FISCAL, PLANNING, POLICY & COMPLIANCE

Pulling Out All the Stops

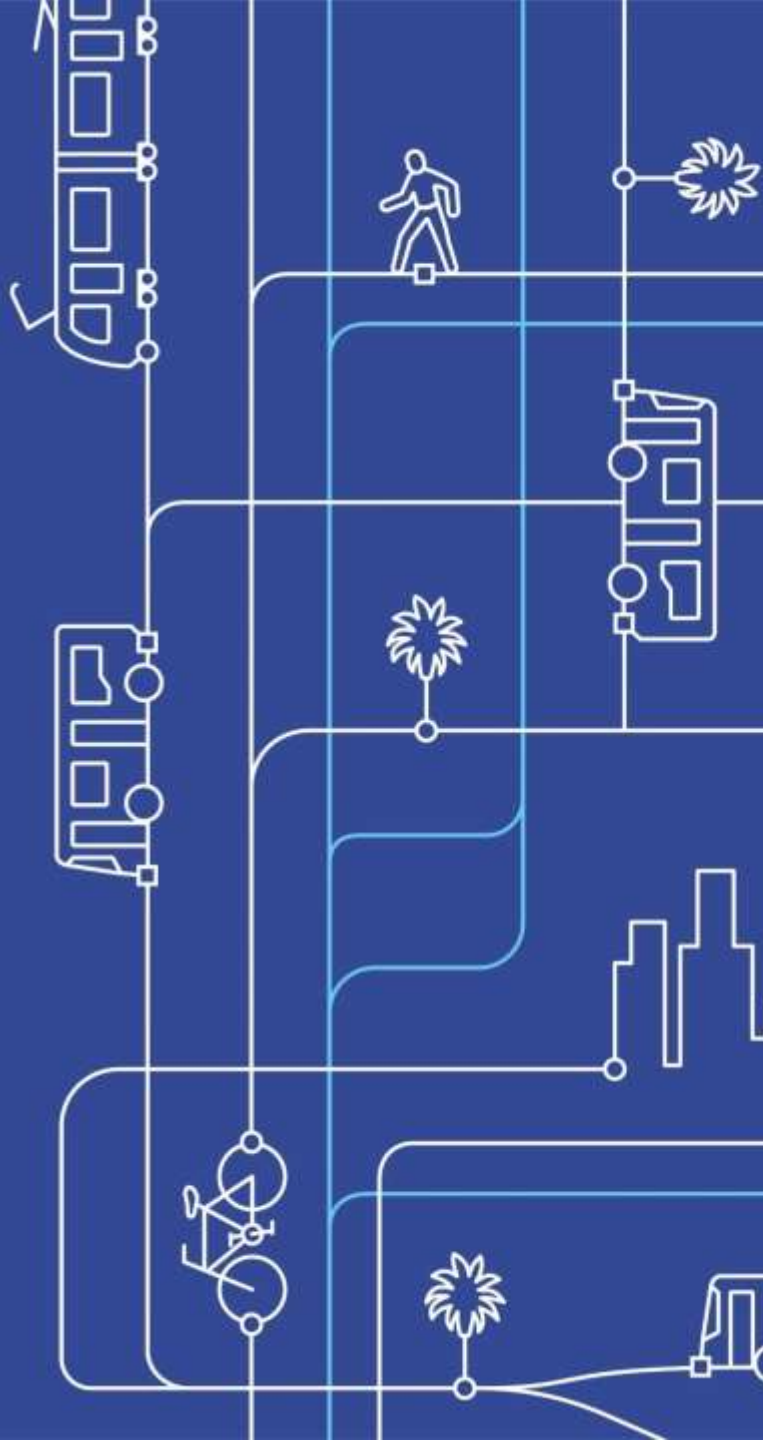
NEXTGEN Bus Study

Pulling Out All The Stops

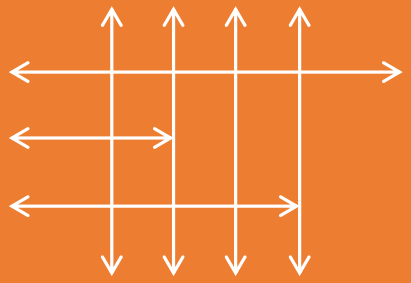
California Transit Association

11.13.19

Metro



So, what is NextGen?



