

<b>UTC Project Information</b>	
Project Title	Transportation Futures: Policy Scenarios for Achieving Greenhouse Gas Reduction Targets (Former title: Transportation Futures)
University	Rutgers University San José State University Mineta National Transit Research Consortium
Principal Investigator	Andrew I. Kay, MCRP Robert Noland, Ph.D. Caroline J. Rodier, Ph.D.
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Funding Source(s) and Amounts Provided (by each agency or organization)	Research and Innovative Technology Administration University Transportation Centers Program (\$33,483)  California Department of Transportation Office of Research—MS42 (\$33,483)  Rutgers University (\$35,000)
Total Project Cost	\$101,966
Agency ID or Contract Number	DTRT12-G-UTC21
Start and End Dates	July 2012 – March 2014
Brief Description of Research Project	It is well established that GHG emissions must be reduced by 50% to 80% by 2050 in order to limit global temperature increase to 2°C. Achieving reductions of this magnitude in the transportation sector is a challenge and requires a multitude of policies and technology options. The research presented here analyzes three scenarios: changes in the perceived price of travel, land-use intensification, and increases in transit. Elasticity estimates are derived using an activity-based travel model for the state of California and broadly representative of the U.S. The VISION model is used to forecast changes in technology and fuel options that are currently forecast to occur in the U.S., providing a life cycle GHG forecast for the road transportation sector. Results suggest that aggressive policy action is needed, especially pricing policies, but also more on the technology side. Medium- and heavy-duty vehicles are in particular need of additional fuel or technology-based GHG reductions.

Describe Implementation of Research Outcomes (or why not implemented)

Rodier, Caroline. "The Effects of Demand Management Measures on Commercial Vehicle Travel." Presentation at the Policy Forum Series, Davis, CA May, 2013.

Kay, Andrew I., Robert B. Noland, and Caroline J. Rodier. "Achieving Reductions in Greenhouse Gases in the US Road Transportation Sector." Presentation at the 93rd Annual Meeting of the Transportation Research Board, Washington, DC, 2014.

Kay, Andrew I., Robert B. Noland, and Stephanie DiPetrillo. "Residential Property Valuations near Transit Stations with Transit-oriented Development." Presentation at the 93rd Annual Meeting of the Transportation Research Board, Washington, DC, 2014.

Place Any Photos Here

**California Regions in CSTDM**



Impacts/Benefits of Implementation (actual, not anticipated)	
Web Links <ul style="list-style-type: none"><li>• Reports</li><li>• Project Website</li></ul>	Final report (MNTRC Website): <a href="http://transweb.sjsu.edu/project/1149.html">http://transweb.sjsu.edu/project/1149.html</a>