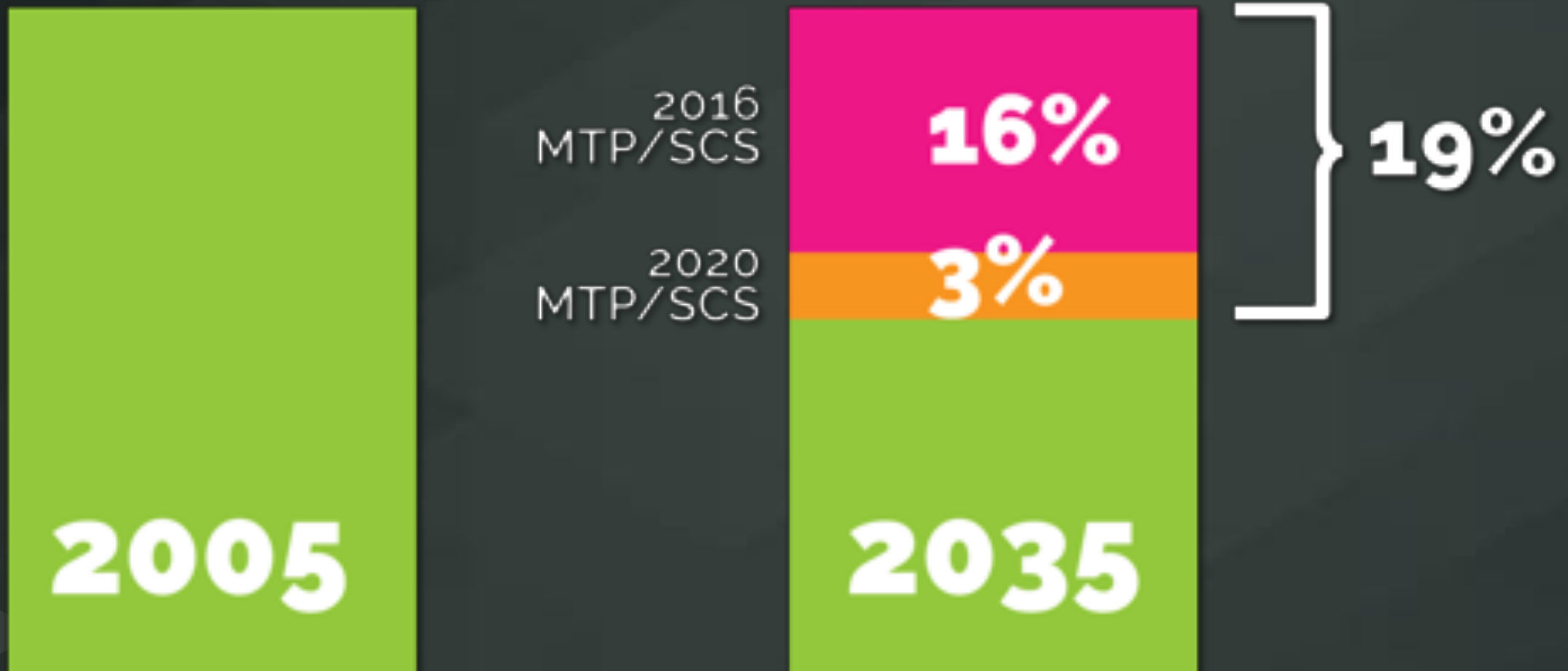


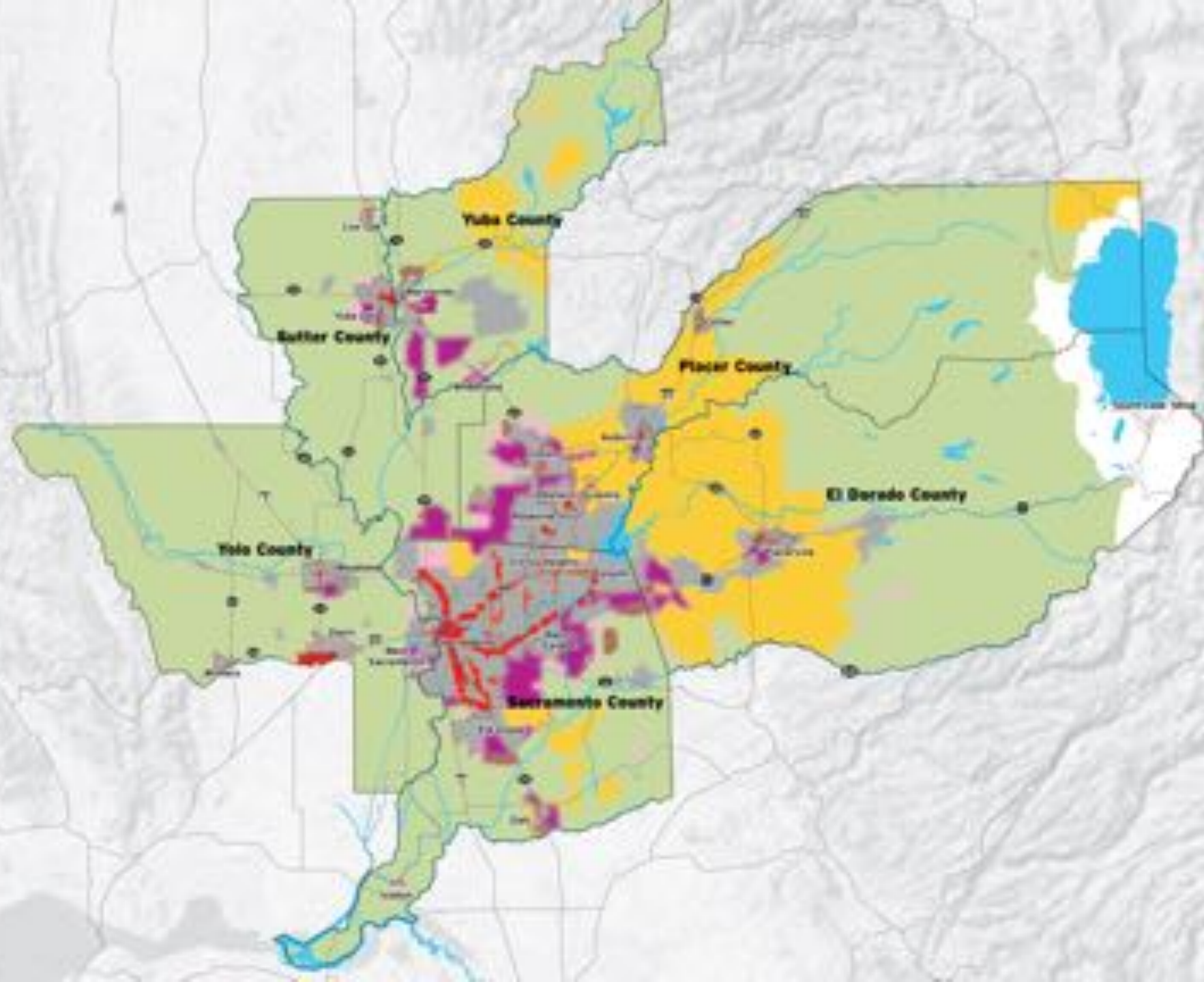
SACOG Update on Transit Planning & Funding

Matt Carpenter
Director of
Transportation Services

Sacramento Area
Council of
Governments

Greenhouse Gas Reduction Target





Centers & Corridors



Established Communities



SACOG Region Transit Operations Revenue over 10 Years* (in billions)

