

# Infrastructure for Successful, Sustainable Communities

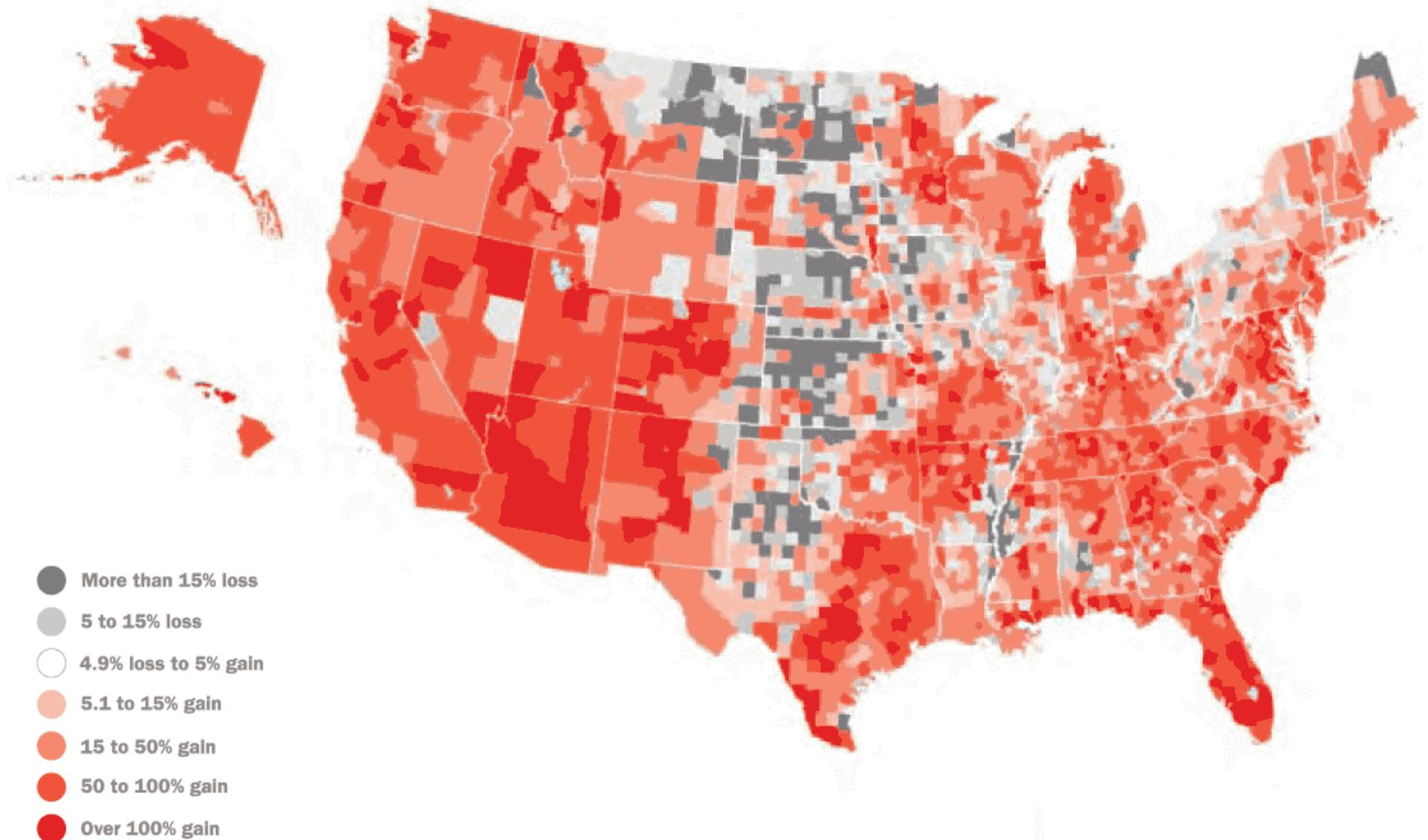
## *Metro Infrastructure Workshop*



Charlie Hales, HDR Engineering  
May 28, 2008

*Community, Mobility, and Environment*

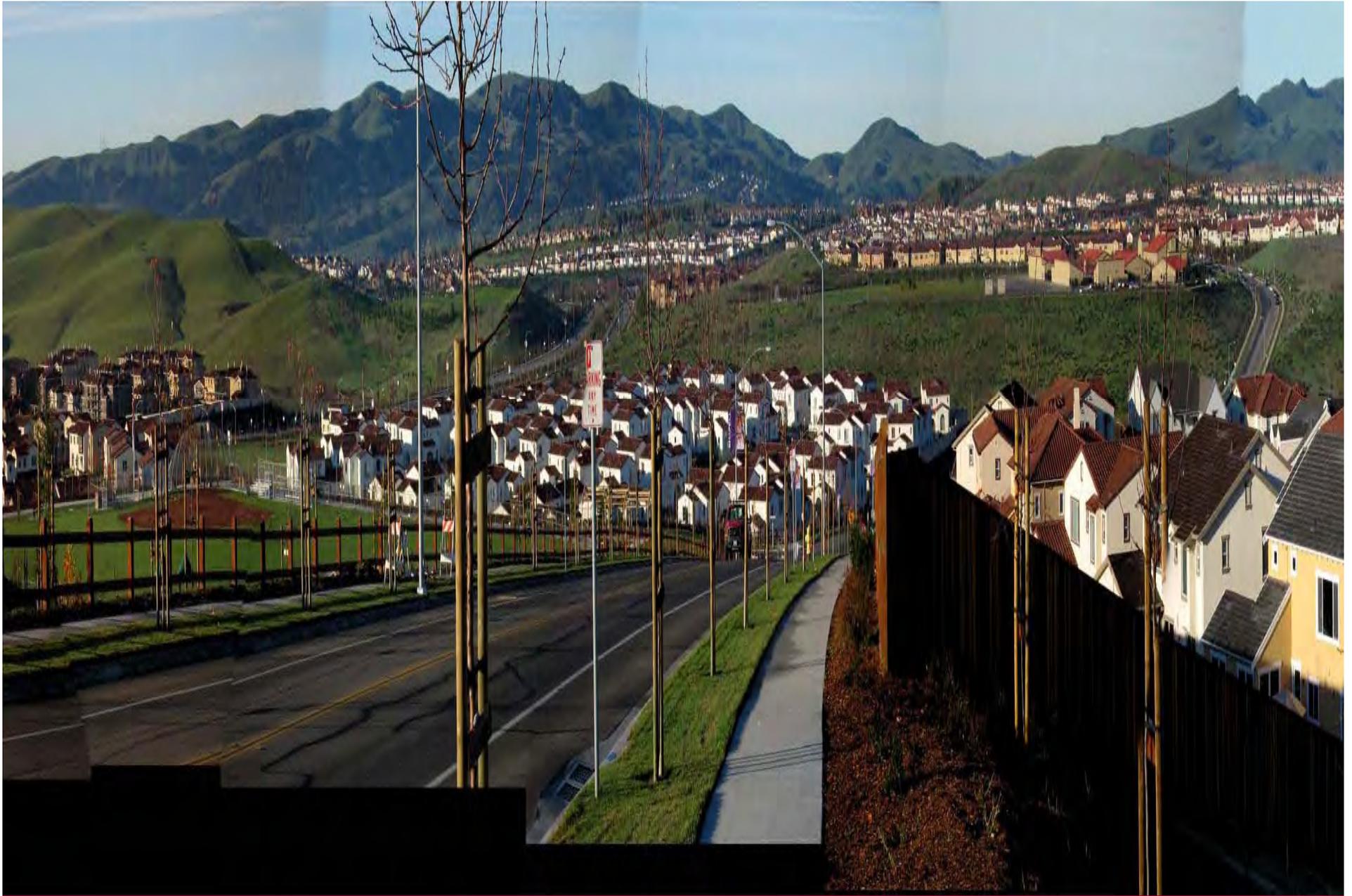
# U.S. Population Change, 2000 – 2050



# Metros Capture Huge Market Share

	10 Mega-regions	Metro Areas >1 Million
1 Share of U.S. Population	68%	58%
2 Share of Traffic Congestion	92%	97%
3 Share of GDP	78%	61%
4 Share of Transit Ridership	93%	92%
5 Share of Population Exposure to Criteria Pollutants	94%	88%

Sources: U.S. Census, Texas Transportation Institute, U.S. Conference of Mayors, EPA



