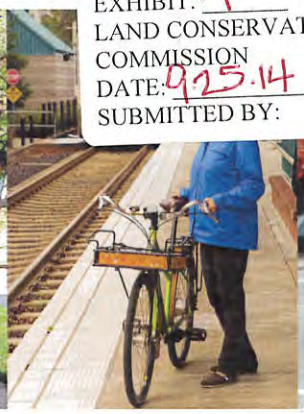
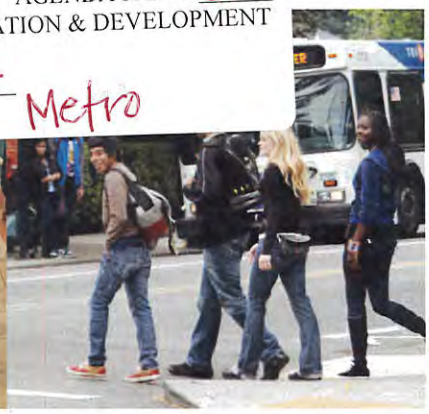
EXHIBIT: A AGENDA ITEM: 3
LAND CONSERVATION & DEVELOPMENT COMMISSION
DATE: 9.25.14
SUBMITTED BY: Metro

CLIMATE SMART COMMUNITIES SCENARIOS PROJECT

Metro





KEY RESULTS

The Climate Smart Communities Scenarios Project responds to a state mandate to reduce greenhouse gas emissions from cars and small trucks by 2035. Working together, community, business and elected leaders are shaping a strategy that meets the goal while creating healthy and equitable communities and a strong economy. On May 30, 2014, Metro's policy advisory committees unanimously recommended a draft approach for testing that relies on policies and investments that have already been identified as priorities in communities across the region. **The results are in and the news is good.**

WHAT DID WE LEARN?

We can meet the 2035 target if we make the investments needed to build the plans and visions that have already been adopted by communities and the region. However, we will fall short if we continue investing at current levels.

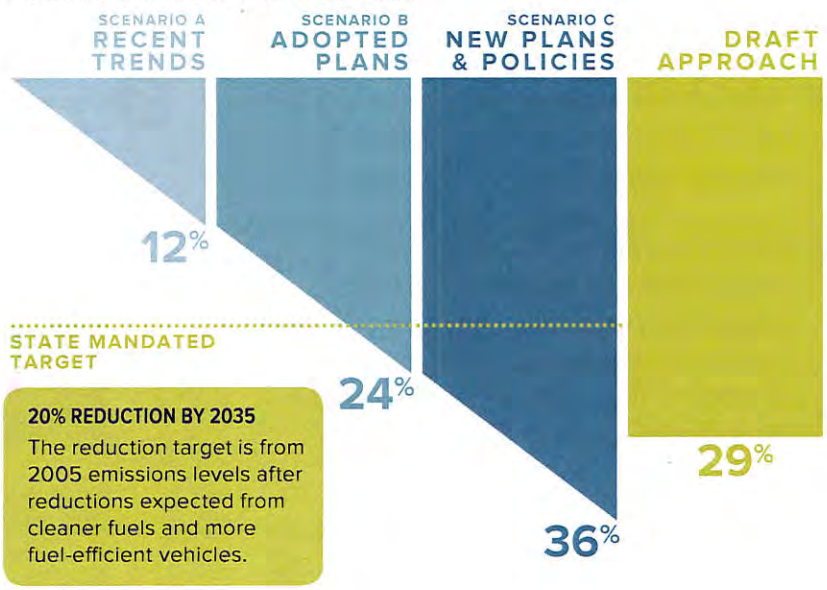
The region has identified a draft approach that does more than just meet the target. It supports many other local, regional and state goals, including clean air and water, transportation choices, healthy and equitable communities, and a strong regional economy.

WHAT KEY POLICIES ARE INCLUDED IN THE DRAFT APPROACH?

- Implement adopted plans
- Make transit convenient, frequent, accessible and affordable
- Make biking and walking safe and convenient
- Make streets and highways safe, reliable and connected
- Use technology to actively manage the transportation system
- Provide information and incentives to expand the use of travel options
- Manage parking to make efficient use of land and parking spaces

Reduced greenhouse gas emissions

PERCENT BELOW 2005 LEVELS



20% REDUCTION BY 2035
The reduction target is from 2005 emissions levels after reductions expected from cleaner fuels and more fuel-efficient vehicles.

After a four-year collaborative process informed by research, analysis, community engagement and deliberation, the region has identified a draft approach that achieves a 29 percent reduction in per capita greenhouse gas emissions and supports the plans and visions that have already been adopted by communities and the region.