* 10 year need total does not reflect real growth from 2015 level

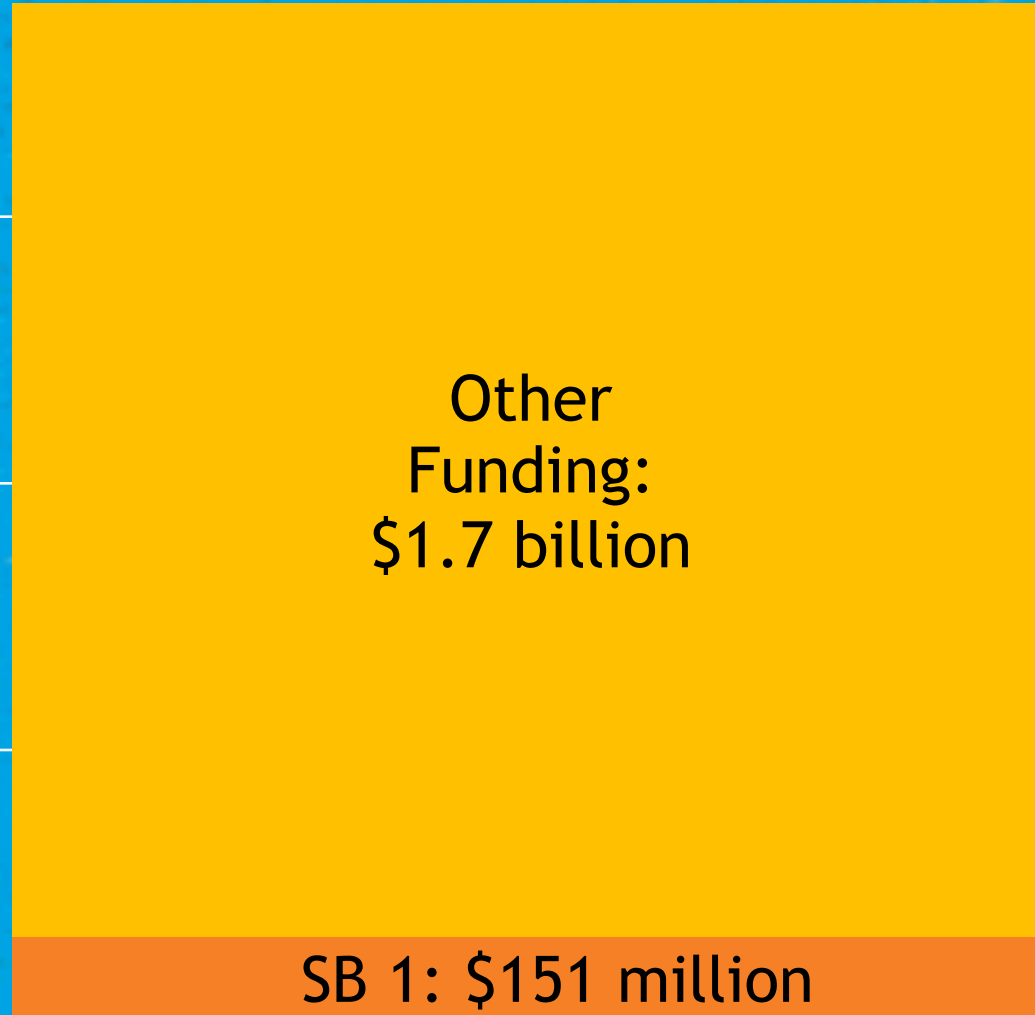
\$2.0

\$1.5

\$1.0

\$0.5

\$0.0



Other
Funding:
\$1.7 billion

SB 1: \$151 million

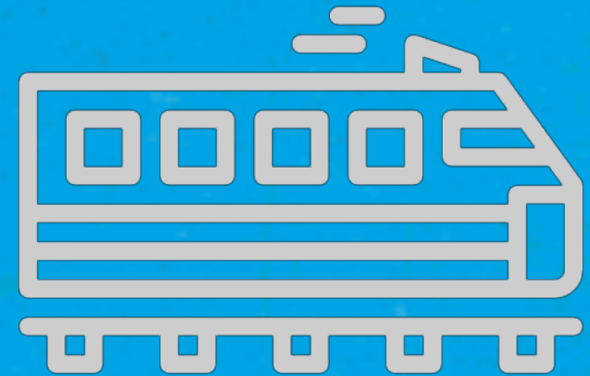
Sacramento County Transit Funding

\$326 Million/Year
State of Good Repair

+\$12.1 Million/Year (SB1)

\$206.4 Million/Year

\$120 Million/Year
Shortfall



Fleet replacements make up largest capital need



210 Large Coaches/Commuter Buses

- nearly 50% due for replacement within five yrs
- Large coach bus cost: \$600,000 - \$900,000

176 Demand Response/ADA Vehicles

- 100% due for replacement within next decade
- Standard vehicle cost: \$120,000 - \$180,000

29 Small Buses for Community Services

- 100% due for replacement within next decade
- Standard vehicle cost: \$120,000 - \$180,000

