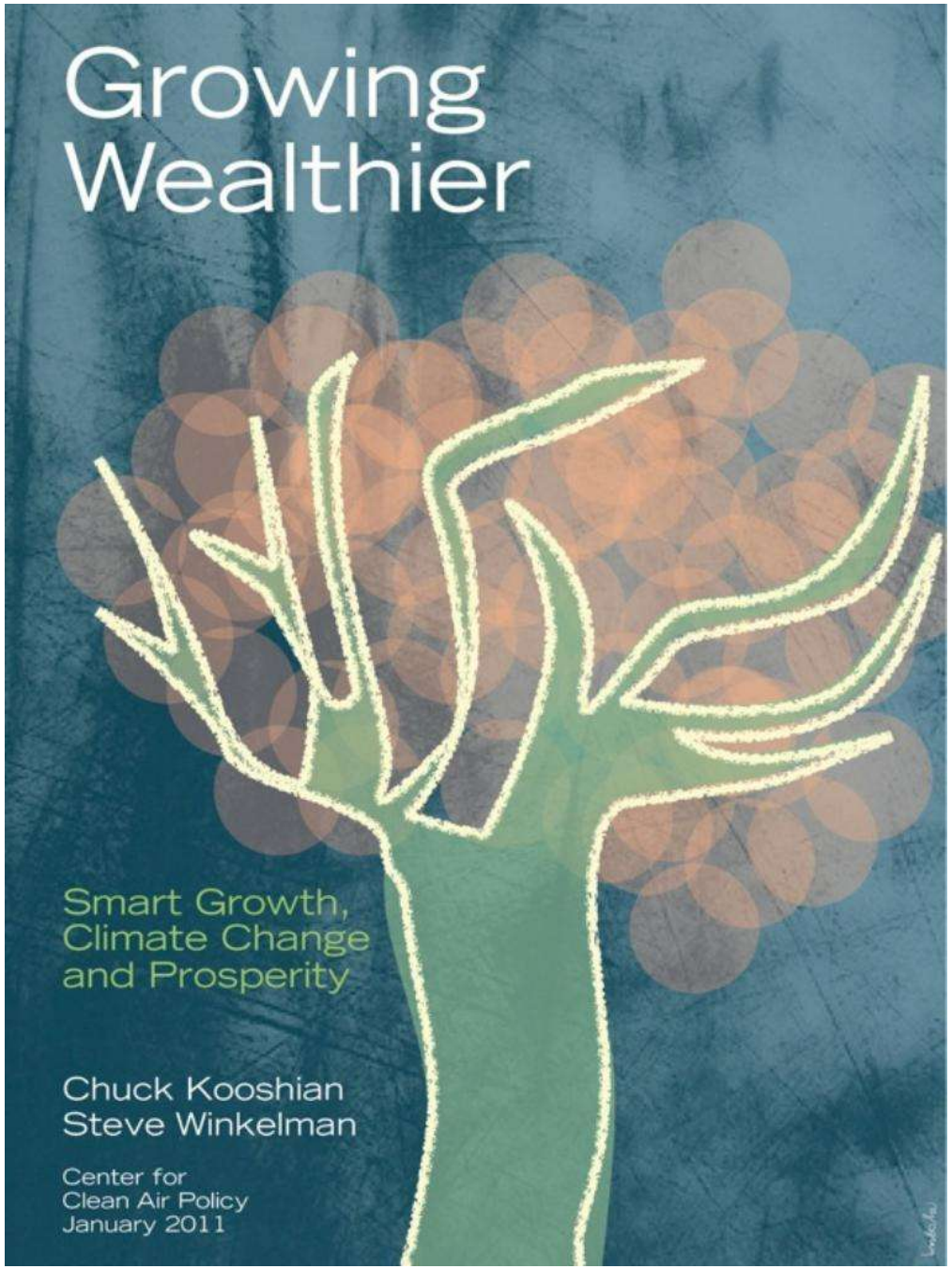
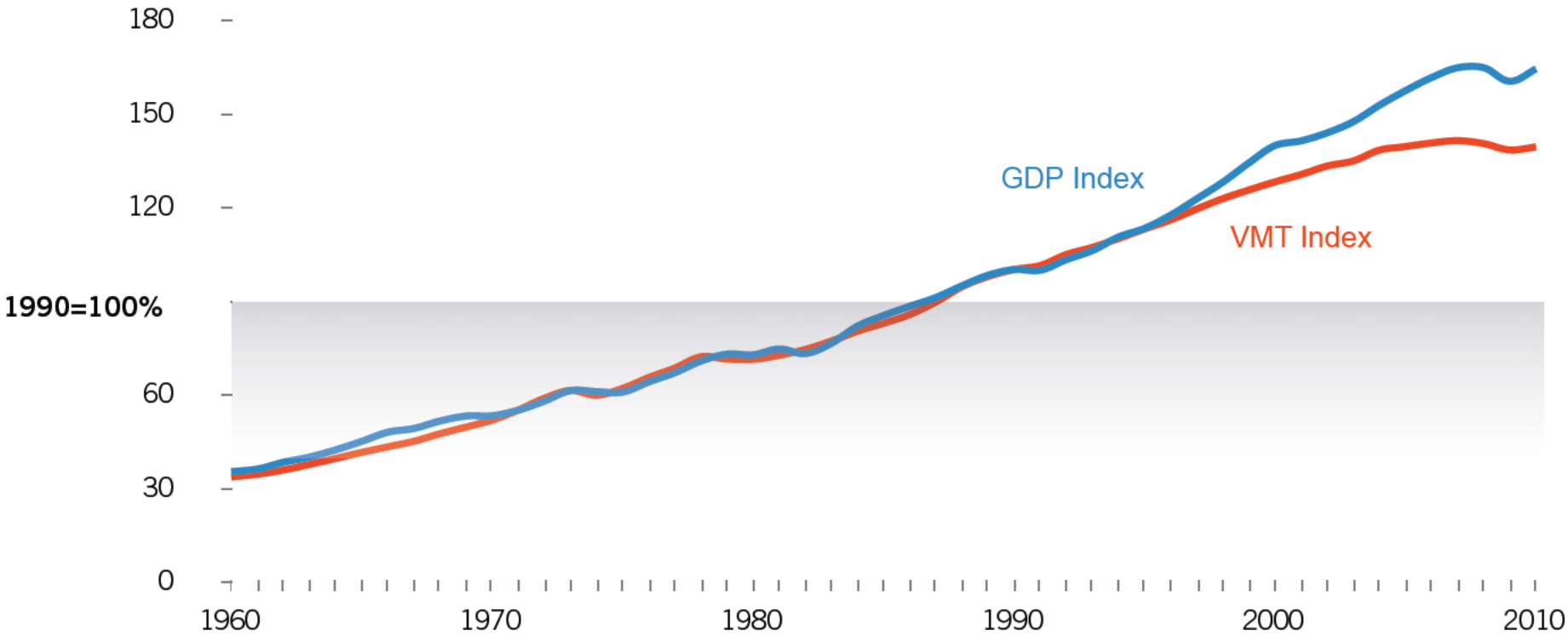


