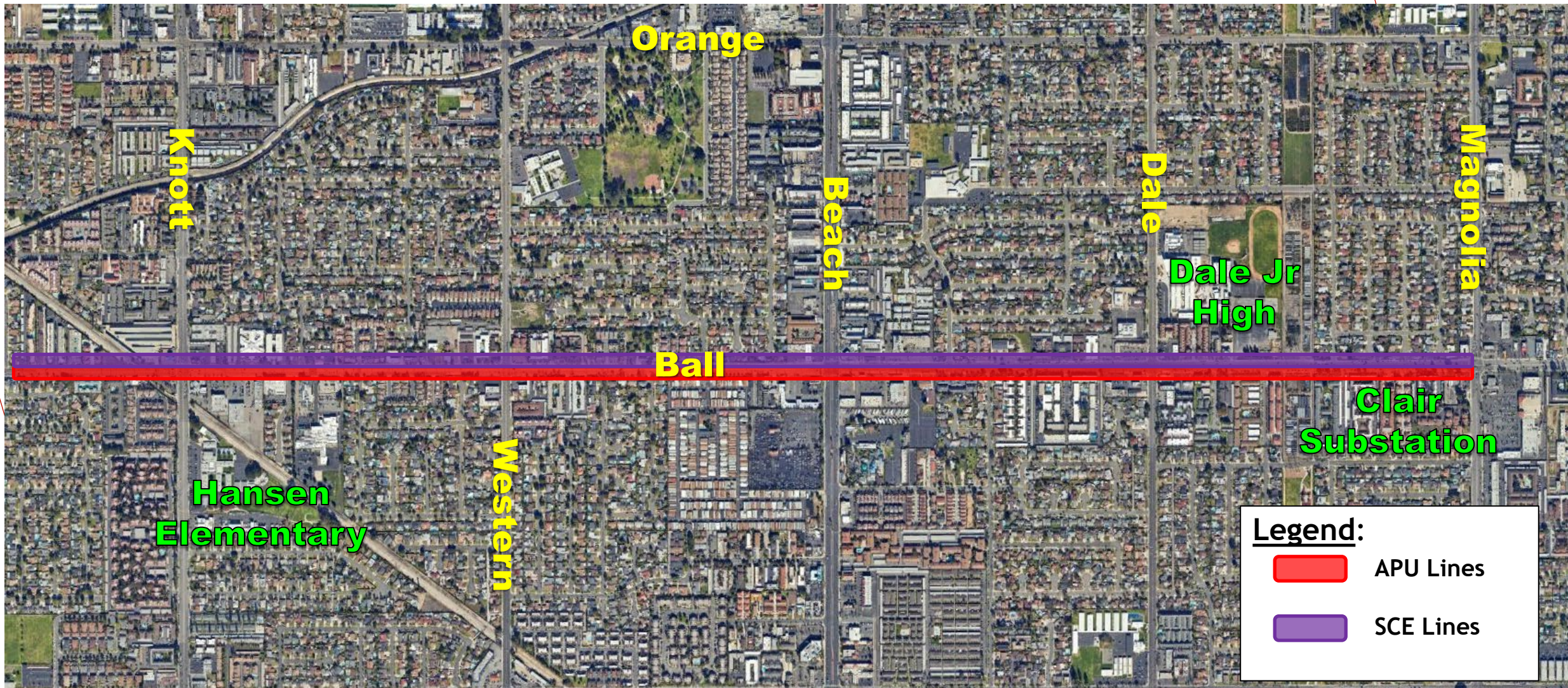


(DISTRICT 1) PROPOSED PROJECT: GILBERT

- **Gilbert, La Palma to Crescent**
- **Construction: \$12.5M**
- **2.0 Miles**
- **SCE Transmission & Distribution on La Palma and Crescent**



