



Central Lane Scenario Planning



Scenario Planning Update

Spring 2014



What is scenario planning?

- Scenario planning involves considering alternative, plausible futures.
- In Lane County, we are doing this to determine:
 - If current policies achieve desired goals
 - Alternative policies or strategies that could be considered to achieve desired goals
 - Likely outcomes of policy changes

Why are we doing scenario planning?

- Required by House Bill 2001 (2009)
 - The Central Lane MPO must develop scenarios that show a reduction in greenhouse gas emissions
 - Eugene, Springfield, Coburg and Lane County must cooperatively select a preferred scenario
- Implementation is not required
 - Jurisdictions are not required to amend local plans based on the preferred scenario
 - Preferred scenario will include a “menu” of strategies consistent with the preferred scenario that jurisdiction could choose to implement

Scenario planning goals

Develop scenarios that:

- Reduce greenhouse gas emissions
- Consider economic development and vitality
- Consider public health
- Consider equity
- Can be tailored to each individual jurisdiction



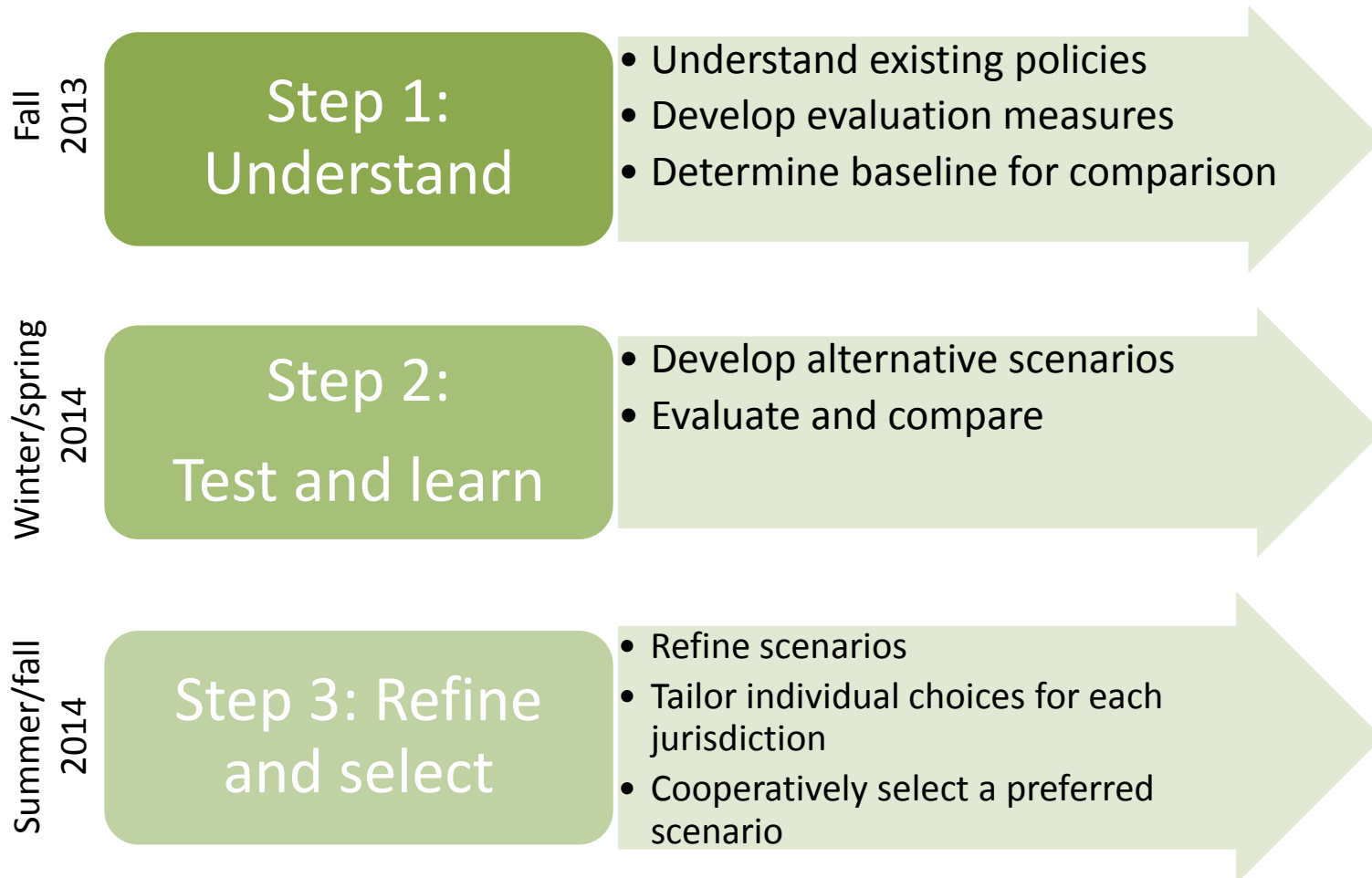
Greenhouse gas reduction targets

- State goal is 75% reduction below 1990 levels by 2050.
- State identified targets for each metro area.
- Region is **not required** to meet target but must consider it.
- Local goal is 10% reduction below 1990 levels by 2020 (Climate & Energy Action Plan)

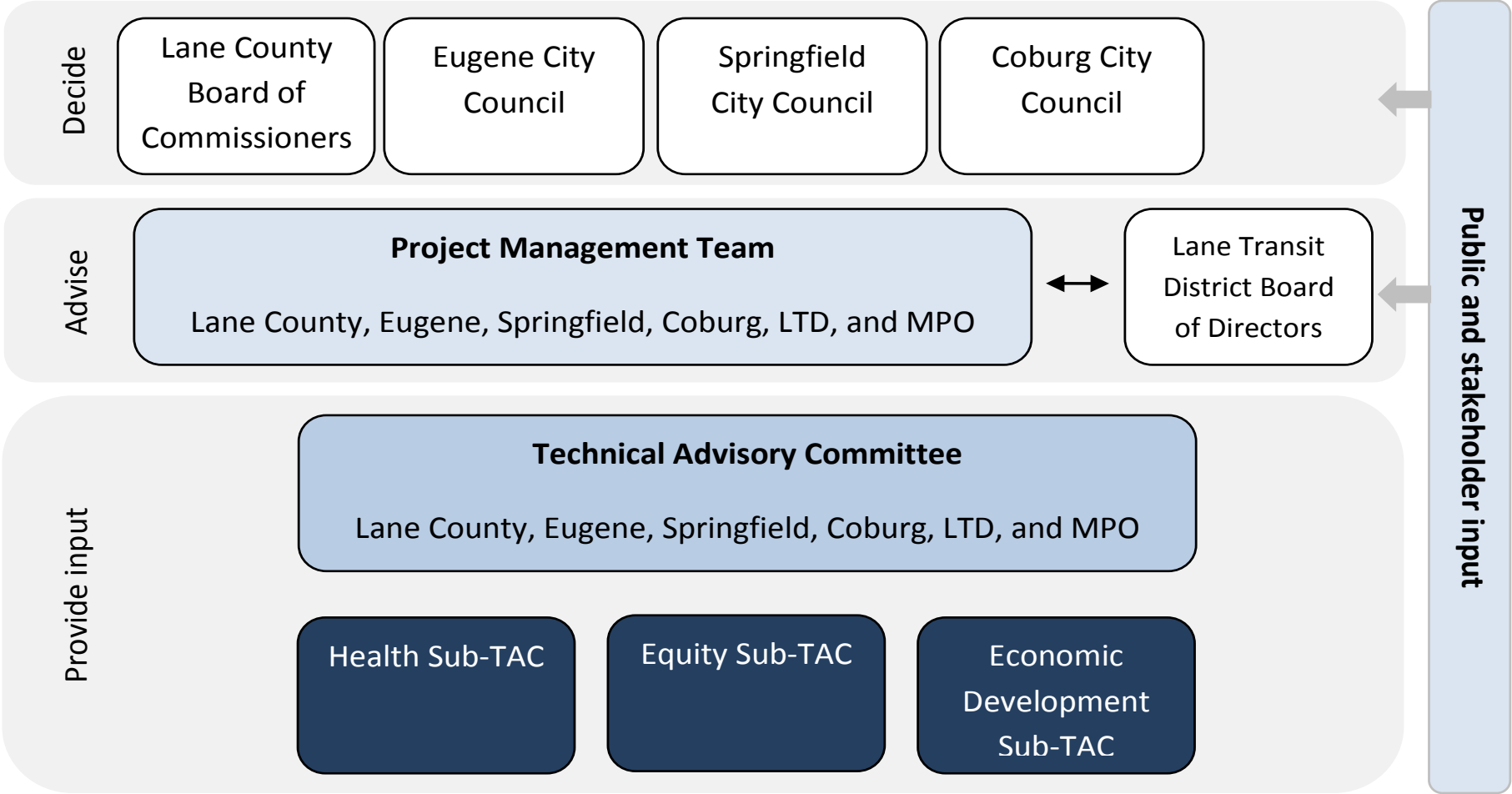
Per Capita GHG reduction over 2005 levels (light vehicles)

