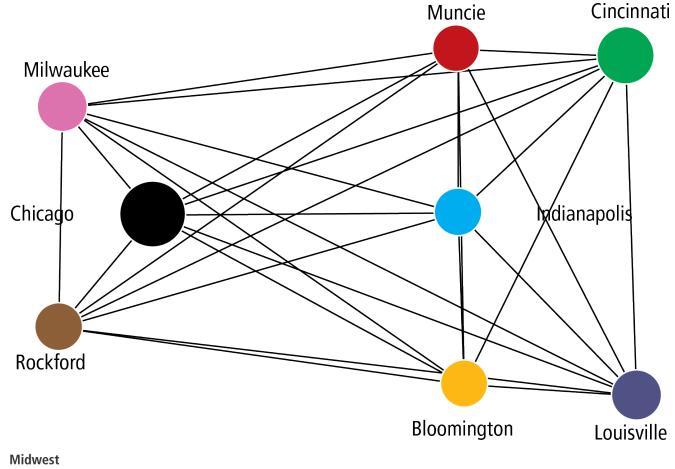
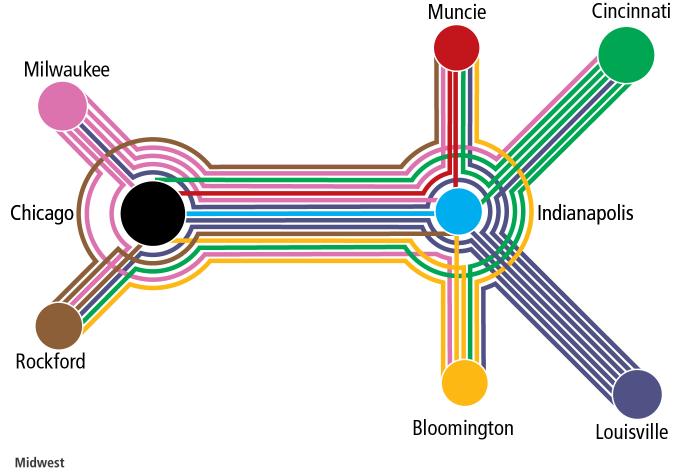
Herding Many Cats





Networks, Many Paths to Success





2018 California State Rail Plan Connecting California



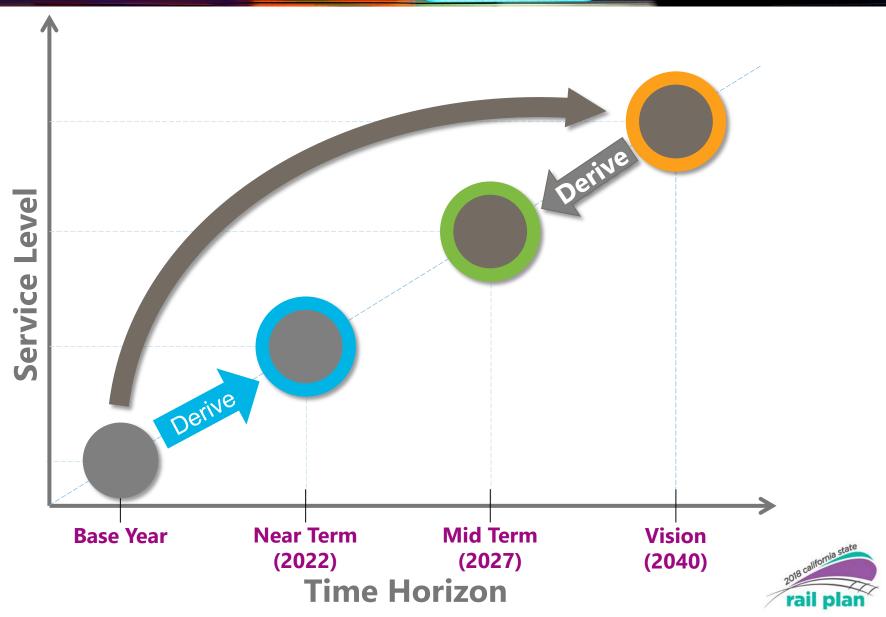
California Rail Services: Both Regional and High Speed