Smart Growth, Climate Change and Prosperity

Steve Winkelman

Center for Clean Air Policy
Dialogue. Insight. Solutions.

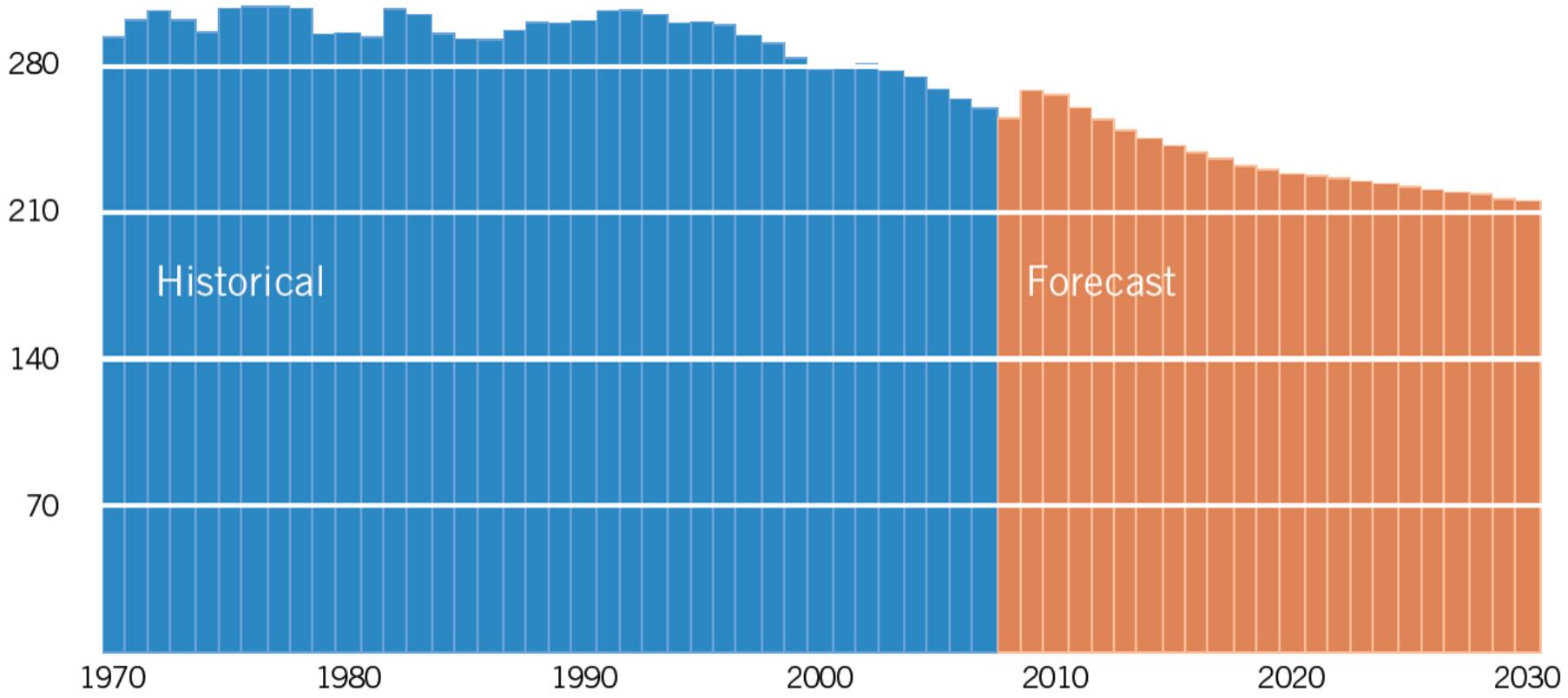
Rail~Volution