Metropolitan area	Adopted 2035 target
Portland Metro	20%
Salem-Keizer	17%
Corvallis	21%
Eugene-Springfield	20%
Bend	18%
Rogue Valley	19%

What is the timeline?



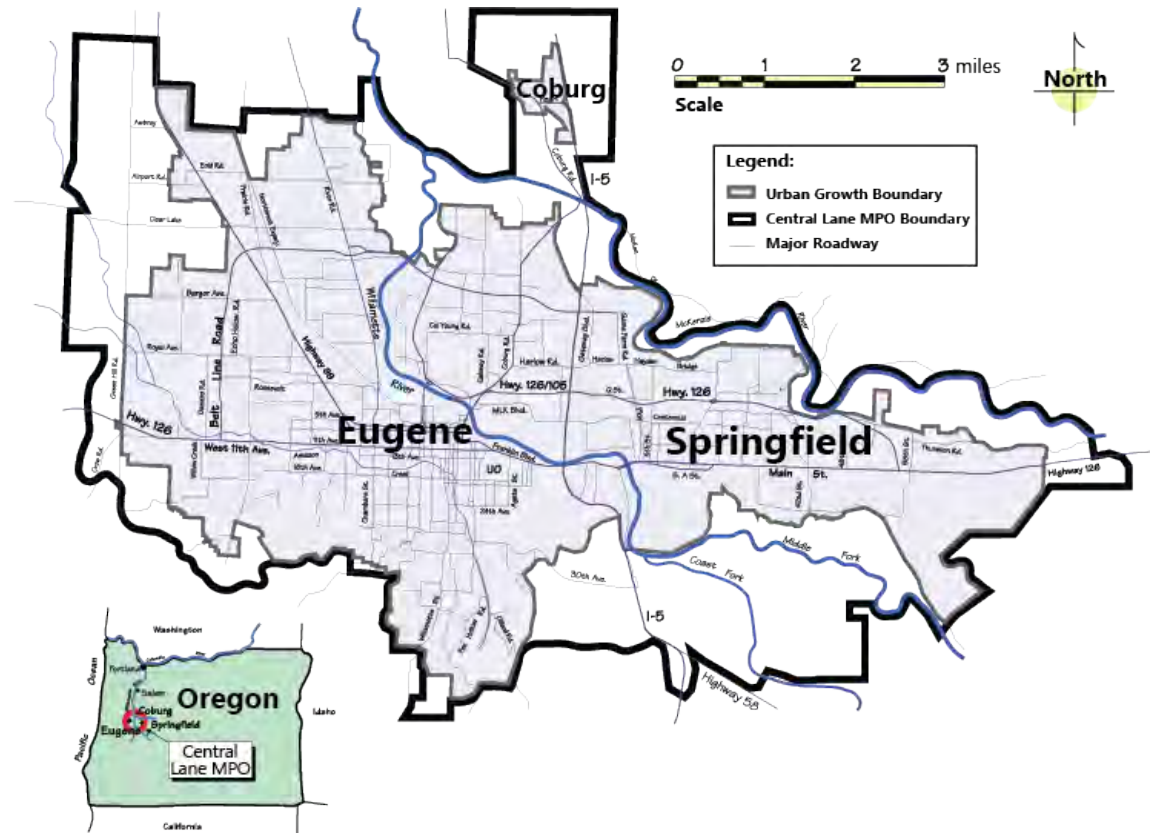
Cooperative selection process



Understand existing policies

What does 2035 look like?

