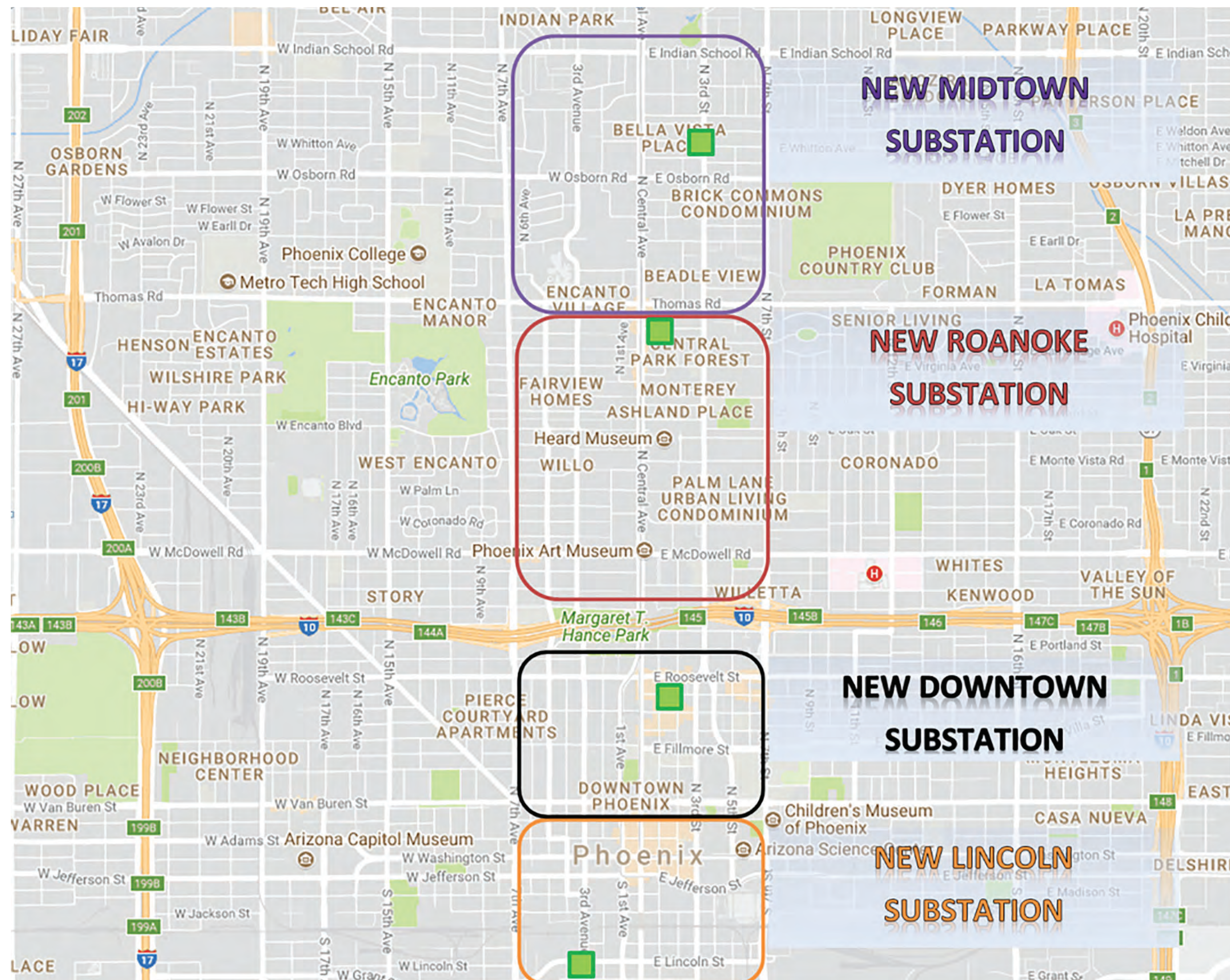


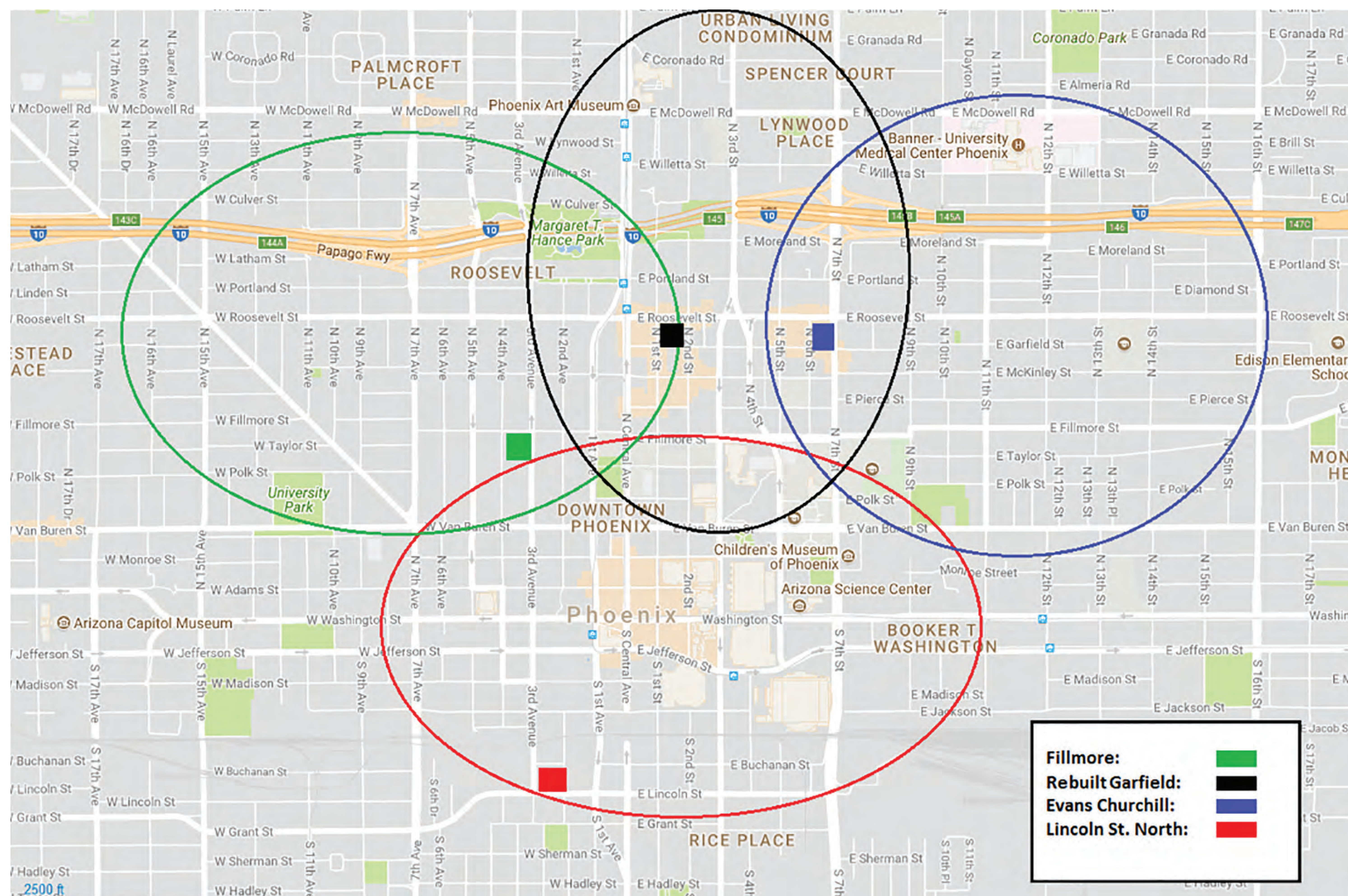
Welcome

Please Sign-in

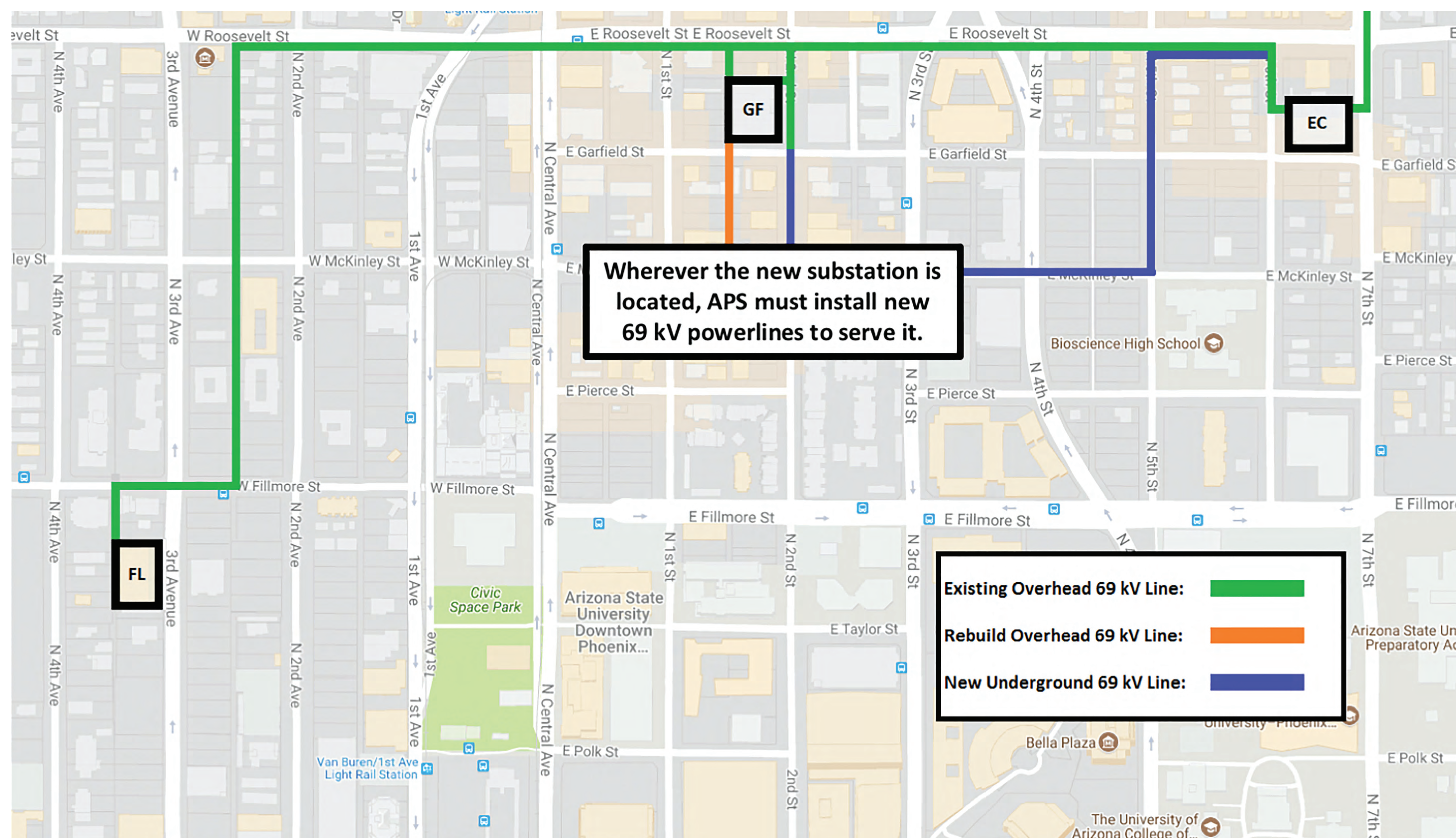