October 17, 2011
Washington DC



Source: *Growing Wealthier,* CCAP 2011

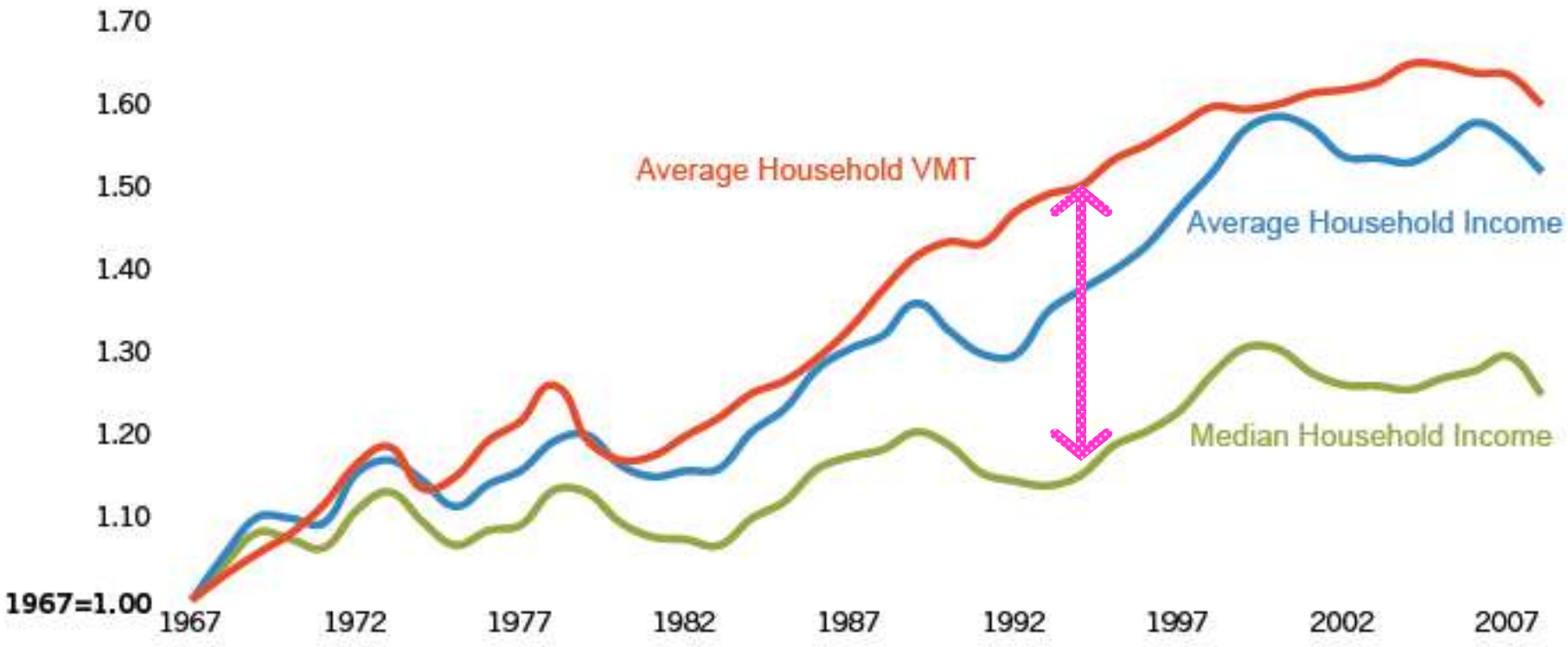
By 1996 economic growth began to outpace driving growth.