(DISTRICT 1) PROPOSED PROJECT: BALL/KNOTT

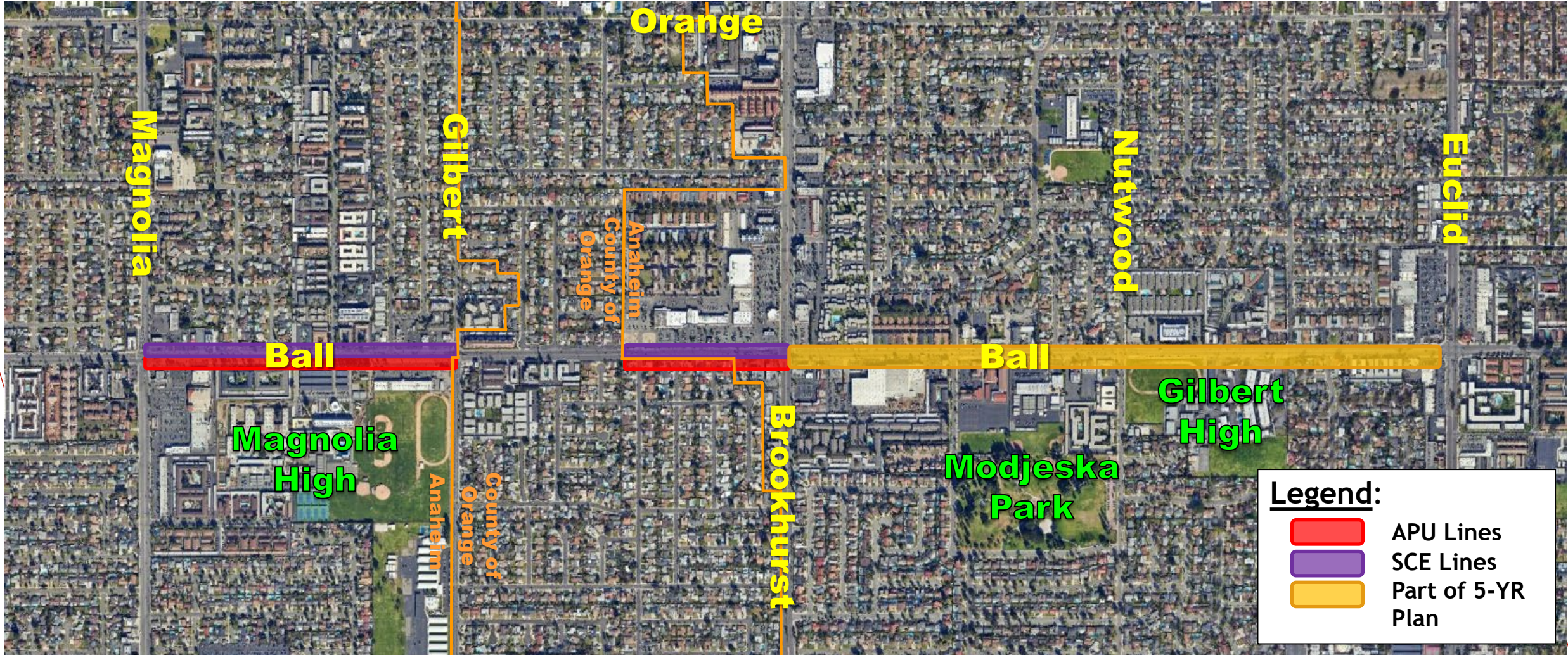


(District 1) Proposed Project: Ball/Western

- Ball, w/o Knott to Magnolia
- Construction:
 - APU: \$23M
 - SCE: \$39M
- 2.5 Miles
- SCE Transmission & Distribution
- Flood Channel Crossing



(DISTRICT 2) PROPOSED PROJECT: BALL/MAGNOLIA



(District 2) Proposed Project: Ball/Magnolia

- **Ball, Magnolia to Euclid
(Exclude County Portion)**
- **Construction:**
 - APU: \$18M**
 - SCE: \$8M**
- **1.75 Miles**
- **SCE Distribution**



(DISTRICT 2) PROPOSED PROJECT: MULLER/CRESCENT WAY



(District 2) Proposed Project: Muller/ Crescent Way

- Muller, Crescent Way to Lincoln; Crescent Way, Muller to Lincoln
- Construction: \$10M
- 1 Mile
- SCE Transmission Lines on Crescent Ave & Crescent Way



(DISTRICT 3) PROPOSED PROJECT: HARBOR/CYPRESS



(D3) PROPOSED PROJECT: HARBOR/ CYPRESS

- Harbor, Cypress to La Palma
- Construction: \$15M
- 1.8 Miles
- SCE Transmission Lines from North to La Palma



(DISTRICT 3) PROPOSED PROJECT: SANTA ANA



(District 3) Proposed Project: Santa Ana

- **Santa Ana, Freeway 5 to Harbor**
- **Construction: \$15M**
- **1.8 Miles**
- **Freeway & Railroad Crossings**



