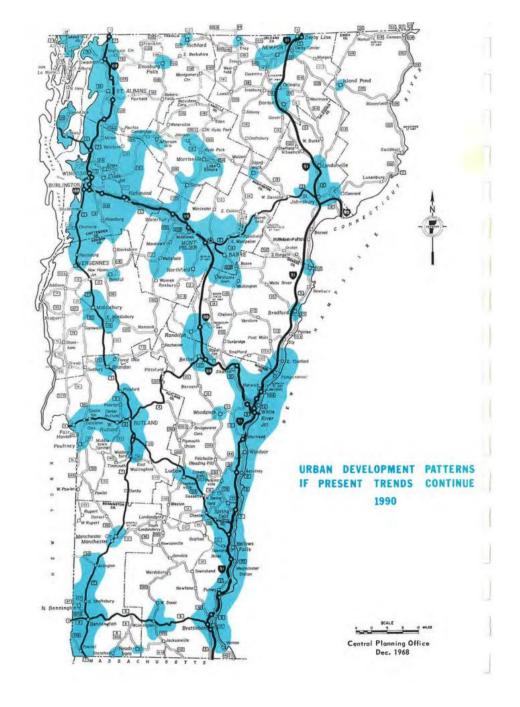
Presentation to the Commission on Act 250: the Next 50 Years

Settlement Patterns in Vermont

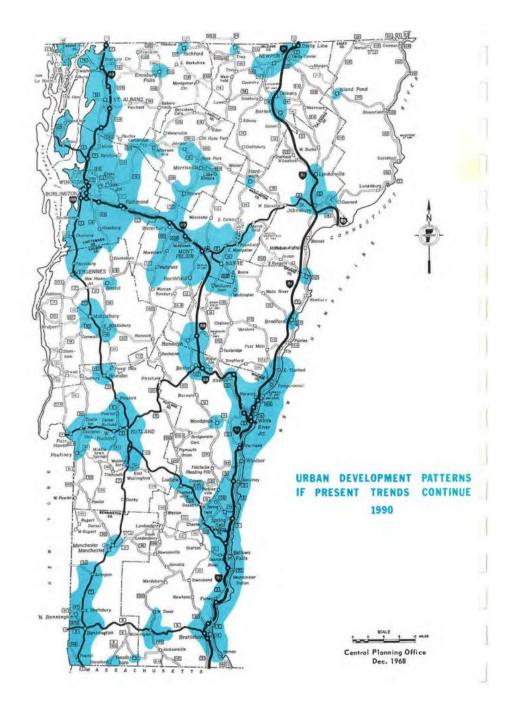
John E. Adams
October 26th 2018

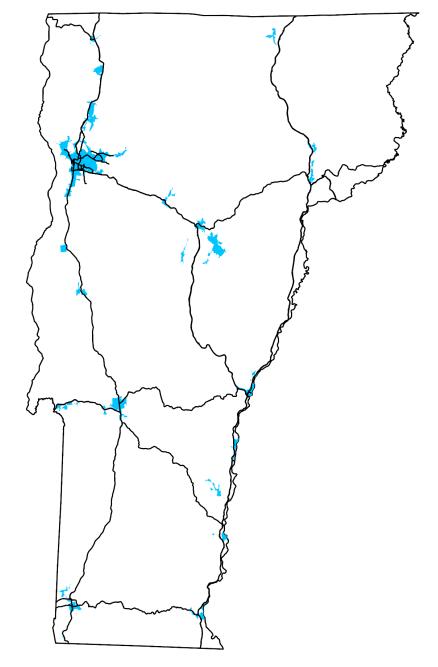


VERMONT CENTER FOR GEOGRAPHIC INFORMATION



"The traditional rural scene in Vermont, characterized by concentrated settlement in villages and open countryside dotted with farms, is disappearing."

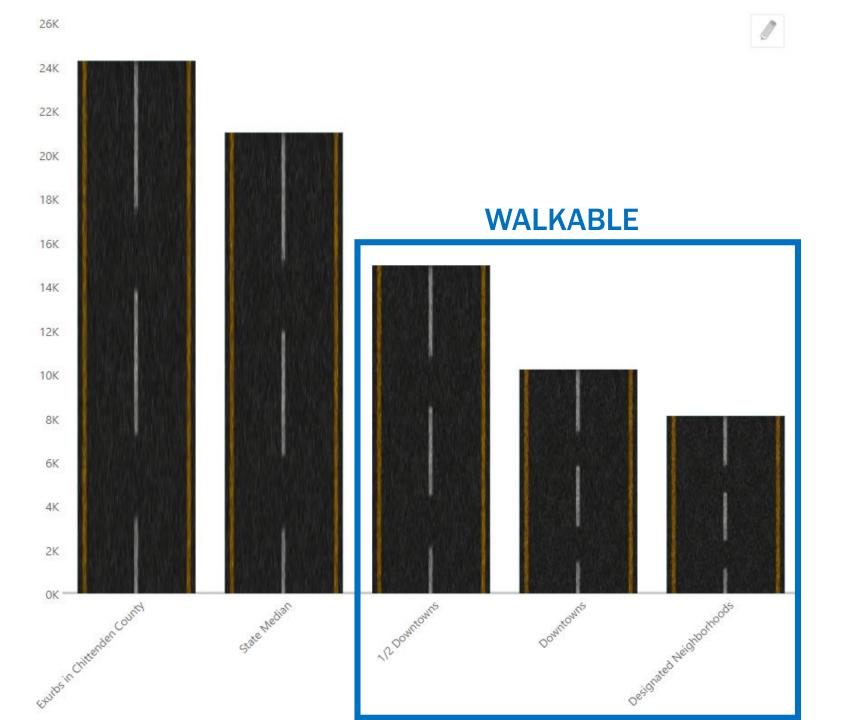






Does this goal still make sense for the next 50 years?

What have we learned since 1968?



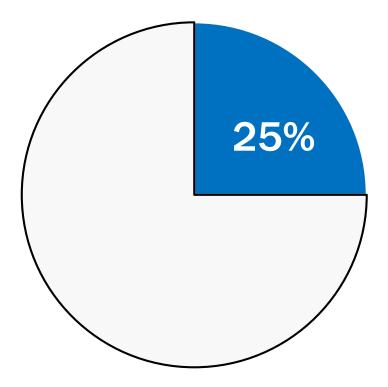
Median Household Annual Vehicle Miles Traveled in Vermont

Source: AHTS 2009

Affordability

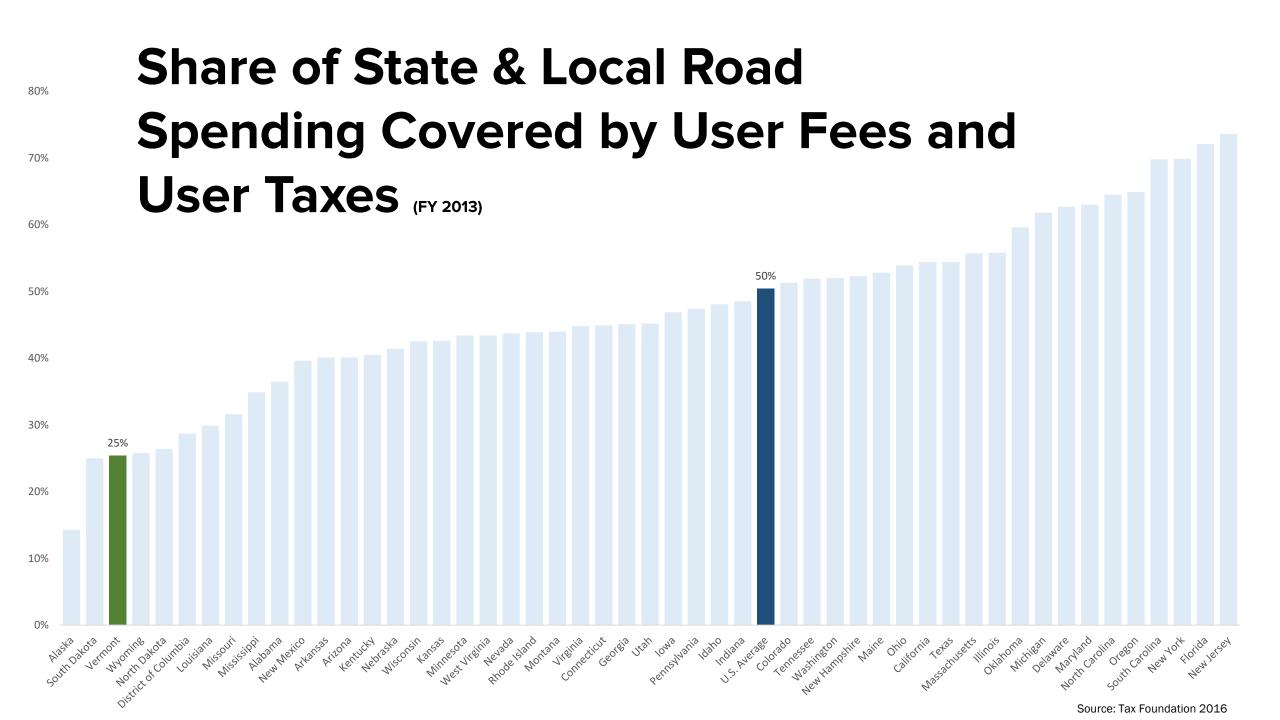
"the average annual cost to own and operate a vehicle in the United States is \$9,576"

US Bureau of Labor Statistics (2018)



Average Transportation Costs for Vermont Household (% of income.)