US Vehicle Miles Traveled per $1000 GDP



Source: US Chamber of Commerce, as cited in *Growing Wealthier,* CCAP 2011

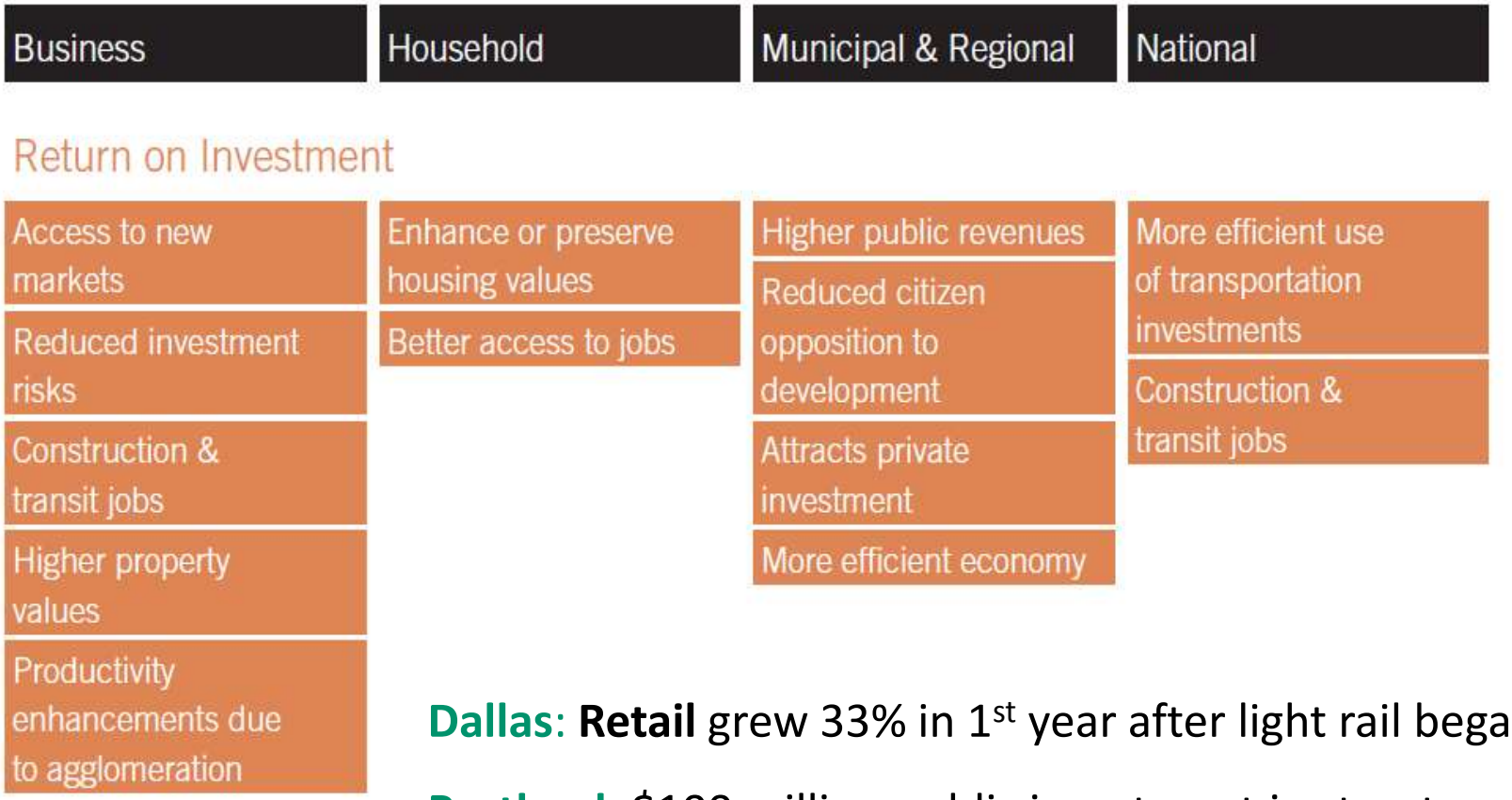
It takes fewer miles to make a GDP dollar than it used to.