A new bus network

Something for everyone

Why are we doing this?

Outdated bus network

It's been 25 years since last redesign!
Travel patterns have changed

More People

1 million new residents

More places to go

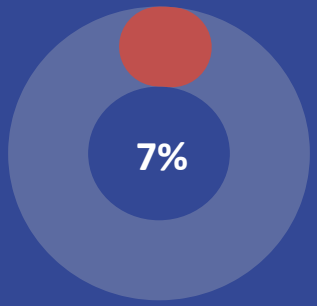
New destinations

More ways to get there

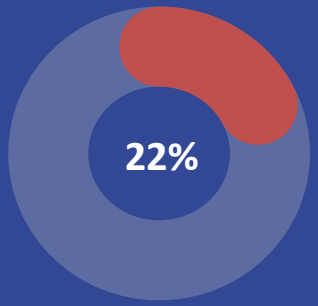
Transportation Network Companies, MicroMobility, shared vehicles

Four Types of Customers

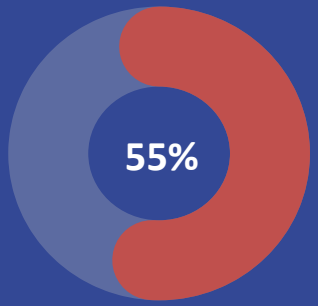
Frequent



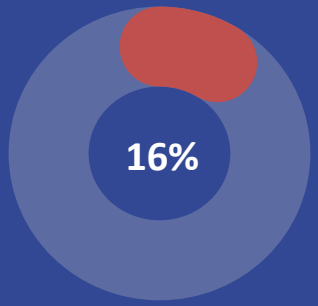
Occasional



Infrequent