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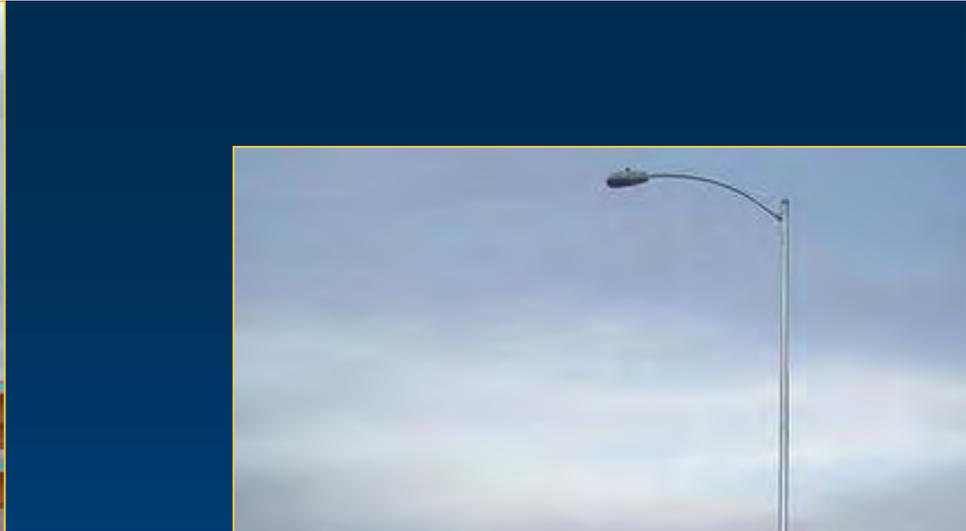
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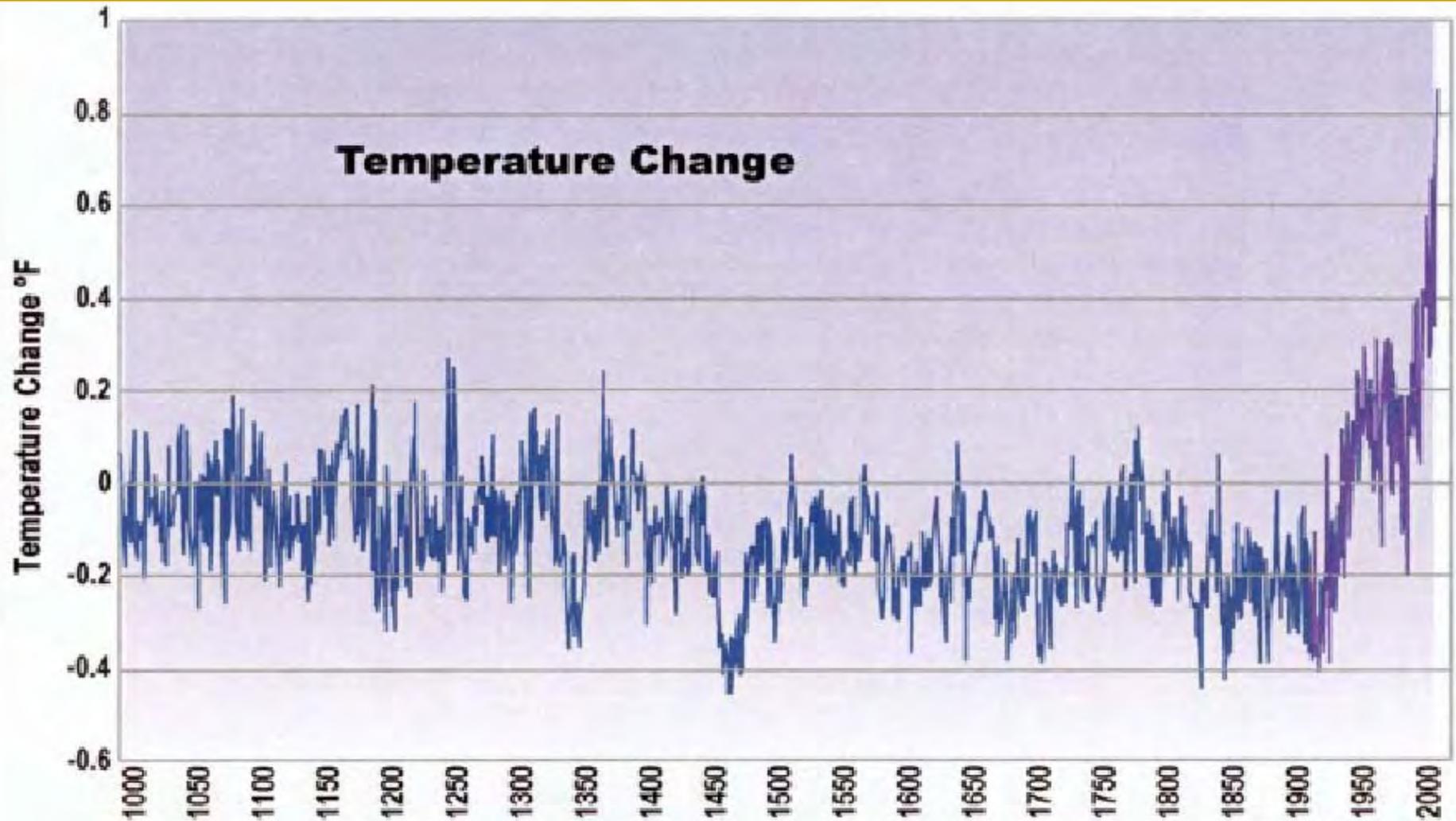


# Sprawlopolis

And walk...where?



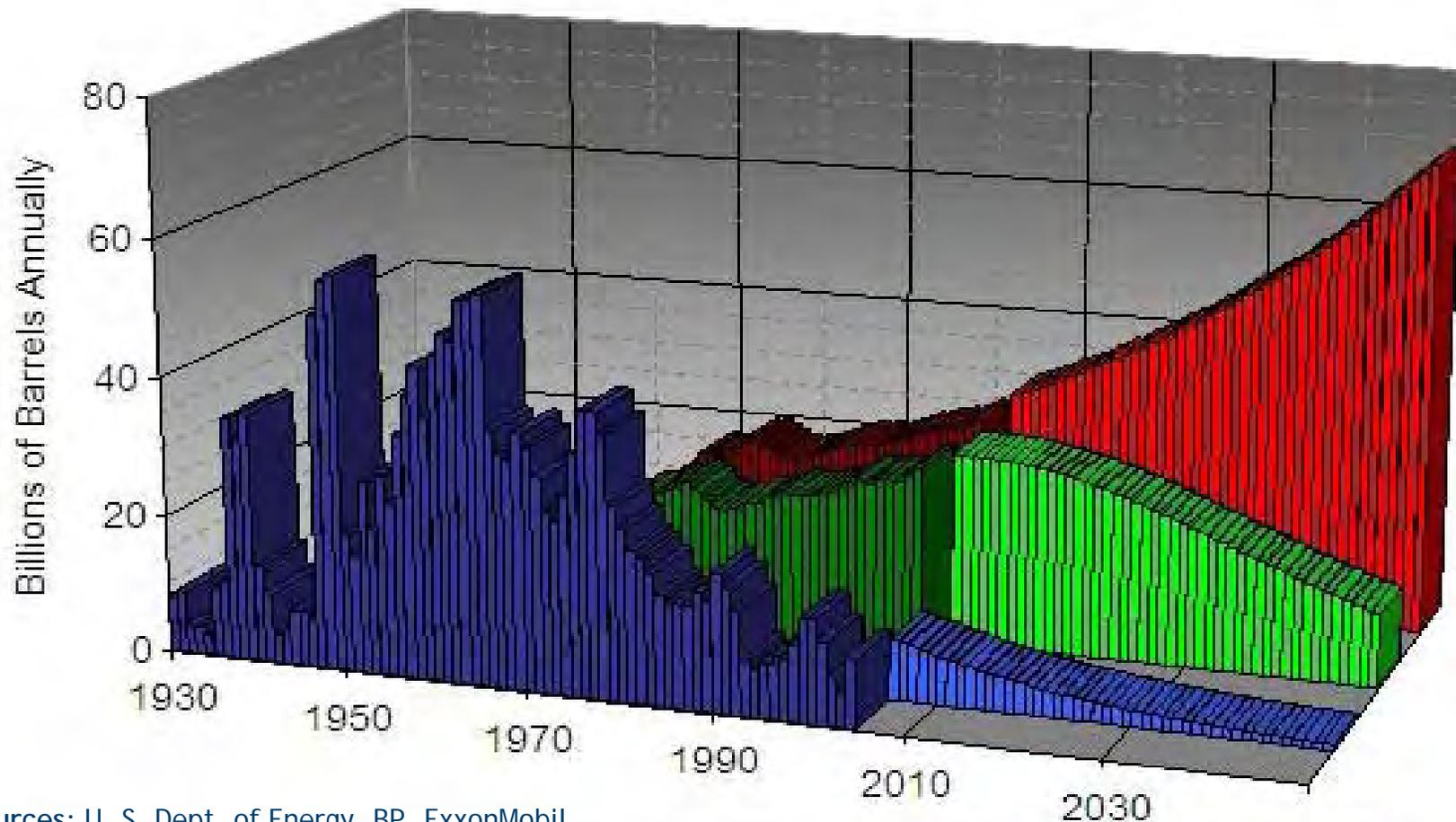
# 1000 Years of Global CO2 and Temperature Change