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"

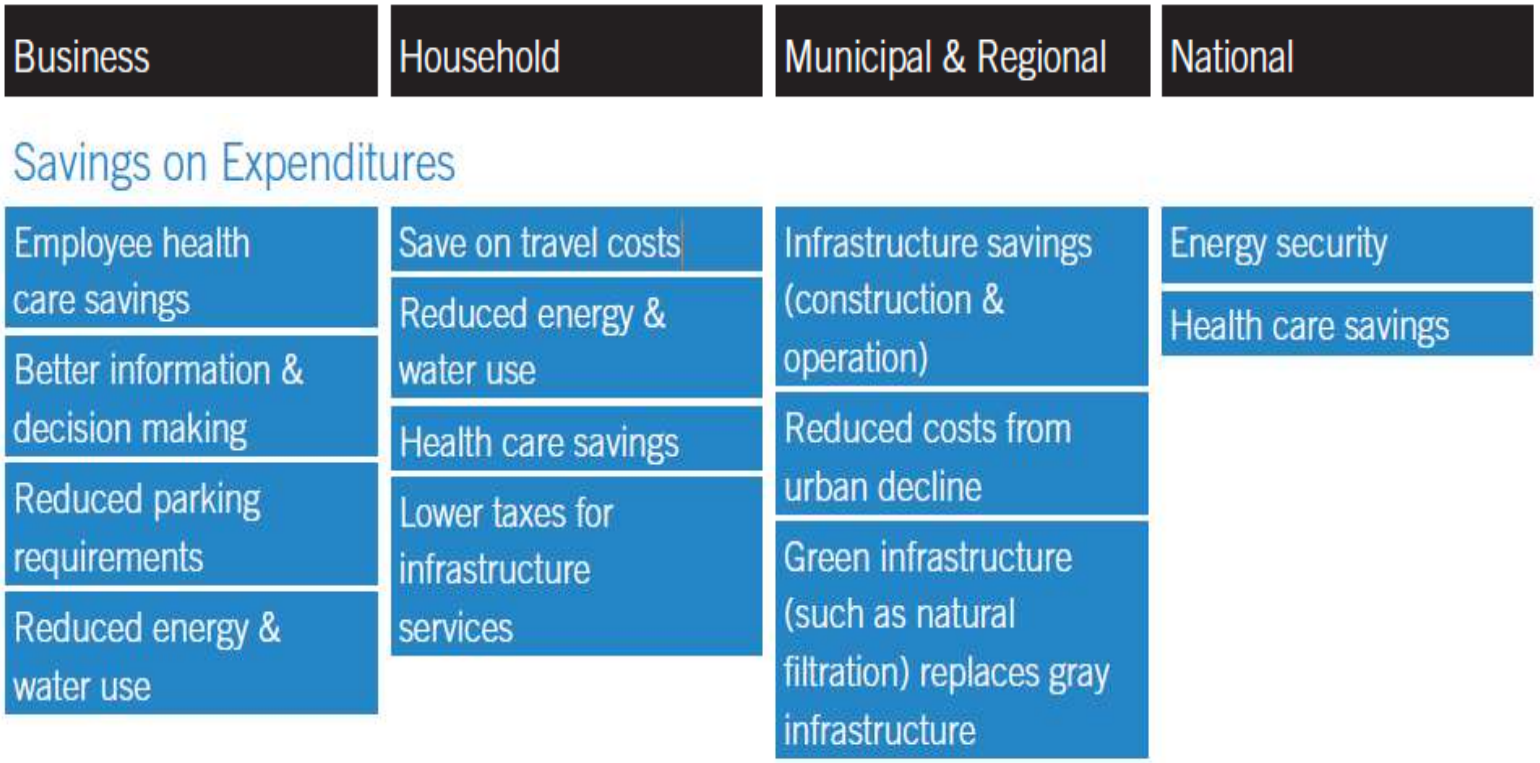


Dallas: **Retail** grew 33% in 1st year after light rail began

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



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**