Investment Strategy: Phasing of the Vision Plan



2040 Vision for Passenger Rail

» Integrated Statewide Network

- » High Speed Rail
- Intercity and Regional Services
- » Integrated Express Bus

» Coordinated Schedules

- » Regular pulsed service
- » Key transfer hubs
- Public Transit
 Connections

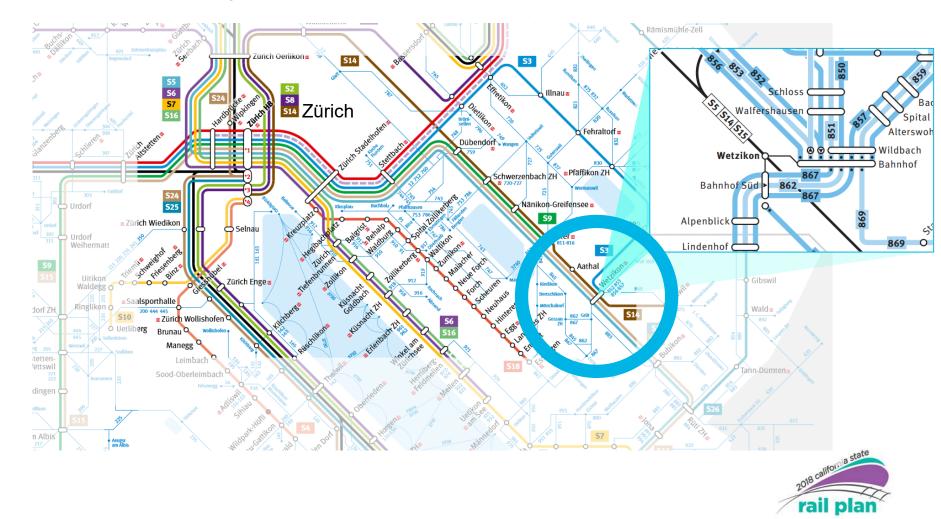
» Customer Focus

- » Seamless First/Last-Mile Access
- » Integrated Ticketing
- » Auto and air competitive



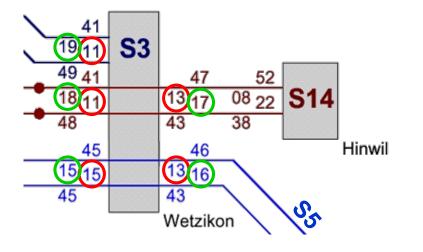
Example of an Integrated Network - Wetzikon

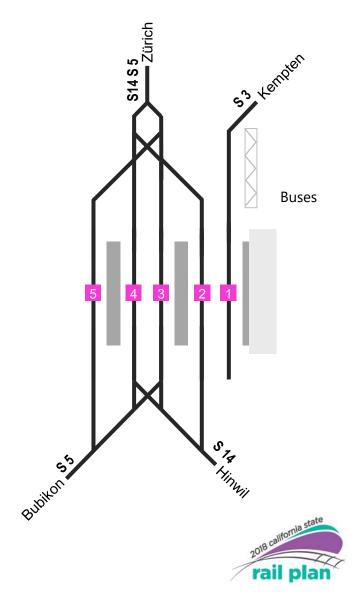
– Network Map



Example of an Integrated Network - Wetzikon

- 1. Buses arrive in advance of the trains
- 2. Trains arrive in the station
- 3. All services are in the station
- 4. Trains depart from the station
- 5. Buses depart from the station





Comparing Metrics – Existing v. 2040



All costs are in 2015\$

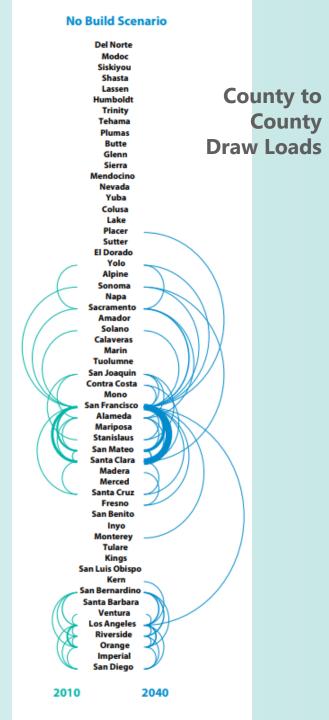
Driving Operating and Maintenance Costs Down





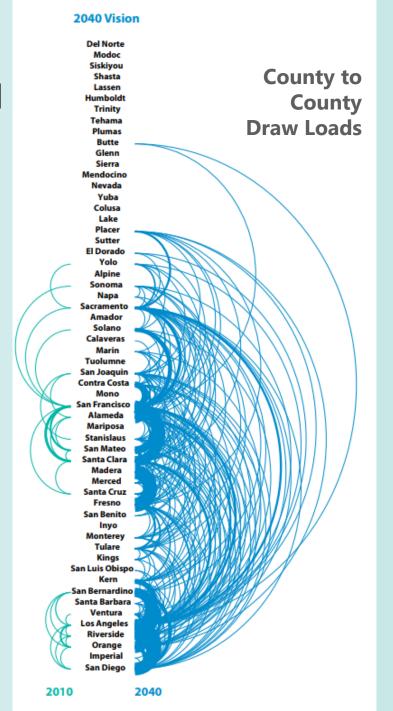
Rail Plan Vision: Ridership

- » Results show moderate increase in rail ridership demand due to population growth
- » However, market
 potential for networked
 services is unrealized