(DISTRICT 4) PROPOSED PROJECT: BALL/ANAHEIM



(DISTRICT 4) PROPOSED PROJECT: BALL/ ANAHEIM

- Ball Rd. from e/o Anaheim to State College
- Construction: \$13M
- 1.5 Miles
- Railroad crossings



(DISTRICT 4) PROPOSED PROJECT: NINTH/CERRITOS

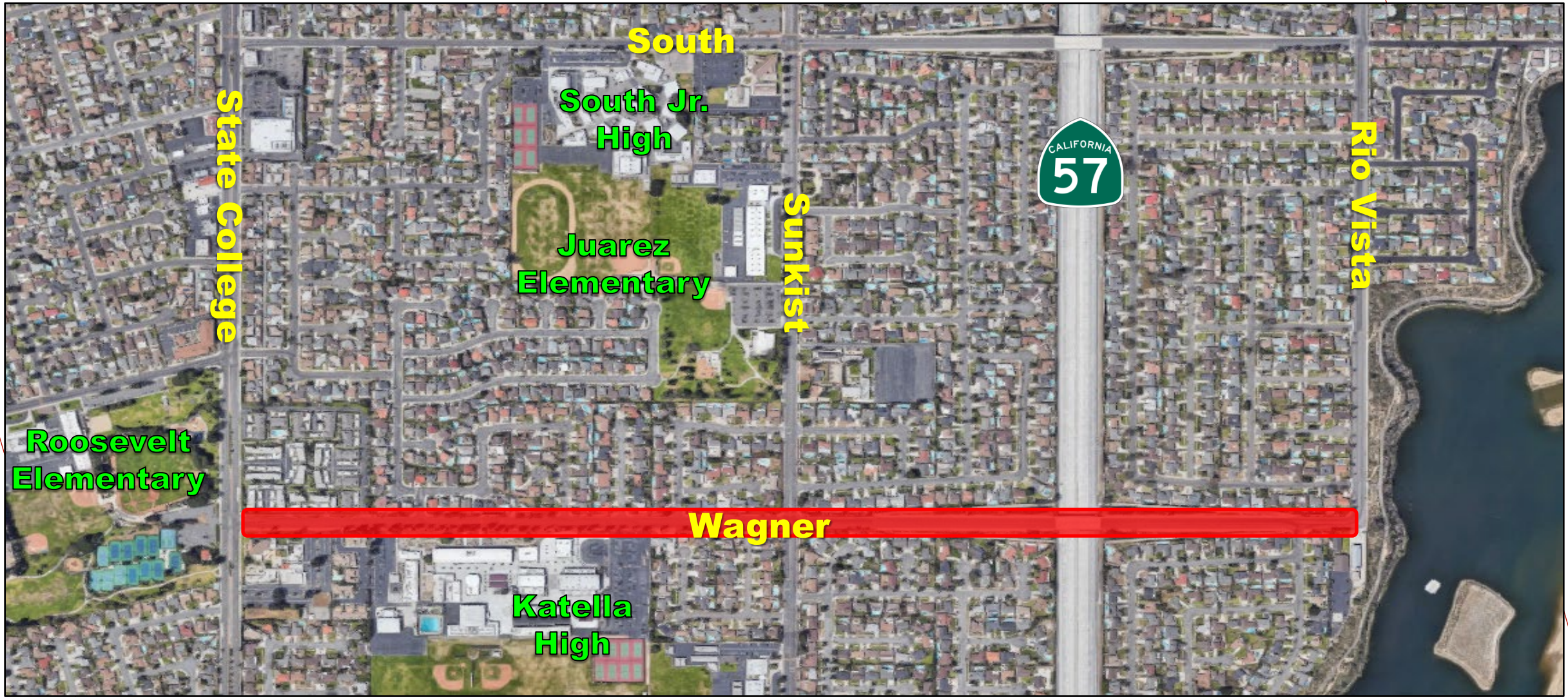


(DISTRICT 4) PROPOSED PROJECT: NINTH/ CERRITOS

- Ninth, Orangewood to Cerritos; Cerritos, Ninth to Walnut;
- Construction: \$12.5M
- 1.25 Miles
- SCE Distribution Lines on Orangewood
- Railroad Crossing



