

Implementation of VMT Analysis and Senate Bill 743 (SB 743)

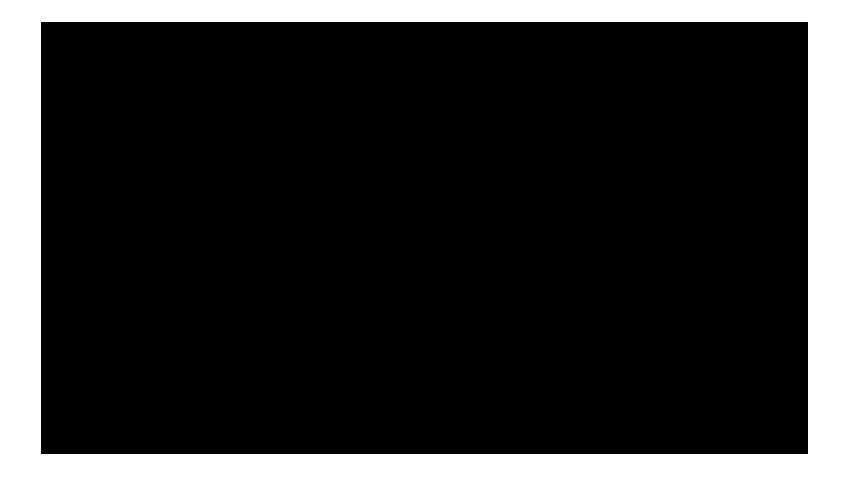
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What is VMT?



Senate Bill 743 (SB 743)

Does

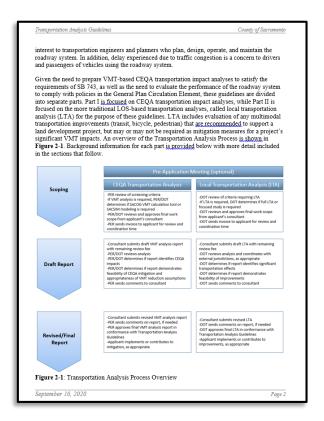
- Eliminate automobile delay and LOS from CEQA
- Suggest vehicle miles traveled (VMT) as a new metric for measuring transportation impacts for CEQA

Does Not

- Mandate any particular metric or significance threshold
- Preclude the County exercising its police power outside of CEQA

Path to Implementation

- SACOG Local Agency Working Group
 - 2019 ongoing
- Updated Transportation Analysis Guidelines (TAG)
 - March June 2020
- Approval of General Plan Amendment
 - Planning Commission: June 8, 2020
 - Board of Supervisors: October 6, 2020



SACRAMENTO

VMT Reduction in 2030 General Plan

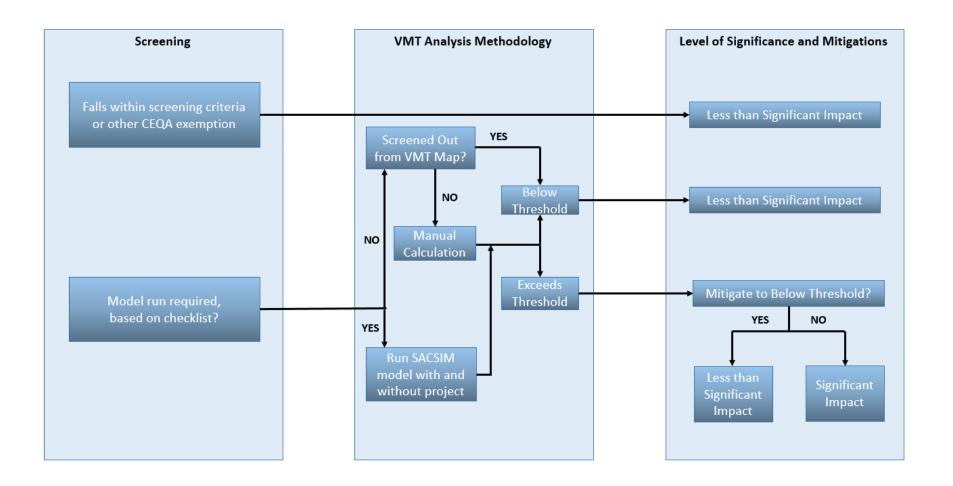
- 25% of Land Use Element policies focused on infill development
- LU-3: County's intent to focus investment of public resources on revitalization efforts within existing communities, especially within commercial corridors.
- New growth management policies (LU-119 and LU-120) developed with primary objective of reducing VMT
 - Higher densities to support transit
 - Infrastructure, including transit in place at the same time the project is developed
 - Jobs-housing balance reduces need for long commutes
 - Project design enables residents to walk, ride bicycle, or take transit to work and schools
 - Includes mixed-use development

