Growing Wealthier

Smart Growth, Climate Change and Prosperity

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CCAP put the 'third leg of the stool' on the policy map. Reducing VMT (VKT) is:

- essential
- achievable
- cost effective.





US Federal Policy



- CCAP Transportation GHG Reduction Incentive proposal in 2009 House and (draft) Senate climate bills.
 - But Senate bill died and now the House is hostile
- Transportation funding dwindling
- Sustainable Community Partnership providing valuable assistance
- Key action is at state & local level (NYC, CA, OR, WA)





Why Growing Wealthier?

- You can't make people do this
- They must find their own self interest economic, quality of life – if they are going to try hard on implementation
- And as Lee Schipper said, "Carbon is a cobenefit" (we're looking through the wrong side of the telescope)

Mobility – the ability to move

Accessibility – the ability to get where you want to go

Key Principles of Smart Growth

Opportunities and Choices

Create a Range of Housing

Create Walkable Neighborhoods

Encourage Community and Stakeholder Collaboration

Foster Distinctive, Attractive Communities with a Strong Sense of Place

Make Development Decisions Predictable, Fair and Cost Effective

Mix Land Uses

Preserve Open Space, Farmland, Natural Beauty and Critical Environmental Areas

Provide a Variety of Transportation Choices

Strengthen and Direct Development Towards Existing Communities

Take Advantage of Compact Building Design Common-sense principles can improve accessibility and reduce the need for driving.



Why should there be accessibility with less driving?



Transportation climate targets can be met...



By driving 2 ¹/₂ miles less per person per day





Doesn't driving make us prosperous?

Not like it used to.



By 1996 economic growth began to outpace driving growth.



Changes in Truck VMT Leads GDP Changes







US Vehicle Miles Traveled per \$1000 GDP

It takes fewer miles to make a GDP dollar than it used to.





States with high per capita GDP tend to drive less, not more



Metro data show varied experiences



Driving isn't Destiny

Modal Share of Motorized Private Travel vs. GDP



Source: Holger Dalkmann citation of UITP 2006, in IEA, 2008

But GDP is called "gross" for a reason.

The economy is felt at the micro level...





Source: Growing Wealthier, CCAP 2011

Most households are driving substantially more, but their income has not grown proportionally over the last 40 years.





Travel that contributes little or nothing to households and local economies might be called "empty miles"



Travel (Person hours) that consumes nearly as much as it contributes to households and local economies might be called "empty hours"







Which Miles are Empty?

- Bottom-up: you know it when you drive 'em
- Smart Growth can reduce Empty Miles
 - From CA and OR MPO targets we might conclude that 13-20% of miles are empty
- Jerry Walters for CALTRANS came up with four categories:
 - Sustaining, Productive, Induced, Managed



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2. 3 4. 5. 6. 8

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Take Advantage of Compact Building Design Smarter development patterns can:

make moneysave on costsimprove quality of life

- for households, businesses and governments.



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It's Common Sense...

Improved Accessibility

- things closer together
- efficient travel choices

Infrastructure Efficiency

- more people served

Visioning is Market Research

- profits follow demand



Return on Investment						
Business	Household	Municipal and Region	Nation			
Savings on Expenditures						
Business	Household	Municipal and Region	Nation			
Improved Quality of Life						
Business	Household	Municipal and Region	Nation			

Business	Household	Municipal & Regional	National			
Return on Investment						
Access to new	Enhance or preserve	Higher public revenues	More efficient use of transportation investments			
markets	housing values	Reduced citizen				
Reduced investment Better act	Better access to jobs	opposition to development				
risks			Construction &			
Construction &		Attracts private	transit jobs			
transit jobs		investment				
Higher property		More efficient economy				
values						
Productivity						
enhancements due	due Dallas: Retail grew 33% in 1 st year after light rail b					

to agglomeration

Portland: \$100 million public investment in streetcar attracted \$3.5 billion in adjacent private investment

Denver: households within ½ mile of light rail line rose in value by 18% 2006-8; other Denver homes lost 7.5%

US: Investments in transit create 2X jobs as in highways

Business	Household	Municipal & Regional	National		
Savings on Expenditures					
Employee health care savings	Save on travel costs	Infrastructure savings	Energy security		
	Reduced energy & water use(construction & operation)	(construction &	Health care savings		
Better information & decision making		operation)			
	Health care savings	Reduced costs from			
Reduced parking	Lower taxes for infrastructure services	urban decline			
requirements		Green infrastructure			
Reduced energy & water use		(such as natural			
		filtration) replaces gray			
		infrastructure			

Sacramento: Infrastructure savings: \$18,000 per household

Bay Area: \$140 million in health savings by 2035

Sarasota, FL: Downtown development cost city 50% less than similar suburban development and generated 8 times the tax revenues

Garland, TX: Tree canopy diffuses 19 million cubic feet of runoff per storm, displacing the need for \$38 million in retention infrastructure

Business	Household	Municipal & Regional	National
Improved Quality of	Life		
Quality places attract high quality workers	Better access to services	Reduced exposure to congestion	Reduced GHGs
	Affordable housing	Thriving public spaces	
Improved environment for small businesses	Access to nature & recreation	Growth reflects community values	
	Increased physical activity	Protects natural	

US: Lower rates of pedestrian fatalities in compact urban areas, higher rates in car-oriented suburban areas

Seattle: Increase in neighborhood walkability was associated with more time spent walking and lower body-mass-index

Placemaking efforts in Ohio, Kentucky, Washington DC, others help attract new businesses and visitors to formerly depressed areas.

Not just smart, it's what people want.

RCLCO survey: 88% of Gen Y -- 80 million born 1979 to 1996 -prefer to live in an urban setting.

One-third are willing to pay for walkability.



Recommendations

- Do Measure Learn
- Equip and Empower







www.growingwealthier.info



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Adieu, Lee.



We were all your students.