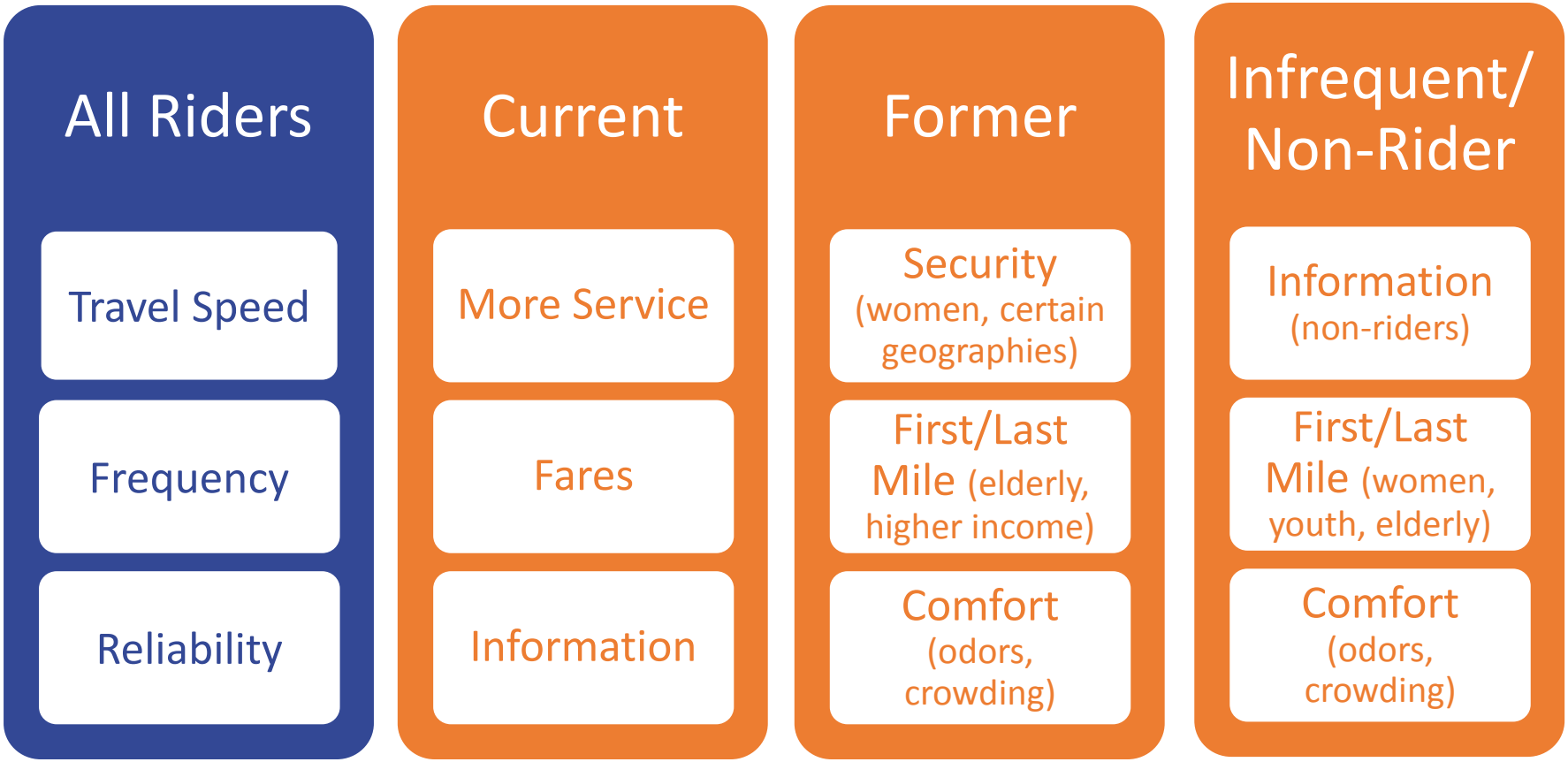


Non-Rider

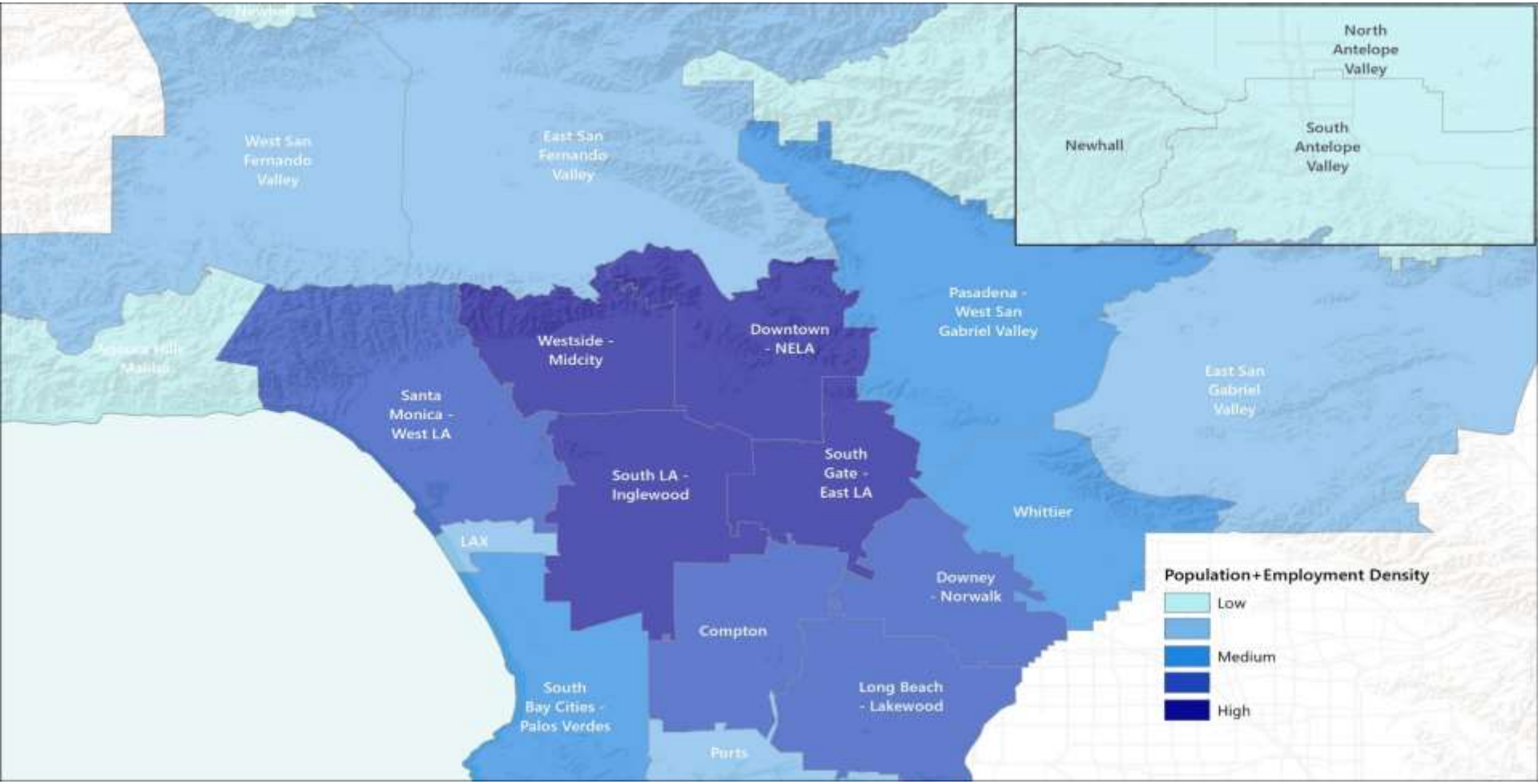


As a % of all LA County residents

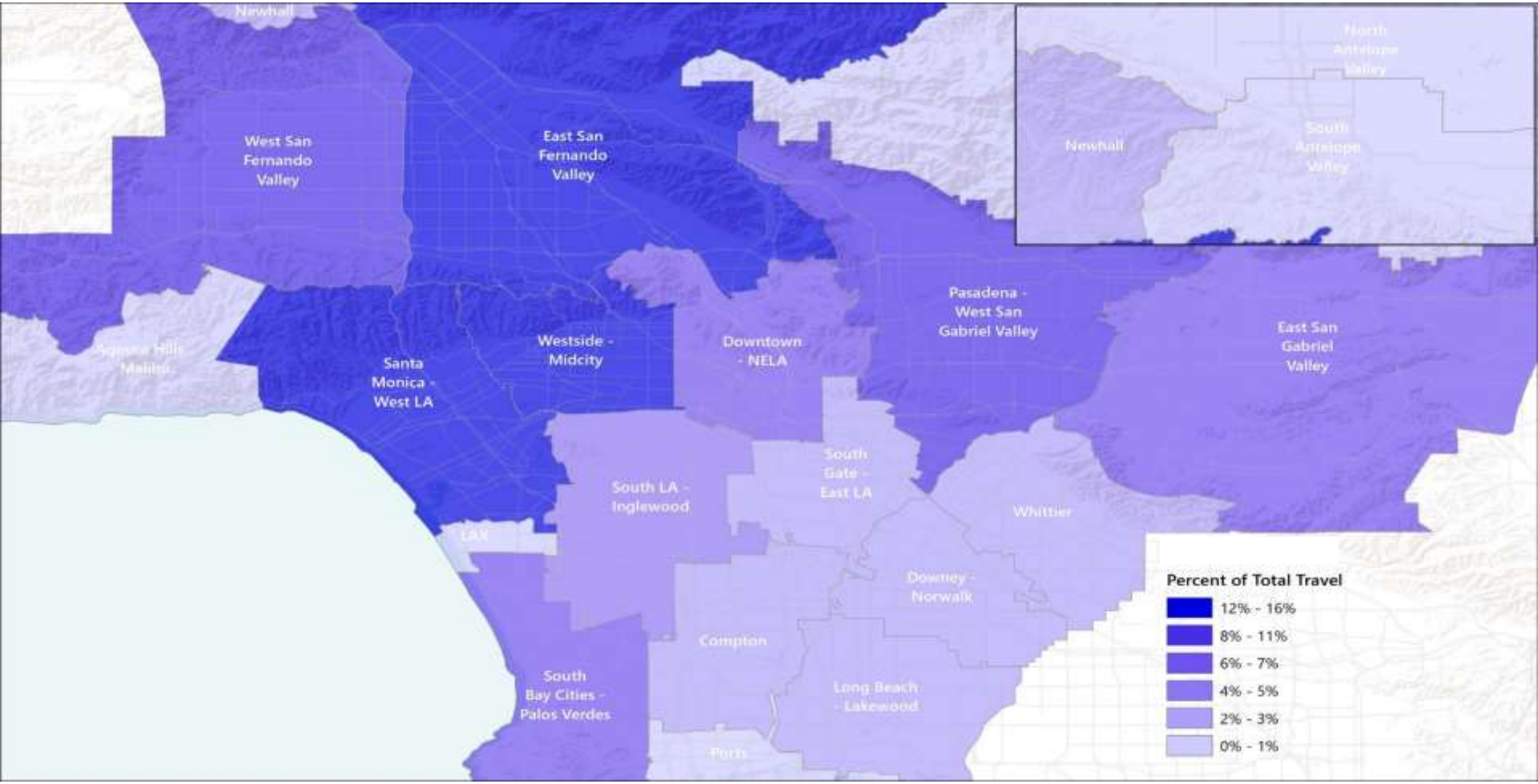
Service Parameters



Population and Employment Density



Travel Intensity (cell phone data)