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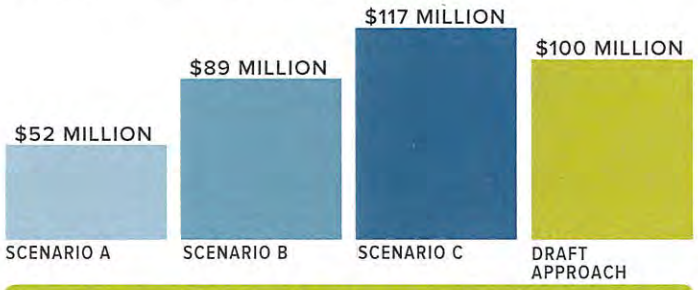
WHAT ARE THE PUBLIC HEALTH AND ECONOMIC BENEFITS?

By 2035, the draft approach can help people live healthier lives and save businesses and households money through benefits like:

- Reduced air pollution and increased physical activity can help **reduce illness and save lives**.
- Reducing the number of miles driven results in **fewer traffic fatalities and severe injuries**.
- Less air pollution and run-off of vehicle fluids means **fewer environmental costs**. This helps save money that can be spent on other priorities.
- Spending less time in traffic and reduced delay on the system **saves businesses money, supports job creation**, and promotes the efficient movement of goods and a strong regional economy.
- **Households save money** by driving more fuel-efficient vehicles fewer miles and walking, biking and using transit more.
- Reducing the share of household expenditures for vehicle travel **helps household budgets** and allows people to spend money on other priorities; this is particularly important for households of modest means.

Our economy benefits from improved public health

ANNUAL HEALTHCARE COST SAVINGS FROM REDUCED ILLNESS (MILLIONS, 2010$)



In 2010, our region spent $5-6 billion on healthcare costs related to illness alone. By 2035, the region can save $100 million per year from implementing the draft approach.

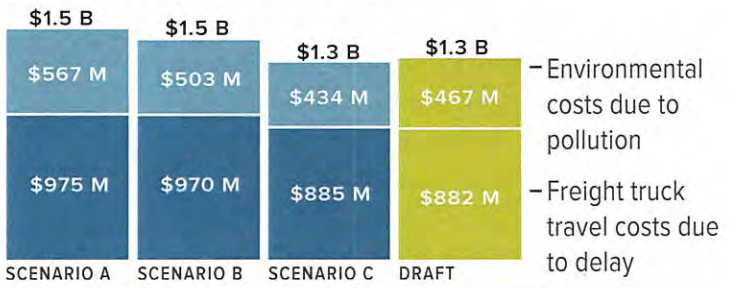
More physical activity and less air pollution provide most health benefits

LIVES SAVED EACH YEAR BY 2035

By 2035, the region can save more than $1 billion per year from the lives saved each year by implementing the draft approach.

Our economy benefits from reduced emissions and delay

ANNUAL ENVIRONMENTAL AND FREIGHT TRUCK TRAVEL COSTS IN 2035 (MILLIONS, 2005$)



Cumulative savings calculated on an annual basis. The region can expect to save $2.5 billion by 2035, compared to A, by implementing the draft approach.

Overall vehicle-related travel costs decrease due to lower ownership costs

AVERAGE ANNUAL HOUSEHOLD VEHICLE OWNERSHIP & OPERATING COSTS IN 2005$

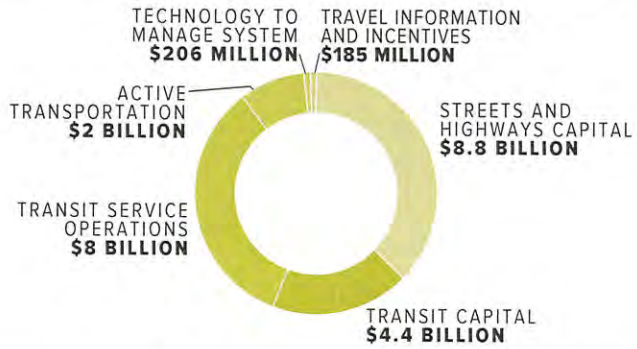
WHAT IS THE RETURN ON INVESTMENT?

Local and regional plans and visions are supported. The draft approach reflects local and regional investment priorities adopted in the 2014 Regional Transportation Plan (RTP) to address current and future transportation needs in the region. At $24 billion over 25 years, the overall cost of the draft approach is less than the full 2014 RTP ($29 billion), but about $5 billion more than the financially constrained 2014 RTP ($19 billion).*

More transportation options are available. As shown in the chart to the right, investment levels assumed in the draft approach are similar to those in the adopted financially constrained RTP, with the exception of increased investment in transit capital and operations region-wide. Analysis shows the high potential of these investments to reduce greenhouse gas emissions while improving access to jobs and services and supporting other community goals.

Households and businesses experience multiple benefits. The cost to implement the draft approach is estimated to be $945 million per year, plus an estimated $480 million per year needed to maintain and operate our road system. While this is about $630 million more than we currently spend as a region, analysis shows multiple benefits and a significant return on investment. In the long run, the draft approach can help people live healthier lives and save households and businesses money.