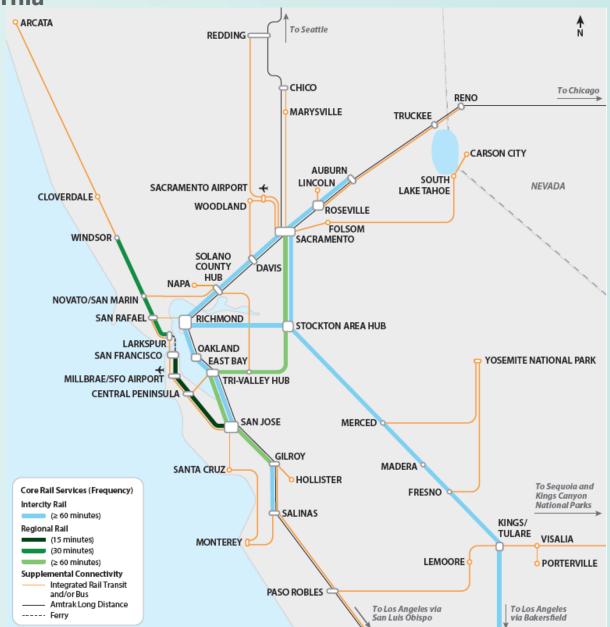


Rail Plan Vision: Ridership – Market Potential

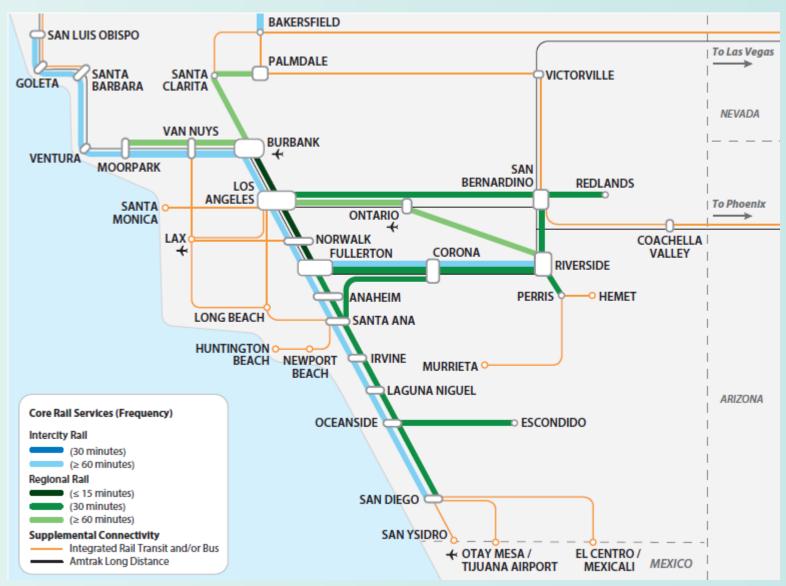
- » Result of integration and HSR shows huge increase in rail ridership demand
- » Satisfies a large market potential for networked services