- Current/emerging plans are implemented
 - Envision Eugene
 - Springfield 2030
 - Coburg's comprehensive plan
- More than 64,000 new people in the region



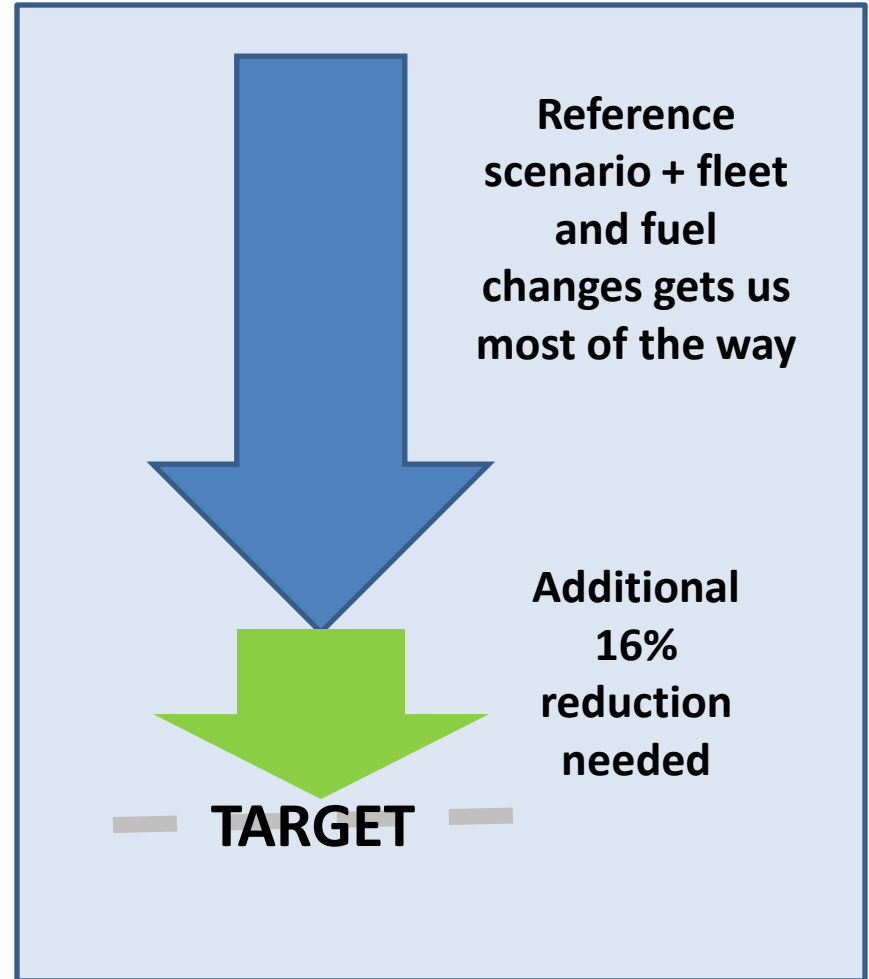
What does 2035 look like?

- Taxes and fees related to driving are mostly the same
- Participation in marketing and education programs (e.g. Smart Trips) is mostly the same
- West Eugene EmX and 4 additional lines are open; transit service has grown more quickly than population
- More miles are traveled by bike than today
- Average fuel economy for cars and trucks has increased
- More people drive plug-in hybrids and electric vehicles

What happens to greenhouse gas emissions if current policy is implemented?