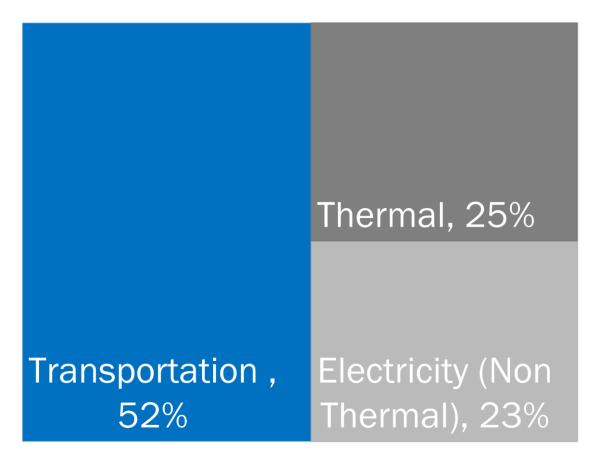
Source: Housing and Transp. Affordability index Income: \$50,939 Commuters: 1.16 workers Household Size: 2.39 people



Energy

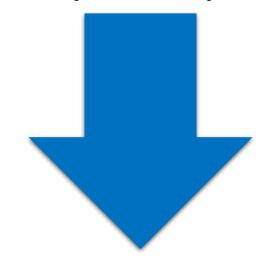
Components of Total Energy Cost for Vermont Households

VEIC 2016



16% to 31%
Reduction in Total
Energy Cost for
Vermont Households

(Households living within ½ mile of Designated Downtown.)



Health



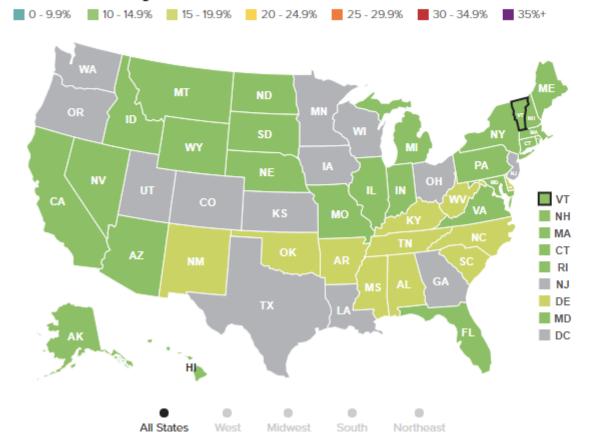
We can change it by city planners, transportation professionals and local government leaders working together to improve the walkability of neighborhoods for people with all abilities.

> Surgeon General Dr. Vivek Murthy September 2015

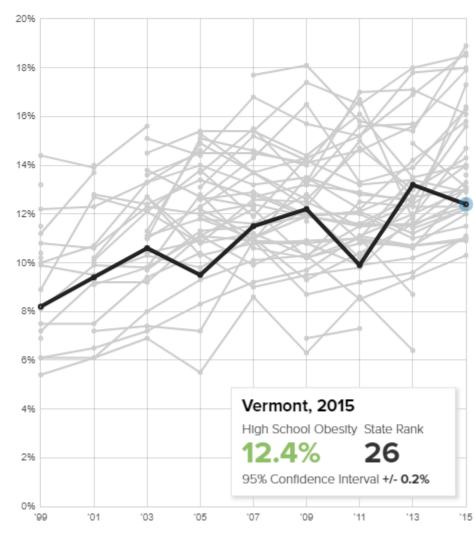
High School Obesity by State, 2015

Select years with the slider to see historical data. Hover over states for more information. Click a state to lock the selection. Click again to unlock.

Percent of obese high school students



High School Obesity, 1999 to 2015



Water Quality





1 Acre of Impervious
Surface Inside Centers

#1111 & 2.23 Jobs

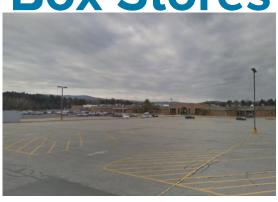
1 Acre of Impervious
Outside Centers

















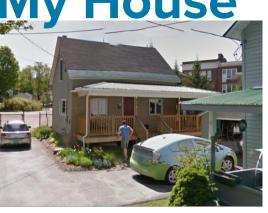
.12 acres 16 apartments+ \$749,200 Tax Value