# Total World Oil Supply



# The full picture...



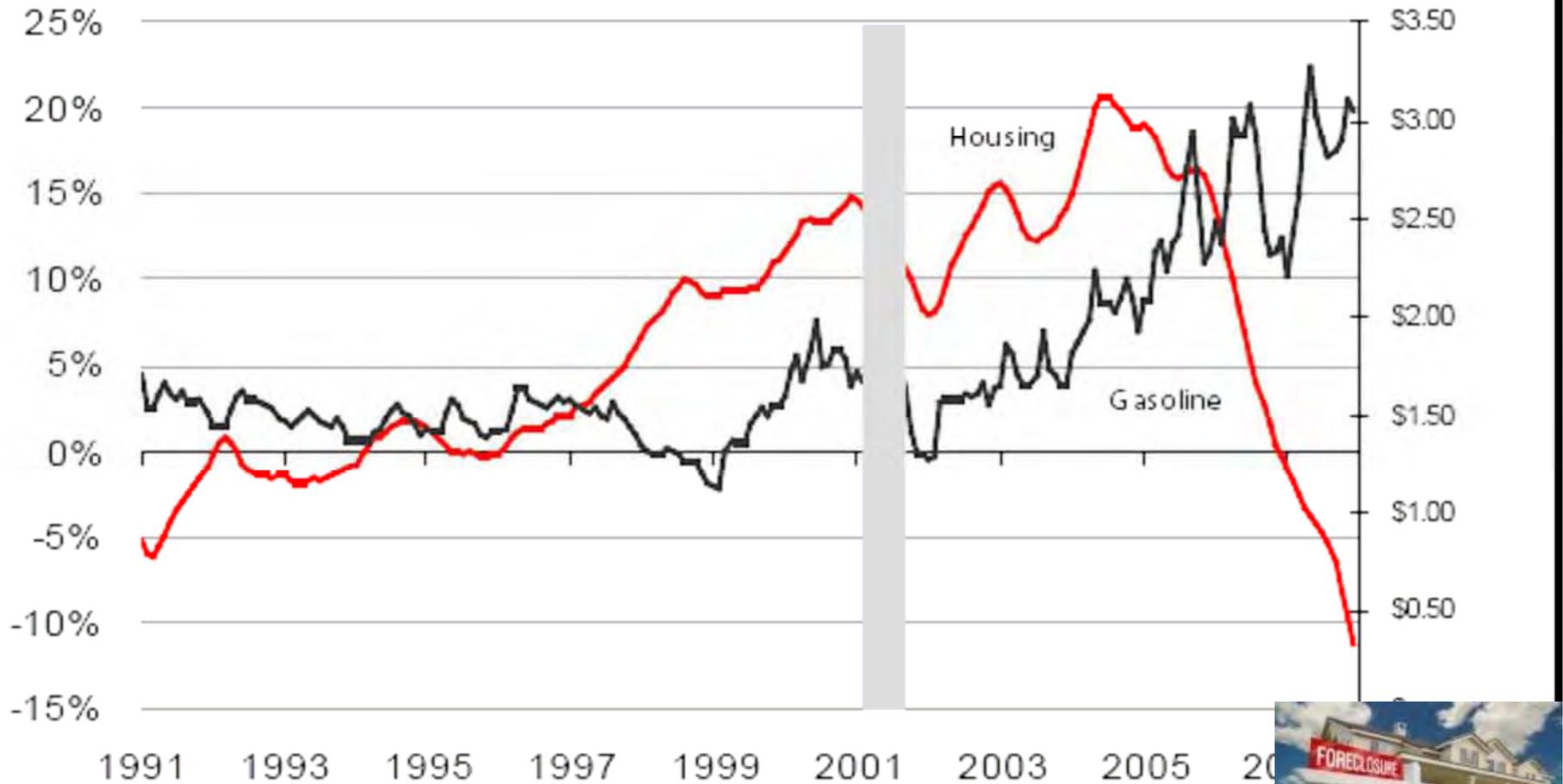
Sources: U. S. Dept. of Energy, BP, ExxonMobil



# Housing Bubble Meets the Gas Price Spike

Annual Housing Price Change

Real Price of Gas (2008\$)

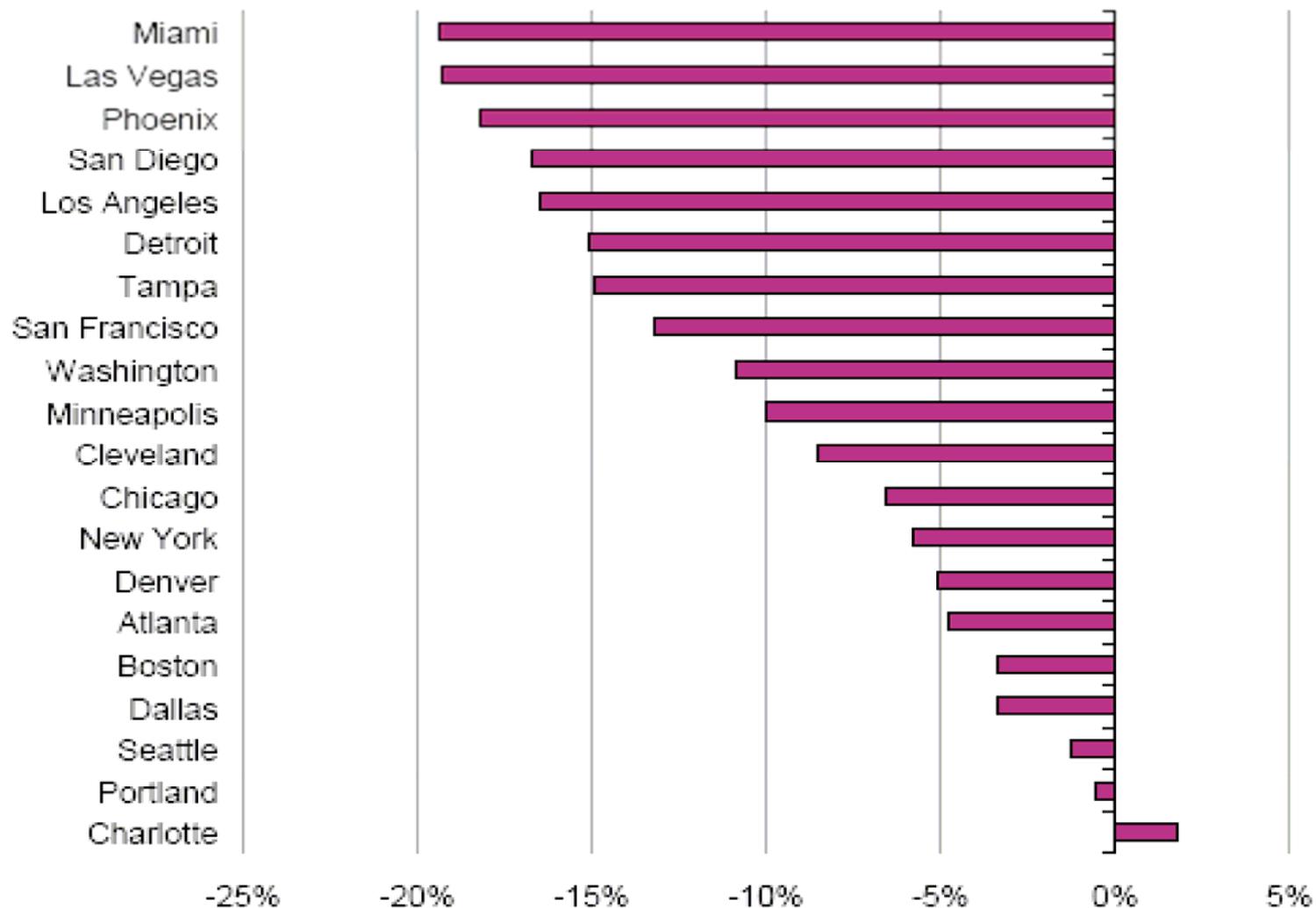


Source: Case-Shiller housing data, Energy Information Administration gas price data