SacRT currently has 97 high floor light rail vehicles

47 LRVs: over 31 years old

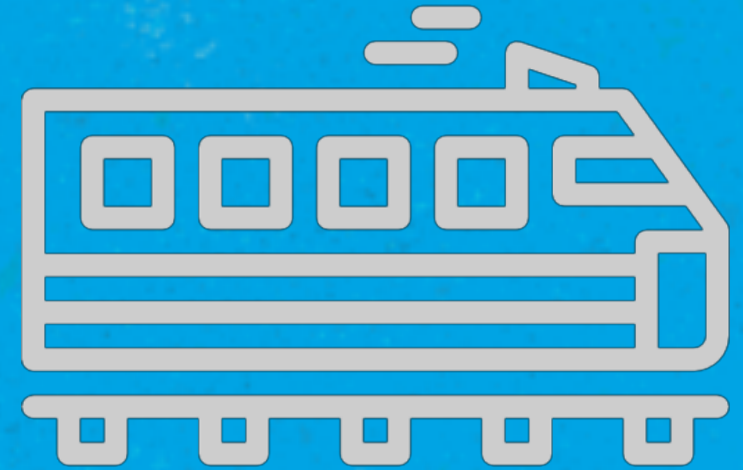
21 purchased rehabilitated | do not match other LRVs

10 LRVs: over 27 years old

40 remaining LRVs will reach 25 years in 2028

Replacement cost: \$552.9 million in today's dollars

Does not include all station rehabilitations for low-floor vehicles.



25 Years: FTA Useful Life

Draft Preferred Scenario

Growth Forecast



270,000 jobs



260,000 homes

Draft Preferred Scenario

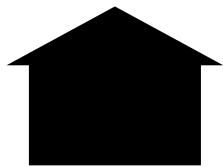
Growth Forecast



Land Use Pattern



270,000 jobs



260,000 homes

64%

Established &
Center/Corridor
Communities

35%

Developing
Communities

73%

Small-Lot &
Attached Homes

27%

Large-Lot Homes
& Rural
Residential

Draft Preferred Scenario

Growth Forecast



Land Use Pattern



Transportation
Investments



270,000 jobs



260,000 homes

64%

Established &
Center/Corridor
Communities

35%

Developing
Communities

73%

Small-Lot &
Attached Homes

27%

Large-Lot Homes
& Rural
Residential



Budget:

\$33.4 Billion

Requests:

