

Kern Area Regional Goodsmovement Operations (KARGO)

SUSTAINABILITY STUDY PHASE II

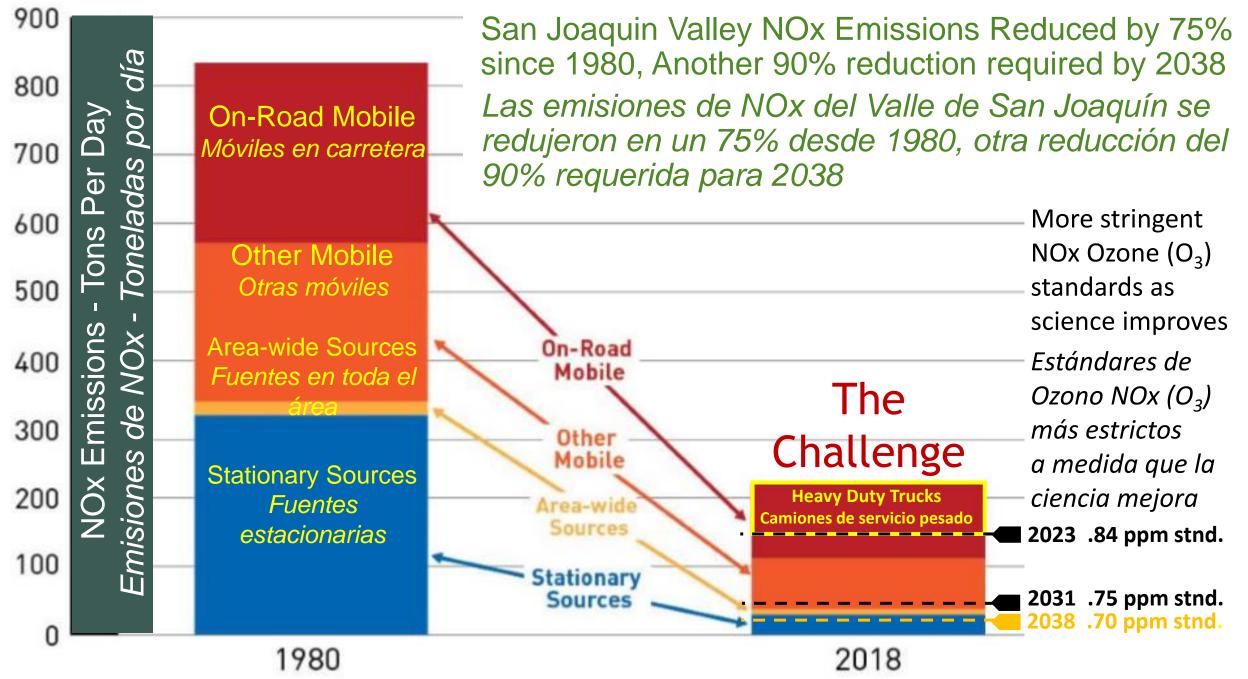


Kern COG - Rob Ball, Ben Raymond, Karl Davisson, Tom Whitaker

Fehr & Peers - Fatemeh Ranaiefar, Nico Boyd

Mark Thomas Engineers - Cynthia Horner

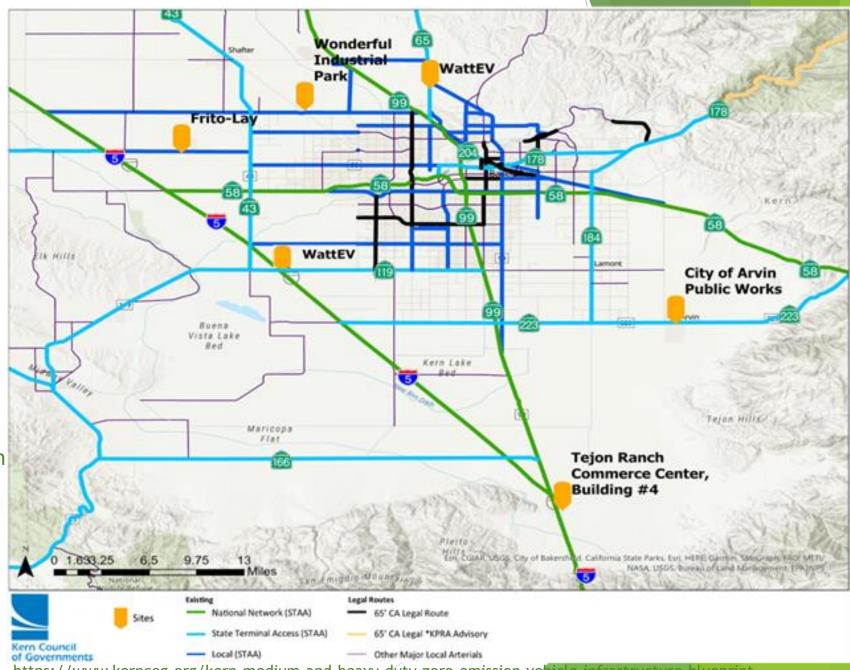
EPS - Jason Moody



Truck Zero Emission Vehicles (ZEVs) Are Part of the Solution



Figure 8.3 Kern High Priority Medium- and Heavy-Duty ZEV Infrastructure Projects



https://www.kerncog.org/kern-medium-and-heavy-duty-zero-emission-vehicle-infrastructure-blueprint



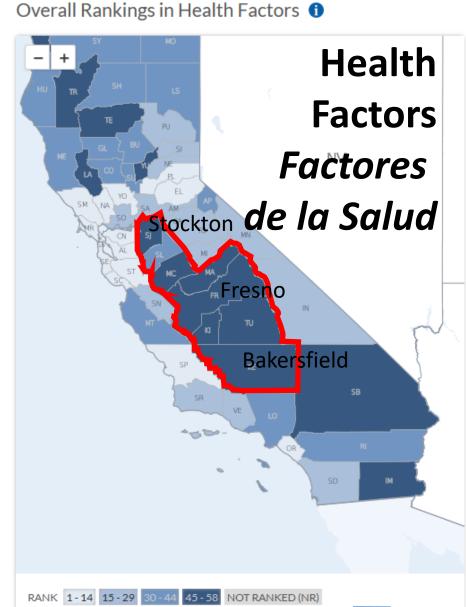
RWJ COUNTY HEALTH RANKINGS:
To improve under this health ranking method, we need a balanced approach to improve the environment and economy. Roughly half their factors are economic.

CLASIFICACIONES DE SALUD DE CONDADO DE RWJ:

Para mejorar bajo este método de clasificación de la salud, necesitamos un enfoque equilibrado para mejorar el medio ambiente y la economía. Aproximadamente la mitad de sus factores son económicos.



Overall Rankings in Health Outcomes 1



http://www.countyhealthrankings.org/explore-health-rankings/our-methods

Transportation Investment in Goods Movement Helps Drive the Economy

La inversión en transporte en el movimiento de mercancías ayuda a impulsar la economía

Greater economic opportunities

Mayores oportunidades económicas

More jobs Mas empleos

Need for more production Necesidad de más producción Investment in transportation
Inversión en transporte

The upward economic spiral

económica ascendente Efficient transportation

Transporte eficiente

Lower distribution cost
expands market area

Área de mercado ampliada y
menor costo de distribución

Increased demand

Aumento en la demanda

Lower cost for consumers

Menor costo para los consumidores



Automated Warehousing/Manufacturing Jobs - High Tech/Good Pay & Benefits

One of 3 New Automated Perishable Grocery Distribution Centers in the U.S.





6 out of 7 Kern Residents <u>Favor New</u> Distribution Centers Spring 2019 statistically valid survey*

• 1,400 people in Kern were asked: "Recently new employers, such as Amazon.com, have located in Kern County, creating many new jobs in the County. These jobs have also created new commuter and truck trips. Do you think these new jobs are worth the additional traffic?"

82% say worth it, 13% not worth it, ~5% didn't know or no answer

*2019 is the last time this question was asked. Survey available online with other survey results thru 2023: https://www.kerncog.org/quality-of-life-survey/



Inland Empire's Sales Tax Measures & Impact Fees May Have Been

The New Hork Times

California's Inland Empire Pushes Back on Booming Warehouse Construction

Several municipalities have halted new projects to study their impact on pollution and congestion.