.09 acres 1 house \$170,000 Tax Value

65.8 acres **Box Stores** \$13,665,400 Tax Value

Mixed Use My House





Box Stores

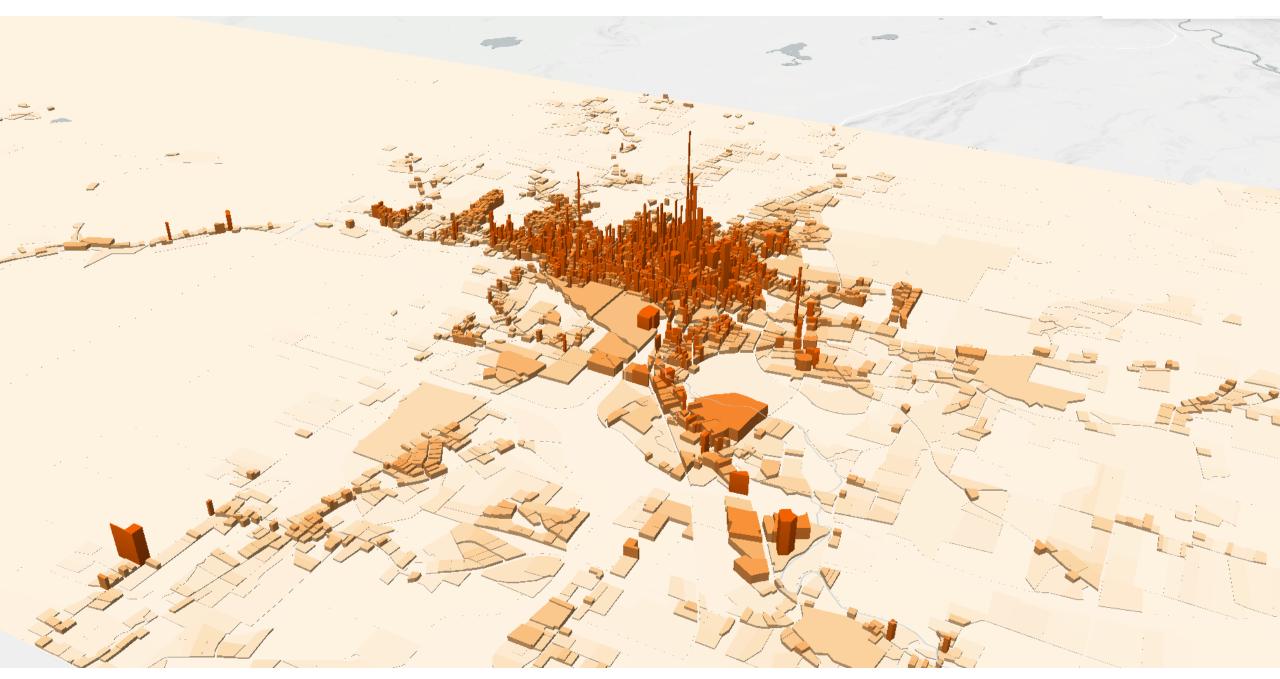


.12 acres 16 apartments+ \$749,200 Tax Value

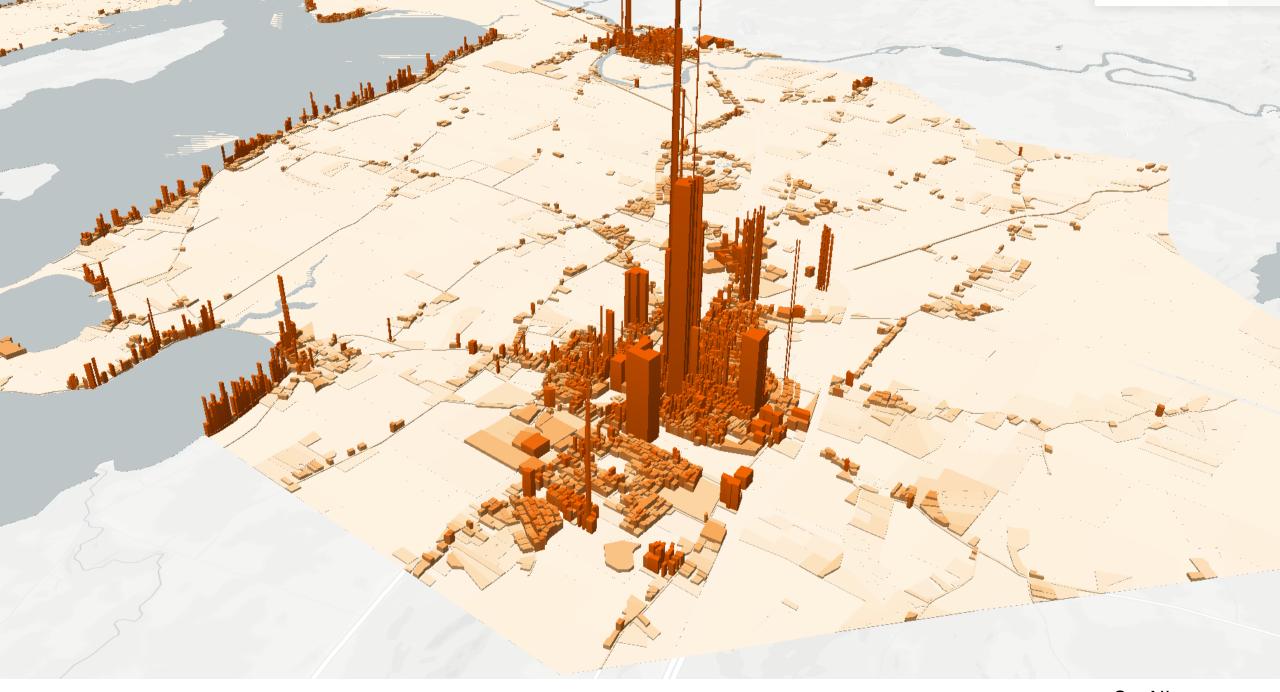
.09 acres 1 house \$170,000 Tax Value

65.8 acres **Box Stores** \$13,665,400 Tax Value

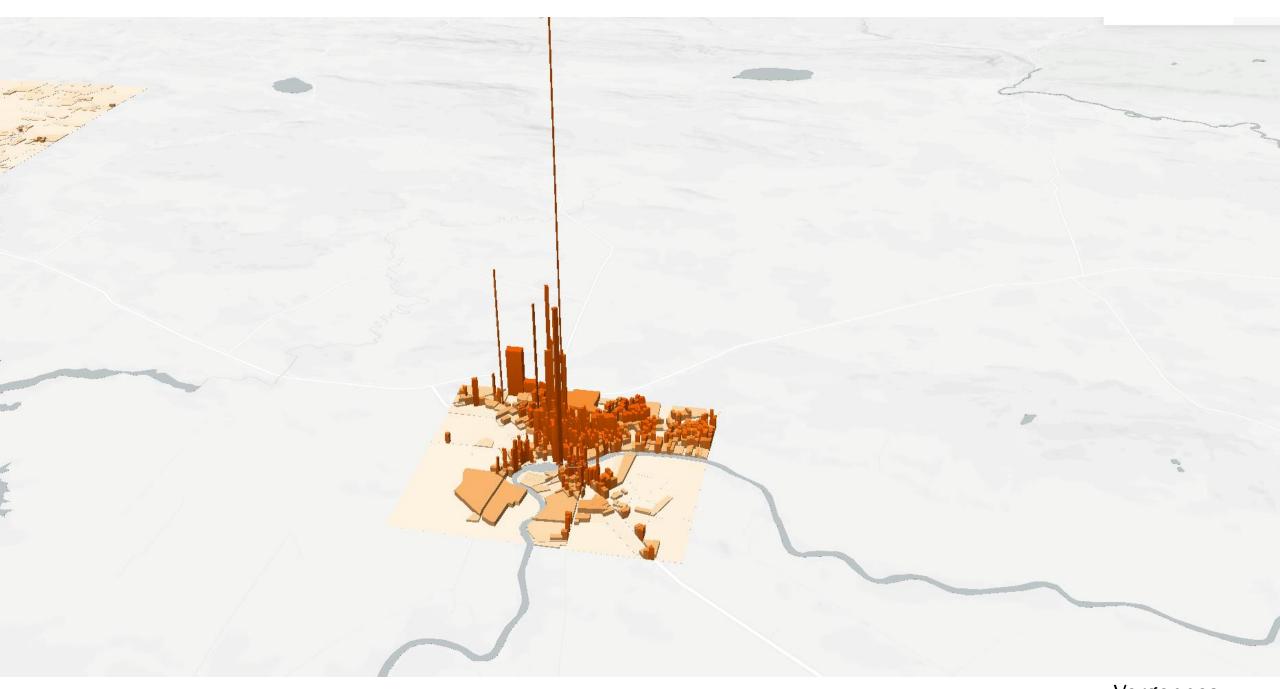
\$154,820 Property tax/acre \$46,684 Property tax/acre \$4,310 Property tax/acre

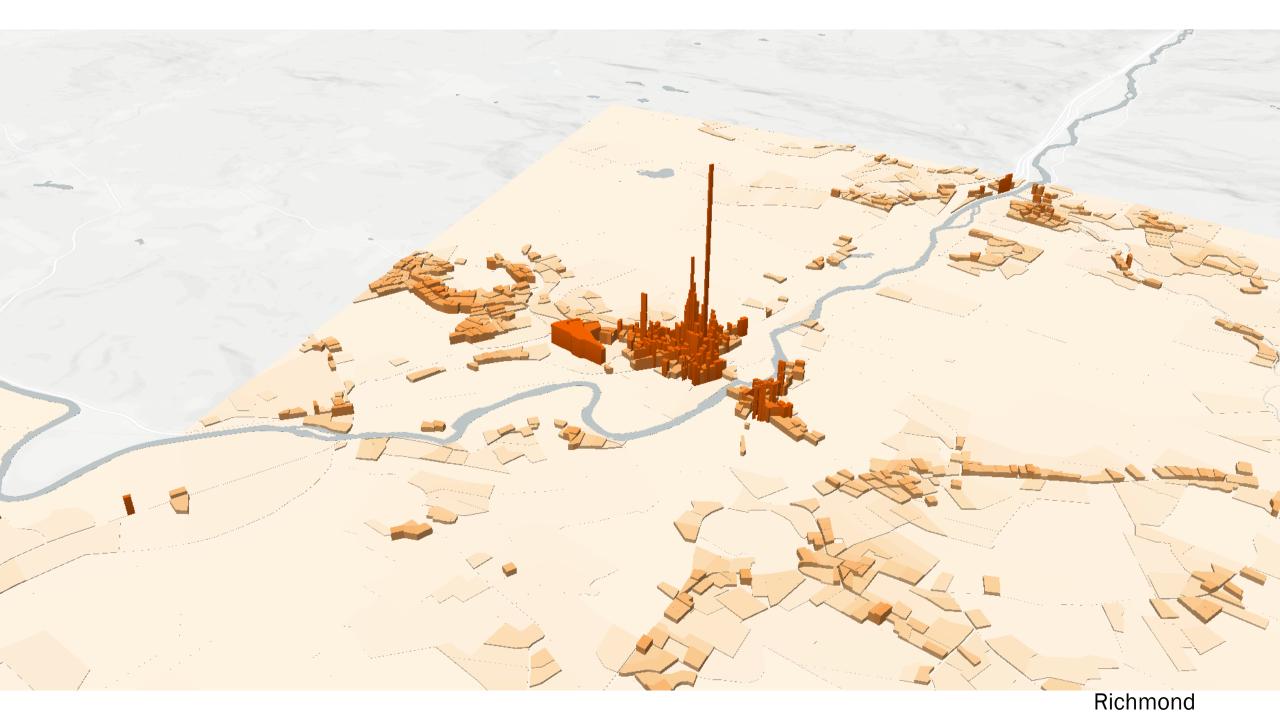


Bennington



St. Albans

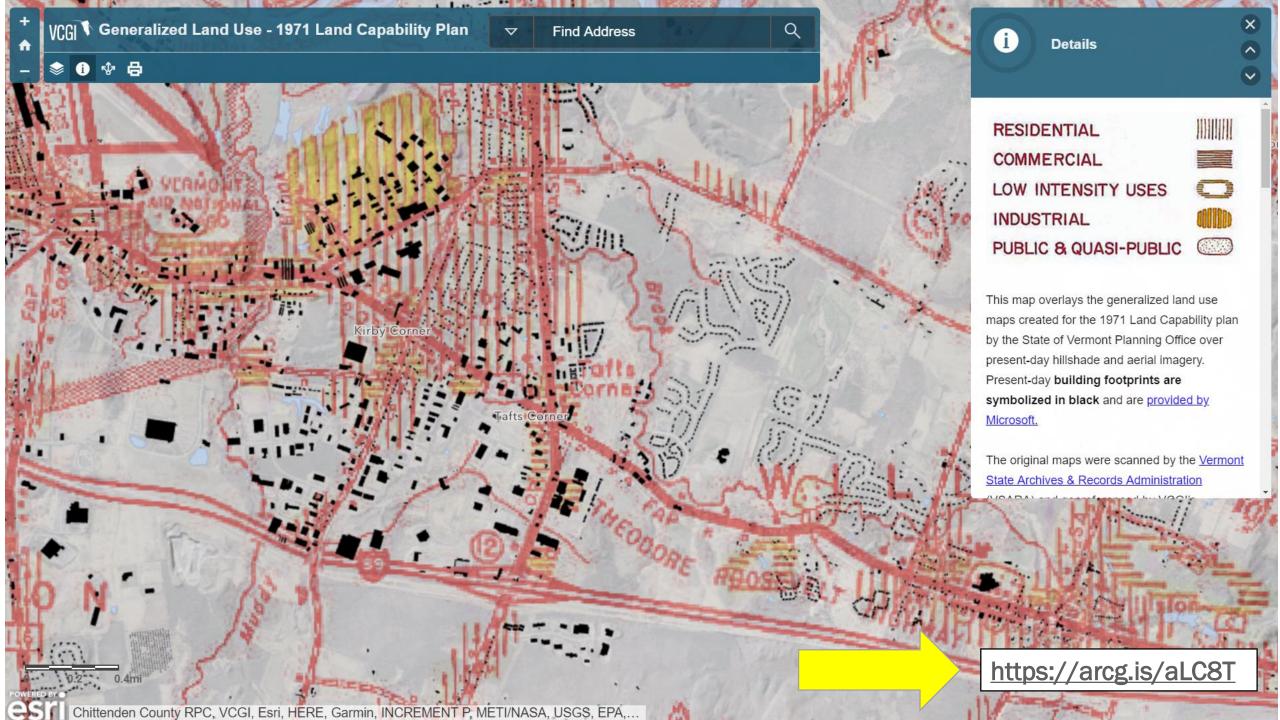






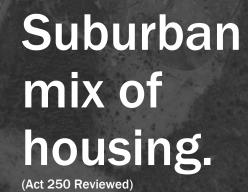
Readsboro

Where is development happening in Vermont?