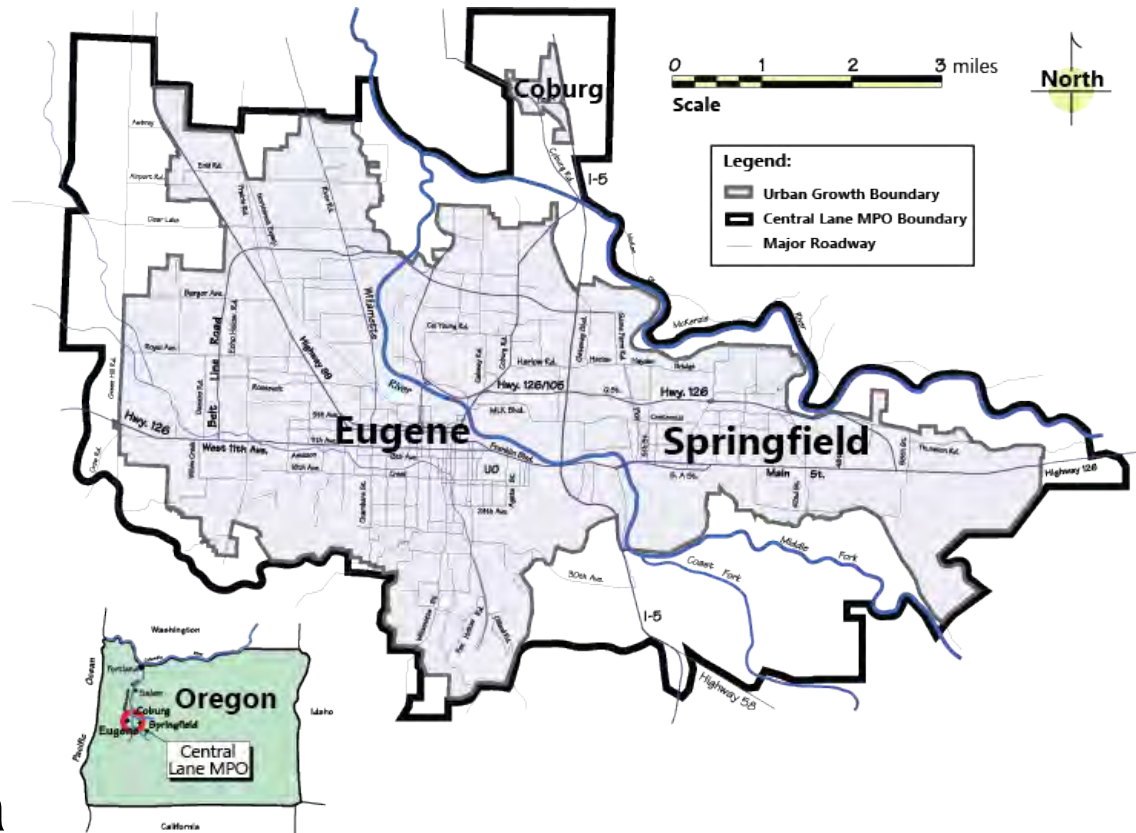
Greenhouse gas emissions

- Changes in fleet and fuels are assumed to result in major emission reductions
- These reductions cannot be considered as part of the 20% reduction target



Greenhouse gas emissions

- Current local and regional policies result in a 3% reduction (compared to 2005)
- By 2035, if the region was not to make any investments in transit or cycling, we would expect a 3% increase in per capita GHG emissions.
















Outcomes of current local policy

- People drive slightly more than today but drive more efficient vehicles
- Congestion increases, but idling has a smaller impact on emissions due to changes in vehicle technology
- Vehicle operation costs decrease, but ownership and maintenance costs increase
- Biking increases significantly
- Air quality improves



Beyond today's policies

Policy Bundle	Levels 1	Level 2	Level 3
Community Design			
Pricing			
Marketing and Incentives			
Roads			
Fleet and Technology			



Difficulty of implementation

Economic development evaluation

- Driving costs as a percentage of household income
- Average household income by housing type
- Parking costs
- Value of time lost to congestion



Health evaluation

- Physical activity per capita
- Chronic illness incidence
- Cost savings due to reduced disease burden
- Change in fatal or injury accidents

