



Applications and Impact Breakouts: Introduction

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Mobility and Environment Workshop
Arlington, Virginia

December 1, 2010

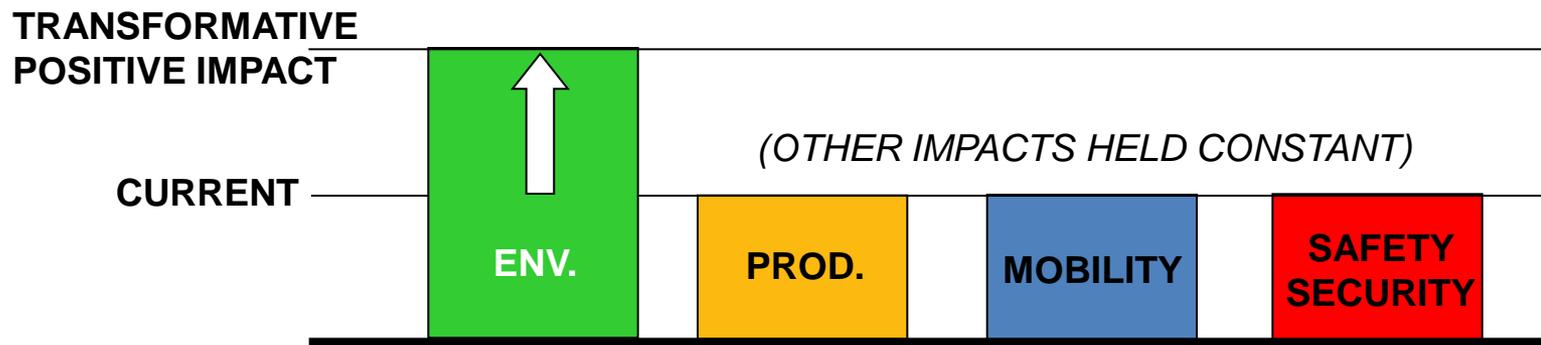


- Impact Area Definitions
- Breakout Exercises: Ground Rules and Background
- Role of Stakeholder Input
- Breakout Group Organization
- Questions

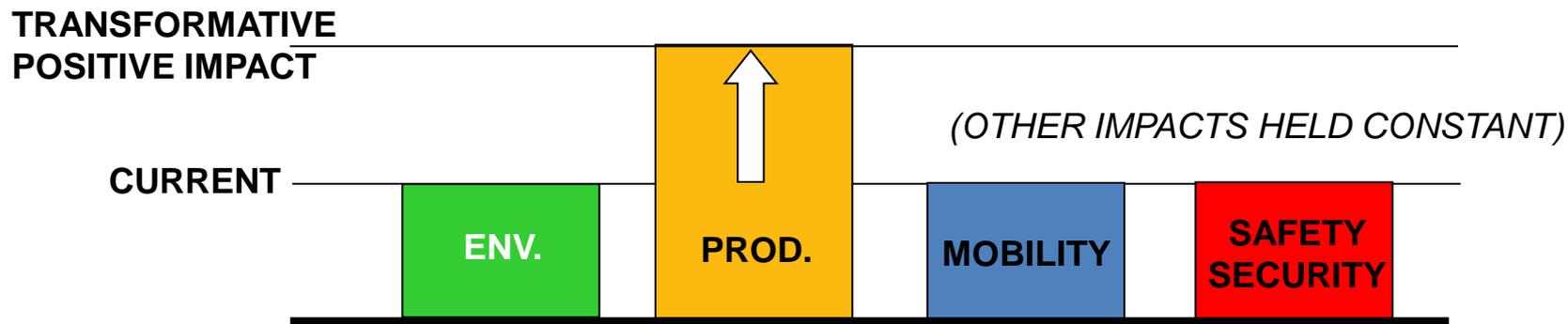
Impact Area Definitions



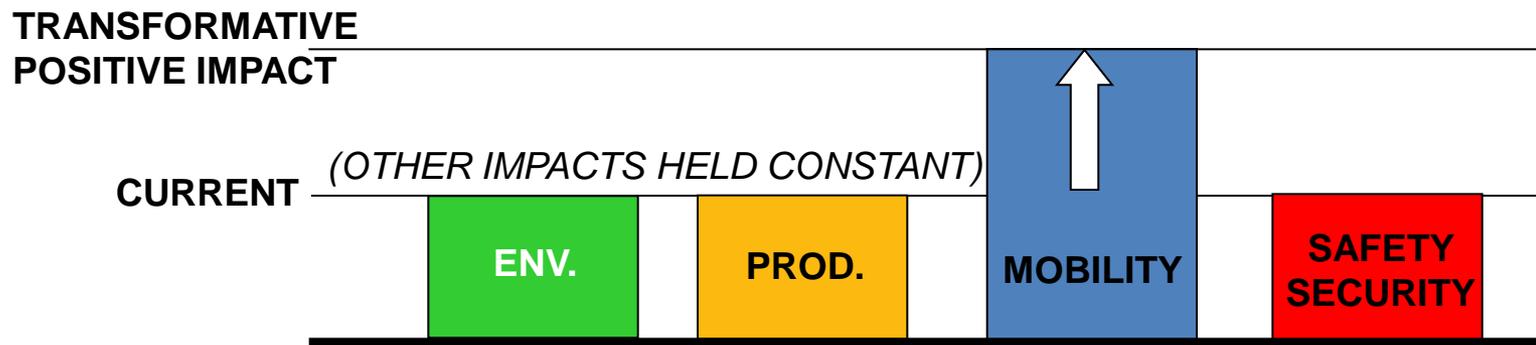
- One breakout group will identify promising applications to achieve goals related to transportation-related environmental impacts.
- For the purposes of this breakout, transformative environmental impacts have occurred when the transportation system has:
 - the capability to reliably deliver goods and passengers safely through the transportation system at current levels with ***transformative reductions in environmental impacts resulting from transportation-related emissions and fuel consumption.***



- One breakout group will identify promising applications to achieve goals related to overall system productivity
- For the purposes of this breakout, transformative productivity impacts have occurred when the transportation system has:
 - *a transformative capability to reliably deliver the largest aggregate net value of goods and passengers through the transportation system* within the current system footprint and without increased environmental impact, fuel use, or safety risk.