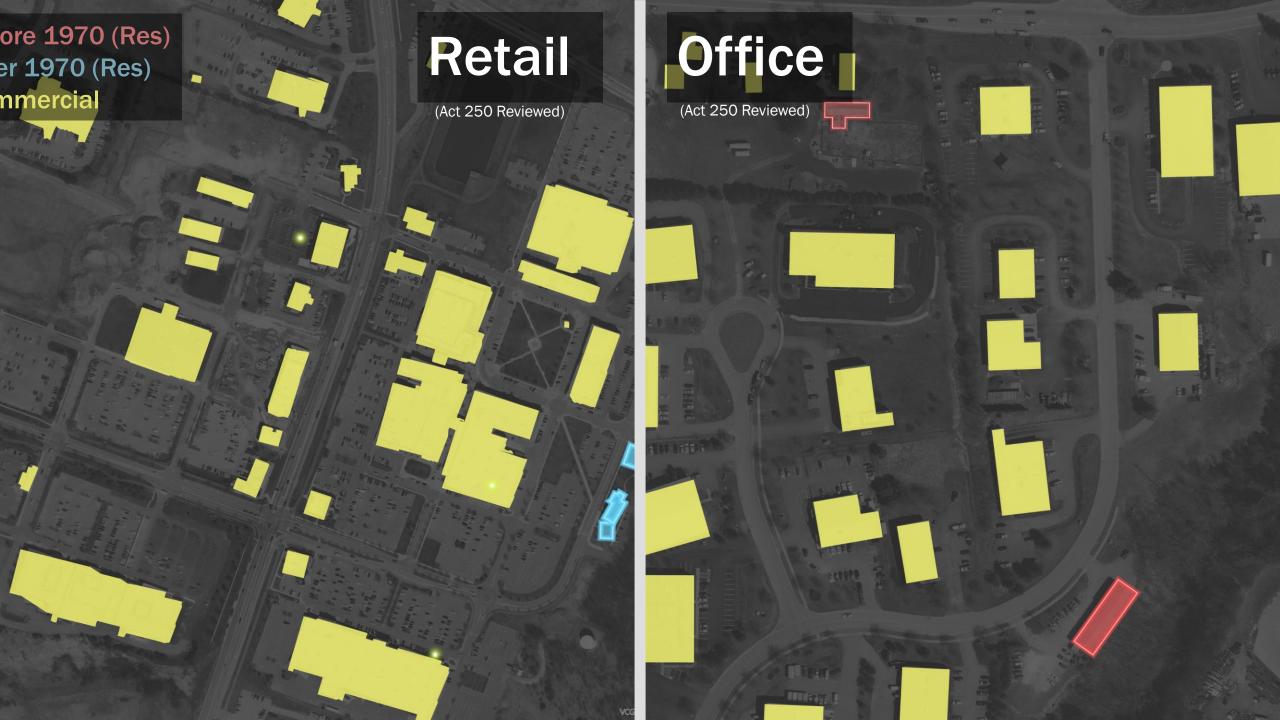
Before 1970 **After 1970** 1 日 0 日 6 57 口