Bv Kurtis Lee

Oct. 17, 2022

https://www.nytimes.com/2022/1 0/17/us/california-inland-empirewarehouse-construction.html

Susan Phillips, a professor of environmental analysis and director of Pitzer College's Robert Redford Conservancy for Southern California Sustainability and San Bernardino County Supervisor Curt Hagman with warehouses in San Bernardino county (Getty, San Bernardino county, Pitzer)







IE warehouse boom generates ca

Letter from 60-plus groups: "We have a right to not be









moratorium

JAN 31, 2023, 6:33 PM

By TRD Staff

JAN 31, 2023, 6:33 PM

https://therealdeal.com/la/2023/01 /31/ie-warehouse-boom-generatescall-for-building-moratorium/



Equivalent Single Axel Loads (ESALs) One Loaded 18-Wheeler = 3,000-10,000 cars of road ware on the highways

Note that a 5-axel truck typically pays 48 times what a passenger 5.11 car pays in federal fuel taxes. Consumers see lower store prices because of this apparent but disputed subsidy to trucking. **ESALs** per Vehicle https://cdllife.com/2021/ooida-ata-team-up-to-combat-deeply-concerningtruck-only-0-25-vmt-tax-plan/ 0.0007 0.10 Loaded 40' Bus Car **Delivery Truck** Loaded 18-Loaded 60' Wheeler **Articulated Bus** Many of Kern's roadways were not designed to handle the anticipated increase in truck volumes. Revenue needs to be acquired to rebuild roads to a higher Traffic Index.

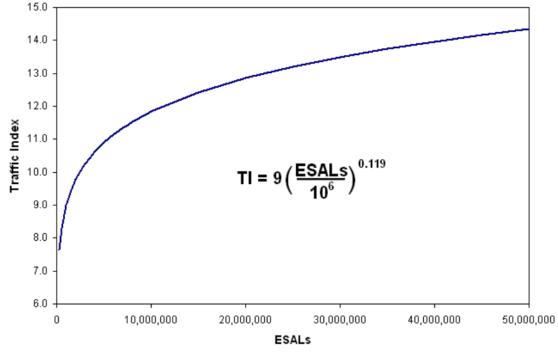


Figure 9: Traffic Index vs. ESALs

Figure 8: Some typical Load Equivalency Factors

https://pavementinteractive.org/reference-desk/design/design-parameters/loads/

Challenge: Can Kern achieve the benefits of good paying/well benefited jobs while avoiding the air quality, road safety, traffic, road maintenance, and other impacts of trucking on our communities?

KARGO Phase II - Who's been involved so far?

- Project Team
 - ► Cities, County, Caltrans, Industry, COG Staff, Consultants
- Public Participants
 - Residents Countywide Including Arvin, Bakersfield, Lamont, and Shafter
 - Kern Transportation Foundation, California Trucking Association, Central California Rail Shippers/Receivers Association, SJVAPCD AB 617 Work Groups Shafter/Lamont, Center for Race Poverty & Environment
- ► Potential Future Participants
 - ► Local jurisdictions vote to place a measure on ballot
 - ▶ Most funding programs require a 2/3rds voter approval
 - ► Voters ultimately have the final say

Public Engagement Feedback

- Kern Transportation Foundation Symposium 10/28/21 7th Standard Rd improvements needed; S. Arvin Corridor good idea; Intermodal rail expansion S. of 7th Standard; Alt fuel facility near BFL Airport
- SJVAPCD AB 617 Shafter Committee Online Mtgs. 1/10/22, 3/14/22
 Reduce traffic on 43 near Buena Vista school; What are benefits to Shafter residents not just business? remove at grade RR crossings through Shafter for safety and reduce noise from RR Xing bells; Enforce businesses payment for road improvements
- Center for Race, Pov. & Env. (CRPE) mtg w/CA Transp. Comm. 3/24/22 Concern for rural, low-income communities burdened by transportation inequities; Dangerous conditions for residents with disabilities, limited or no maintenance for pedestrian accessibility; Major safety concerns exist with rail crossings; Freight traffic creates substantial health/safety burdens throughout agri-industrial rural communities; Excessive noise pollution/congestion issues create burdens for communities near hwys.
- CRPE hosted mtg online for KARGO Study 5/26/22

 Extend Mt. Vernon to Panama Ln and make it a truck route; Redirect trucks from 184 Lamont to Edison Rd; Reroute trucks away from 43 & Lerdo Hwy in downtown Shafter; S. Arvin Corridor would reduce trucks on 223 through Arvin; trucks need to pay for road maintenance; Fees need to be used for street improvements, not govt. waste

KARGO Phase II - Goal/Major Tasks



SUGGEST GENERAL PLAN
CIRCULATION ELEMENT AND
STAA TRUCK ROUTE MAP
CHANGES TO ACCOMMODATE
LONG RANGE FREIGHT GROWTH



PREPARE FOR THE EXPECTED FREIGHT GROWTH IN THE REGION



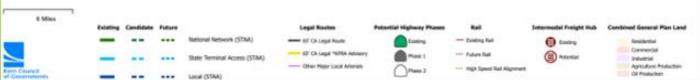
A NEXUS STUDY TO ACCOUNT FOR FREIGHT TRANSPORTATION NEEDS (ROAD MAINTENANCE, CAPACITY, CLEAN TECH, ETC.)

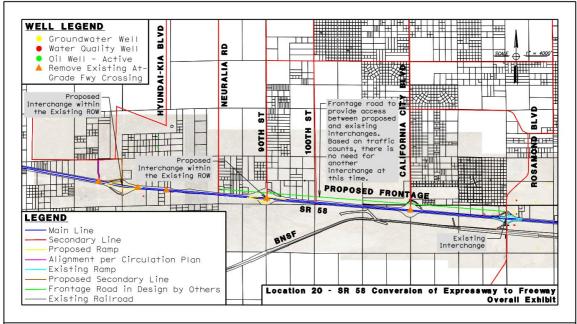


KARGO II - Suggested Truck Routes, Proposed Right Of Way & Circulation Element Map Updates (sample maps)

Figure 0.1 Existing, Candidate, and Future Truck Routes (Sample Maps from Appendix A1)





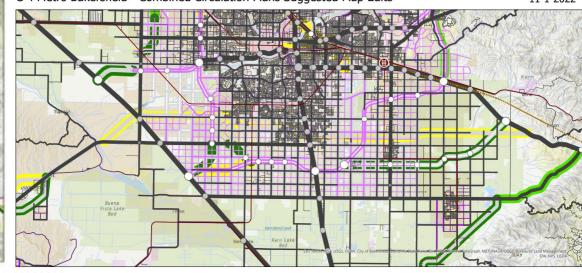


MARK
THOMAS

KARGO PHASE 2 STUDY EXHIBIT: SKETCH

C-4 Metro Bakersfield - Combined Circulation Plans Suggested Map Edits

11-1-2022

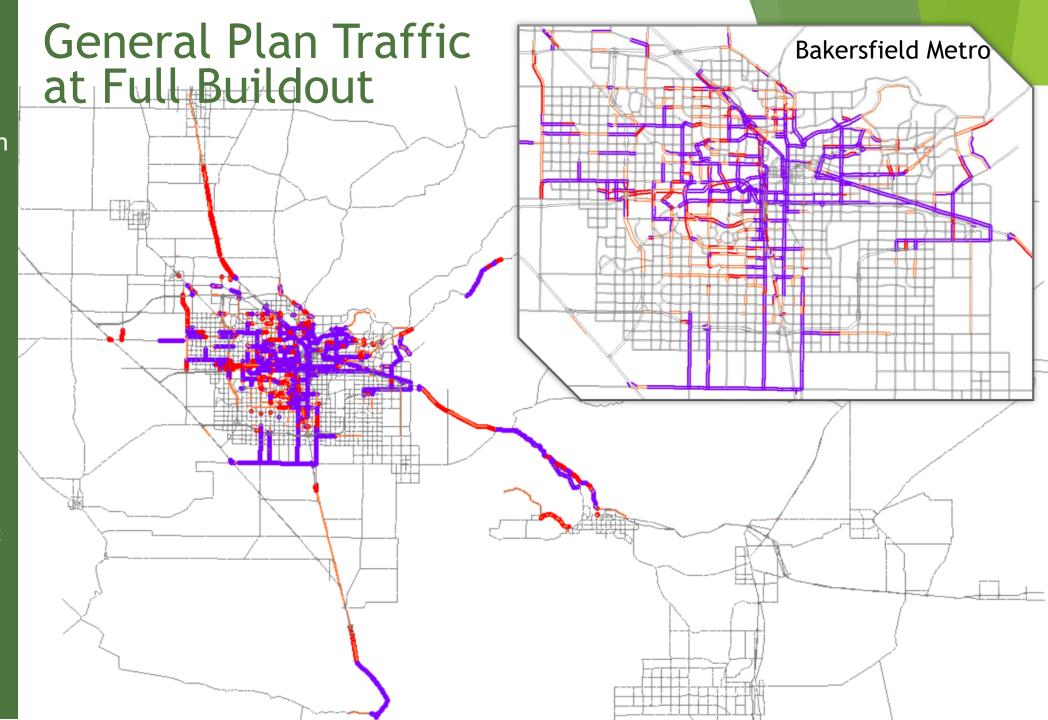


WHY So Long Range?