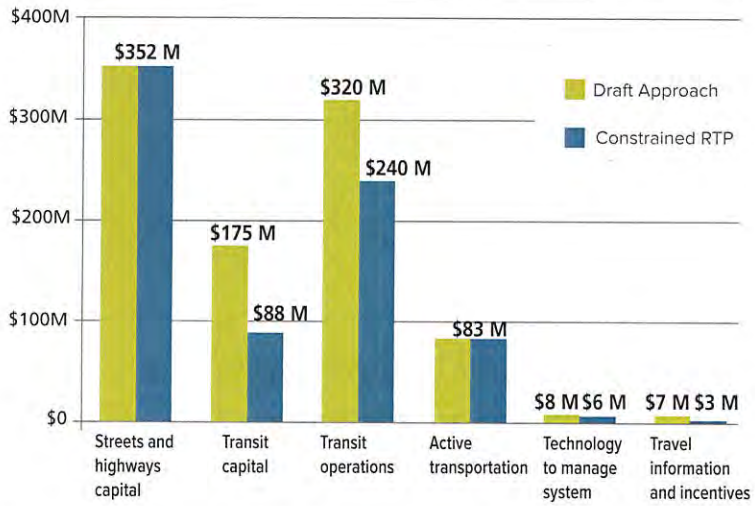
How much would we need to invest by 2035?



Investment costs are in 2014$. The total cost does not include road-related operations, maintenance and preservation (OMP) costs. Preliminary estimates for local and state road-related OMP needs are $12 billion through 2035.

Estimated costs of draft approach and 2014 RTP (billions, 2014$)

Annual cost of implementation through 2035 (millions, 2014$)



* The financially constrained 2014 RTP refers to the priority investments that can be funded with existing and anticipated new revenues identified by federal, state and local governments. The full 2014 RTP refers to all of the investments that have been identified to meet current and future regional transportation needs in the region. It assumes additional funding beyond currently anticipated revenues.

HOW DO WE MOVE FORWARD?

We're stronger together. Local, regional, state and federal partnerships and legislative support are needed to secure adequate funding for transportation investments and address other barriers to implementation.

Building on existing local, regional and statewide activities and priorities, the project partners have developed a draft toolbox of actions with meaningful steps that can be taken in the next five years. This is a menu of actions that can be locally tailored to best support local, regional and state plans and visions. Reaching the state target can best be achieved by engaging community and business leaders as part of ongoing local and regional planning and implementation efforts.

WHAT CAN LOCAL, REGIONAL AND STATE PARTNERS DO?

Everyone has a role. Local, regional and state partners are encouraged to review the draft toolbox to identify actions they have already taken and prioritize any new actions they are willing to consider or commit to as we move into 2015.

WHAT'S NEXT?

The Metro Policy Advisory Committee and the Joint Policy Advisory Committee on Transportation are working to finalize their recommendation to the Metro Council on the draft approach and draft implementation recommendations.

September 2014 Staff reports results of the analysis and draft implementation recommendations to the Metro Council and regional advisory committees

Sept. 15 to Oct. 30 Public comment period on draft approach and draft implementation recommendations

Nov. 7 MPAC and JPACT meet to discuss public comments and shape recommendation to the Metro Council

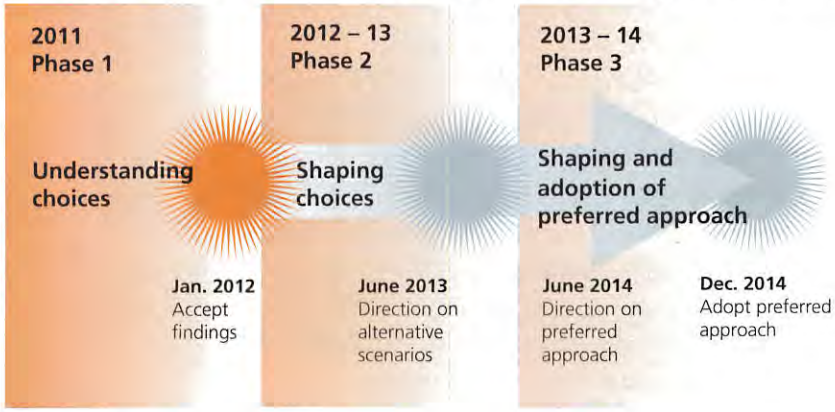
December 2014 MPAC and JPACT make recommendation to Metro Council

December 2014 Metro Council considers adoption of preferred approach

January 2015 Metro submits adopted approach to Land Conservation and Development Commission for approval

2015 and beyond Ongoing implementation and monitoring

Climate Smart Communities Scenarios Project timeline



WHERE CAN I FIND MORE INFORMATION?

The draft toolbox and other publications and reports can be found at **oregonmetro.gov/climatescenarios.**

For email updates, send a message to **climatescenarios@oregonmetro.gov.**

Metro

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