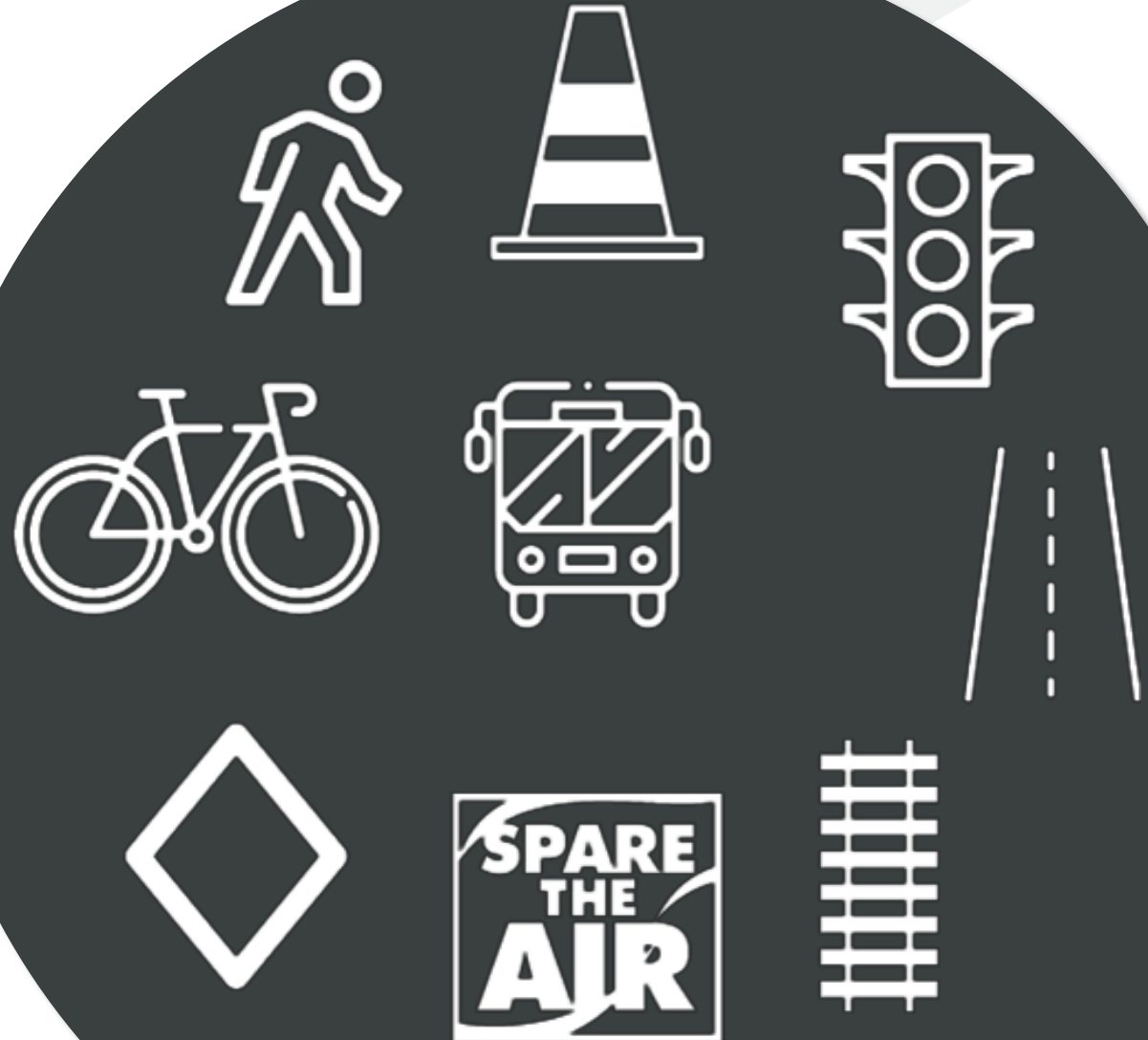
\$46 Billion

Transportation Investments

Revenue
Assumptions



Land Use
Forecast



Financial Constraints

Revenues: \$33.4 Billion

Requests: \$46 Billion

Options for additional funding: System Pricing



2020 MTP/SCS Draft Preferred

| 2020 MTP/SCS Draft Preferred Scenario | Total \$ (millions) | % of total |
|---|------------------------|------------|
| New & Expanded Roads | \$6.9 | 20% |
| Maintenance & Rehabilitation | \$11.6 | 34% |
| Transit | \$10.1 | 30% |
| Bicycle & Pedestrian, Operations & TDM | \$5.3 | 16% |

The slide features a dark gray background. In the top right corner, there are several overlapping, semi-transparent light gray triangles pointing right. In the bottom left corner, there are several overlapping triangles in bright colors: cyan, lime green, orange, magenta, and dark gray, all pointing right. A thin horizontal line is at the top, and a thin vertical orange line is to the right of the main title.