Adopted general plan entitlements in Shafter and Bakersfield will bring most roads to LOS E or F by approx. the year 2100 even with full buildout of the current circulation plans. Circulation elements need updating.

Buildout Traffic Projection

LOS F worse
LOS E
LOS C or D

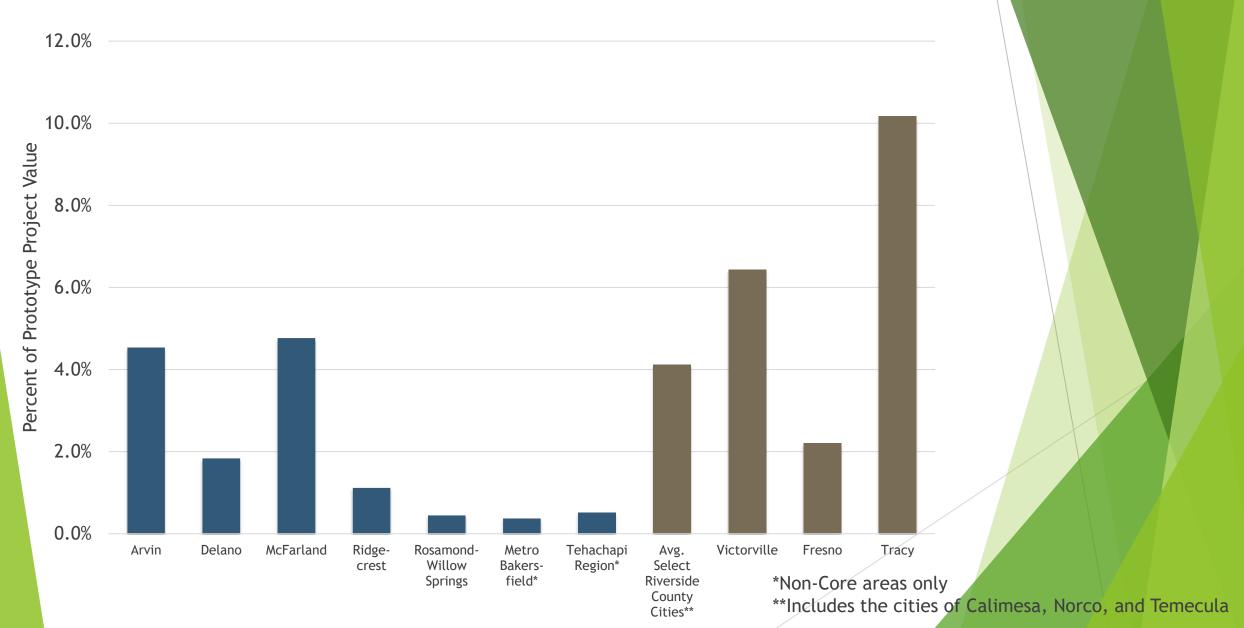




In collaboration with stakeholders, identify strategies, projects and programs to:

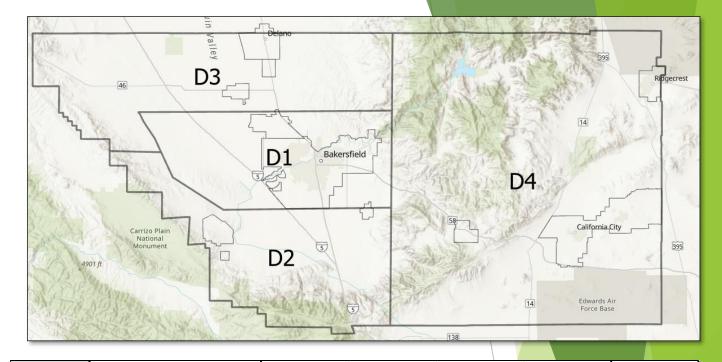
- ► Adopt Clean Tech need to incentivize a faster shift to zero-emission technologies to achieve GHG reduction and AQ improvements goals;
- ► Add Network Capacity where truck volumes are anticipated to grow the most;
- Improve Maintenance identify a mechanism to safeguard the longevity of all capacity enhancing improvements that are made;
- Maintain Competitiveness and Economic Benefit attract high-paying/high-tech jobs in the industrial / logistics industries

FEE BURDEN AS A PERCENT OF PROJECT VALUE - TODAY



Projected Industrial Land Use Growth By 4 Sample Districts & Countywide

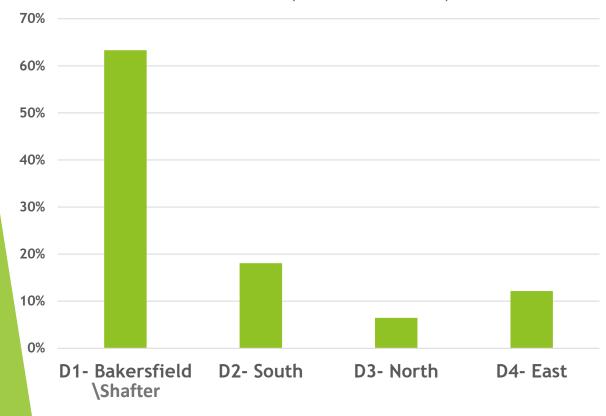
- Period: 2022-2046
- ► 40 million Square of new Industrial use
- Volume of growth: Bakersfield, Kern County, and Shafter have 85% of overall growth



		54	D 2	D 2	D.4	1/
	_	D1-	D2-	D3-	D4-	Kern
Period	Land Use	Bakersfield	South	North	East	County
	House Hold	197,880	14,779	22,665	50,668	285,992
	Population	640,052	48,748	89,070	133,251	911,122
2022	Total Employee	234,804	23,967	44,845	40,161	343,777
Base Year	Indistrial/Agg Employee	69,613	14,530	24,165	4,615	112,923
	House Hold	240,488	29,053	26,083	58,634	354,258
2046	Population	826,356	93,808	110,536	165,863	1,196,563
Future	Total Employee	267,314	37,249	48,326	47,125	400,015
Baseline	Indistrial/Agg Employee	78,982	21,040	25,789	6,709	132,520
Growth	House Hold	42,608	14,274	3,418	7,966	68,266
2022-	Population	186,305	45,059	21,466	32,611	285,441
2046 Base	Total Employee	32,511	13,282	3,482	6,964	56,238
Scenario	Indistrial/Agg Employee	9,369	6,510	1,624	2,094	19,597

Projected Truck Traffic Growth

Distribution of Truck Trips Growth (2024-2046)



2022 Base Year											
Region	Total	Passenger cars	Medium Trucks	Heavy Trucks	All Trucks						
D1	3,147,754	2,944,343	184,411	19,000	204,214						
D2	188,444	168,452	16,006	3,987	20,333						
D3	329,905	294,825	28,230	6,850	35,659						
D4	469,784	435,306	31,864	2,615	34,543						
Kern	4,135,888	3,842,925	260,510	32,452	294,749						
External	283,896	160,230	9,327	43,047	42,580						

2046 Baseline RTP/SCS Without WUC

Region	Total	Passenger cars	Medium Trucks	Heavy Trucks	All Trucks
D1	3,707,601	3,468,875	216,816	21,910	239,621
D2	326,938	296,855	25,349	4,734	30,440
D3	373,950	335,300	31,228	7,422	39,272
D4	555,301	514,058	37,922	3,321	41,345
Kern	4,963,790	4,615,088	311,315	37,387	350,677
External	320,649	183,566	11,968	49,521	49,438

2046 No Ind Agg , No WUC

Region	Total	Passenger cars	Medium Trucks	Heavy Trucks	All Trucks
D1	3,684,575	3,451,305	212,597	20,673	234,054
D2	307,761	280,490	22,900	4,371	27,604
D3	370,613	333,010	30,477	7,125	38,196
D4	549,894	509,885	37,015	2,995	40,080
Kern	4,912,844	4,574,690	302,989	35,164	339,935
External	316,819	179,737	11,967	49,521	49,438