VMT Reduction in Draft Climate Action Plan

- GHG-11 VMT Reductions
- GHG-12 Transportation System Management Plans
- GHG-13 Reduced Minimum Parking Standards
- GHG-14 Improve Transit Access
- GHG-15 Improve Pedestrian Network and Facilities
- GHG-16 Implement Traffic Calming Measures
- GHG-17 Improve Bicycle Network and Facilities
- GOV-EC-01 Establish Employee Transportation Program
- GOV-EC-02 Expand Transit Subsidy Program
- GOV-EC-03 Determine Feasibility of Employee Shuttle System
- GOV-EC-04 Expand Secure Bicycle Storage Facilities
- GOV-EC-05 Provide Carpool-At-Work Incentives

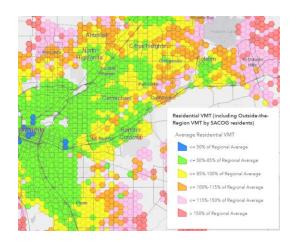


Process for a Land Development Project



Screening Criteria

- 1. Small Projects
- 2. Local Serving Retail
- 3. Local Serving Public Facilities/Services
- 4. Projects in VMT Efficient Areas
- 5. Transit Oriented Development
- 6. Affordable Residential Projects



Public, Civic, and Institutional Uses	Project Type
A. Assembly Uses	
1. Places of Worship or Other Religious Institution	RPFS
2. Private Social Center, Social Club, Fraternal Hall/Lodge	RPFS
B. Educational and Cultural Uses	
1. Art Gallery, Art Studio	RET
2. College, University	RPFS
3. School, Private	RPFS
4. School, K-12, Public	LPFS
5. School, K-12, Private	RPFS
C. Government Uses	
	LPFS or
1. Government and Local Agency Buildings and Uses	RPFS ²
D. Parks and Open Space	
1. Cemetery	RPFS
2. Community Garden	LPFS
3. Public Park	LPFS or RPFS ³
4. Wildlife Preserve	LPFS or RPFS ³
5. Market Garden	LPFS
E. Social Care Uses	·
1. Ambulance Service	LPFS
2. Adult Day Care Center	LPFS
3. Child Day Care Center	LPFS

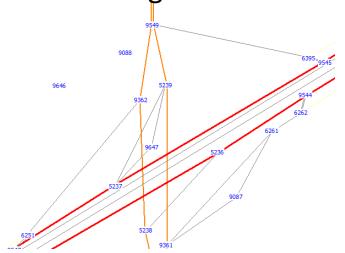
Commercial Uses	Project Type			
A. Commercial Service Uses				
1. Animal and Pet Services	RET			
2. Business Services	RET			
3. Personal Services	RET			
4. Repair Services	RET			
B. Eating/Drinking Uses				
1. Bar/Tavern	RET			
2. Catering Service	RET			
3. Restaurant, Carry- out/Drive- through/Sit-down	RET			
4. On-Sale Alcoholic Beverages	RET			
C. Entertainment / Recreation Uses				
1. General Recreation Facility, Indoor	RPFS ⁵			
2. General Recreation Facility, Outdoor	RPFS ⁵			
3. Driving Range	RPFS ⁵			
4. Adult Business	RET			
5. Arcade, Electronic, Mechanical, Video Games, or Computer Gaming Center	RET			
6. Boat Dock, Private	LPFS			
7. Campground	RPFS			
8. Card Room	RPFS			
9. Dancing in a Bar or Restaurant, Incidental	RET			



Calculation Methods

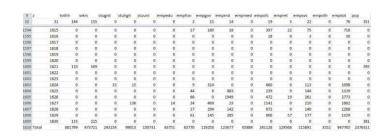
Travel Demand Model

- Estimates traffic and VMT from land use and transportation network
- Checklist
- Expensive and timeconsuming



Model-Based Calculation

- Use existing model data as proxy for development
- Requires consistency check



Significance Thresholds

Table B-1 Residential Tour Lengths and VMT per Capita						
Model Scenario	Average Round Trip Miles Home-Based Tours of Residents		Average VMT per Capita Home-Based Tours of Residents			
Model Scenario	Commute	Non- Commute	All	Commute	Non- Commute	All
Regional Baseline	28.1	21.8	23.7	6.3	11.3	17.6
				85% of Regional 2016 15.0		

Table B-2 Employee Commute Tour Lengths and VMT per Employee				
Model Scenario	Average Round Trip Miles Average VMT per Capita Commute Tours of Workers Commute Tours of Workers		•	
Regional Baseline	28.6		16.4	
		85% of Regional 2016	13.9	