New Network General Boundaries



General Radial Substation Coverage



New Substation will be Served by Redundant 69 kV Transmission Lines



Downtown Substation's Distribution Feeders

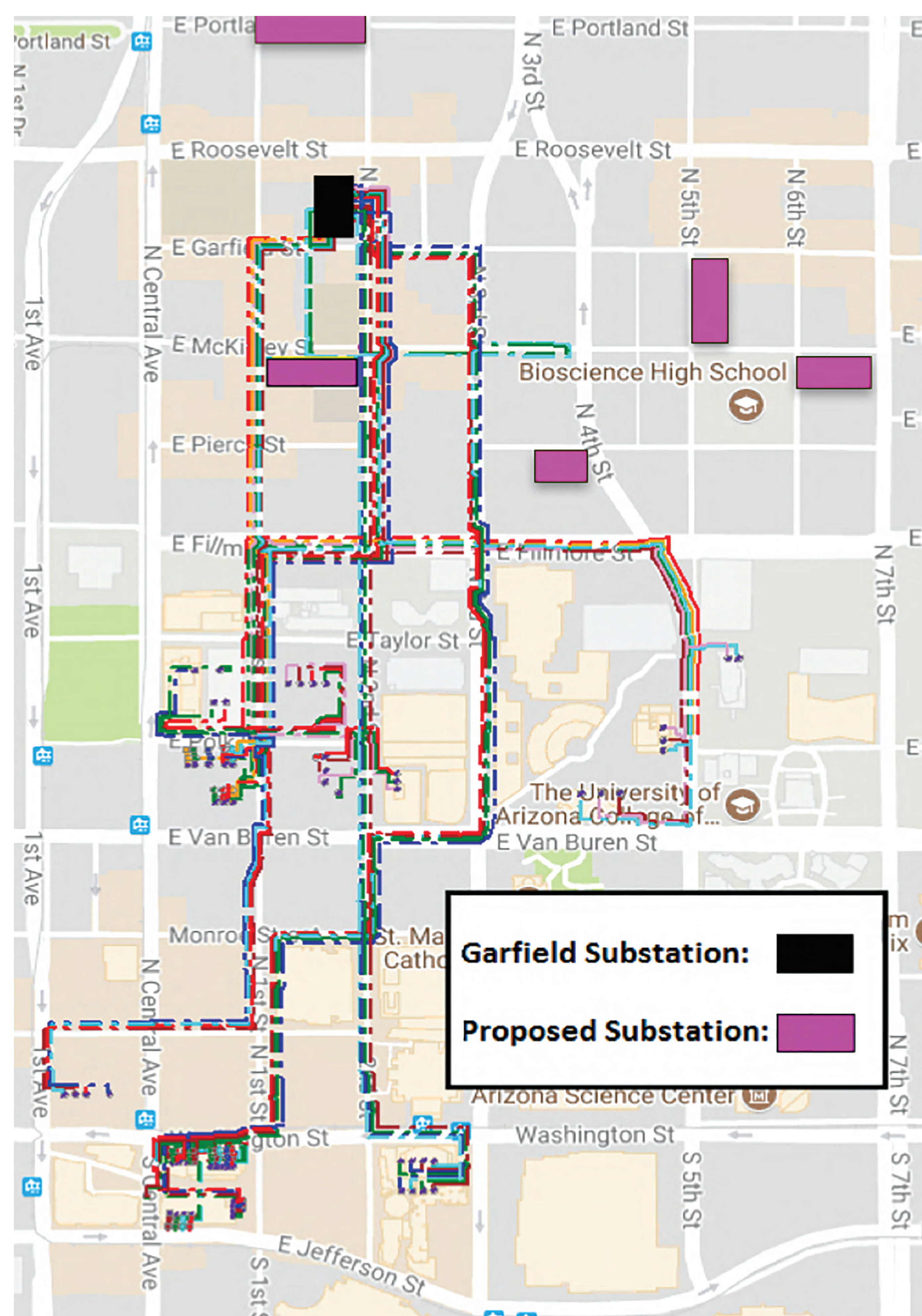
The pink boxes on this diagram are shown here as examples. They are not proposed substations locations APS is pursuing.

Wherever the substation is located, APS must connect into the existing 12 kV underground power lines (feeders).