Prioritizing Freight Transportation Improvements

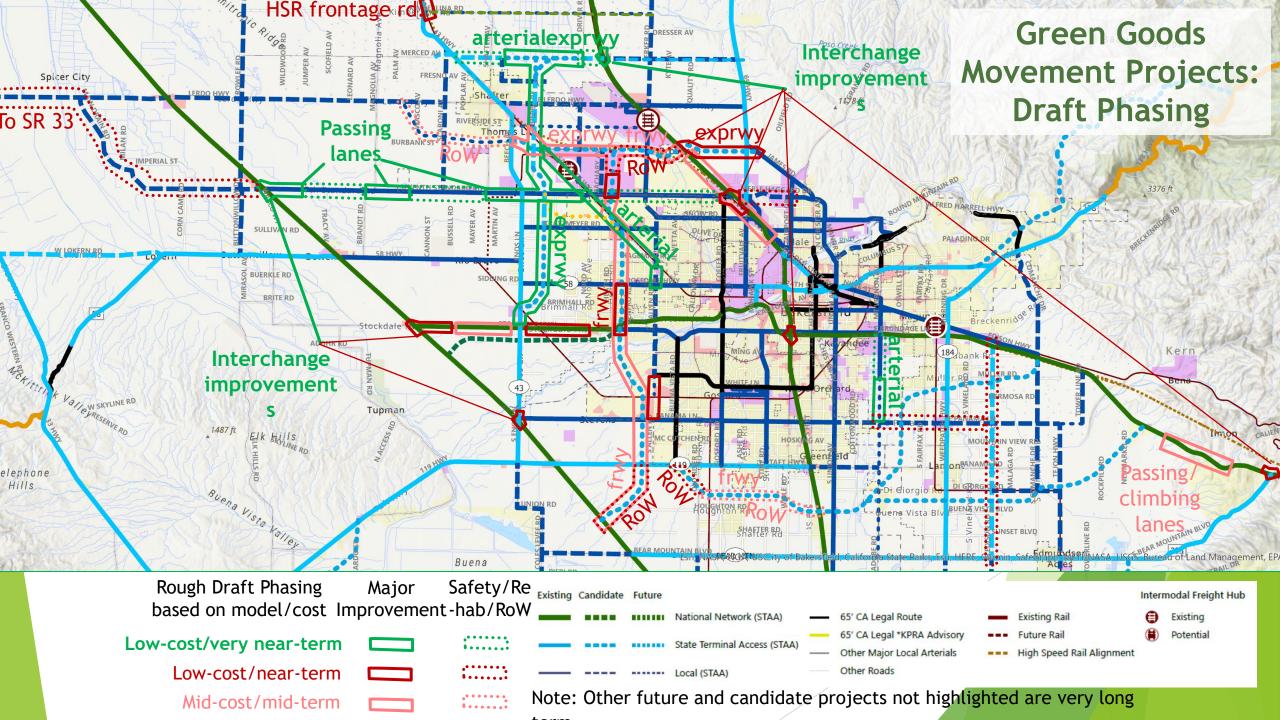
Low Cost / Near Term

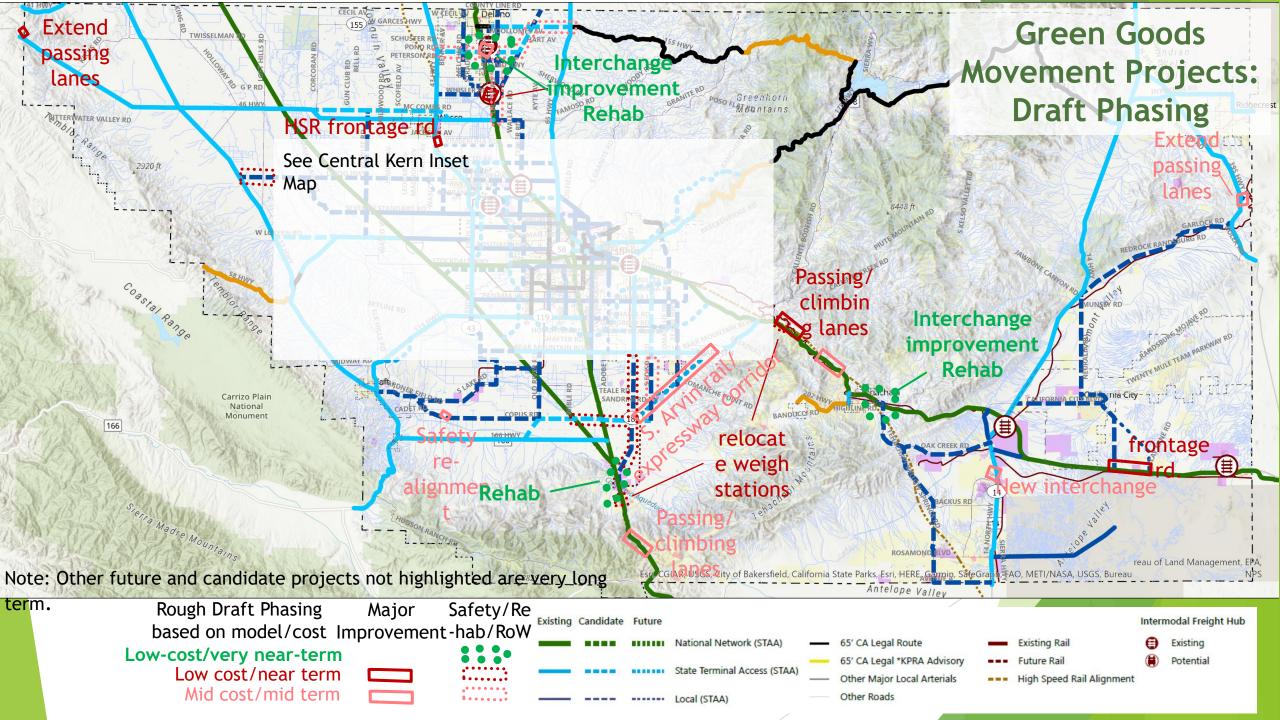


Mid Cost / Mid Term

a. Complete WUC 99 - I-5 (formerly W Bltwy) b. Burbank Expwy, 43 Beech-WUC c. 99, Burbank Corr-Beardslee Canal d. 58 Truck climb/pass lanes, 223-Tower Line Rd e. 58 Stockdale passing lanes, Enos toward I-5 f. S Arvin Corridor g. I-5 Grapevine 2nd truck climb/passing lanes ___ h. Copus safety realignment D3 Z i. 99/Pond Rd I-change/ __ j. Tehachapi and CA-58 Ramps k. 14/Purdy Av I-change D4 🛂 I. 395 extend passing lanes, N of Garlock Rd ■ m. I-5 & 58 truck weight station relocations

(Green text denotes suggested projects for draft phase I of Impact Fee Nexus Study)

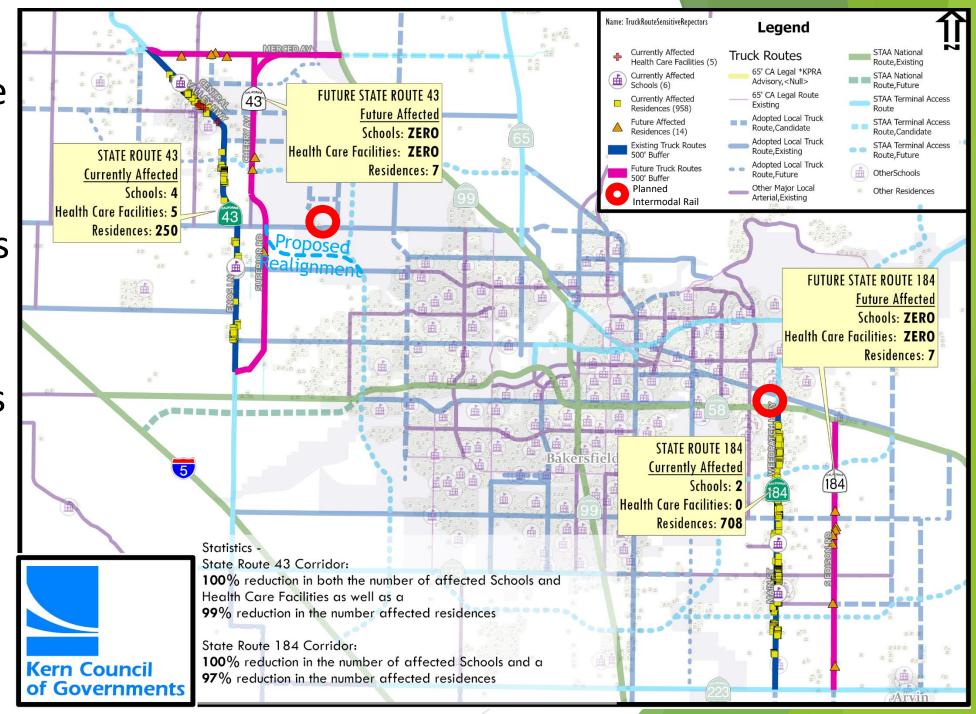




Potential projects to move truck traffic away from homes & schools on State Routes 43 & 184, providing spokes to planned intermodal rail hubs.