# Metro Housing Markets Vary Substantially

Housing price changes, Year over Year, to January 2008





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# Portland Regional Infrastructure

- Political
- Policy
- Physical



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# Portland Regional Infrastructure

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# Portland Regional Infrastructure

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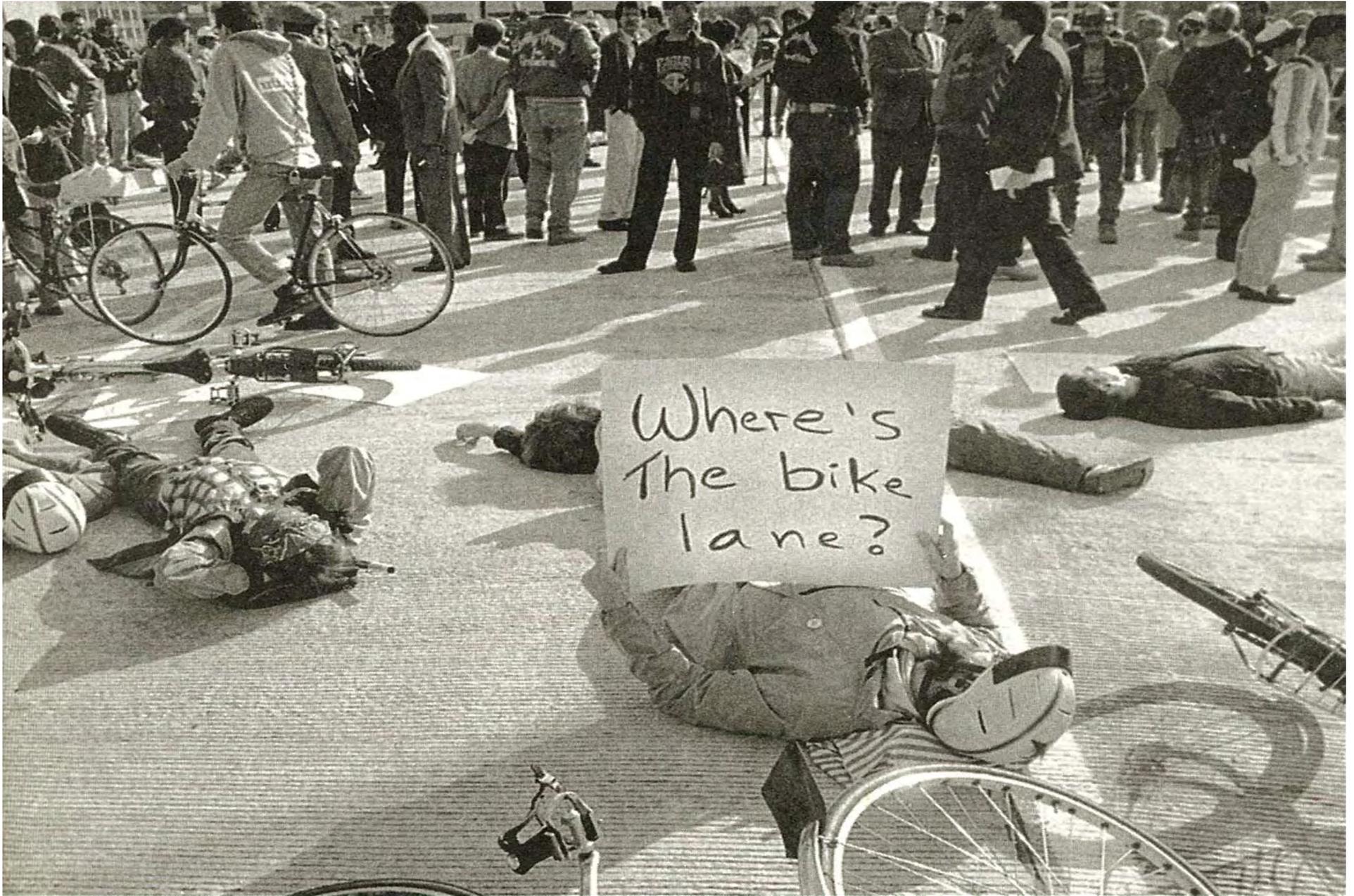
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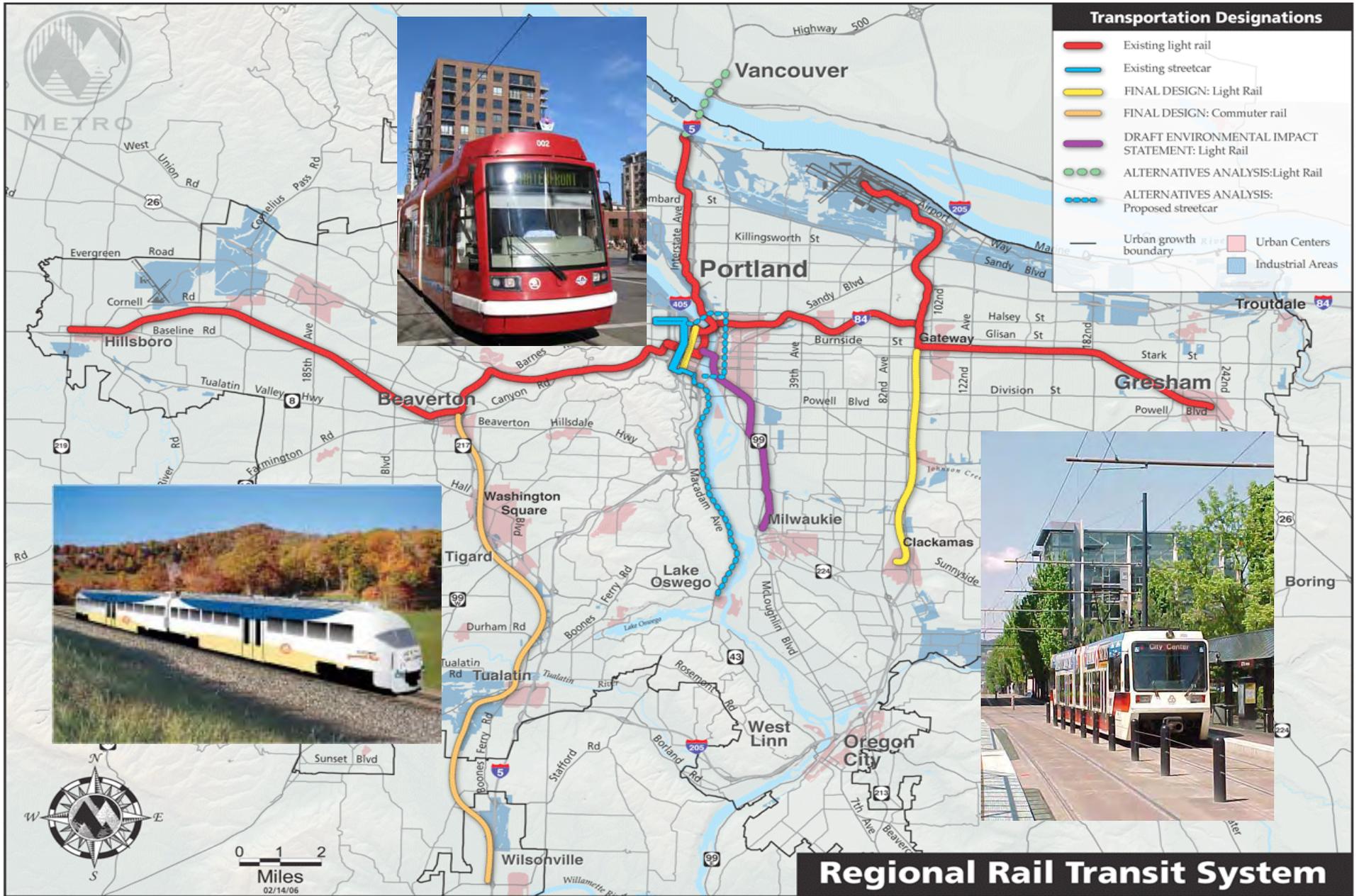