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D

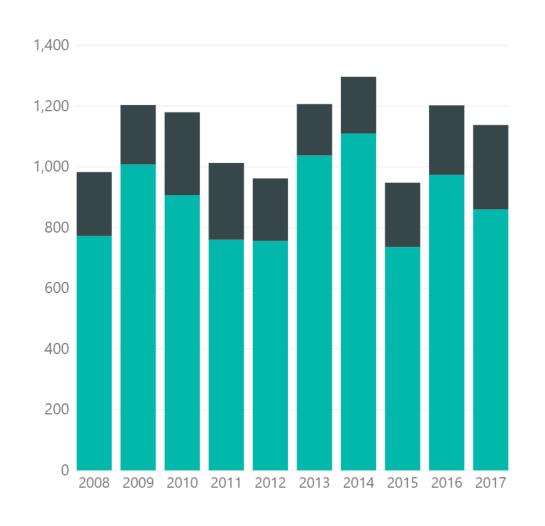


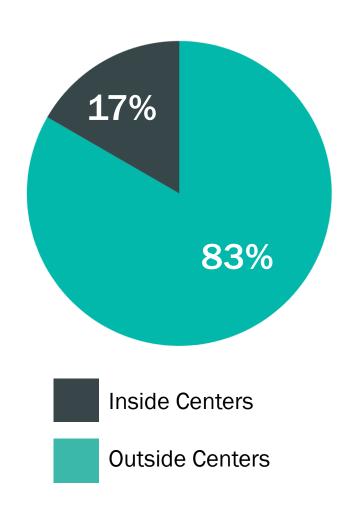




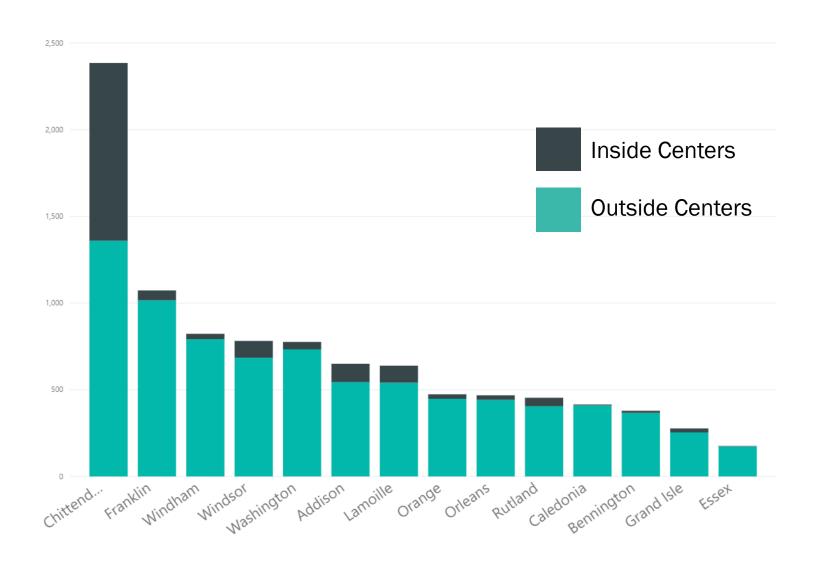


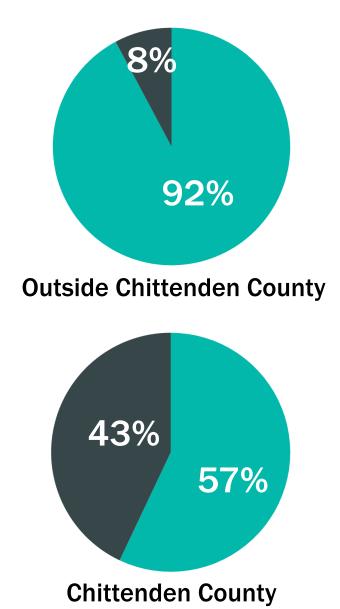
New Residential Structures 2008-2018



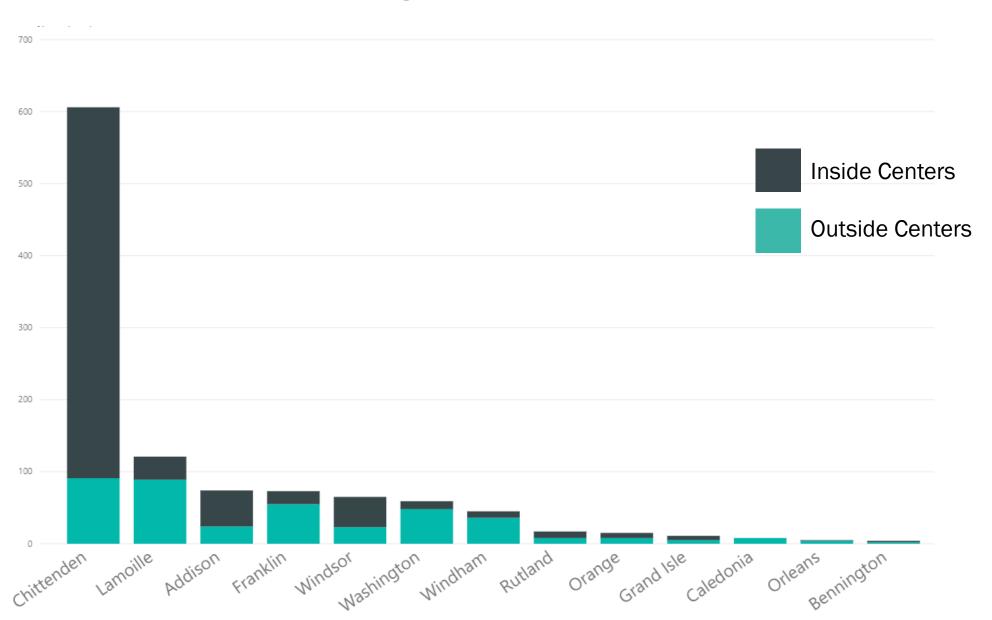


County Differences 2008-2018

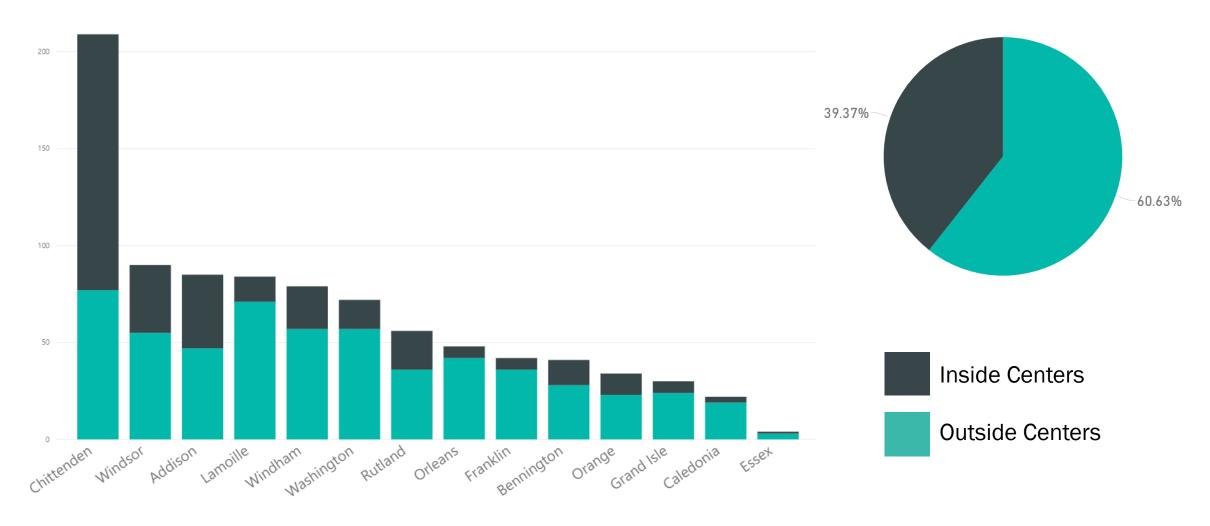




New Multifamily Structures 2008-2018



Commercial Structures 2008-2018



Residential Development in Chittenden County 1890-2016

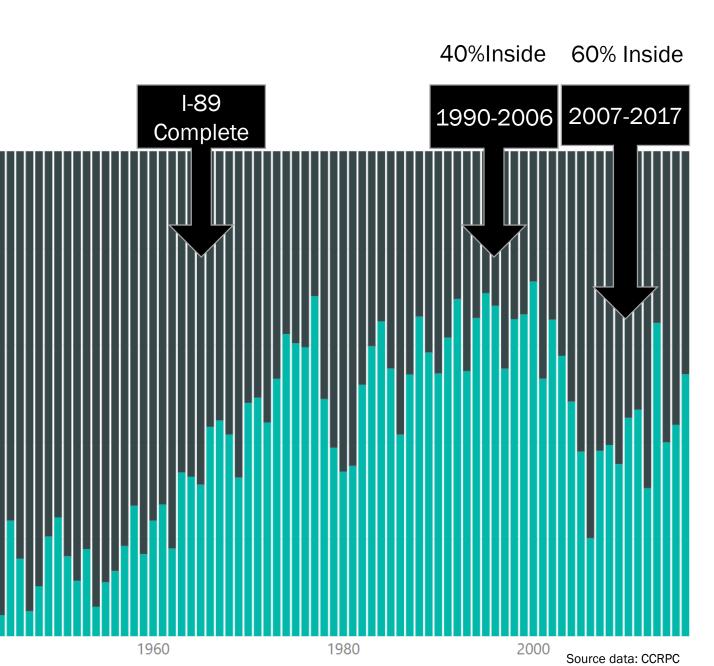
Inside Centers

1900

1920

1940

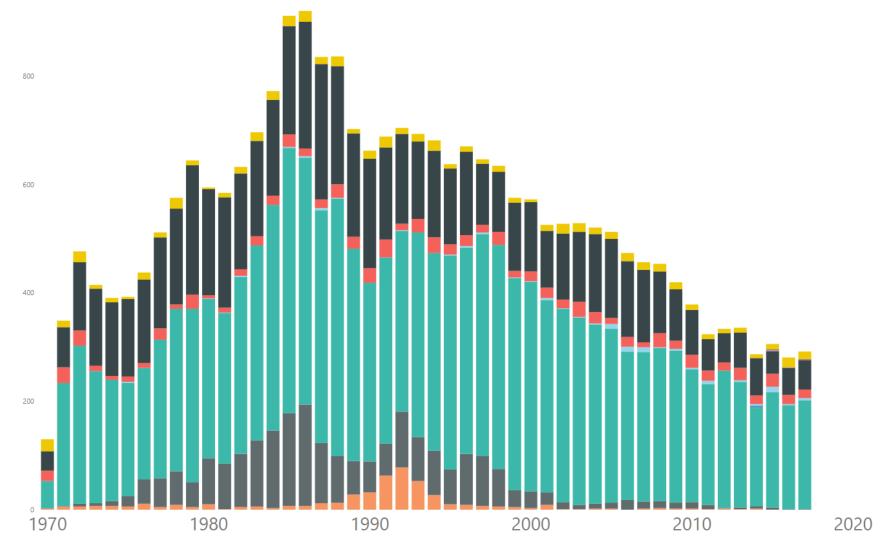
80%



Act 250 Decisions 1970-2017

(excluding admin. amendments)

- (Blank)
- Any Ownership
- Commercial
- Commerical
- Mixed Use
- Municipal
- Residential
- Ski Resort
- Ski Resorts
- State



What's driving these development trends?

1850: Pop. 314,120

1930: Pop. 359,611

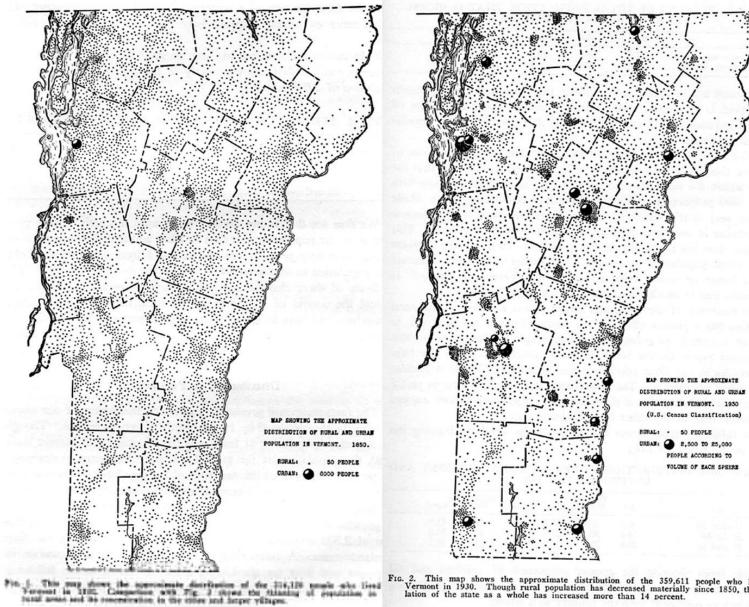
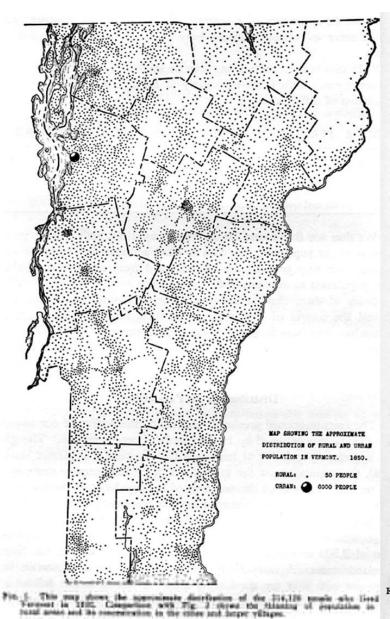


Fig. 2. This map shows the approximate distribution of the 359,611 people who lived in Vermont in 1930. Though rural population has decreased materially since 1850, the population of the state as a whole has increased more than 14 percent.

1850: Pop. 314,120

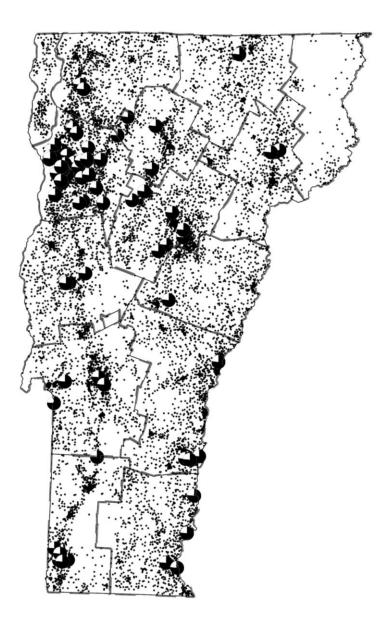
1930: Pop. 359,611

2010: Pop. 625,741



MAP SHOWING THE APPROXIMATE DISTRIBUTION OF RURAL AND URBAN POPULATION IN VERMONT. 1930 (U.S. Census Classification) DRBAN: @ 2,500 TO 25,000 VOLUME OF EACH SPHERE