Source: KARGO Sustainability Study

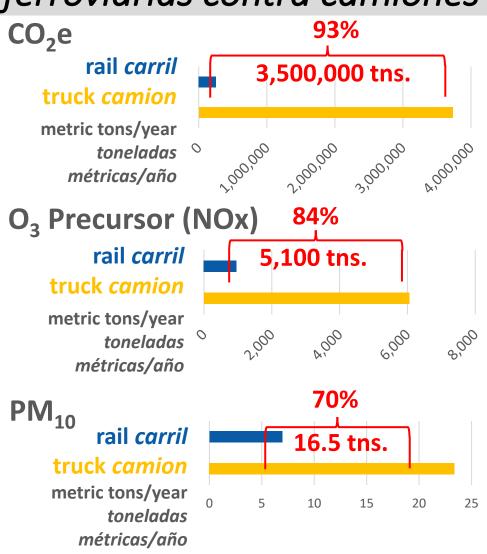
Phase II



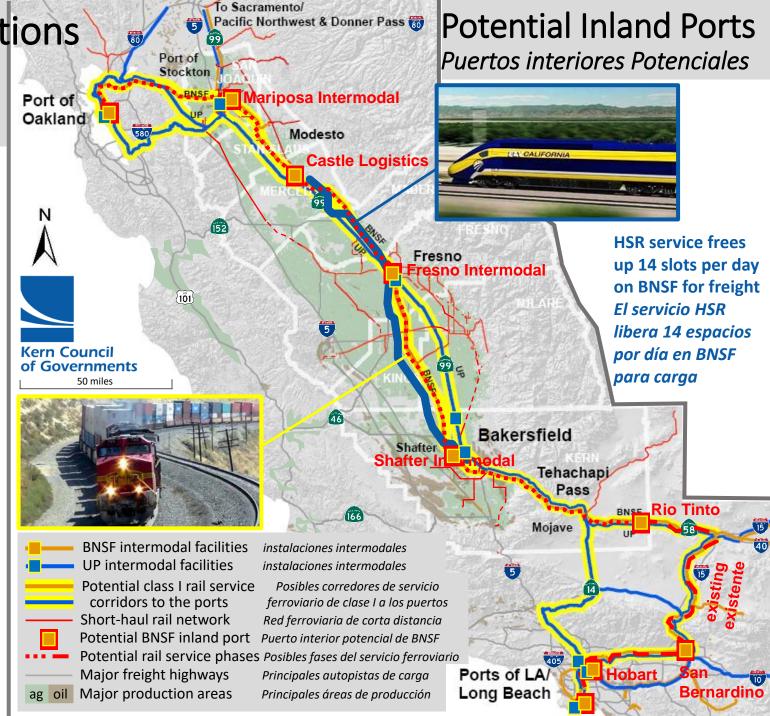
Rail vs. Truck Emission Reductions

Reducción de emisiones

ferroviarias contra camiones

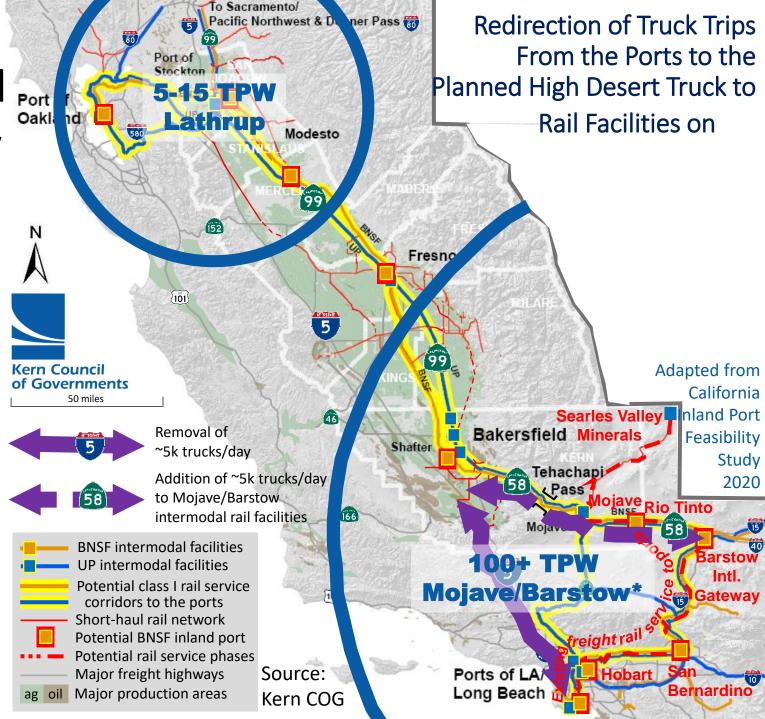


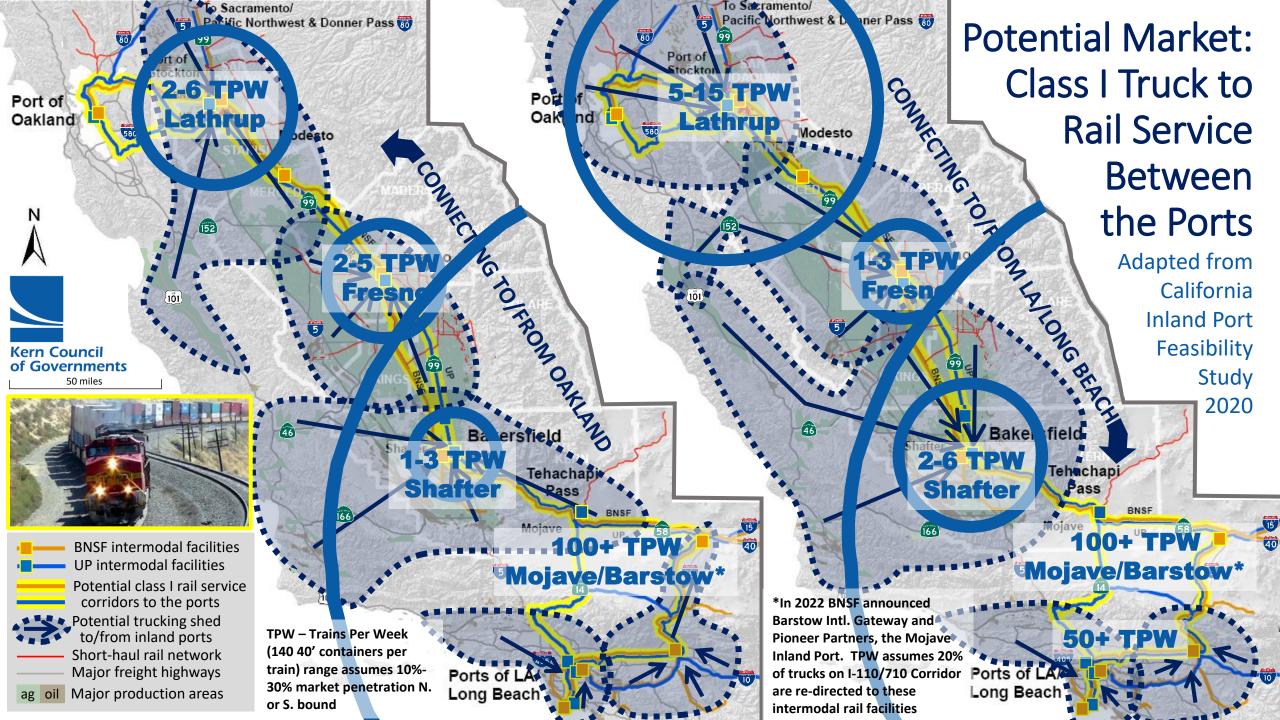
Source *Fuente*: California Inland Port Feasibility Study 2020