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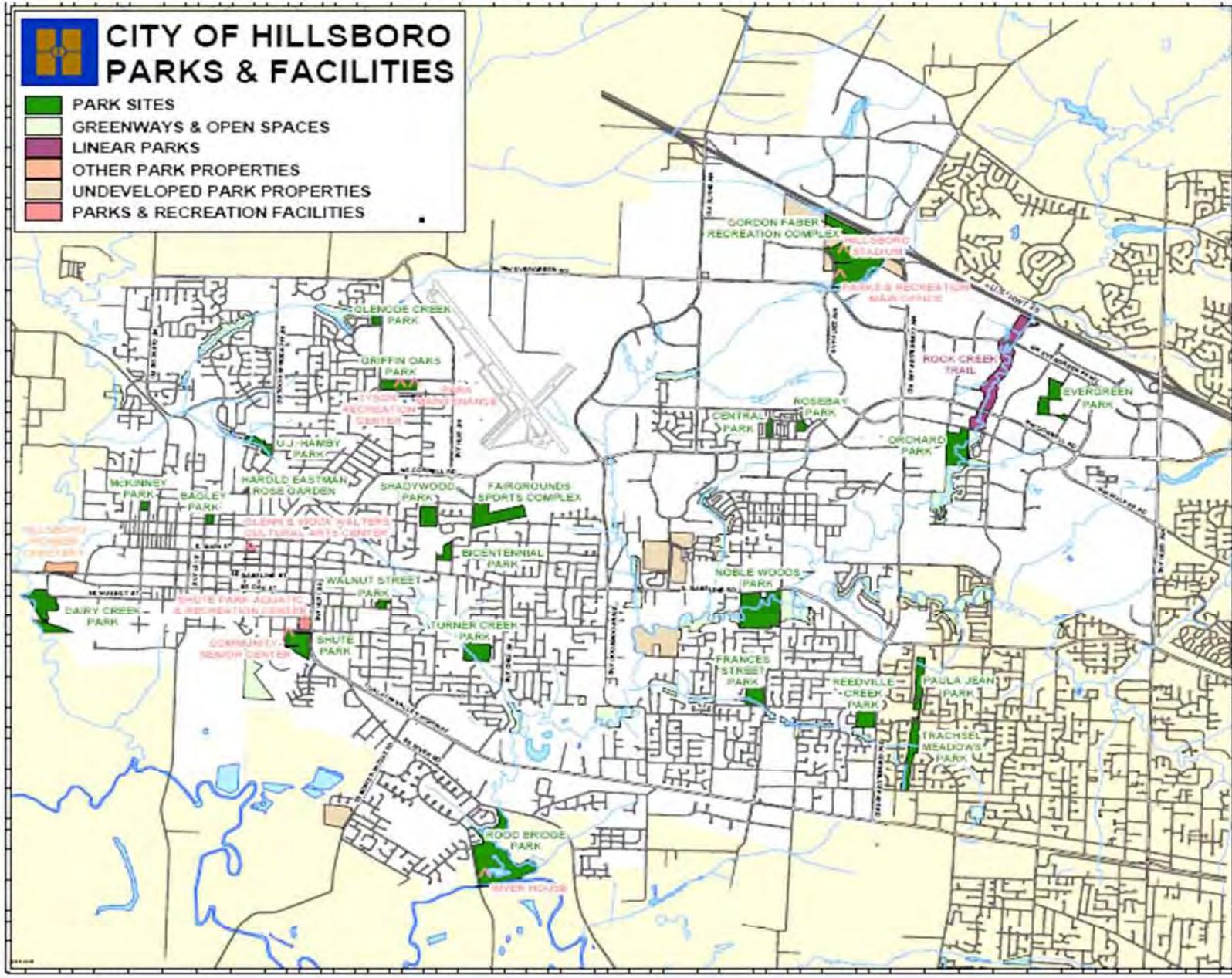
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# CITY OF HILLSBORO PARKS & FACILITIES

- PARK SITES
- GREENWAYS & OPEN SPACES
- LINEAR PARKS
- OTHER PARK PROPERTIES
- UNDEVELOPED PARK PROPERTIES
- PARKS & RECREATION FACILITIES



- ### PARKS
- DAILEY PARK**  
201 NE Jackson Street
  - BICENTENNIAL PARK**  
275 NE 25th Avenue
  - CENTRAL PARK**  
6200 NE Brighton Drive
  - DAIRY CREEK PARK**  
515 SW 17th Avenue
  - HAROLD EASTMAN ROSE GARDEN**  
620 NE Jackson School Road
  - EVERGREEN PARK**  
2815 NW 19th Terrace
  - FRANCES STREET PARK**  
4205 SE Frances Street
  - GLENOCIE CREEK PARK**  
2355 NE 15th Avenue
  - GRIFFIN OAKS PARK**  
1550 NE Griffin Oaks Street
  - U.J. HAMBY PARK**  
1035 NE Jackson School Road
  - MCKINNEY PARK**  
275 NW Dennis Avenue
  - NOBLE WOODS PARK**  
23492 W Baseline Road
  - ORCHARD PARK**  
20500 NW Amberwood Drive
  - REEDVILLE CREEK PARK**  
7500 SE Frances Street
  - ROCK BRIDGE PARK**  
4000 SE Road Bridge Road
  - ROSEBAY PARK**  
1550 NE 80th Avenue
  - SHADYWOOD PARK**  
535 SE 24th Avenue
  - SHUTE PARK**  
750 SE 8th Avenue
  - TURNER CREEK PARK**  
725 SE 31st Court
  - WALNUT STREET PARK**  
1717 SE Walnut Street
- ### FACILITIES
- HILLSBORO PARKS & REC OFFICE**  
4400 NE 22th Avenue
  - FAIRGROUNDS SPORTS COMPLEX**  
512 NE 25th Avenue
  - GORDON FABER SPORTS COMPLEX**  
4400 NW 22th Avenue
  - DR. ERNS & VIOLA WALTERS CULTURAL ARTS CENTER**  
527 E Main Street
  - HILLSBORO COMMUNITY-SENIOR CENTER**  
770 SE 8th Avenue
  - SHUTE PARK AQUATIC & RECREATION CENTER**  
253 SE Main Street
  - TRACY RECREATION CENTER**  
1520 NE Griffin Oaks Street
  - ROCK BRIDGE PARK**  
4000 SE Road Bridge Road