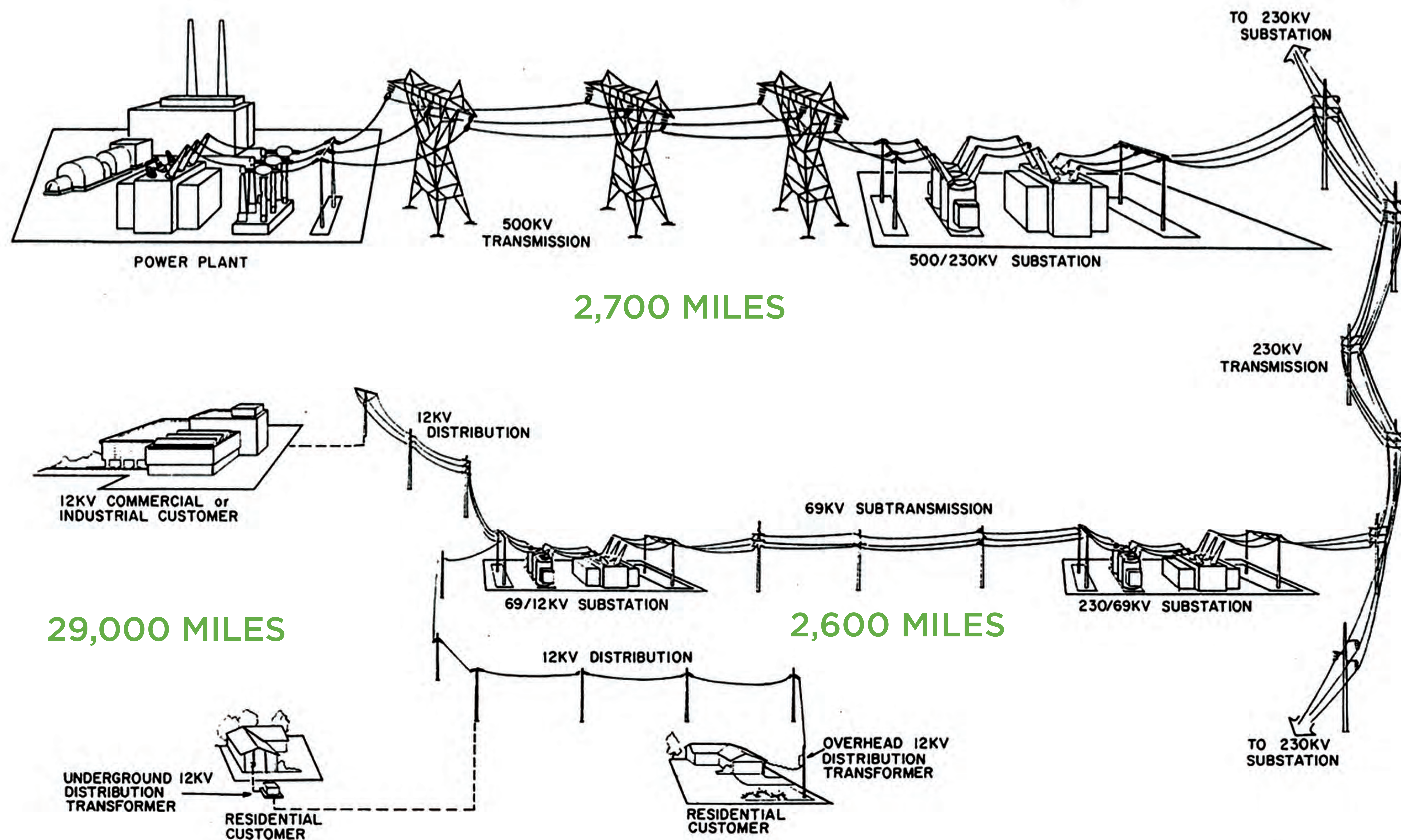
Therefore, wherever we move that pink box, the existing power line infrastructure must move with it (shown as the multi-colored lines on this diagram.)

The multi-colored lines shown on this image will be served from the new substation.

These power lines currently provide redundant service to customers in the downtown Phoenix area.