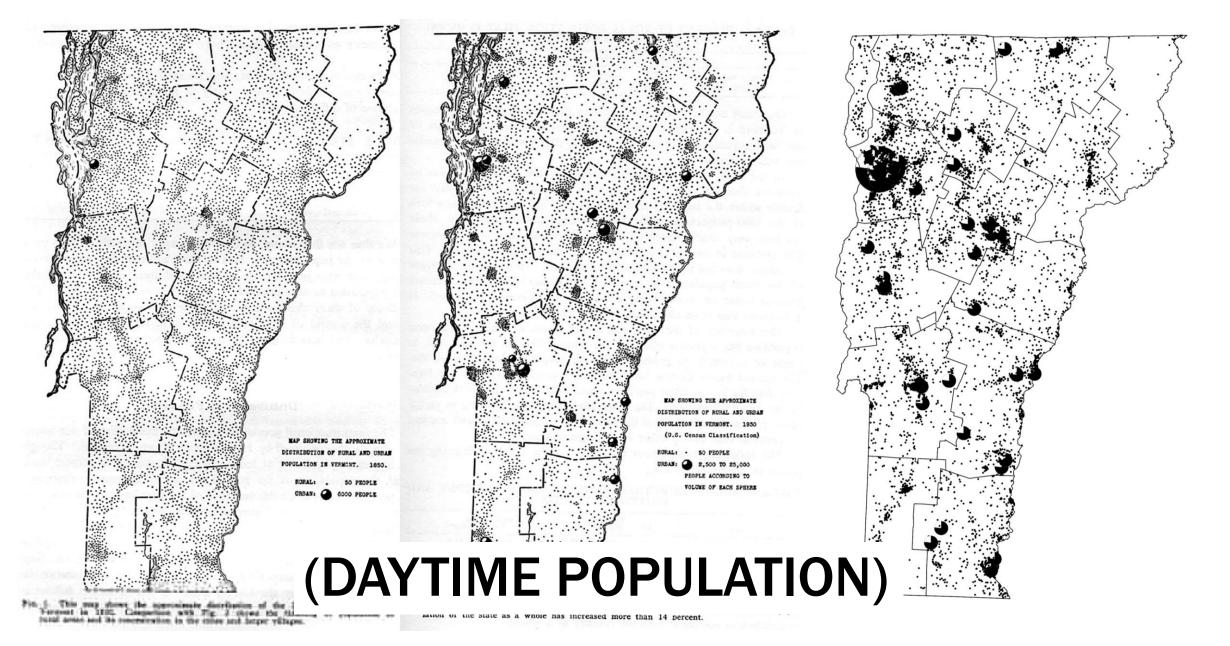
Fig. 2. This map shows the approximate distribution of the 359,611 people who lived Vermont in 1930. Though rural population has decreased materially since 1850, the population of the state as a whole has increased more than 14 percent.