VMT Mitigation Measures

Table 3-4 Example VMT Mitigation Measures			
Category Parking	Measure Limit or eliminate parking supply Unbundle parking costs Provide parking cash-out programs Price workplace parking		
Transit	 Improve or increase access to transit Reduce transit headways Implement neighborhood shuttle Provide partially or fully subsidized transit passes 		
ITS	 Deploy management strategies (e.g., pricing, vehicle occupancy requirements) on roadways or roadway lanes. Implementing or funding intelligent transportation systems (ITS) strategies to improve passenger throughput on existing lanes. 		
Education and Encouragement	 Provide incentives or subsidies that increase the use of modes other than a single-occupancy vehicle Voluntary travel behavior change program Promotions and marketing 		
Commute Trip Reductions	 Implement or provide access to a commute reduction program Provide telework options Provide on-site amenities at places of work, such as priority parking for carpools and vanpools, secure bike parking, showers and locker rooms, and bicycle repair services Employer or association-sponsored vanpool, circulator, or shuttle Rideshare program Provide employee transportation coordinators at employment sites Provide a guaranteed ride home service to users of non-auto modes 		

	Table 3-4 Example VMT Mitigation Measures
Category	Measure
Shared Mobility	 Provide car-sharing, bike sharing, and ride-sharing programs Shift single occupancy vehicle trips to carpooling or vanpooling by providing ride-matching services or shuttle services Other shared mobility devices School carpool program
Active Transportation/ Neighborhood Enhancement	 Orient the project toward transit, bicycle, and pedestrian facilities Improve pedestrian or bicycle networks Include outdoor bike parking Include secure bike parking and showers Traffic calming Shared use paths/paseos
Project Changes	 Locate the project in an area of the region that already exhibits low VMT. Locate the project near transit. Increase project density. Increase the mix of uses within the project or within the project's surroundings. Increase connectivity and/or intersection density on the project site. Increase access to common goods and services, such as groceries, schools, and daycare. Incorporate affordable housing into the project. Incorporate a neighborhood electric vehicle network.

Programmatic Mitigation Approaches

- Larger Projects: CSA10 benefit zone to fund trip-reducing services/ programs
 - Shuttle and transit services
 - Vanpool/carpool program
 - Guaranteed ride home
 - Bike/transit subsidies
 - Telecommuting/educational programs
 - Transportation coordinator
 - TMA membership to provide above
- Smaller Projects: currently exploring programmatic approaches
 - VMT impact fee program
 - VMT mitigation bank

	Existing Zone No. 3 Boundary Estimated Expenditures	
Direct Costs		
Management		
General Administration	\$	140,030
Market Research/Survey	\$	20,000
Marketing		10,200
Subtotal	\$	170,230
Programs		
Community Shuttle	\$	171,850
Car Sharing		20,650
Transit Pass Subsidy		43,400
Bike Subsidy		35,280
Interactive Kiosk		18,620
Walk to School	\$	1,120
Subtotal	\$	290,920
Total Transportation Services	\$	461,150
District Administration Costs		
CSA Administration 1	\$	10,000
County Tax Roll Levy Fee 2		23,900
Total District Administration Costs	\$	33,900
Total Levy		
Total Expenditures	\$	495,050
Contingency Fund Activity ³	ĺ	133,577
Balance to Levy	\$	628,627
Parcel Statistics	*	,
Total Estimated Parcels Levied		4,480
Total Estimated Equivalent Dwelling Units (EDU)		6,321.67
Levy per EDU		\$99.44
Maximum Levy per EDU (FY 2015/16)		\$99.44

Local Transportation Analysis

- Continues to be required for projects that generate more than 100 peak hour or 1,000 daily trips
- Ensures that General Plan Policies are enforced relating to:
 - Level of Service
 - Safety
 - Pedestrians
 - Bicyclists
 - Transit
- Requires improvements to address deficiencies, which are imposed as Conditions of Approval on a project.

Early Experience

- Many residential projects that were below LOS thresholds now have significant VMT impacts
- Fully mitigating VMT impacts is challenging without a programmatic approach
- Screening is effective for small projects and locally-serving retail, service, and public facilities

Resources

- Sacramento County Transportation Analysis Guidelines
 - https://sacdot.saccounty.net/Pages/Traffic-Studies.aspx
- SACOG SB 743 Technical Assistance (incl. screening maps)
 - https://www.sacog.org/sb-743-technical-assistance
- OPR SB 743 Resources
 - https://opr.ca.gov/ceqa/updates/sb-743/
- Caltrans SB 743 Implementation
 - https://dot.ca.gov/programs/transportation-planning/office-ofsmart-mobility-climate-change/sb-743

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