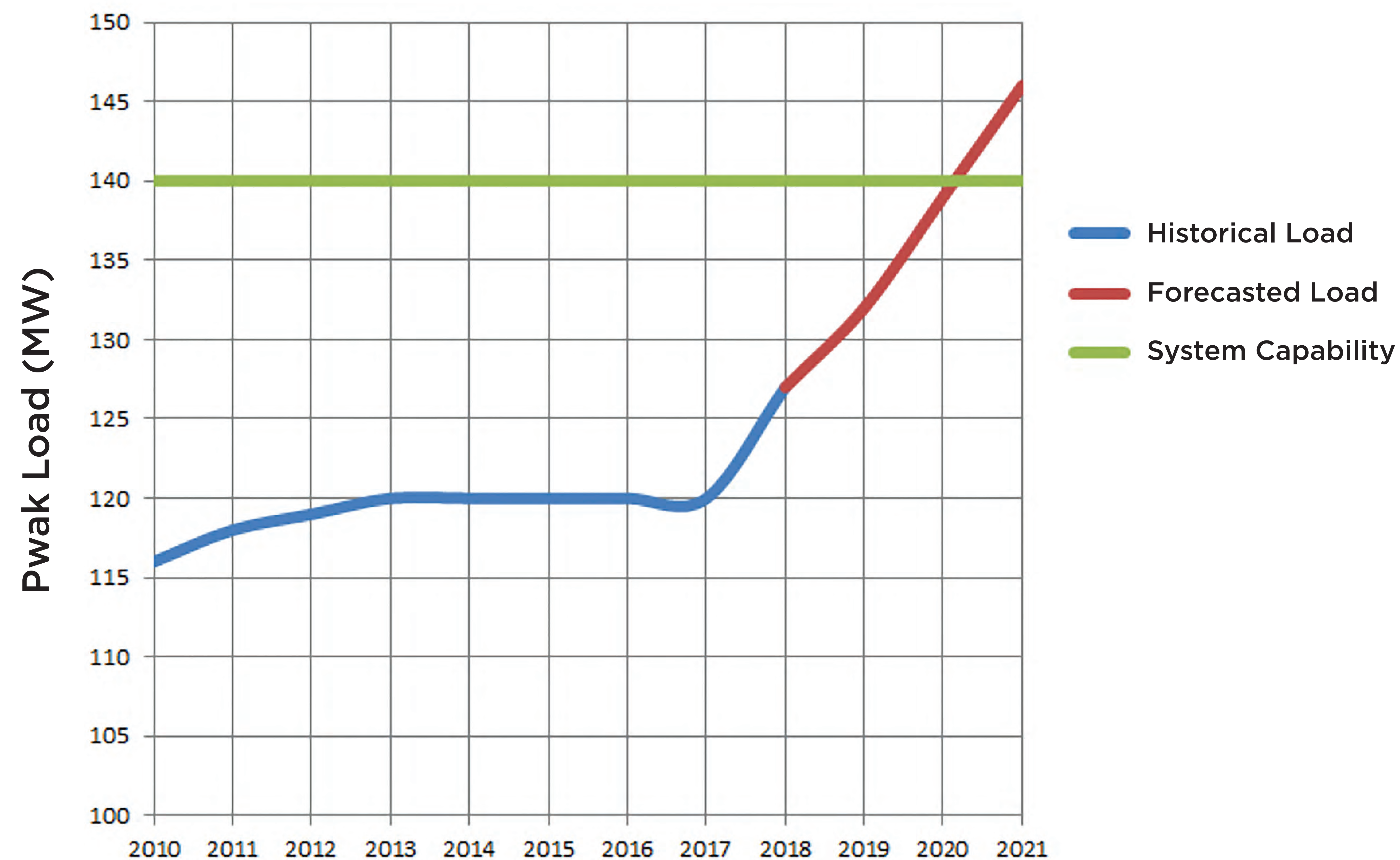


The Electric Grid



Why do we need new substations?

Greater Downtown Phoenix Load Growth



Delivering Reliable Electricity

To meet the power demands of current customers and future projects, APS has needs to build seven new substations in the Greater Phoenix Downtown Area:

- 1. Midtown Substation** – west side of 2nd Street, from Clarendon to Indianola; start construction June 2018 & complete by June 2020
- 2. Downtown Substation** – TBD (Fillmore to Moreland, 7th Street to Central Ave); confirm property by Dec 2018, start construction June 2019 & complete by June 2021
- 3. 14th Street Substation (Sky Harbor)** – west of Sky Harbor International Airport; confirm property by June 2018, start construction by June 2019 & complete by June 2020
- 4. Roanoke Substation** – east of Central Ave, north of Virginia; start construction by 2019 & complete by June 2021
- 5. Garfield Substation** – northwest corner of 2nd St & Garfield; start construction in 2020 & complete by June 2021
- 6. Lincoln West Network Rebuild (new substation)** – TBD; approx 4th Ave & Lincoln; energize by June 2022
- 7. Carver Substation** – southeast corner of 4th St & Grant; estimated start date of 2022/2023

Thank You
for your feedback

APS Service Territory

Arizona's largest and longest-serving utility – since 1886

Service Territory

- 11 of 15 counties
- 1.2 million customer accounts (89% residential)
- Approximately 45% of Phoenix customers
- 34,646 square miles

Arizona's largest taxpayer

- \$3.4 billion annual economic impact to AZ
- \$1 billion spent annually with AZ businesses
- \$400 million with minority and women-owned businesses