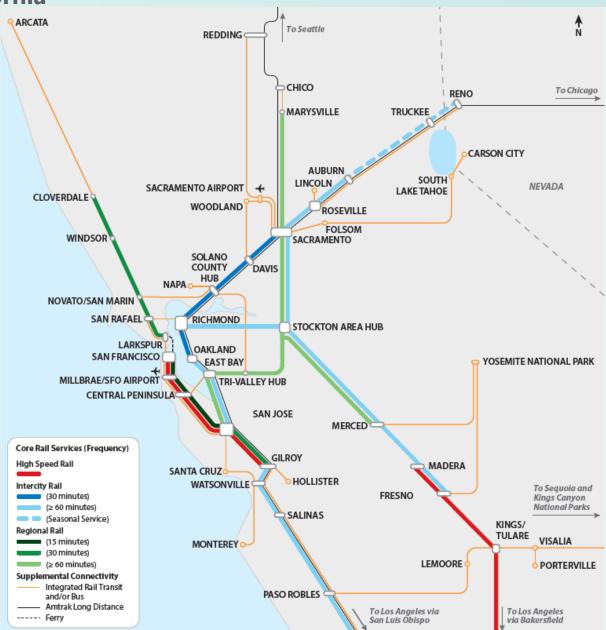
2022 Vision: Northern California



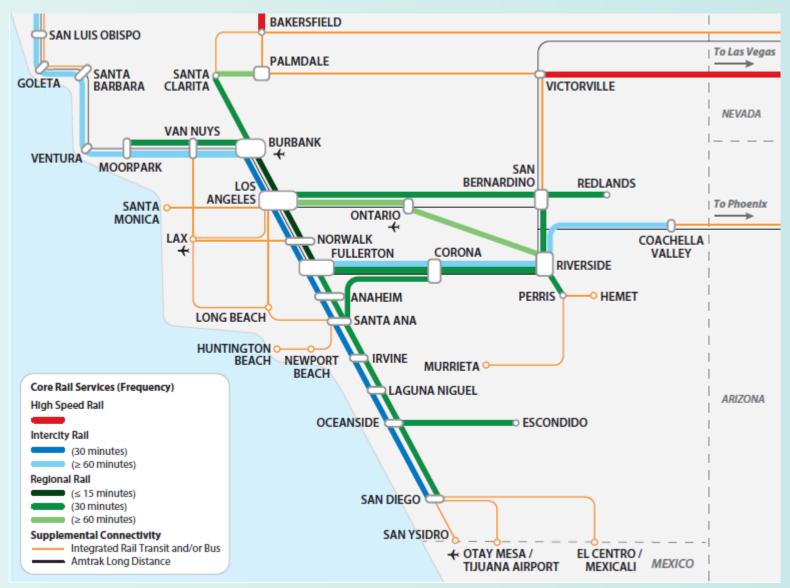
2022 Vision: Southern California



2027 Vision: Northern California



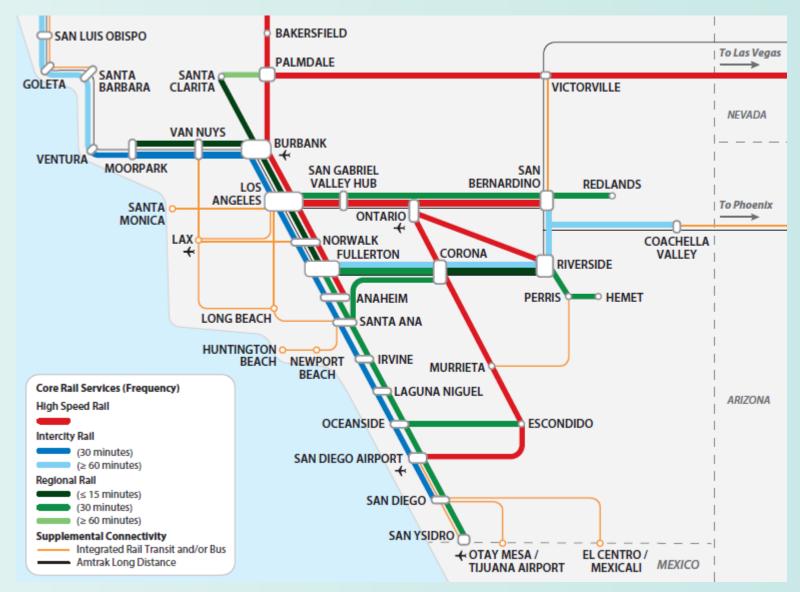
2027 Vision: Southern California



2040 Vision: Northern California



2040 Vision: Southern California



State Public Transportation Account

- Intercity Rail Operating, Equipment and Administration (from 2.375% diesel sales and use tax)
- State Transit Assistance (STA) (4.125% diesel sales and use tax)

• Local Transportation Fund for Transit (0.25% general sales tax)

State Transportation Improvement Program

- Interregional (rail minimum 15% of state 25% share)
- Regional (75%, sometimes partnered with interregional)

Transit and Intercity Rail Capital Program

- 10% Cap and Trade Auction Proceeds (continuous; amount varies)
- One-Time Budget Appropriations (\$144 million in 2016)
- High Speed Rail Funding (see 2016 Business Plan for details)
- Local Measure Funding (most between 0.25% and 2% general sales tax, with a portion to transit)
- Federal Grants and FTA Formula Funds



New Funding in 2017

SB 1 of 2017

- Augments STA, STIP and TIRCP, Commuter/Intercity
 - ▶ 3.5% diesel sales and use tax for transit (\$3.1B over 10 yrs.)
 - 0.25% diesel sales and use tax for commuter rail (\$220M over 10 yrs.)
 - 0.25% diesel sales and use tax for intercity rail (\$220M over 10 yrs.)
 - About \$1.1 billion in new STIP capacity over 10 years
 - \$25-175 per year Transportation Improvement Fee (per vehicle; indexed)
 - \$105 million (indexed) to Transit SGR (\$1.2B over 10 yrs.)
 - ▶ \$245 million (indexed) to TIRCP (\$2.7B over 10 yrs.)
 - \$236 million one-time funding to TIRCP from debt repayment
- Solutions for Congested Corridors Program (\$250 million/yr)
- Trade Corridor Enhancement Account (10 cents per diesel fuel gallon (CPIindexed); about \$3 billion over first 10 years)

