

3. Policy Details

Numbers

September 21, 2022

SSG

What is a scenario?

A scenario is:

- (1) A representation of a policy, (or)
- (2) A combination of policies

We call this an
“integrated scenario”



What is a scenario?

Policies

We can evaluate multiple scenarios for each policy, exploring timing, ambition, scope.

<i>Policy: Building Performance Standard</i>			
Scenario 1	Scenario 2	Scenario 3	Scenario 4
The energy intensity is reduced in new homes beginning in 2023 by 25% and by 50% by 2028 and by 100% by 2035.	The energy intensity of buildings declines by 20% every five years beginning in 2023.	Energy intensity of existing buildings reduced by 50% by 2040.	New construction is net zero beginning in 2030.

What is a scenario?

A scenario is a what if? question

What if we limited allowable total carbon of buildings?

What if we decarbonized institutional/public buildings?

What if we enacted residential or expanded commercial PACE financing?

We need details for each policy

Which buildings- new, existing or both

Which sector- residential, commercial,
industrial

By when- 2030, 2035, 2040?

How much- 20%, 50%, 75%

And is it about energy or emissions?

For example....

>**Question:** What if we retrofit 10% of the homes in Oregon every five years, resulting in average energy savings of 50%?

>**Answer:** The impact on energy, emissions, capital cost, employment, social cost of carbon, health and household energy costs is....

>**Question:** What if the retrofit rate is 5% instead of 10%? What if we scale up the retrofits as the industry evolves? How will this change the outcomes?

>>We will use a survey to add further details to the policies