Competitiveness of Transit

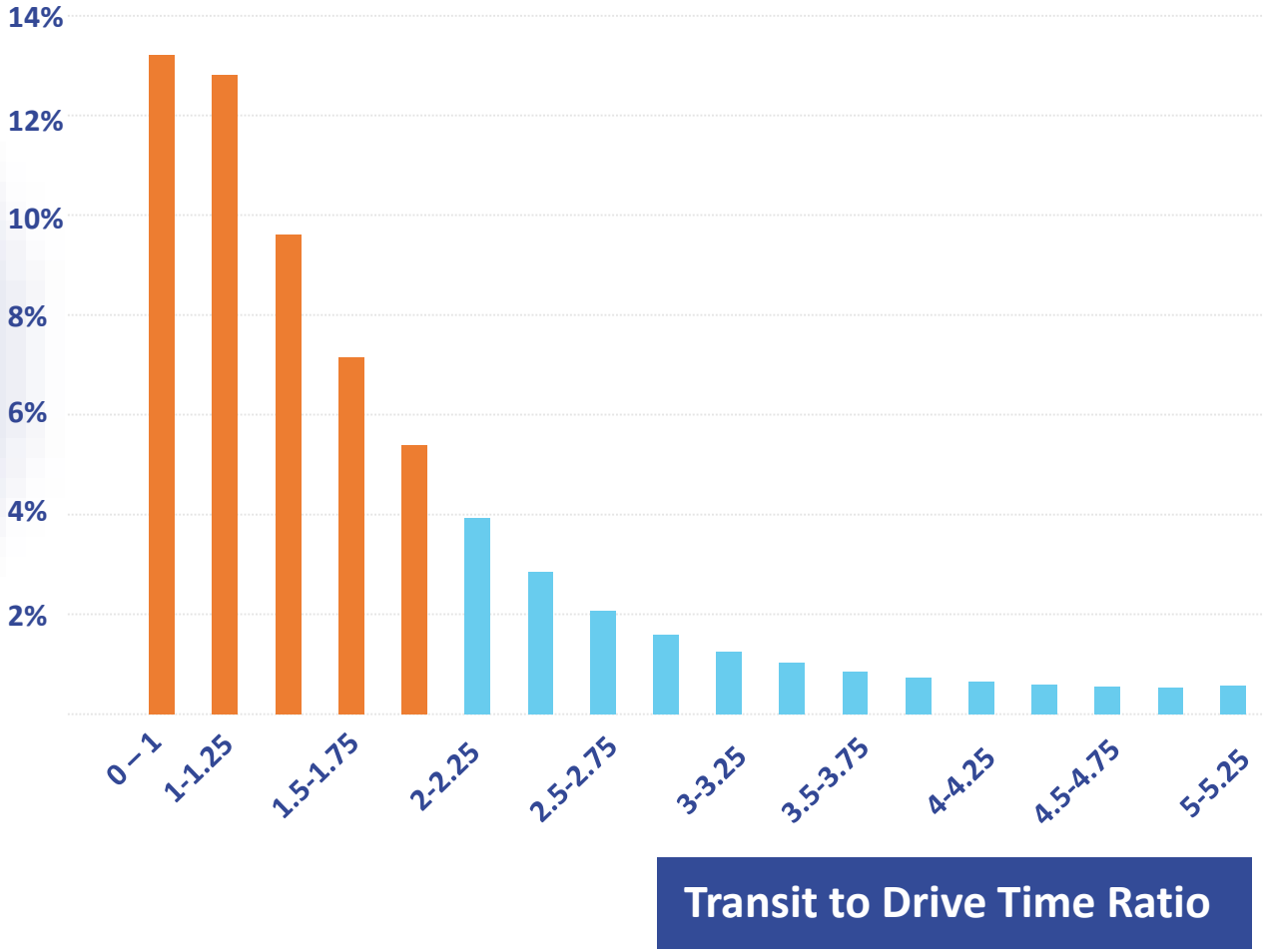
1. Run trips from cell phone data through Metro Trip Planner to identify transit path and travel time;
2. Run trips from cell phone data through Google to calculate drive time;
3. Compare transit travel time to drive time.