MTP/SCS Transit- Related Planning

- Transit Asset Management
- SB 743
- Pricing
- Next Generation Transit

Transit Asset Management Planning

Federal requirement adopted in 2016

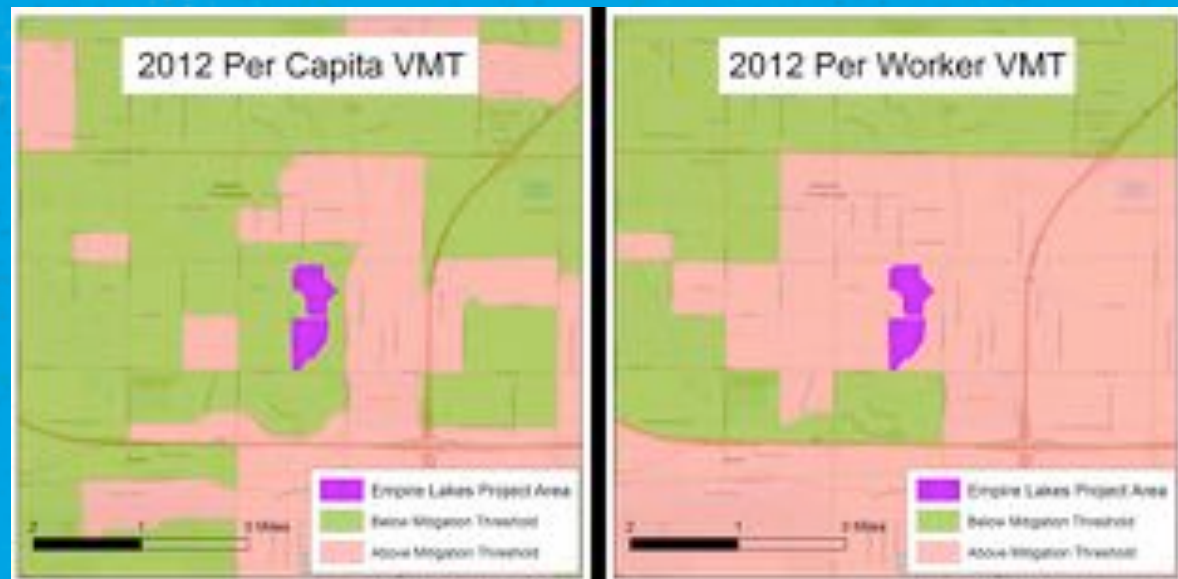
Tier I/II Plans completed in late 2018

SACOG provided support for TAM planning, obtaining joint decision tool

Progress reported to National Transit Database

Performance targets incorporated into MTP/SCS & MTIP

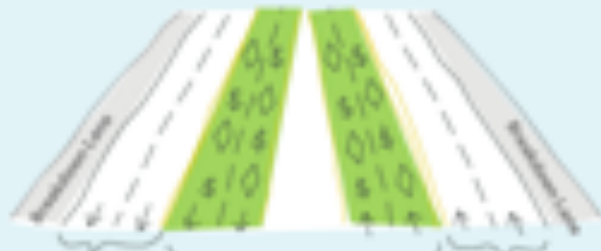
SB 743 -Evaluating Transportation Impacts using Vehicle Miles Travelled (VMT)



Pricing Strategies:

Express Lanes & Tolling Mileage-Based

EXPRESS LANES (MULTI-LANE HOT FACILITY)



All Vehicles
No Tolls
(if all lanes varied)

Transit
HOV3+: Free
HOV2: Free
SOV: \$

All Vehicles
No Tolls
(if all lanes varied)

• I-495, Virginia

• I-10, Los Angeles CA