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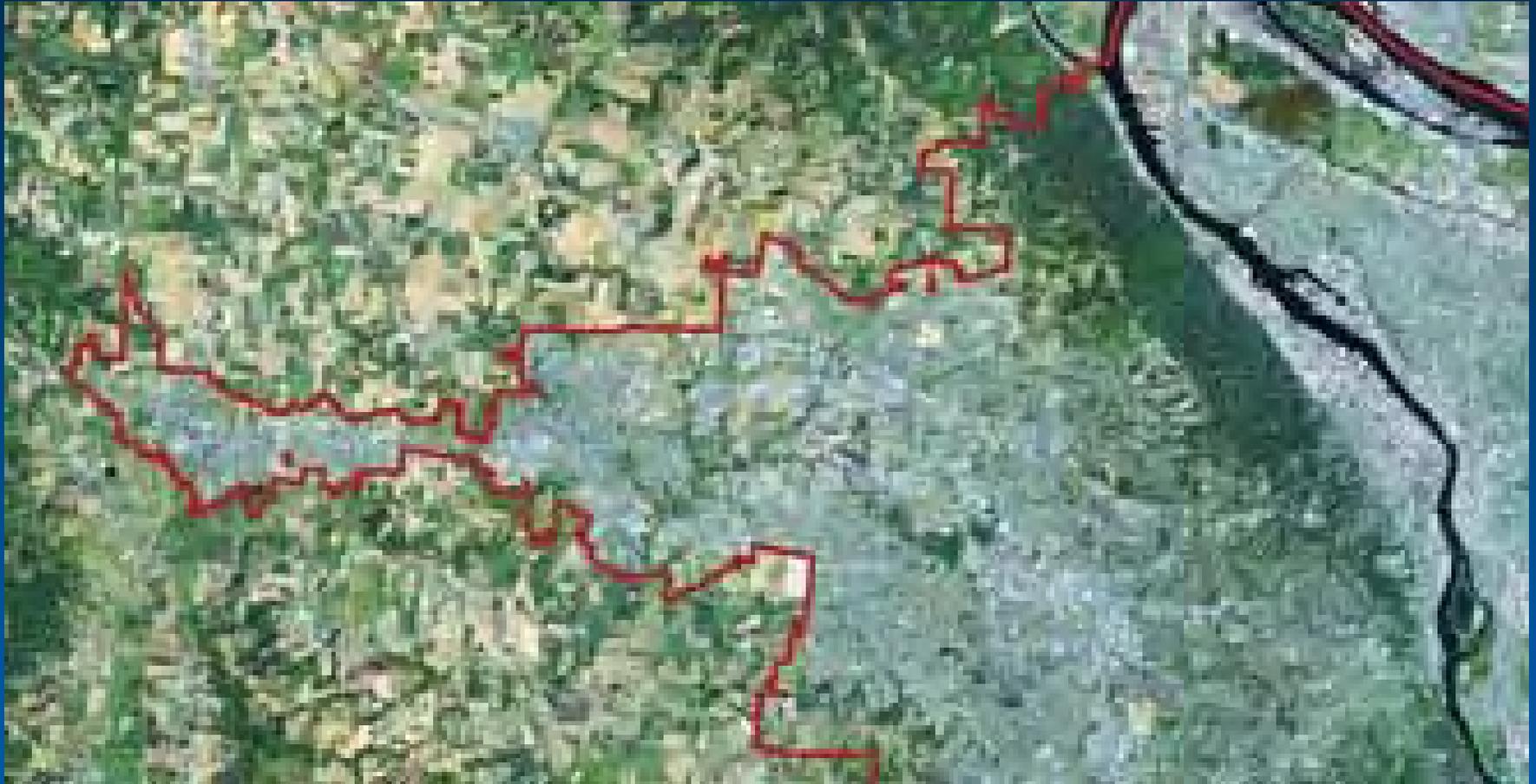
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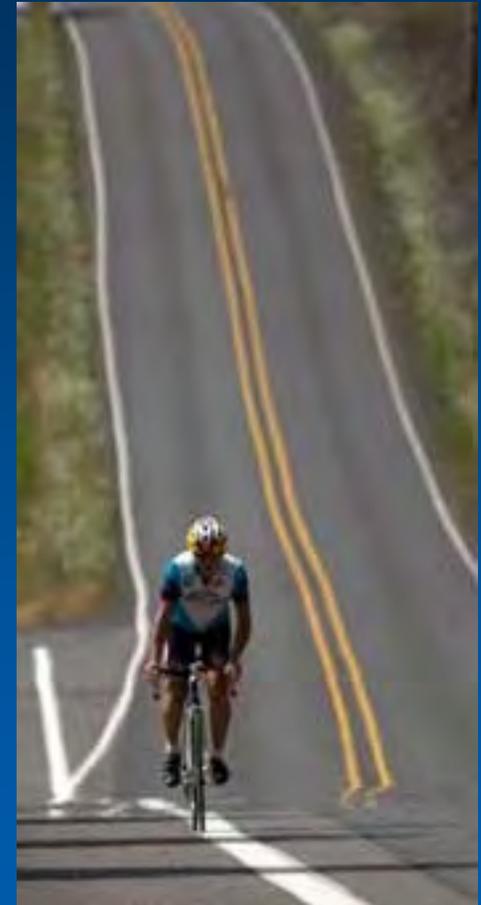


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**U.S. News** & WORLD REPORT



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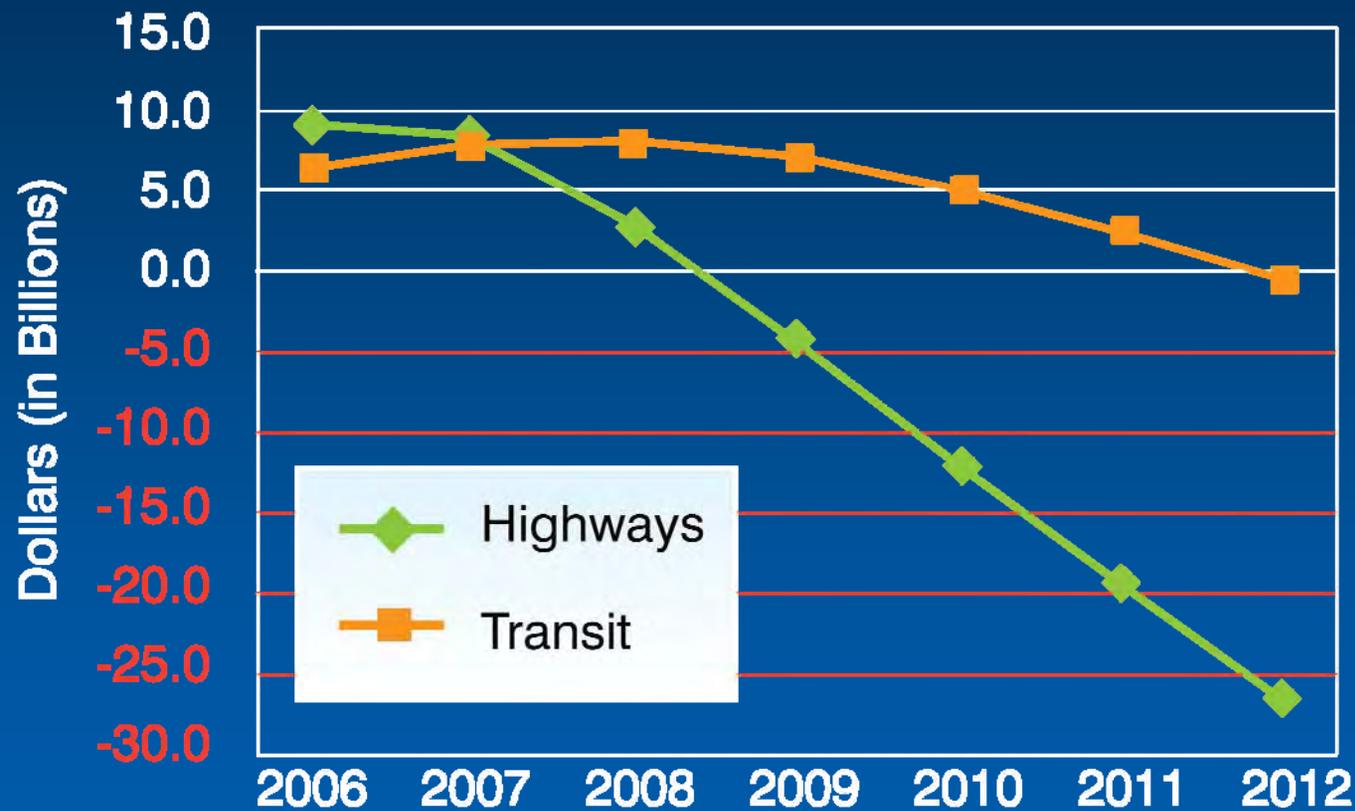




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# Projected Highway and Transit Account Balances Through 2012



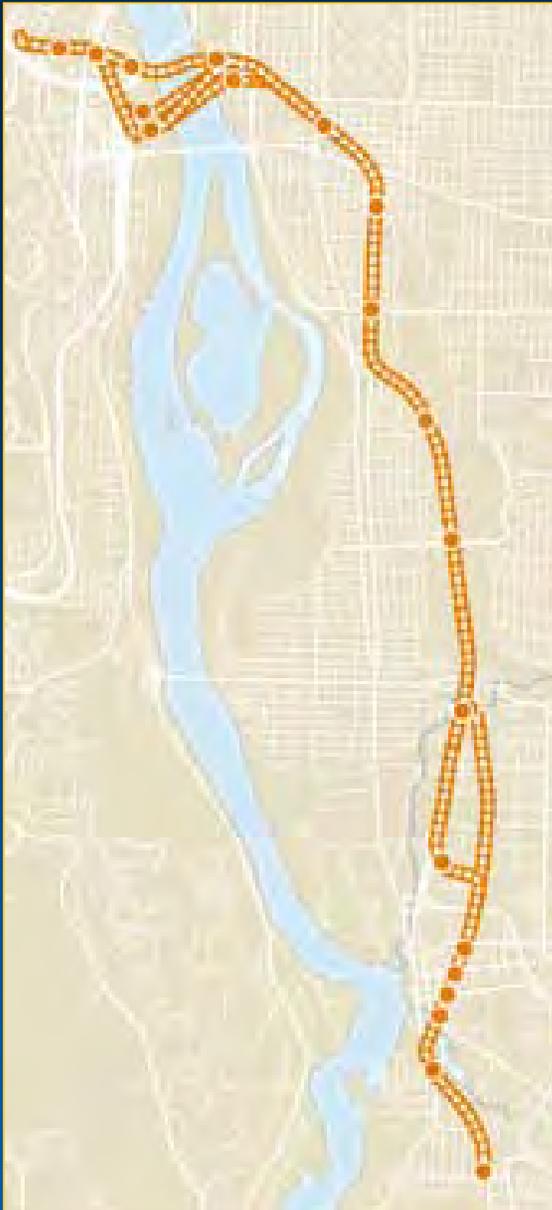
Source: U.S. Department of the Treasury projections

**OTIA**  
*Another Project Funded By*  
**OREGON TRANSPORTATION  
INVESTMENT ACT**



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**Enrolled  
House Bill 5036**

Ordered printed by the Speaker pursuant to House Rule 12.00A (5). Pre-session filed (at the request of Budget and Management Division, Oregon Department of Administrative Services)

CHAPTER .....