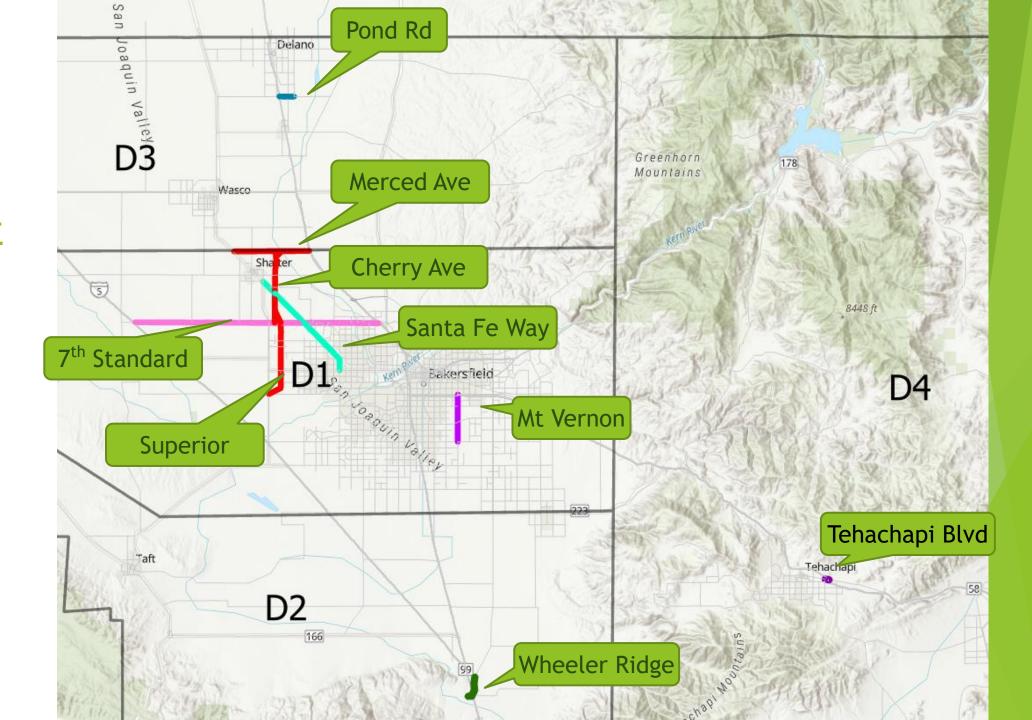
Barstow Intl. Gateway
Truck to Rail Facility Could
Shift 5,000 Trucks Per Day
From 5 to





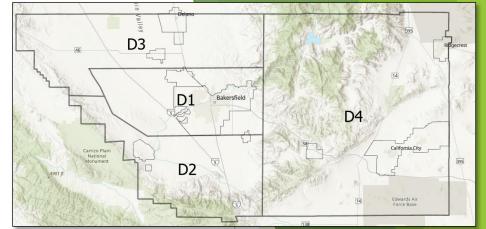


Early
Phase I
Projects
for Draft
Nexus
Study



Draft Phase I - Impact Fee Projects

ID	Nexus District	Main Route	Brief Description	Approximate cost (Million \$)
1	D1	Santa Fe	Santa Fe Wy, Burbank-Rosedale Hwy	\$88.20
2	D1	7th Std	I-5/7th Std Rd I-change	\$20.00
3	D1	7th Std	7th Std Rd-passing lanes, 43 - I-5	\$6.74
4	D1	7th Std	7th Std Rd Concrete Rehab, 43 - I-5	\$50.34
5	D1	7th Std	7th Std Rd Concrete Rehab, 43 - 99	\$62.04
6	D1	Cherry	Merced Av - Expressway, 2 canal bridges	\$59.42
7	D1	Cherry	Cherry Av - Expressway, 2 grade seps.	\$53.59
8	D1	Superior	Superior Rd - Expressway, 1 grade sep	\$84.44
9	D1	99	99/Merced I-change Improvements	\$30.00
10	D2	Wheeler Ridge	Wheeler Ridge/Laval Rd TRCC core, safety rehab	\$11.42
11	D1	Mt Vernon	Mt Vernon/58-Planz, safety rehab	\$28.41
12	D3	Pond Rd	Pond Rd, Richgrove/43-155, safety rehab	\$3.00
13	D4	Tehachapi Blvd	Near 58 Summit I-change	\$1.20
	All	Projects		\$498.80



Cost Estimate

Nexus District	Total Cost (Million \$)
D1	\$483.18
D2	\$11.42
D3	\$3.00
D4	\$1.20
County	\$498.80

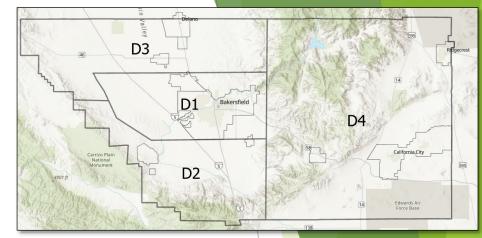
Potential Fee Program Structures

Scenario	Who pays?	Region	Structure	Metric for Fee	Notes
S1	Only Industrial	Countywide	Single Fee	•	Majority of growth is in North Bakersfield, Shafter, County; projects should address those areas
S2	Commercial /Industrial (Non- Residential)	Countywide	Single Fee	Trips Generated by	Some uses may get a fee reduction (ex., 30% discount for retail because of pass-by trips; 140% for industrial because of trucks; truck stops get a discount for pass-by trips)
S 3	Everyone (residential and commercial)	Countywide	Single Fee	Trips Generated by Land Use	Some cities already have a fee for residential so there is a need to ensure that the same land uses are not included in multiple fee programs; if fees overlap, cities should pay a lesser regional fee; the benefit of this approach is that everyone pays less since the fee is distributed more widely, and by providing more capacity for trucks, residents also benefit from less congestion

Units of Calculating Fee:

- Number of trips (cars, Trucks, all, PCE)
- Square feet of development
- Dwelling Units

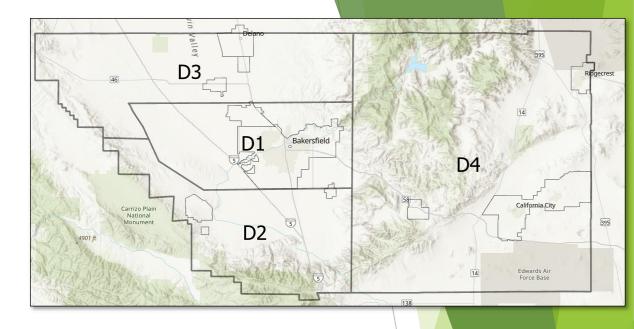
Potential Fee Calculation Units



	Growth	Growth in Trips								
District	Dwelling Units	All Employees	Industrial/ Agg Employee	Industrial land 1000 square feet *	Car- All	Car- Industrial	Trucks All	Trucks- Industrial	Vehicles- All	Vehicles- Industrial
D1	42,608	32,511	9,369	19,518.6	524,532	17,570	35,407	5,567	559,939	23,137
D2	14,274	13,282	6,510	13,561.9	138,494	26,455	10,107	2,836	148,601	29,291
D3	3,418	3,482	1,624	3,384.0	44,045	5,860	3,613	1,076	47,658	6,935
D4	7,966	6,964	2,094	4,362.7	85,517	10,938	6,801	1,264	92,318	12,202
County	68,266	56,238	19,597	40,827.2	827,902	96,137	55,929	10,743	883,831	106,880

^{*}assuming 0.5 industrial employee per 1000 sf of industrial development building

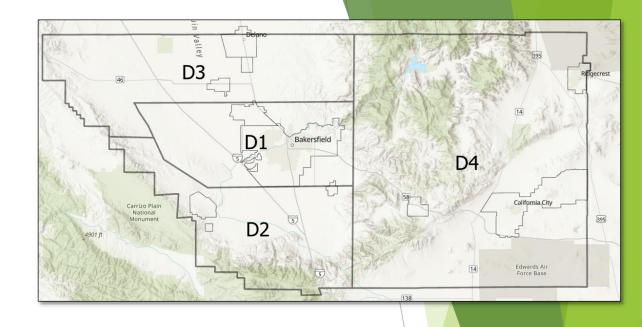
Growth as % of Total Future Value - Fair Share



District	Growth ir	n Land Use 204	16-2022	Growth in Daily Trips		
	all EMP	IND+ AGG Emp	Population	Total Vehicles	Trucks	PCE*
D1	12.2%	11.9%	22.5%	15.1%	14.8%	15.1%
D2	35.7%	30.9%	48.0%	42.4%	33.2%	41.3%
D3	D3 7.2%		19.4%	11.8%	9.2%	11.5%
D4 14	14.8%	31.2%	19.7%	15.4%	16.5%	15.5%
County	14.1%	14.8%	23.9%	16.7%	15.9%	16.6%

- the impact of each unit of growth in employment is assumed to be 1 unit of growth in population
- PCE=Passenger Car Equivalency