(DISTRICT 5) PROPOSED PROJECT: WAGNER

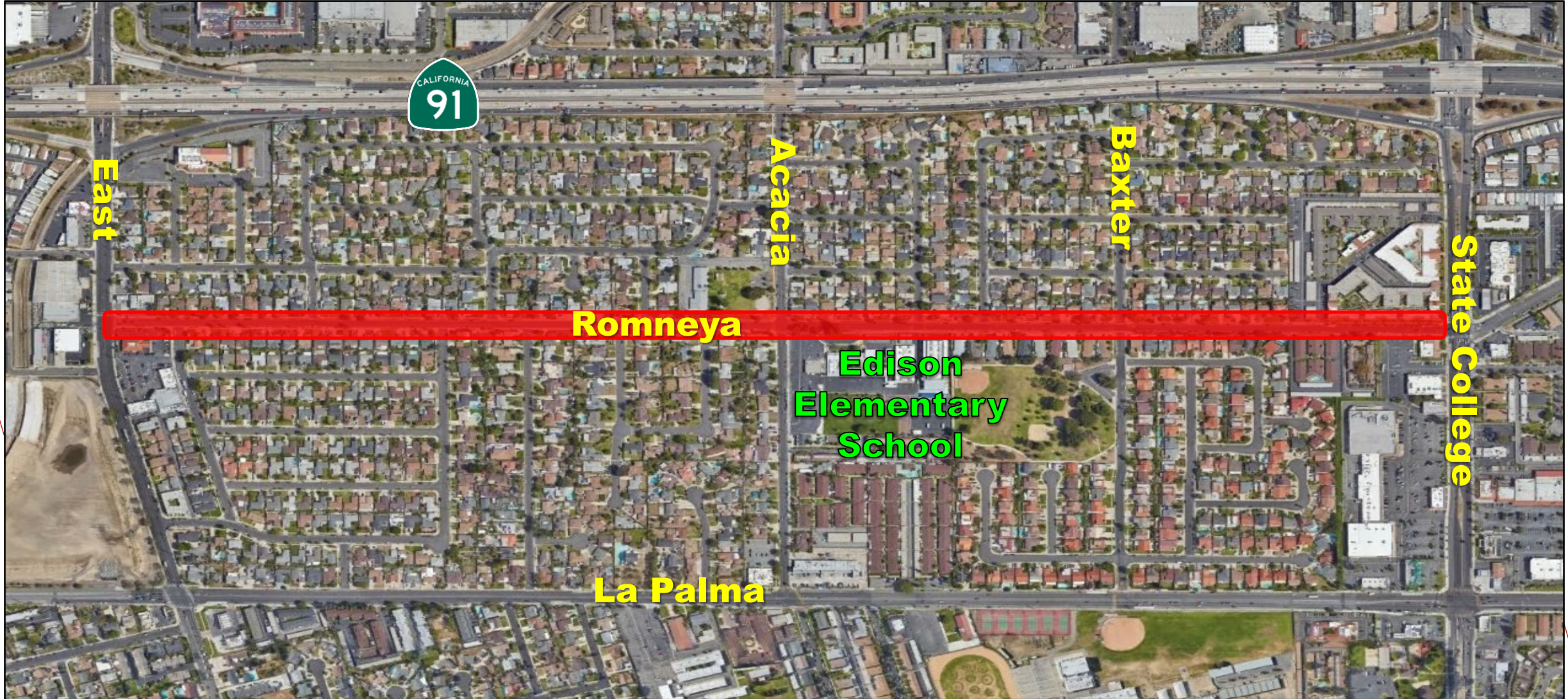


(DISTRICT 5) PROPOSED PROJECT: WAGNER

- Wagner, State College to Rio Vista
- Construction: \$12M
- 1.5 Miles
- Freeway Crossing



(DISTRICT 5) PROPOSED PROJECT: ROMNEYA



(DISTRICT 5) PROPOSED PROJECT: ROMNEYA

- Romneya, East to State College
- Construction: \$8.5M
- 1 Mile



(DISTRICT 6) PROPOSED PROJECT; NOHL RANCH/CANYON



(DISTRICT 6) PROPOSED PROJECT: NOHL RANCH/ CANYON

- Nohl Ranch: Black Oak to Villa Real
- Nohl Canyon: Nohl Ranch to Santa Ana Canyon Rd
- Construction: \$7.7M
- 0.9 Miles