AN ACT

Relating to lottery bonds; creating new provisions; amending ORS 285B.551 and sections 2 and 3, chapter 788, Oregon Laws 2005; appropriating money; and declaring an emergency.

Be It Enacted by the People of the State of Oregon:

**SECTION 1.** ORS 285B.551 is amended to read:

285B.551. (1) Pursuant to ORS 286.560 to 286.580, lottery bonds may be issued:

(a) To provide financial and other assistance, including but not limited to loans and grants, to municipalities, ports and other persons and entities in accordance with the laws governing use of moneys in the Special Public Works Fund created by ORS 285B.455, the Water Fund created by ORS 285B.563, the Safe Drinking Water Revolving Loan Fund created by ORS 285A.213, the Oregon Port Revolving Fund created by ORS 285A.708, the Brownfields Redevelopment Fund created by ORS 285A.188, the Oregon Business Development Fund created by ORS 285B.092 and the Marine Navigation Improvement Fund created by ORS 777.267.

(b) To fund Oregon's share of the costs of the Columbia River channel deepening project.

(c) To fund Oregon's share of the costs of studies and ecosystem restoration projects in the lower Columbia River estuary designed to improve habitat for listed endangered or threatened species of Columbia River anadromous salmonids.

(2) The use of lottery bond proceeds is authorized based on the following findings:

(a) The financial and other assistance to municipalities, ports and other persons and entities will assist in the establishment and expansion of businesses in Oregon and in the construction, improvement and expansion of infrastructure, community and port facilities and other facilities that comprise the physical foundation for industrial and commercial activity and provide the basic framework for continued and expanded economic opportunities and quality communities throughout Oregon.

(b) The Columbia River channel deepening project is necessary to allow newer, larger steamships access to Oregon and Washington deep draft ports. A deeper shipping channel will allow the Columbia River to continue as a world leader in agricultural exports and as a key trade corridor for farms and businesses throughout Oregon and the region.

(c) Such financial and other assistance to municipalities, ports and other persons and entities and the deepening of the Columbia River channel will therefore promote economic development within this state, and thus the use of net proceeds derived from the operation of the Oregon State Lottery to pay debt service on lottery bonds issued under this section to provide such financial and other assistance to municipalities, ports and other persons and entities and to pay a portion of the

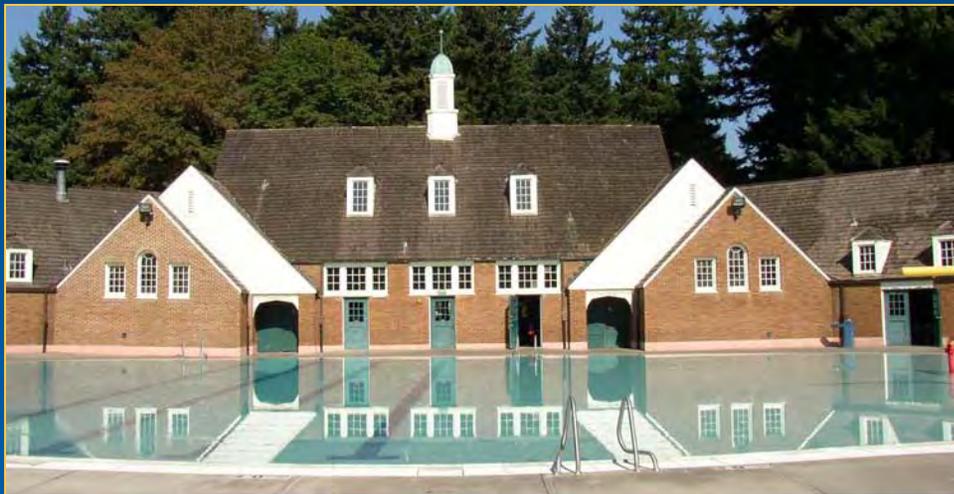
# TRANSIT TAX GETS OVERWHELMING ENDORSEMENT IN CHARLOTTE, NC

November 7, 2007

## 2007 Continues the Trend of Transportation Investment at Ballot Box Over 67% of Transit Measures Approved in 2007 Nationwide

On November 6, voters across the country once again went to the polls in support of Transportation Investment. 70 percent of the voters in Mecklenburg County voted to allow the Charlotte Area Transit System (CATS) to continue collecting the half-cent tax, which generated \$70 million last year, and will continue with its expansive 2030 transit program.

Tuesday's elections continue the growing trend of securing additional transportation funding at the ballot box and the strong voter support for these measures. With this year's results, voters have approved more than \$115 billion for transportation since 2000.



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## Our bond proposal: What do you think?

THPRD is considering a bond measure this November to help address growth and future recreational needs in the district. Two options have been created. The base package option adds up to about \$51 million in projects, while the expanded package option would total about \$86 million.

What's your preference? Please review the information in the links below, then take our [brief online survey](#) to let us know what you think. Thank you!

[Fact Sheet/Q&A](#)

[Benefits of Proposed Projects](#)

[Conceptual Package - Base and Expanded Options](#)

[Conceptual Package - Needs Analysis](#)

[Community Center Survey](#)

# Making the Case for Investing/Reinvesting in Our Shared Assets:

1. Plan for Complete Communities

2. Cooperate Regionally/  
Innovate Locally

3. Enlist Citizens as Investors



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# REGION 2010

Division for Zoning  
2040 Growth Concept

The Authority shall not be liable for any errors or omissions in this document.

Population: 8,000	Area: 1.0
Population: 10,000	Area: 1.5
Population: 15,000	Area: 2.5
Population: 20,000	Area: 4.0
Population: 25,000	Area: 6.0
Population: 30,000	Area: 8.0
Population: 35,000	Area: 11.0
Population: 40,000	Area: 15.0
Population: 45,000	Area: 20.0
Population: 50,000	Area: 25.0
Population: 55,000	Area: 32.0
Population: 60,000	Area: 40.0
Population: 65,000	Area: 50.0
Population: 70,000	Area: 60.0
Population: 75,000	Area: 75.0
Population: 80,000	Area: 90.0
Population: 85,000	Area: 110.0
Population: 90,000	Area: 130.0
Population: 95,000	Area: 150.0
Population: 100,000	Area: 180.0