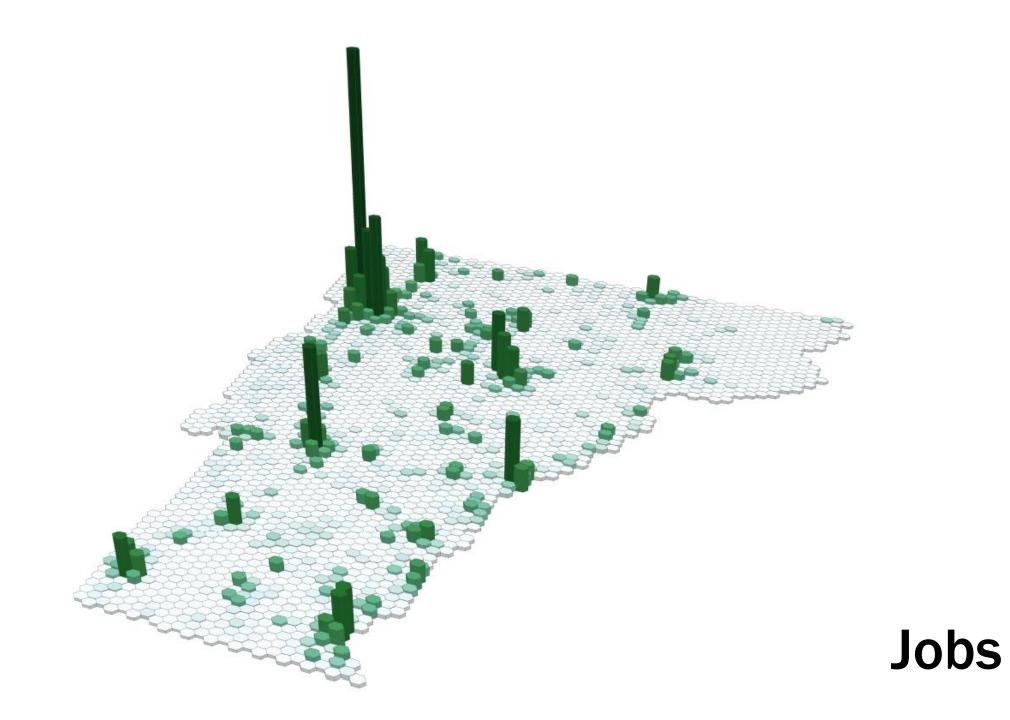


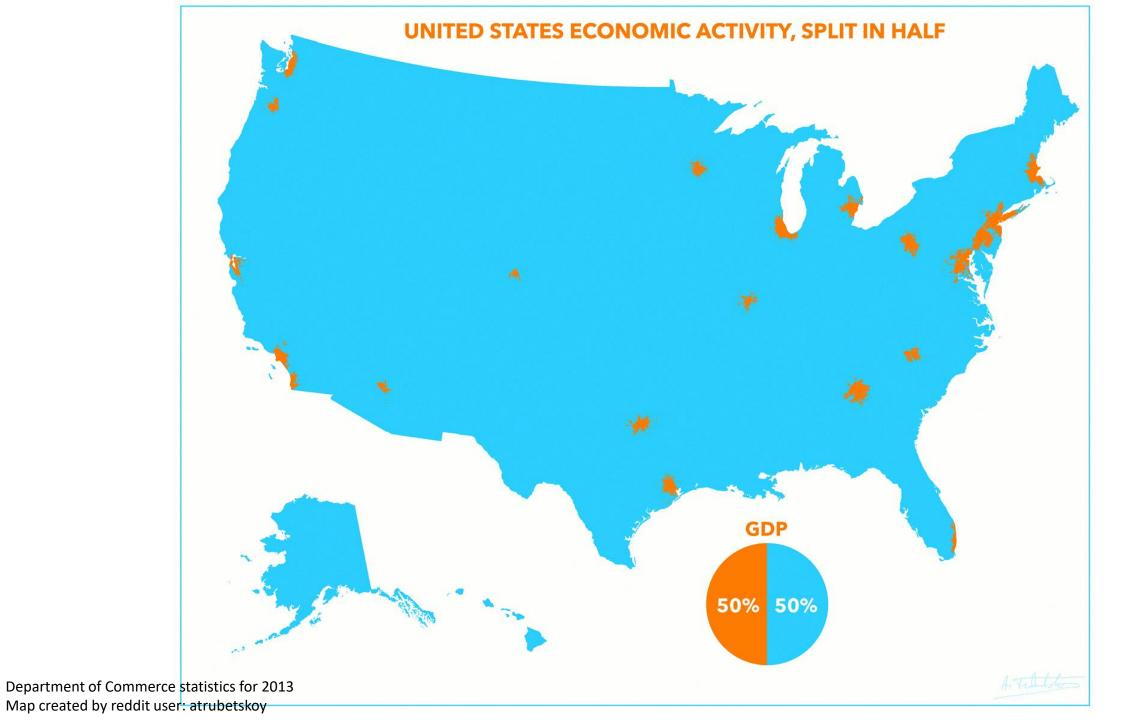
1850: Pop. 314,120

1930: Pop. 359,611

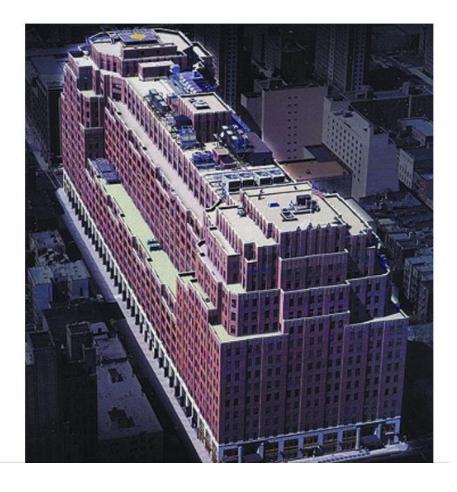
2010: Pop. 625,741







GOOGLE BUYS GIANT NEW YORK BUILDING FOR \$1.9 BILLION



Google bought Manhattan's Chelsea Market building for \$2.4 billion



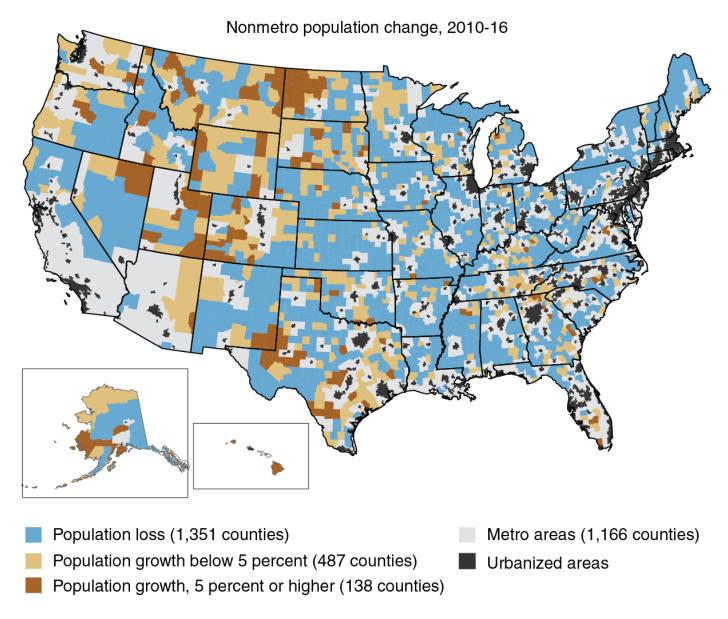
Brian Heater @bheater / Mar 20, 2018

Comment Comment

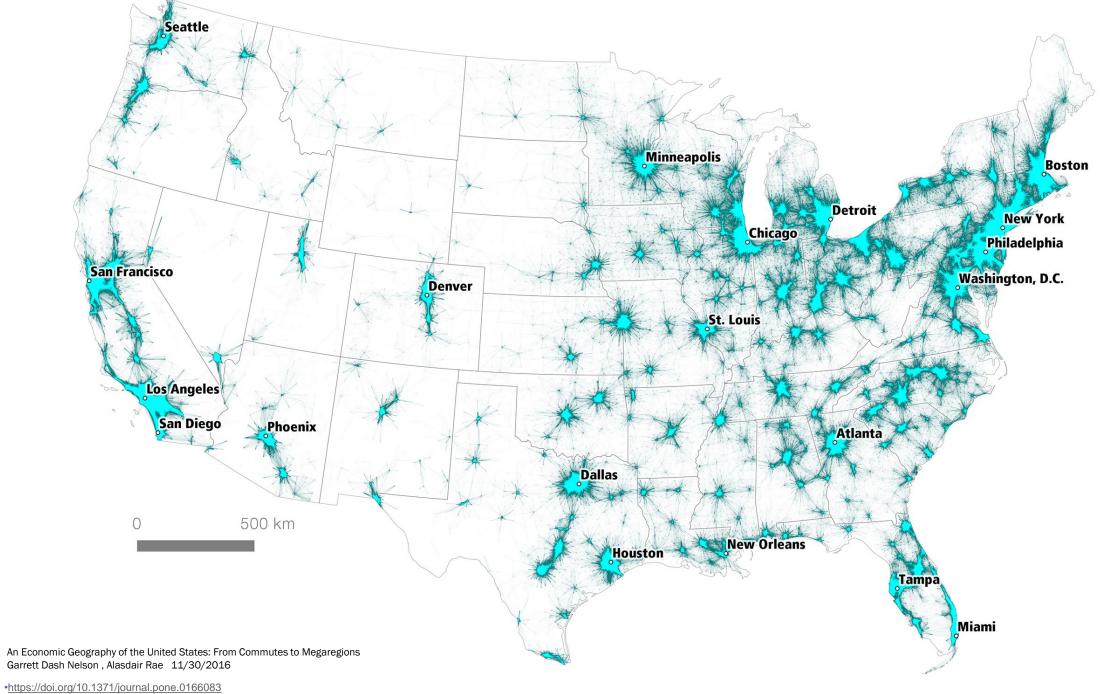


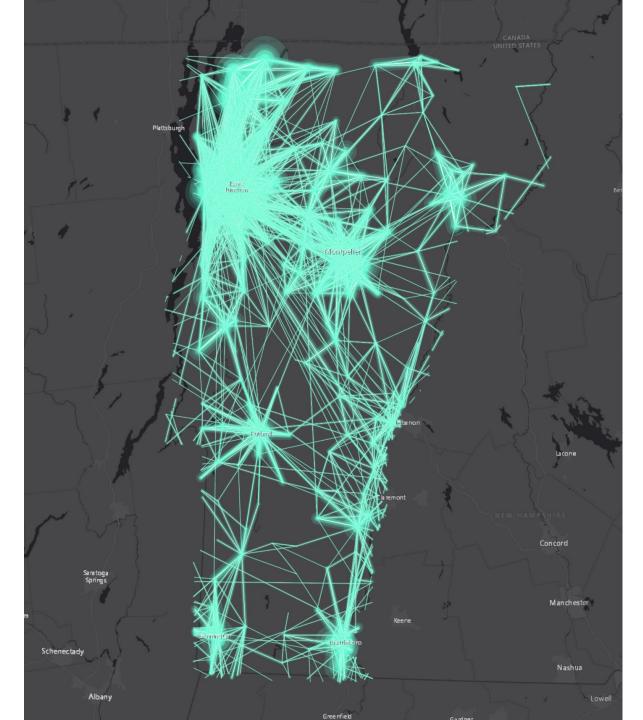
"Small firms, Smart People and Density"

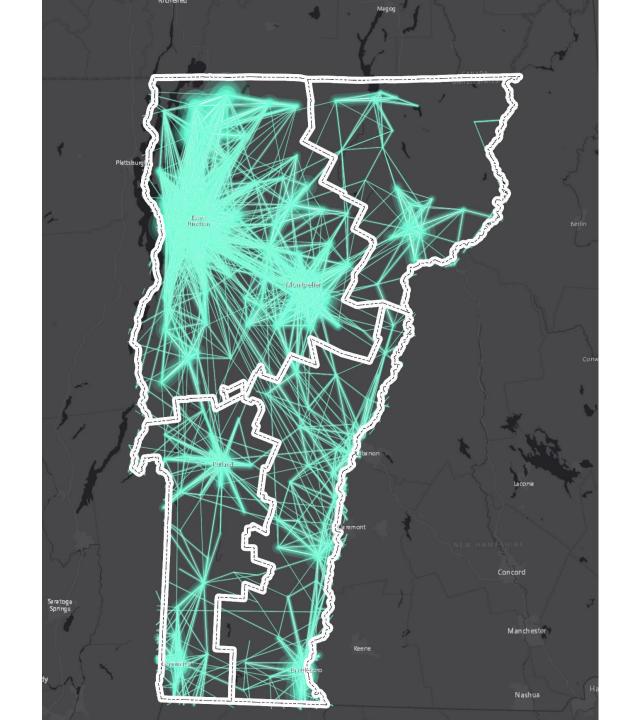
Population loss now widespread in the Eastern United States



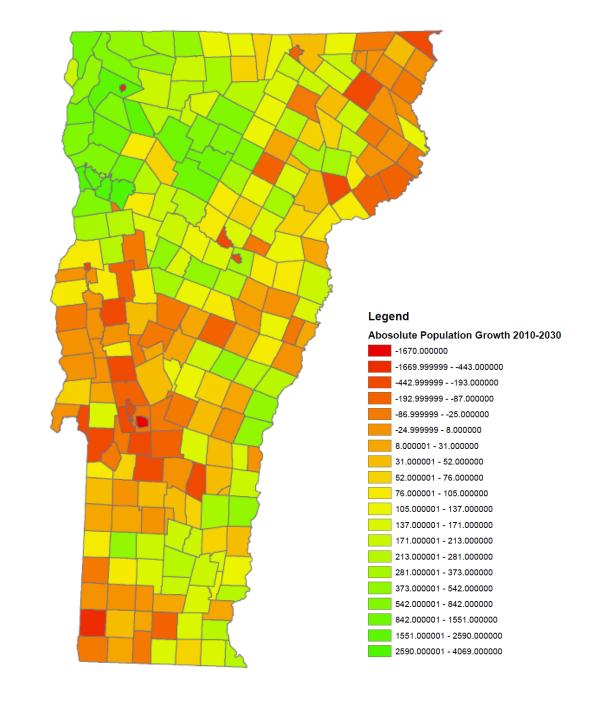
Source: USDA, Economic Research Service using data from the U.S. Census Bureau.







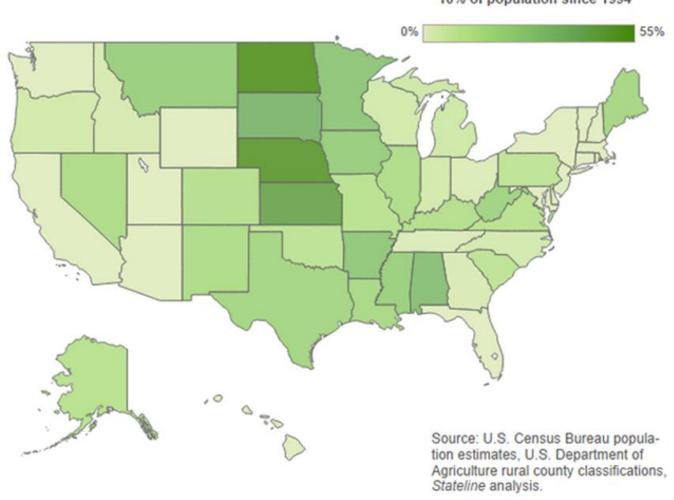
Projected Population Changes 2010-2030



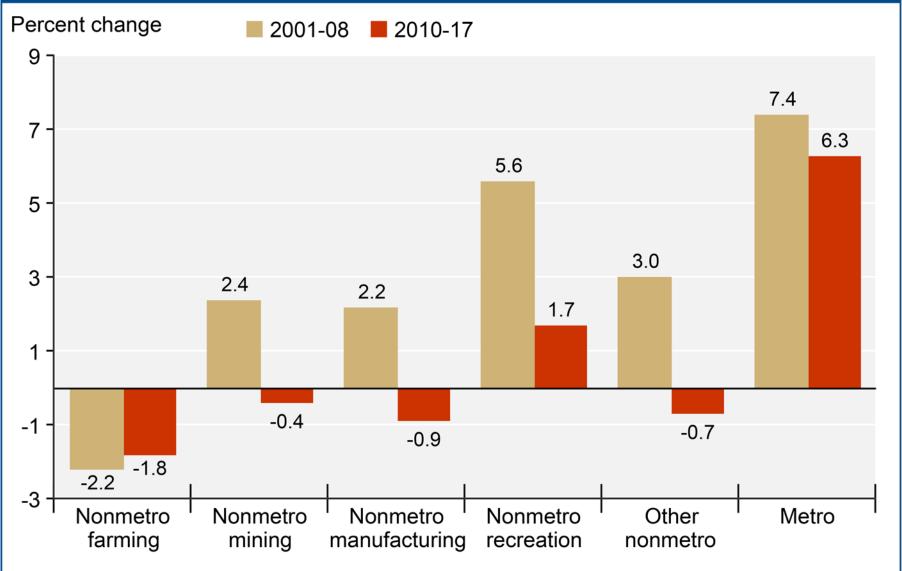
Rural Population Loss

Population loss has accelerated in recent years for much of rural America. Twenty-nine states saw a drop in population in their rural counties this decade. About half the rural counties in Kansas, Nebraska and North Dakota lost more than 1 in 10 of their residents since 1994. Delaware, New Jersey and Rhode Island have no counties classified as rural by the U.S. Department of Agriculture. Hover over states for details. ..