(DISTRICT 6) PROPOSED PROJECT: MIRALOMA/TUSTIN

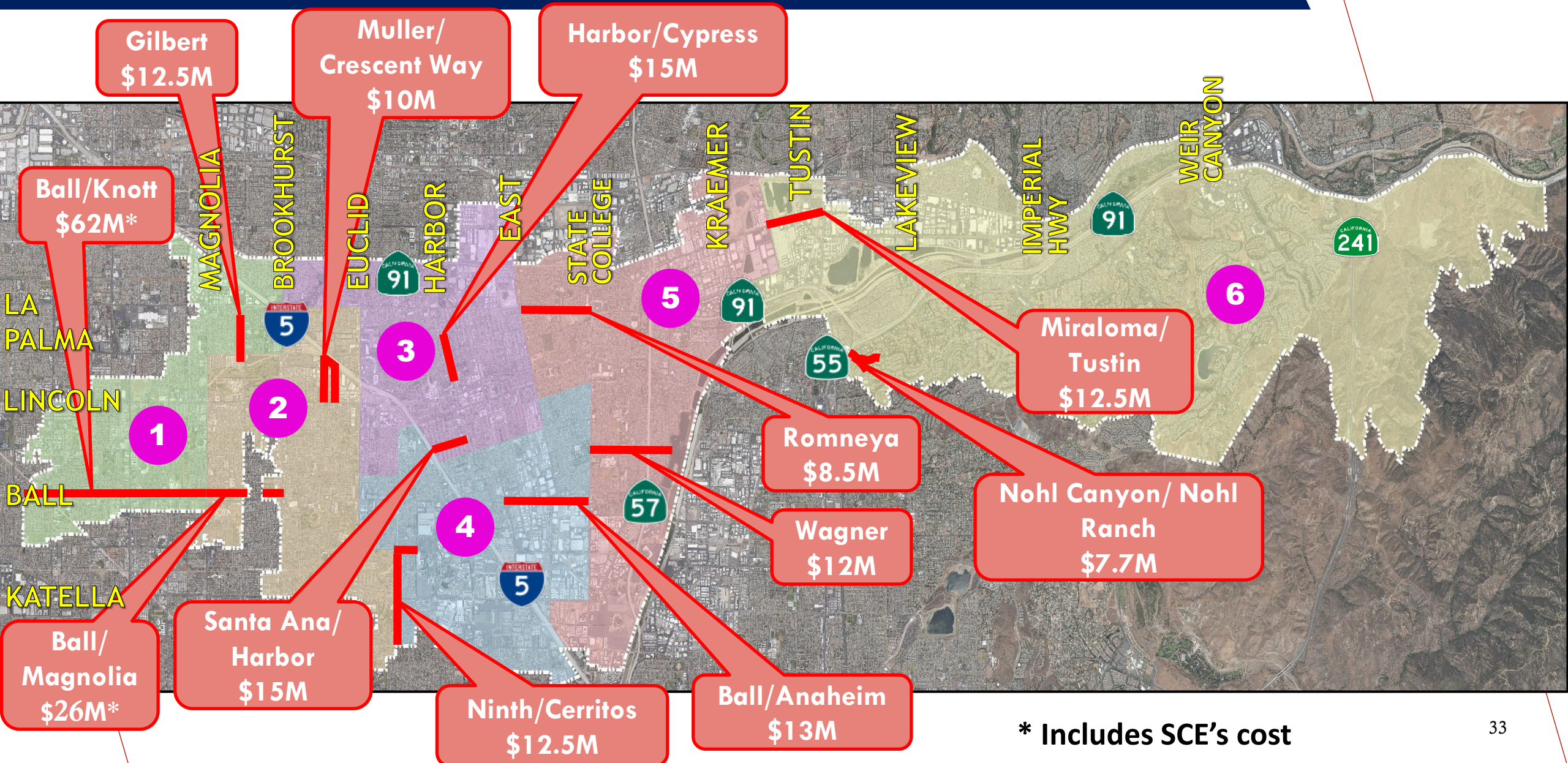


(District 6) Proposed Project: Miraloma/ Tustin

- **Miraloma, Miller to
Jefferson**
- **Construction: \$12.5M**
- **1.6 Miles**



FY 2025/26 UGC CANDIDATE PROJECTS




* Includes SCE's cost

PROJECT EVALUATION MATRIX

Criteria	Project Coordination	Reliability	Aesthetics	Geographic Diversity	Funding (Project Cost)
High	<ul style="list-style-type: none"> Street widening or priority corridor 	<ul style="list-style-type: none"> Near-term upgrades for reliability/capacity eliminate multiple crossings over freeways, railroads & flood channels 	<ul style="list-style-type: none"> High concentration of wires with multiple circuits; major street; no SCE lines 	<ul style="list-style-type: none"> No recent active/completed projects within area 	<ul style="list-style-type: none"> Fits within projected cash flow (below \$8M)
Med	<ul style="list-style-type: none"> Street rehab, other utility or city project 	<ul style="list-style-type: none"> Future Overhead upgrades Create new circuit tie points 	<ul style="list-style-type: none"> Small Residential, Commercial corridor; SCE line crossing 	<ul style="list-style-type: none"> Adjacent to another project already in 5-Yr Plan 	<ul style="list-style-type: none"> Requires two-year funding (\$8-13M)
Low	<ul style="list-style-type: none"> No electrical impact or recent repaving 	<ul style="list-style-type: none"> No planned overhead upgrades or unfeasible to underground (e.g. along riverbed) 	<ul style="list-style-type: none"> Minimal overhead lines or SCE lines along project 	<ul style="list-style-type: none"> High Dollar Investment / No. of projects already in 5-Yr Plan Projects currently active or recently completed within the area 	<ul style="list-style-type: none"> Requires multi- year funding (\$13M+)

PROPOSED UG DISTRICT SELECTION

Council District	Proposed Projects	Project Coordination	Reliability	Aesthetics	Geographic Diversity	Funding (\$)
1	Gilbert	Future Sewer Replacement; Future street improvement project	Undergrounds transmission & distribution circuits	SCE Lines to remain on La Palma & Crescent	UG in construction on Beach Blvd	\$12.5M