All Vehicles
No Tolls
(if all lanes varied)

Transit
HOV3+: Free
HOV2: Free
SOV: \$

All Vehicles
No Tolls
(if all lanes varied)

Breakdown Lane
Converted to Peak
Period Travel Lane

• I-405, Washington

• I-70, Colorado



All Vehicles
No Tolls
(if all lanes varied)

Reversible Middle Lane
Transit: Free
HOV3+: Free
HOV2: Free
SOV, Trucks: \$

All Vehicles
No Tolls
(if all lanes varied)

• I-15, San Diego CA

• I-95, Virginia

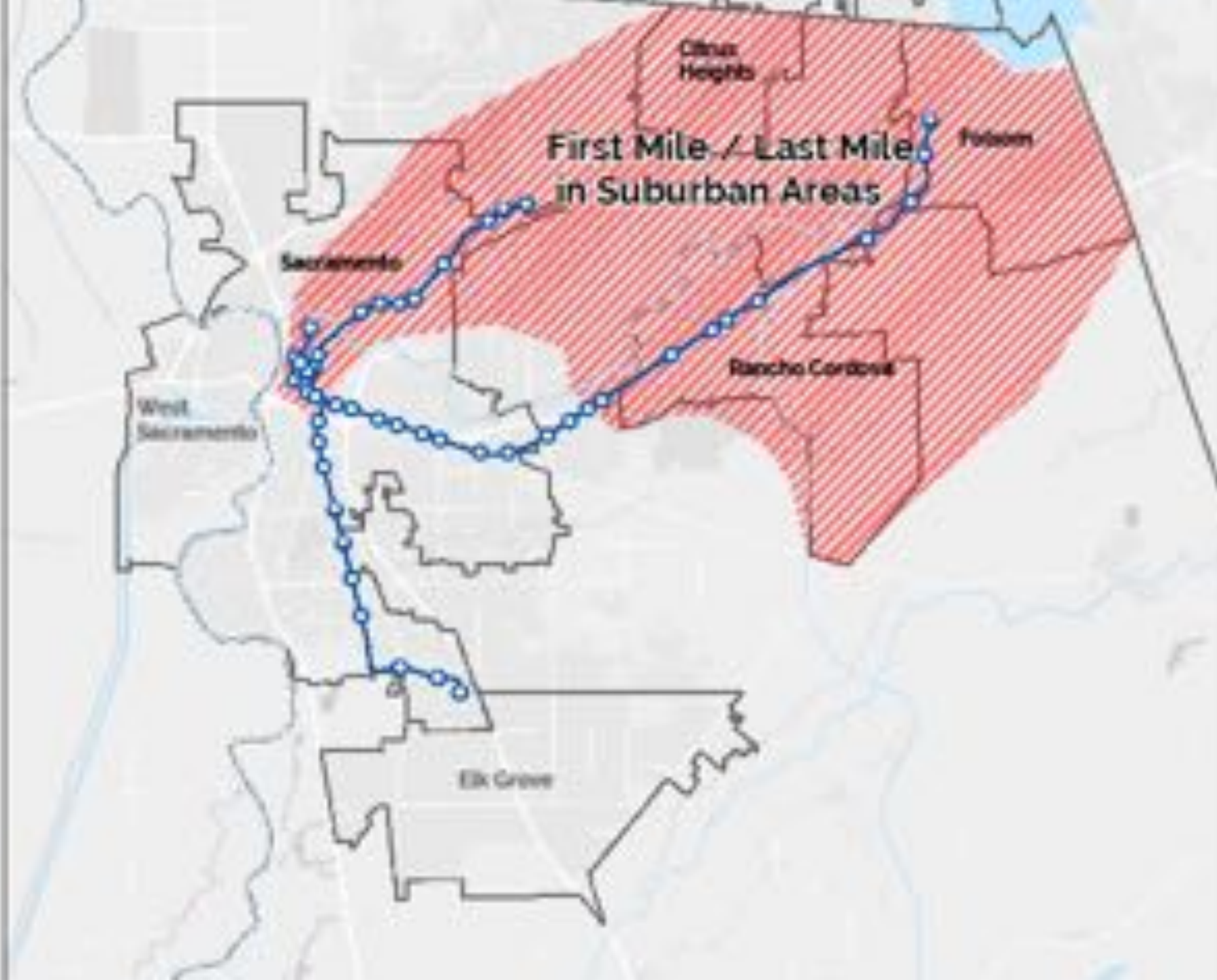
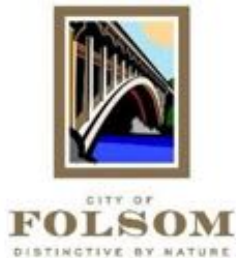
The background features a dark grey gradient. In the top right corner, there are several overlapping, semi-transparent light grey triangles pointing right. In the bottom left corner, there are several overlapping triangles in bright colors: cyan, orange, magenta, and a small dark grey one, all pointing right.