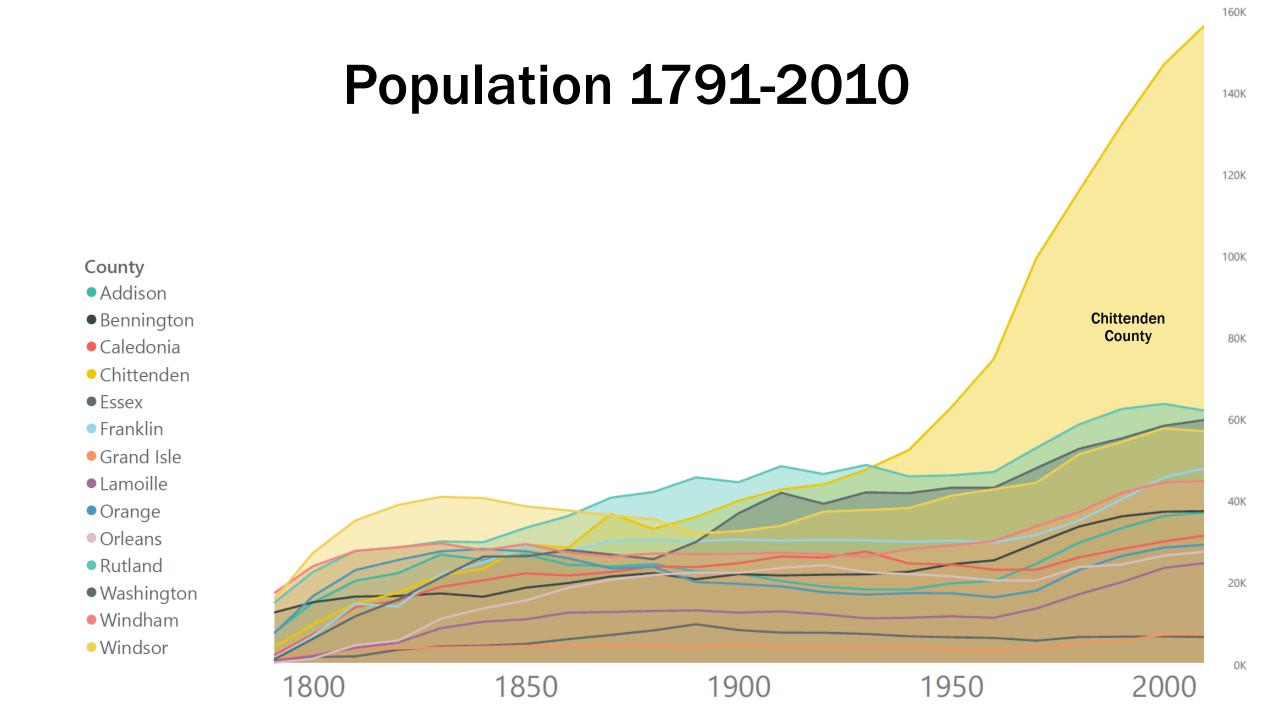
Share of rural counties losing more than 10% of population since 1994



Population change by county type, 2001-08 and 2010-17



Note: County types are described in the ERS County Typology Codes data product: http://www.ers.usda.gov/data-products/county-typology-codes.aspx
Source: USDA, Economic Research Service using data from the U.S. Census Bureau.

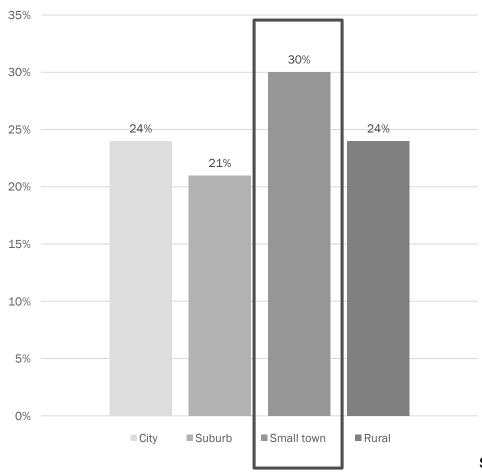


Opportunities

People want to live in small towns

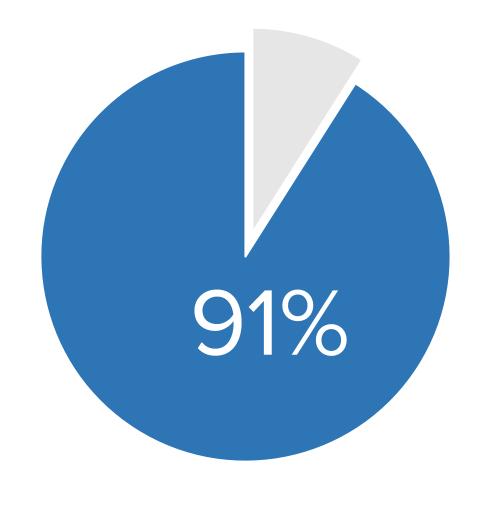
If you could live anywhere in the United States that you wanted to, would you prefer a city, a suburban area, a small town or a rural area?

n: 3,341

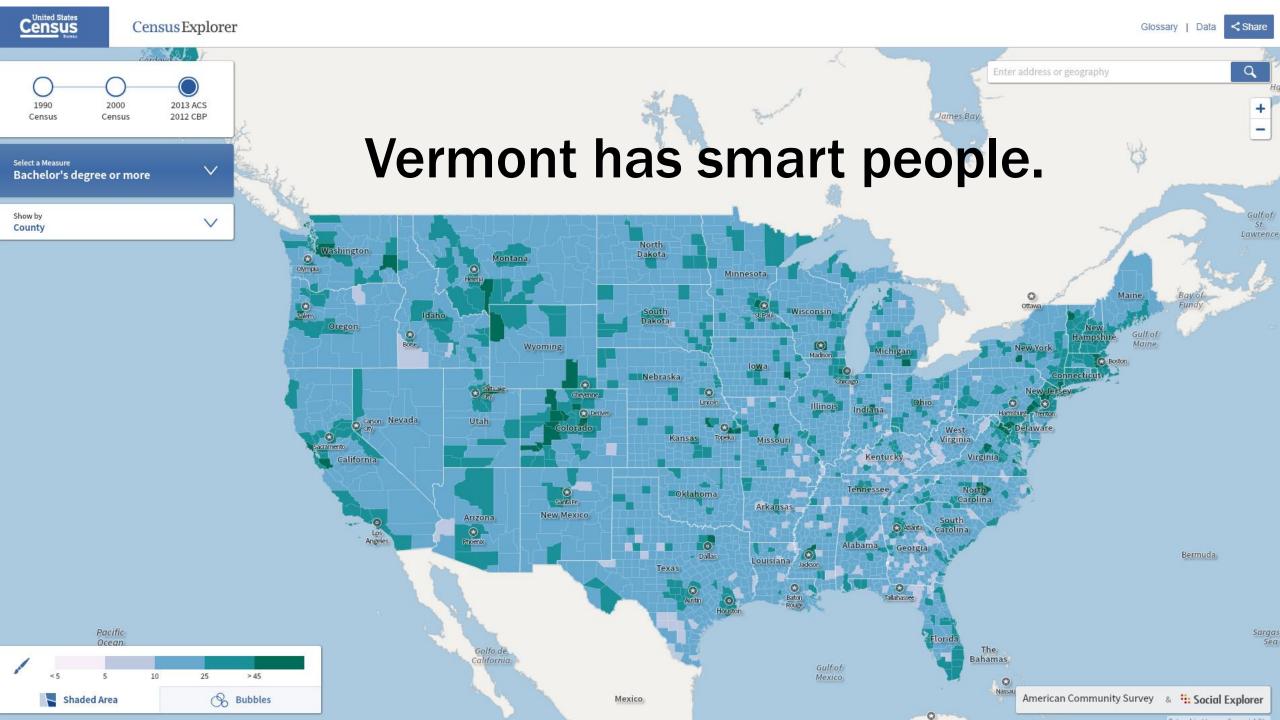


Source: Pew Research Center 2014

I would walk to work, school, shopping or other activities if they were close enough...



Source: RSG 2012 n=519





Thank You

John.E.Adams@Vermont.gov