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**

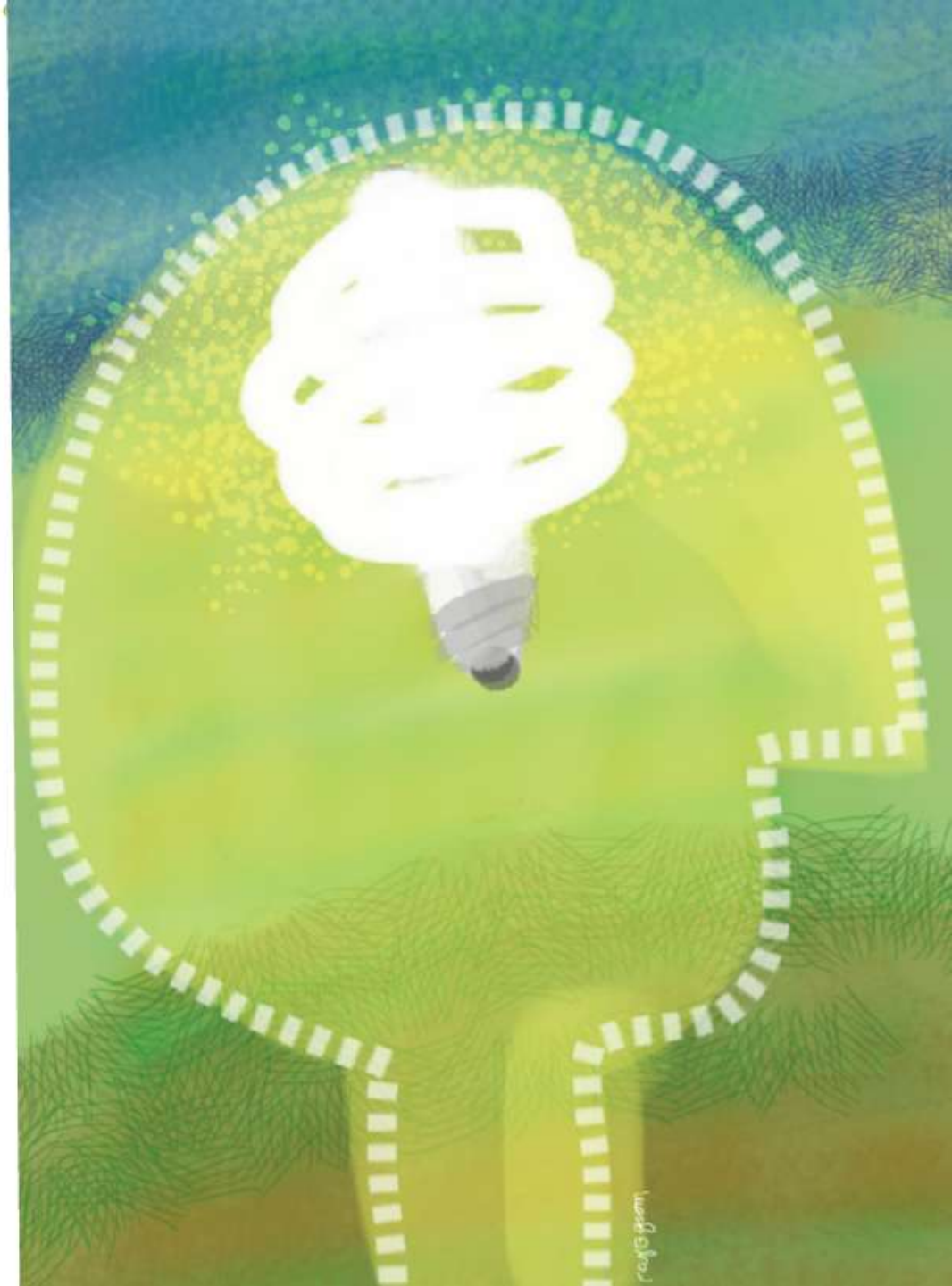
Placemaking efforts in Ohio, Kentucky, Washington DC, others help attract **new businesses** and visitors to formerly depressed areas.