Future Mobility & Transit

- Technology
- Ride sharing
- Vehicle sharing
- 1st & last mile connections
- MaaS



CIVICLAB







WEST
SACRAMENTO
ON-DEMAND







SACOG Funding

- Technology
- Ride sharing
- Vehicle sharing
- 1st & last mile connections
- MaaS

SACOG Transportation Funding Process



Planning & Project Development

- Performance-Based Planning
- Cost-Effectiveness, Cost Benefit Analysis (CBA)
- Scope, Schedule, Budget
- Project Selection

Policy Board Approval

- Local boards and councils
- SACOG board
- California Transportation Commission (CTC)

Programming

- Transpo. Improvement Program (eg. MTIP, STIP)
- Financial Constraint
- Phasing

Project Delivery

- Color of Money
- SACOG Delivery Plan
- Other State or Federal Processes (eg. FTA)

SACOG Board Funding

Federal formula

- CMAQ, STPBG
- FTA formula

State formula

- STIP (regional share)
- Active Transportation Program (regional share)

Local formula

- Local Transportation Fund
- State Transit Assistance

Not SACOG Board Funding

Federal competitive

- BUILD, INFRA, ATCMTD

State competitive

- Congested Corridors
- Trade Corridors
- Local Partnership
- Active Transportation (state share)

State formula

- Gas Tax, ITIP, Local Partnership

Local

- Sales Tax Measures
- Development Fees

SACOG Flexible Funding Awards

Regional Flexible Funding Round Awards

Transit-Related

\$M

% Total

2009

\$5.2

7%

2011

\$12.69

12%

2013

\$24.25

13%

2015

\$32.15

25%

2018 & 2019*

\$29.58*

21%*

* awarded so far

Regional Program Performance Outcomes

(2018 Funding Round)

1. Reduction in per capita VMT
2. Reduction in congested per capita VMT
3. Increase in multi-modal travel
4. Long-term economic benefit
5. Improve goods movement
6. Significantly improve safety and security
7. Demonstrate “state of good repair”

Regional Program Example: Maintaining and Modernizing Regional Light Rail System

- Total Award: \$10,000,000
- Replace aging light rail vehicles
- Retrofit existing light rail stations
- Improve service between Rancho Cordova and Folsom