	Ball/Knott	Future street improvement project; future sewer improvement	Eliminate Flood Channel crossing; Tie points with previous UG projects	Poles congested – high concentration of OH wires undergrounded including SCE's	UG in construction on Beach Blvd	\$62M
2	Ball/Magnolia	Future street improvement project	Tie points with previous UG projects	Poles congested – high concentration of OH wires undergrounded including SCE's	UG in construction on Cerritos/Nutwood	\$26M
	Muller/Crescent Way	Future Sewer Replacement; Future street improvement	Add circuit capacity for future electrification	SCE lines to remain on Crescent Way	UG in construction on Cerritos/Nutwood	\$10M
3	Harbor/Cypress	Future street improvement project	Tie points with previous UG project	SCE lines to remain from North to La Palma	UG recently completed on Sycamore	\$15M
	Santa Ana/ Harbor	None	Eliminates freeway & railroad crossings; Tie points with previous UG projects	Poles congested – high concentration of OH wires undergrounded	UG recently completed on Sycamore	\$15M

Priority: Low  Med  High 

PROPOSED UG DISTRICT SELECTION

Council District	Proposed Projects	Project Coordination	Reliability	Aesthetics	Geographic Diversity	Funding (\$)
4	Ball/Anaheim	Future street improvement project	Undergrounds transmission & distribution circuits	Poles congested – high concentration of OH wires undergrounded	UG design on Olive/Vermont in progress	\$13M
	Ninth/Cerritos	Future street improvement project	Undergrounds transmission & distribution circuits	Poles congested – high concentration of OH wires undergrounded	UG design on Olive/Vermont in progress	\$12.5M
5	Wagner	Future street improvement project	Eliminates one freeway crossing	Residential area	UG design on La Palma/East in progress	\$12M
	Romneya	None	Tie points with previous UG project	Residential area	UG design on La Palma/East in progress	\$8.5M
6	Nohl Ranch/ Nohl Canyon	Future street improvement project	Future overhead upgrades	Residential area	SACR UG previously completed; Wildfire Mitigation UGC in progress	\$7.7M
	Miraloma/Tustin	Future street improvement project	Future overhead upgrades	Poles congested – high concentration of OH wires undergrounded	SACR UG previously completed; Wildfire Mitigation UGC in progress	\$12.5M

Priority: Low  Med  High 

APPROVAL PROCESS