Competitiveness of Relative Travel Times

Travel Time Comparison with Auto

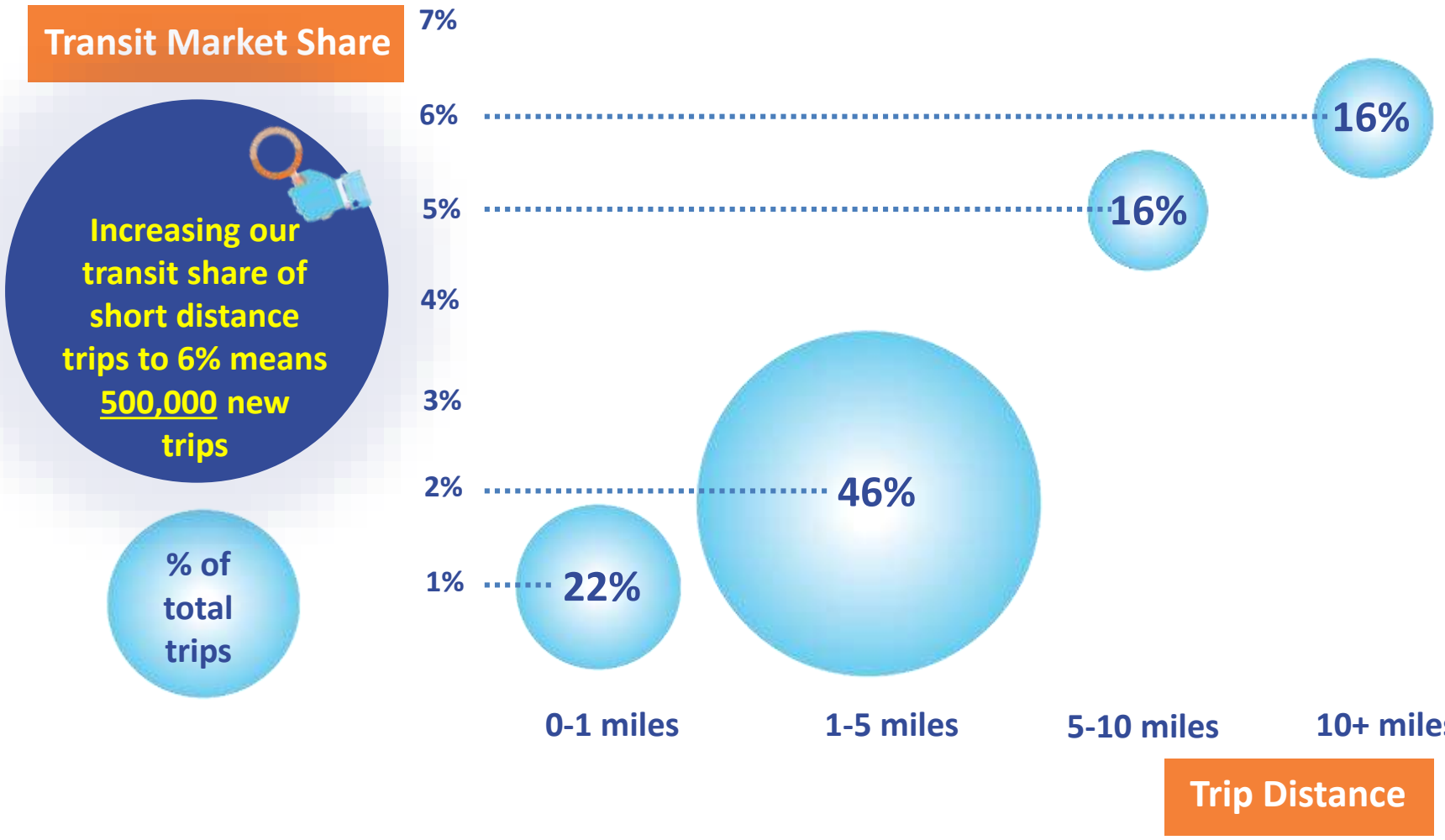
Transit Market Share

Transit is most competitive when no more than 2x slower than auto



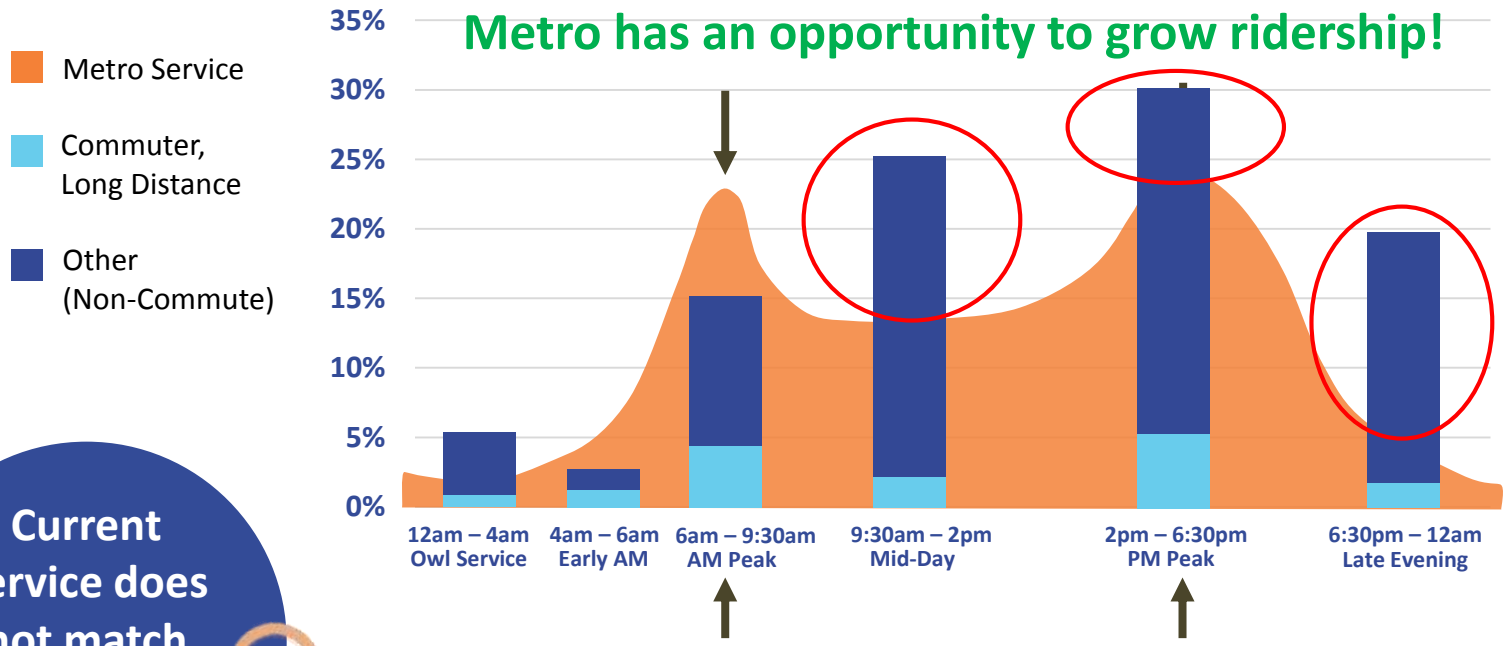
Competitiveness and Market Potential

Transit Market Share by Distance & Percent of Total Trips

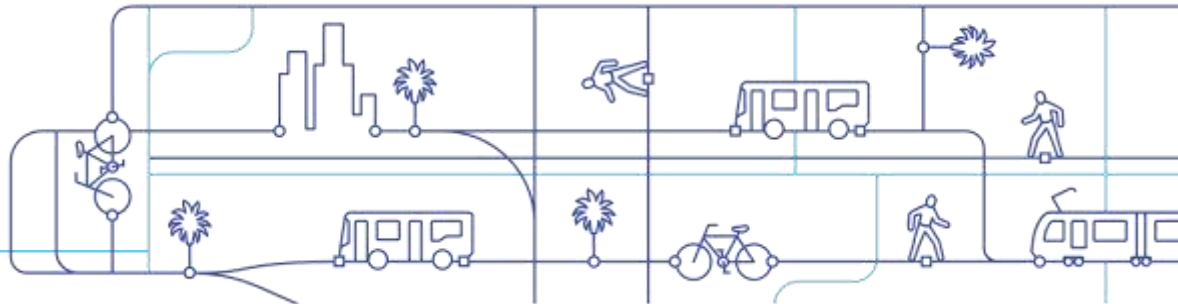


Where Should We Invest Resources?

Current transit service is structured to provide the highest level of service for the morning and evening commute periods, **BUT** there is a high demand for travel through mid-day and late evening.



Current service does not match travel demand



When is Travel Speed important?

For Long Distance Trips: *10 to 12.5 Miles*

Travel Speed is the key factor for longer trips.

30% of time
getting to/from transit

e.g. 10 mins

70% of time
on-board transit

e.g. 25 mins

When is Frequency important?

For Short Distance Trips: *0 to 2.5 Miles*

Frequency is the key factor for shorter trips.

50% of time
getting to/from transit

e.g. 10 mins

50% of time
on-board transit

e.g. 10 mins

Corridor Optimization Example: Venice Blvd.

Time (in minutes)

	Walk	Wait	Ride
Metro Local (Existing)	4	10	36
Metro Rapid (Existing)	10	10	33
NEXTGEN Optimized (Hybrid)	6	5	35
NEXTGEN w/ Transit Priority (Hybrid)	6	5	28

Represents a 7.5 mile trip

But wait, there's more! (Tomorrow)

Come check out Thursday afternoon's 3:00 PM session…

Storytelling with Data

Portola Room (You Are Here)

Thank You

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Metro