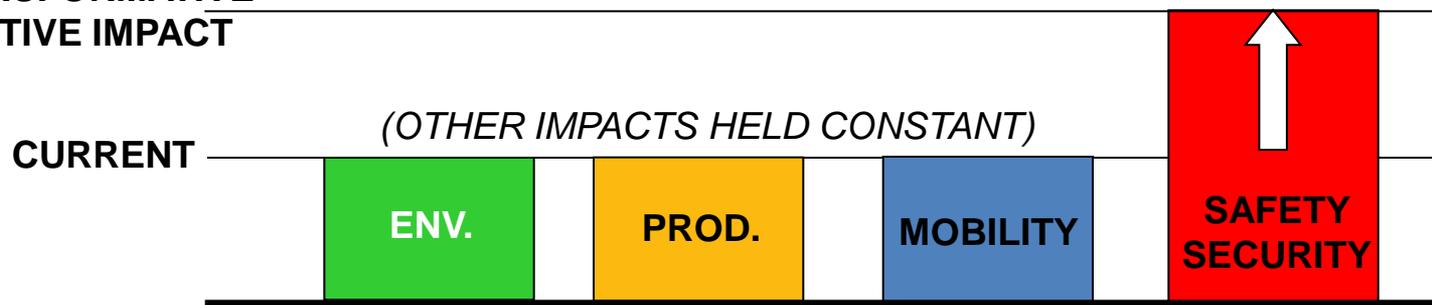


- One breakout group will identify promising applications to achieve goals related to enhancing individual mobility
- For the purposes of this breakout, transformative mobility impacts have occurred when the transportation system has:
 - *a transformative ability for travelers of all types to access the largest possible set of destinations reliably and predictably through the transportation system* without increased environmental impact or safety risk



- One breakout group will identify promising applications to achieve goals related to enhancing traveler and worker safety and security
- For the purposes of this breakout, transformative safety and security impacts have occurred when the transportation system has:
 - ***a transformative ability to reduce safety risks for travelers and pedestrians and enhance system security*** while maintaining current levels of traveler mobility, system productivity, and without increased environmental impact
- Active safety applications (low-latency V2V applications) are out of scope

TRANSFORMATIVE
POSITIVE IMPACT



Breakout Exercises: Ground Rules and Background



Today's Exercise (Part 1) Measuring Impact

- Feedback materials provided in the breakout rooms
 - Application scorecard
 - 3 poker chips (for voting)
- Facilitators preview overall exercise
- Facilitators lead group discussion on measuring transformative impact
 - Three example measures given
 - Participants may suggest others
 - Simple hand-count voting to determine up to three to be further explored
- Flip-chart exercise (group discussion)
 - Measure definition and current baseline (if known)
 - What change represents transformative impact?



Today's Exercise (Part 2) High Impact Apps

- As we did yesterday, consider up to 10 applications in each impact area
 - One slide per concept, brief clarifying discussion
 - Record High-Medium-Low rating on your scorecard for each of the measures
- 3-2-1 Poker chip voting for the applications most likely to have transformative impact (per your measures)
- Facilitated discussion about the application with the highest vote total
 - Identify key data, communications and research needs for this application
 - How close to transformative will this application get us?
- Repeat facilitated discussion for second highest ranked application (time permitting)
- Reconvene to consider results within each breakout
 - Discuss the implications of your group process
 - Identify a presenter from your group for the breakout report at 11 AM



- For today's exercise, these items can't be changed
 - Breakout group impact area definitions
 - No adding new application concepts
- Data environment assumptions from yesterday can be relaxed, however
 - Assumptions about what data is available can be tailored in this exercise
- Policy-related issues are NOT in play for discussion
 - Intellectual Property, Privacy, Access/Security, Meta-data, Quality, Aggregation, Standards, Financial/Business Models....
 - If these topics come up, we will park the discussion until this afternoon, when we have special session to deal with these in turn

Role of Stakeholder Input



Candidate Applications Prioritization Criteria

- Prioritization Criteria
 - Potential for transformative impact
 - Makes use of IntelliDrive data
 - **Significant stakeholder interest**
 - Your input from this workshop is one measure of stakeholder interest
 - We have conducted similar exercises with several stakeholder groups
 - Can evolve from near-term state to long-term state
 - Potential to be released as open source
 - Cross-modal impact
- The program cannot fund every idea
- Exercises as a part of this workshop inform the federal team understanding of each application, but **do not determine application priority**

Breakout Group Organization



- Today's Breakouts
 - Environmental (Breakout Room 332)
 - Productivity (Breakout Room 317)
 - Mobility (Breakout Room 330)
 - Safety and Security (Breakout Room 331)
- Applications considered in each breakout identified in your participant booklet
- Please attend only one breakout, as exercises will be conducted in parallel
- Breakouts will begin as quickly as possible
 - Please move directly to your selected breakout group



Questions?