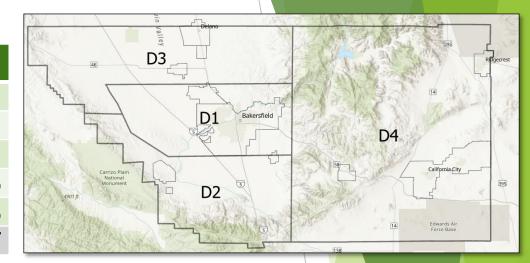
Fee Calculation Rates (\$ per daily trip)



Region	IND+Agg - PCE	Non-R	esidential	- PCE	All Uses - PCE
D1	\$ 1,929	\$	450		\$ 122
D2	\$ 158	\$	65		\$ 32
D3	\$ 40	\$	24		\$ 7
D4	\$ 54	\$	6		\$ 2
County	\$ 1,158	\$	303		\$ 93

Summary of Fee Scenario

New Trips Estimated to be Added by 2040 (PCE)										
District	S1	S2	S3							
D1	29,718	130,531	598,071							
D2	22,351	62,431	149,331							
D3	4,681	9,097	48,186							
D4	6,967	29,203	92,988							
Total	63,717	231,262	888,577							



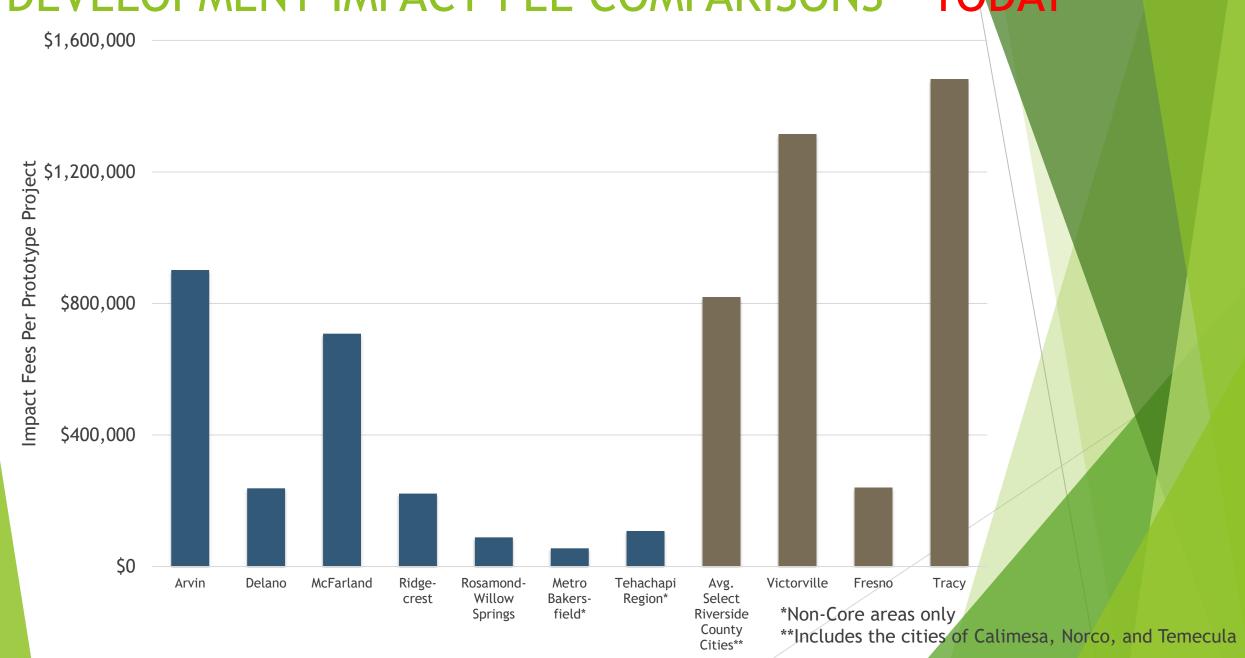
Fee Scenario	S1: only industrial	S2: all commercial	S3: all uses
Fee \$/PCE trip	\$ 1,158	\$ 303	\$ 93
Fee contribution to total cost	14.8%	14.1%	16.6%

Total Fee Collected by 2040: dollars				
District	S1	S2	S3	Project Cost: Mil \$
D1	\$ 57,315,334	\$ 58,764,173	\$ 72,822,248	\$ 483.18
D2	\$ 3,533,357	\$ 4,072,043	\$ 4,714,124	\$ 11.42
D3	\$ 188,954	\$ 216,132	\$ 344,169	\$ 3.00
D4	\$ 374,544	\$ 177,329	\$ 186,019	\$ 1.20
Total	\$ 73,762,436	\$ 70,126,358	\$ 82,847,104	\$ 498.80

Measuring Competitiveness with a Prototype Industrial Project

- Built after 2012 (for lease rate comparisons)
- Site Area: 9.56 acres
- Gross Building Area: 106,320 square feet
- Rentable Building Area: 105,699 square feet
- Assumed "Heavy Industrial" fee when necessary
- Impact fee rates modified by applicable geography

DEVELOPMENT IMPACT FEE COMPARISONS - TODAY

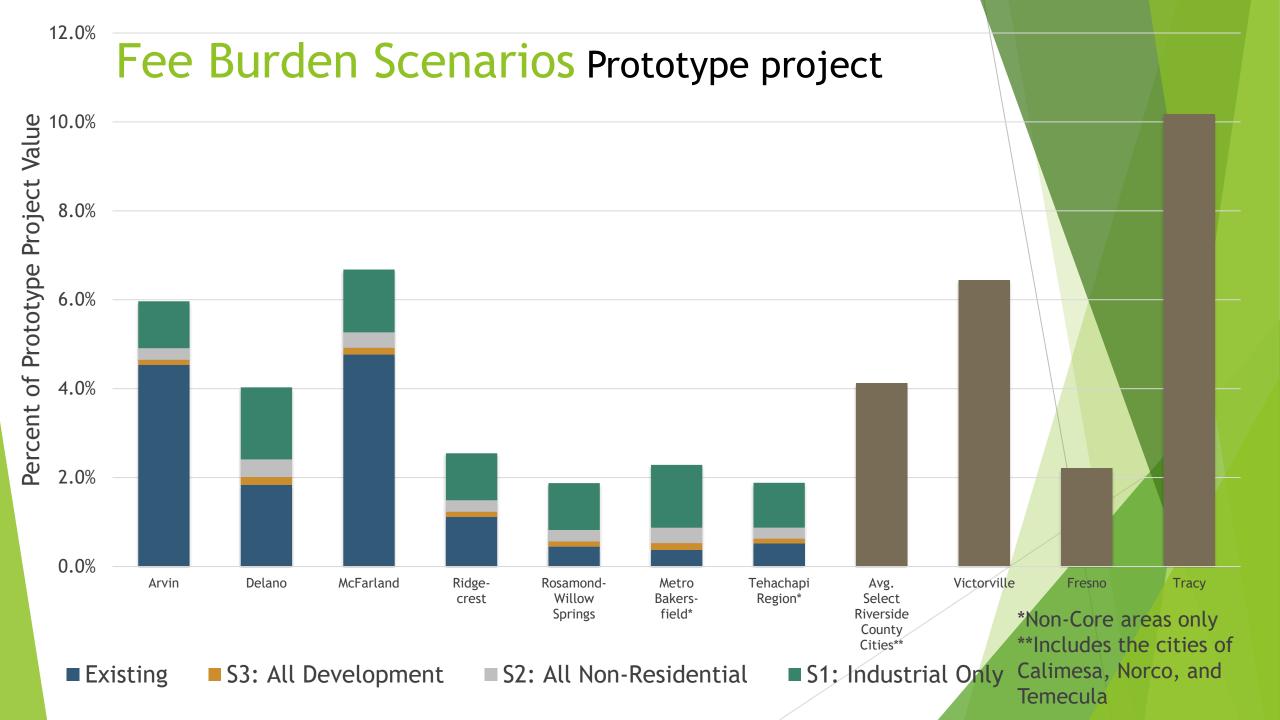


New Nexus Fee Prototype project

General Warehouse ITE 150		
105.699	ksf	
1.71	ALL trip per ksf	
0.6	Truck trips per ksf	
2.31	PCE trips per ksf	
53	employee	
181	Daily trips	
244	Daily PCE trips	
S1- Only Industrial		
\$ 331,712	Toal Fee	
\$ 3.14	Fee per sf	
S2-All commercial		
\$ 86,150.96	Toal Fee	
\$ 0.82	Fee per sf	
S3-All uses		
\$27,299.06	Toal Fee	
\$ 0.26	Fee per sf	