City of Raleigh Planning and Zoning Department  
2010

### LEGEND

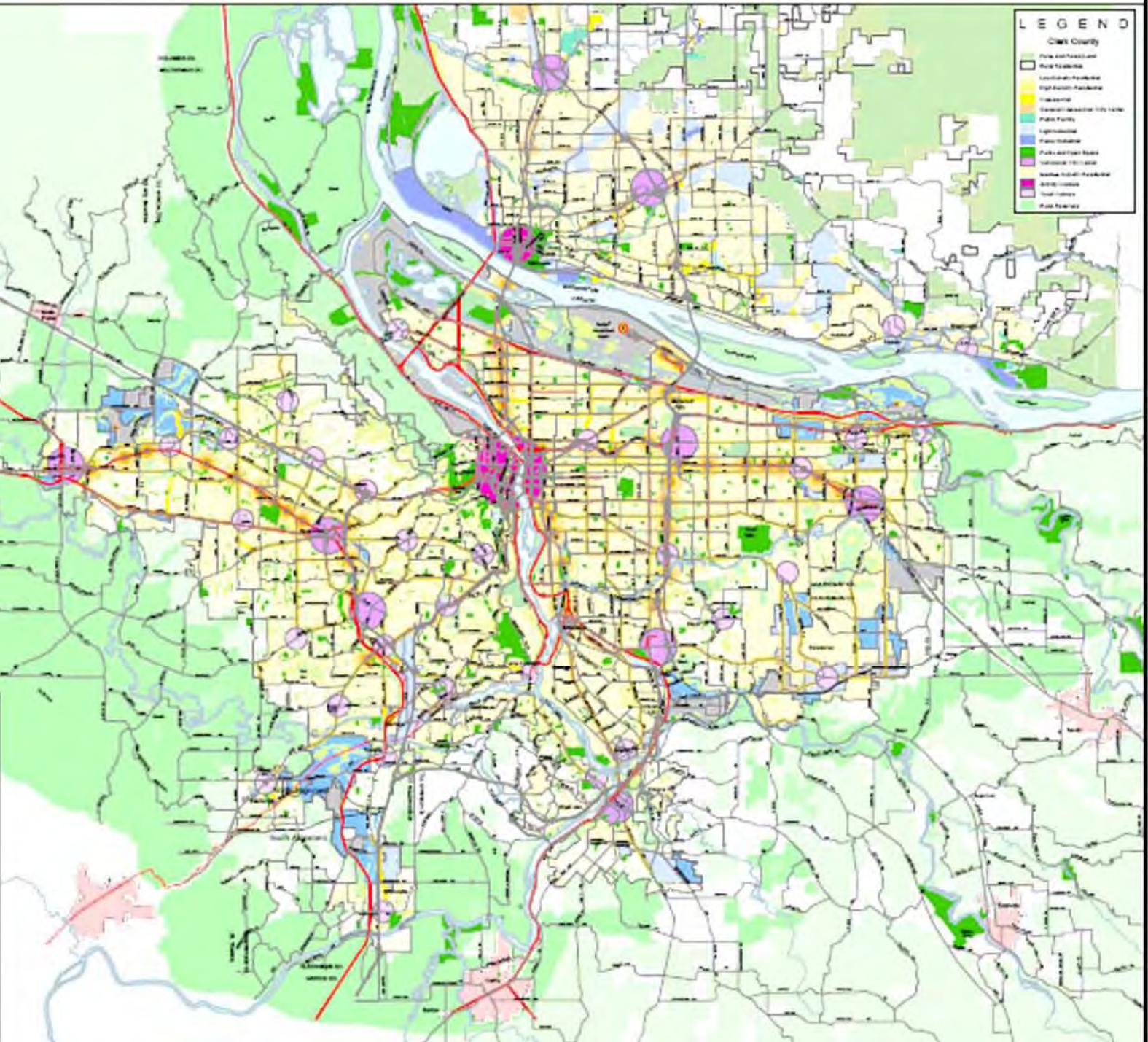
City of Raleigh

- Public Facilities
- Public Parks
- Public Schools
- Public Libraries
- Public Housing
- Public Utilities
- Public Transportation
- Public Safety
- Public Health
- Public Services
- Public Works
- Public Administration
- Public Information
- Public Safety
- Public Services
- Public Works
- Public Administration
- Public Information

### LEGEND

Metropolitan Region

- Urban Core
- Urban Fringe
- Suburban
- Exurban
- Rural
- Water Resources
- Transportation
- Public Facilities
- Public Parks
- Public Schools
- Public Libraries
- Public Housing
- Public Utilities
- Public Transportation
- Public Safety
- Public Health
- Public Services
- Public Works
- Public Administration
- Public Information



# Locally-controlled project funding sources

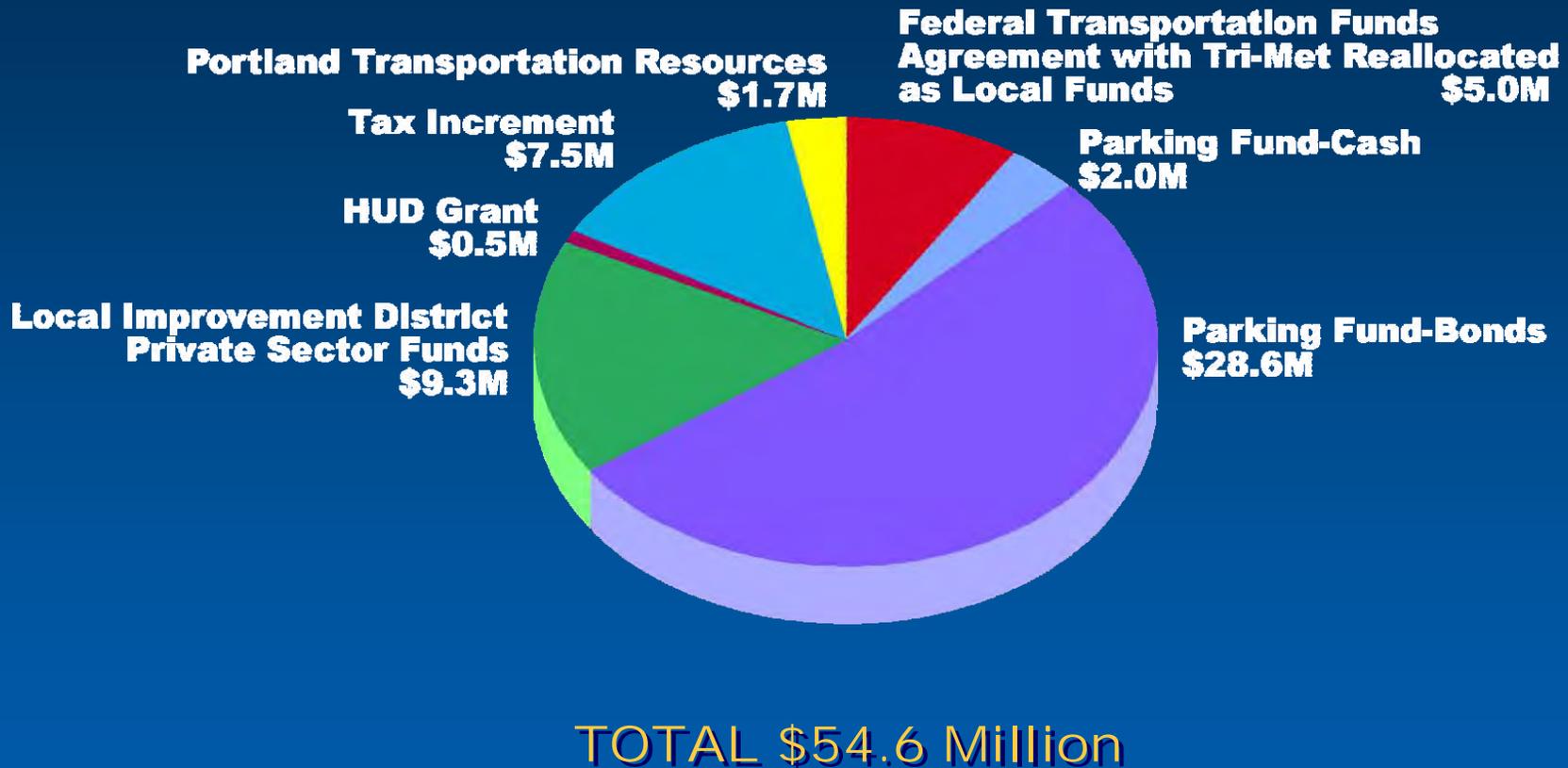
- Voter-approved sales or property tax increases
- Parking revenues
- Sale/joint development of city property
- Tax increment financing
- Assessment districts
- Amusement or ticket taxes
- System development charges
- Local gas tax, vehicle fees



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# PORTLAND STREETCAR CAPITAL FINANCE PLAN Phase 1





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# Portland Regional Infrastructure

- **Political** – *consensus at the leadership level*
- **Policy** – *vision/public desire for livable communities realized through regional cooperation and coherent and local strategies*
- **Physical** – *invest, using all the locally-implementable tools at hand*

# Making the Case for Investing/Reinvesting in Our Shared Assets:

1. Plan for Complete Communities

2. Cooperate Regionally/  
Innovate Locally

3. Enlist Citizens as Investors

## Resources:

- [innovativefinance.org](http://innovativefinance.org)
- [cfte.org](http://cfte.org)
- [reconnectingamerica.org](http://reconnectingamerica.org)
- [cnt.org](http://cnt.org)
- [walkable.org](http://walkable.org)
- [ceosforcities.org](http://ceosforcities.org)