Other programs within SACOG funding round

Green Region

- First-time program in 2018

Transportation Demand Management

- Next Generation
- Innovation and Traditional

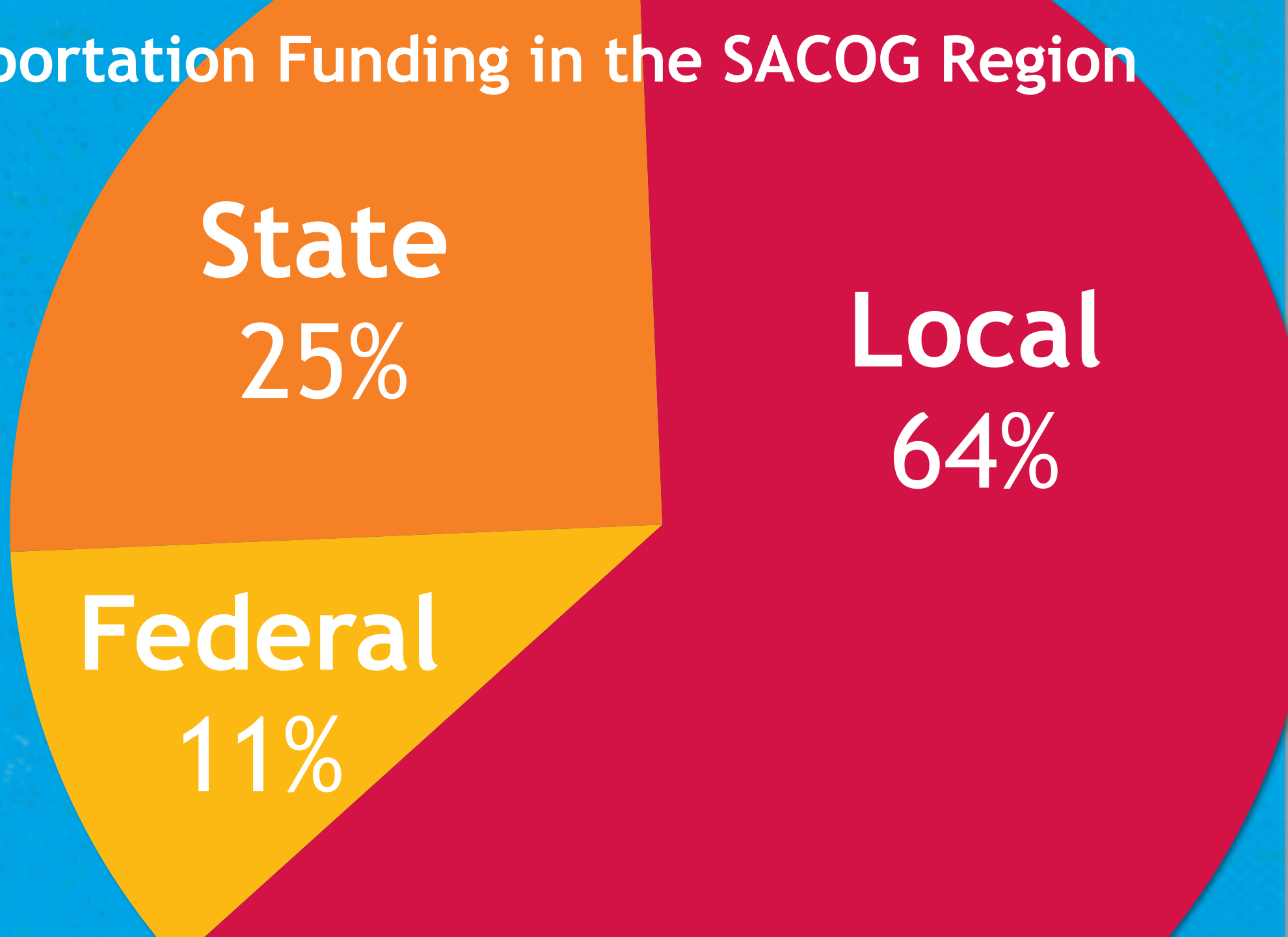
Air Quality Improvement

- Commitment to fund Spare the Air through 2024

2019 Funding Round

- Dialogue to begin in March

Transportation Funding in the SACOG Region





***Accelerate
Infill***

***Accelerate
Travel
Options***

***Accelerate
EV
Deployment***

Thank you!

Matt Carpenter
Director of
Transportation Services

Sacramento Area
Council of
Governments
mcarpenter@sacog.org