DEVELOPMENT IMPACT FEE SCENARIOS Prototype project





Other **Potential** Local / Regional Revenue **Options** Besides a Truck TIF

1	En Int Fit (E
	Mo Pil ZE
	Sa
1	Pro Di:
	Ga
	Bu or ind
	Pr Mi

	Measure / Source	Approval Process	Advantages	Disadvantages
•	Enhanced Infrastructure Financing Dist. (EIFD)	Approval by Council / Board of participating jurisdictions	Does not raise taxes, Can be limited to a specific district	Re-directs potion of future property tax revenue increases from general fund of participating jurisdictions
1	Mobility/VMT Fee Pilot- Autonomous ZEV Trucking	Ordinance approval by County Board of Supervisors/jrsdctn	Tax incident on ZEV truck road users not paying diesel tax	Initially a small revenue source
	Sales Tax Measure	2/3 ^{rds} voter approval	Largest potential revenue generator	Recent local general sales tax increases may hinder support
	Property Assmt. District (e.g., Mello-Roos CFD)	2/3 ^{rds} landowner / voter approval	Most applicable for local serving facilities	Less applicable to regional serving projects.
	Gas or Diesel Tax	2/3 ^{rds} voter approval	Tax incidence focused on users / beneficiaries	Incentivizes "Fuel-up" outside County. Clean tech → declining revenues
	Business License or parcel tax on industrial uses	2/3 ^{rds} voter approval	Tax incidence focused on users / beneficiaries	May impact local economic competitiveness
	Project Specific Mitigation (CEQA)	Local jurisdiction entitlement process	Direct nexus with local development	Less applicable to regional serving projects

Enhanced Infrastructure Financing District (EIFD)

- Provide an emerging form of tax increment financing available to local public agencies in California
- May be formed over a defined area (the district), including non-contiguous areas, by a city, county, or joint powers authority (JPA), to capture incremental increases in property tax revenue from future development and assessed value appreciation
 - ► Without an EIFD, this revenue would accrue to the City's General Fund (or other property-taxing entity revenue fund
 - ► EIFDs do not provide access to property tax revenue beyond the share agreed to by participating jurisdictions (e.g., City and County)
- Establishment requires approval by every local taxing entity that will contribute its property tax increment
- Revenues may be used to provide funding and financing for broad range of infrastructure projects, provided those projects have a useful life of 15 years and are of 'community-wide' significance

Pilot Mobility Fee - Autonomous/ZEV Trucking Zone

- Trucking fleets already track their mileage and to pay the IFTA tax by state jurisdiction.
- Autonomous truck vendors are looking for a warehouse-to-warehouse haul in a rural area to test their new technology.
- ► Kern is an ideal location for testing this technology and potentially benefitting from high tech jobs.
- Many autonomous trucks use ZEV technology but do not pay diesel fuel tax.
- ► Autonomous technology easily collects milage data.
- ► KARGO phase I study proposed creation of a Safer Autonomous Freight Enhanced Testing Environmentally Clean (SAFETEC) Logistics Zone in Kern.



vehicles-can-handle-it/335385

Proposed Kern SAFETEC Logistics Zone – Advanced Research Corridor Network

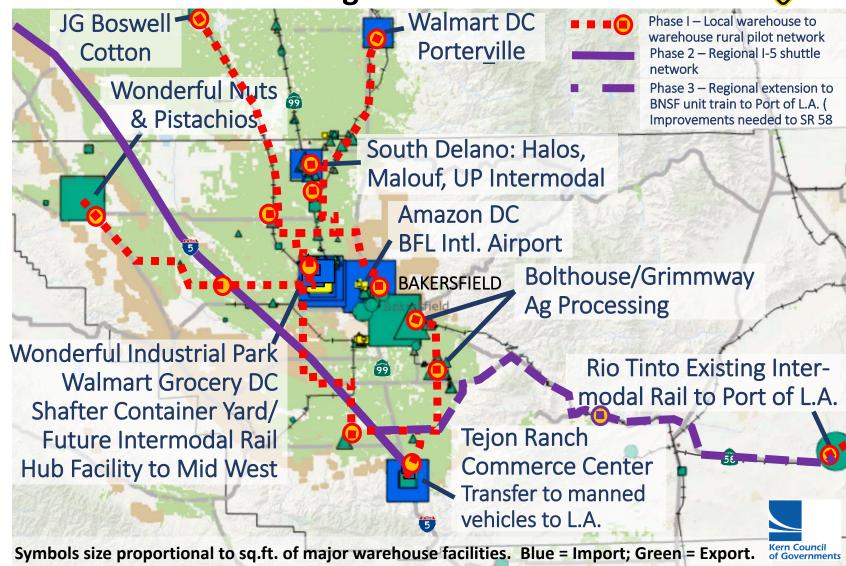
- <u>Safer Autonomous Freight Enhanced Testing Environmentally Clean (SAFETEC) Logistics Zone</u>











Sales Tax Measure

Approval Process:

• 2/3^{rds} voter approval

Advantages:

- Strong case for Kern to join other 24 Self-Help Counties Coalition (SHCC)
- Can generate significant revenue
- Tax exempt bond financing potential ("up-front" revenue)
- Maximum local control on use of funds

Disadvantages:

 Voter approval may be difficult

Illustrative Revenue Generation (high-level Calculation)			
Assumptions			
Annual Population Growth = Real Sales Tax Revenue Growth	1.29%		
Revenue			
2022 - with 1/4% Sales Tax	\$62,685,468		
2046 - with 1/4% Sales Tax	\$85,297,000		
Total Revenue (24 years): 1/4% Sales Tax	\$ 1,836,000,000		

Property Tax Measure

Approval Process:

2/3^{rds} voter approval

Advantages:

- Can generate significant revenue
- Can be used to secure tax exempt bonds - "up-front" revenue
- Maximum local control on use of funds

Disadvantages:

- Voter Approval may be difficult
- County already has relatively high property tax rate

Illustrative Revenue Generation (high-level Calculation)

	,					
		Assumptions				
	Annual Real Growth in Assessed Value		1%			
	Average Property Tax Rate		1.259%			
	New Property Tax for Transportation Project		0.05%			
Revenue			enue			
	Year	Total Assessed Value	Existing Property Tax Revenue	New Property Tax Revenue for Transportation		
	2022	\$96,672,959,000	\$ 1,217,576,000	\$ 48,336,000		
	2046	\$ 122,749,000,000	\$ 1,545,000,000	\$ 61,374,000		
	Total	Revenue (24 years)	\$ 34,375,000,000	\$ 1,365,000,000		

State or Federal Funding Sources

Approval Process:

 State / Federal appropriations, rule-making, competitive selection

Advantages:

- Numerous "pots" of money may be applicable
- Does not raise local taxes or require voter approval

Disadvantages:

- Funding is competitive and uncertain
- Many restrictions on use of fund, matching source needed

Program Examples (partial listing)	Type of Facility
Highway User Tax Account (HUTA)	Pavement
SB1 Road Maintenance Rehabilitation Acct. (RMRA)	Pavement
Regional Surface Transportation Program (RSTP)	Pavement
Transportation Development Account (TDA/LTF)	Pavement
Highway Safety Improvement Program (HSIP)	Pavement / Bridge
Highway Bridge Program (HBP)	Bridge
Highway Infrastructure Program (HIP)	Bridge
Rebuilding American Infrastructure with Sustainability and Equity (RAISE)	Varies

Conclusions

- To do nothing will likely result in accelerated pavement degradation, and potential backlash toward new warehousing projects.
- ► The B3K economic development effort in Kern calls for automated manufacturing/warehousing high-paying tech jobs. Identifying infrastructure investment to support this much needed industrial diversification in the economy is being driven the curtailment oil production by the state.
- Revenue programs should have a return to source provision.
- Revenue programs can incentivize shipping by rail to reduce road wear.
- ► EIFD tax increment finance district is a promising new revenue program.
- Spread the burden develop multiple revenue programs.
- New revenue efforts need to be championed by both the social equity and private sector community leaders.

Next Steps for Consideration

- Finalize KARGO II study report
- Seek grant funding to refine impact fee project list and costs
- Select preferred funding and fee scenario
- Identify "Return to Source" percentages
- Finalize the impact fee schedule
- Complete a formal nexus study and draft ordinances
- Seek equity & business champions for voter approval efforts
- Seek approval by participating jurisdictions
- Seek grant funding to research EIFD and other revenue mechanisms
- Leverage state increase in climate adaptation grant funds for goods movement in the region