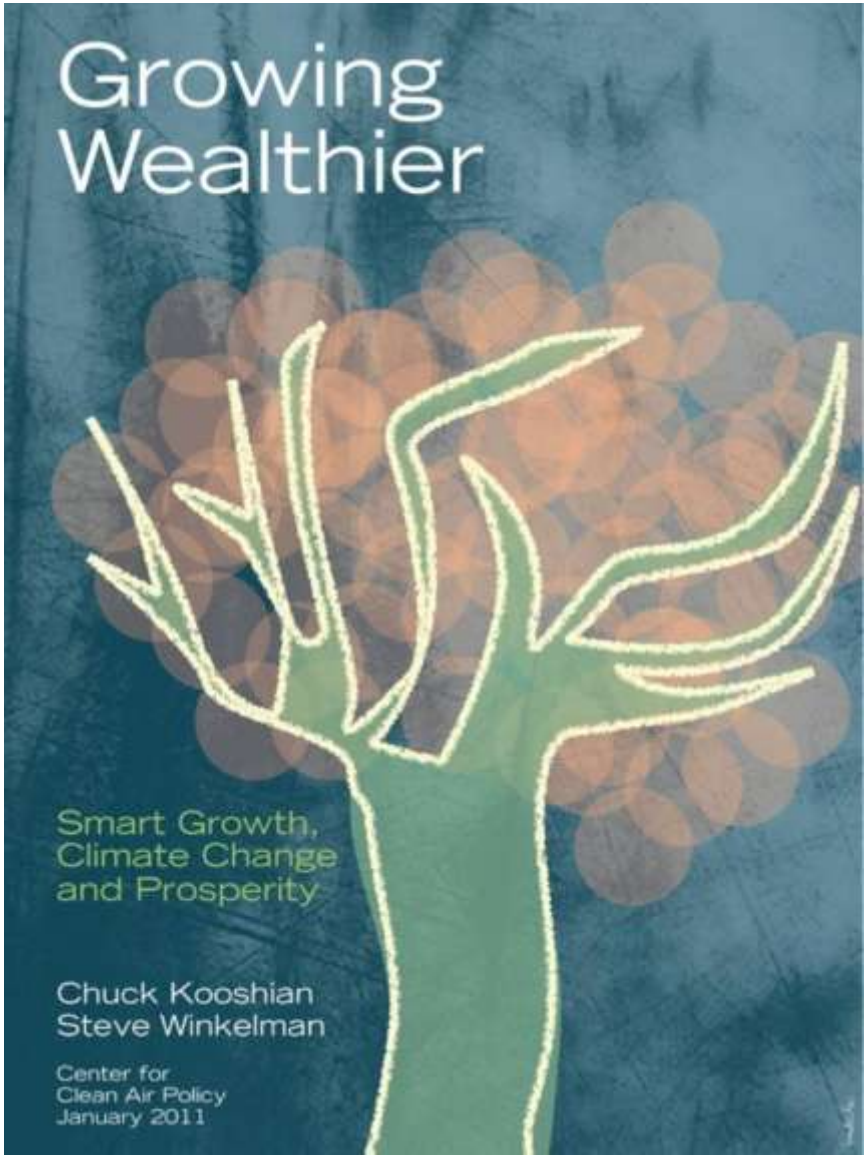
Equip & Empower

Growing the Livability and Economy Toolbox

- Modelers
- Researchers
- Practitioners
- Federal Agencies

Finding and filling the gaps in what modelers can do and what practitioners need.





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