Investor-owned utility–subject to forms of public control and regulation

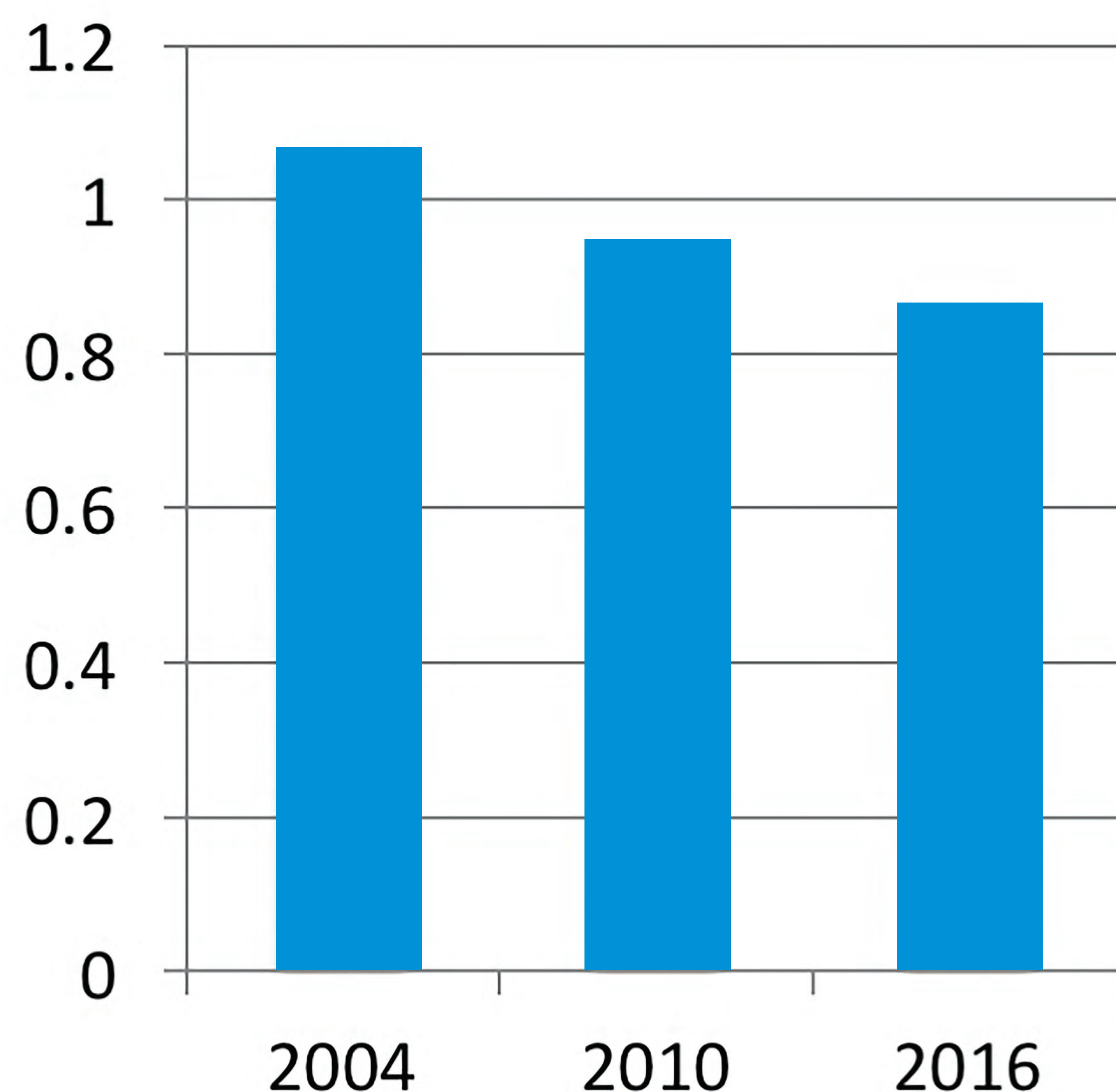
~6,300 employees

Peak load ~7,400 MW in 2017



Delivering power with top-tier reliability

Average electric outages per customer



APS is among industry leaders in electric reliability

On average, APS customers experience less than one outage per customer per year

Automated meters and other new technology enhance customer experience and improve reliability

Supporting the communities we serve



APS employees...

and their families volunteered
120,000 hours per year to
worthwhile causes

contribute more than \$2.5 million
of their paychecks to United Way

**APS donated \$10 million to
worthwhile causes in 2016**