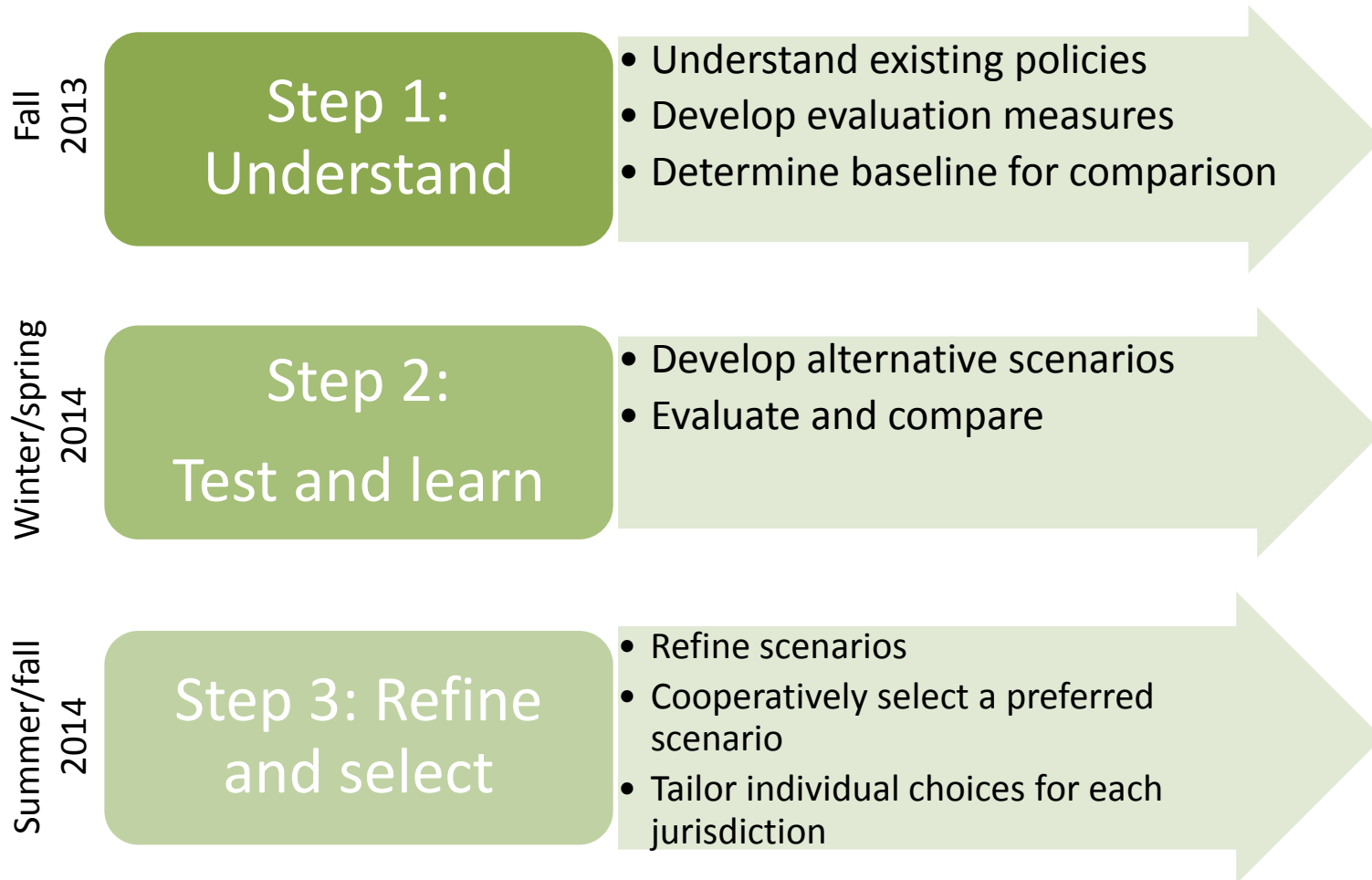
Equity evaluation

Evaluate the following across income groups:

- Driving costs as a percentage of household income
- Average household income by housing type
- Physical activity per capita

Next steps

Next step: Develop scenarios



Discussion



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