

Transportation Safety Action Plan Update

presented to
Policy Advisory Committee
Meeting #11

presented by
Cambridge Systematics, Inc.
JLA Public Involvement
Leidos

April 11, 2016

Agenda-Objectives

- **Welcome and Opening Remarks**
- **Project Update**
- **Chapter 6: Actions**
- **Lunch Discussion**
- **Chapters 1 & 2: Call to Action and Introduction**
- **Chapter 7: Performance Measures/Targets**
- **Chapter 4: The Case for Safety**
- **Chapters 3, 5 and 8**
- **Public Comment**
- **Next Steps**



Project Update

Meetings

PAC#	Tentative Meeting Topics
1 - October 2014	Kick-off and Background
2 - January 2015	Meet the team, SHSP and MAP-21 Background, Values Exercise
3 - March 2015	SWOT, Vision Themes, Discuss Product (Broad, overarching goals and policies and implementation plan)
4 - May 2015	Crash Trends and Continue Vision Discussion
5 - June 2015	Continue Crash Trends, Discuss Goals and Emphasis Areas Frameworks
6 - August 2015	Confirm Goal Areas, Draft Goal Statements and Preliminary Policy Topics
7 - October 2015	Confirm Goal Statements, Draft Policy Statements and Strategies, Emphasis Area Selection Criteria
8 - November 2015	Review Draft Policy Statements, Draft Strategy Statements, Discuss/narrow Potential EAs, Review Upcoming Public Outreach, TSAP Outline
9 – February 2016	Review Outcomes from PCT, Review Outcomes from Public Outreach, Confirm Draft EAs, Begin Discussing Draft Actions per EA, Begin Reviewing Draft Document – Background, Vision and Goals, Policies and Strategies
10 - March 2016	Finalize EAs and Discuss SHSP Strategies and Actions, Continue Document Review - Revised February Materials Plus EA Documentation
11 - April 2016	Confirm SHSP Strategies and Actions, Discuss Performance Measures, Review Complete Draft Document
12 – May 2016	Complete Draft Review

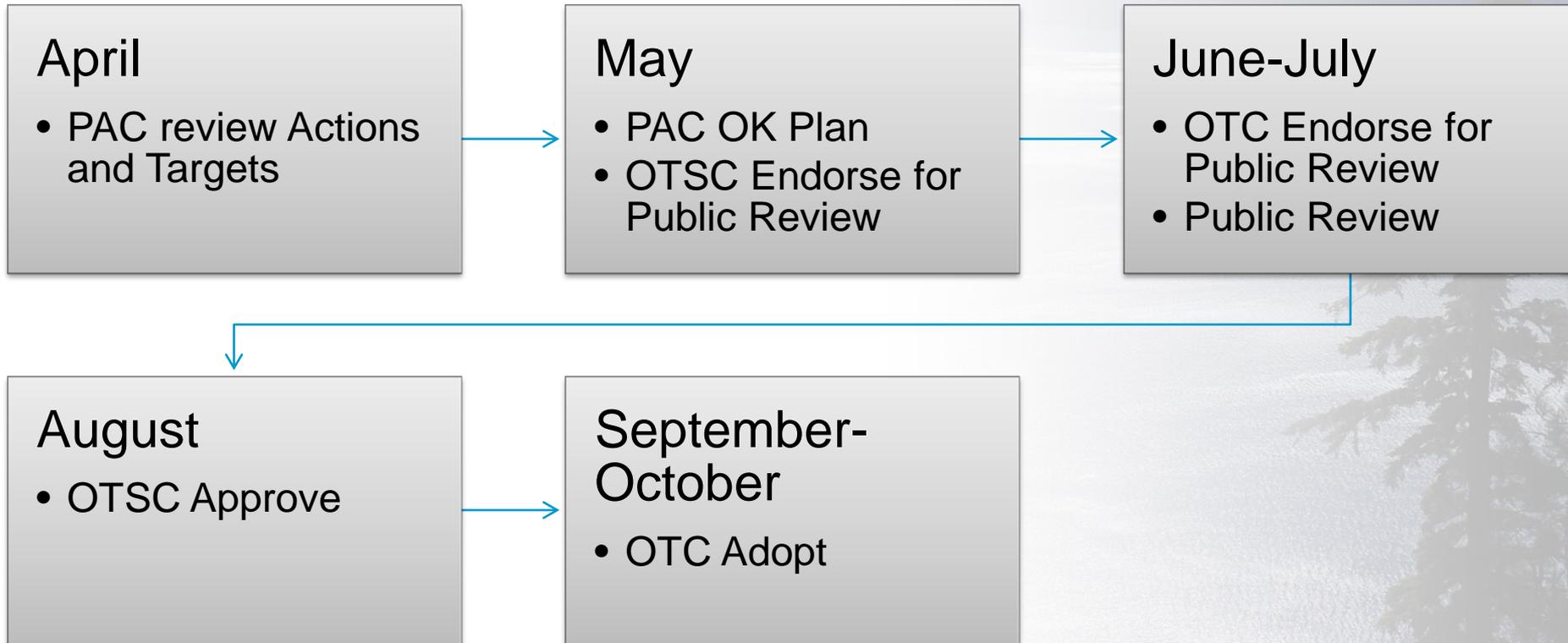


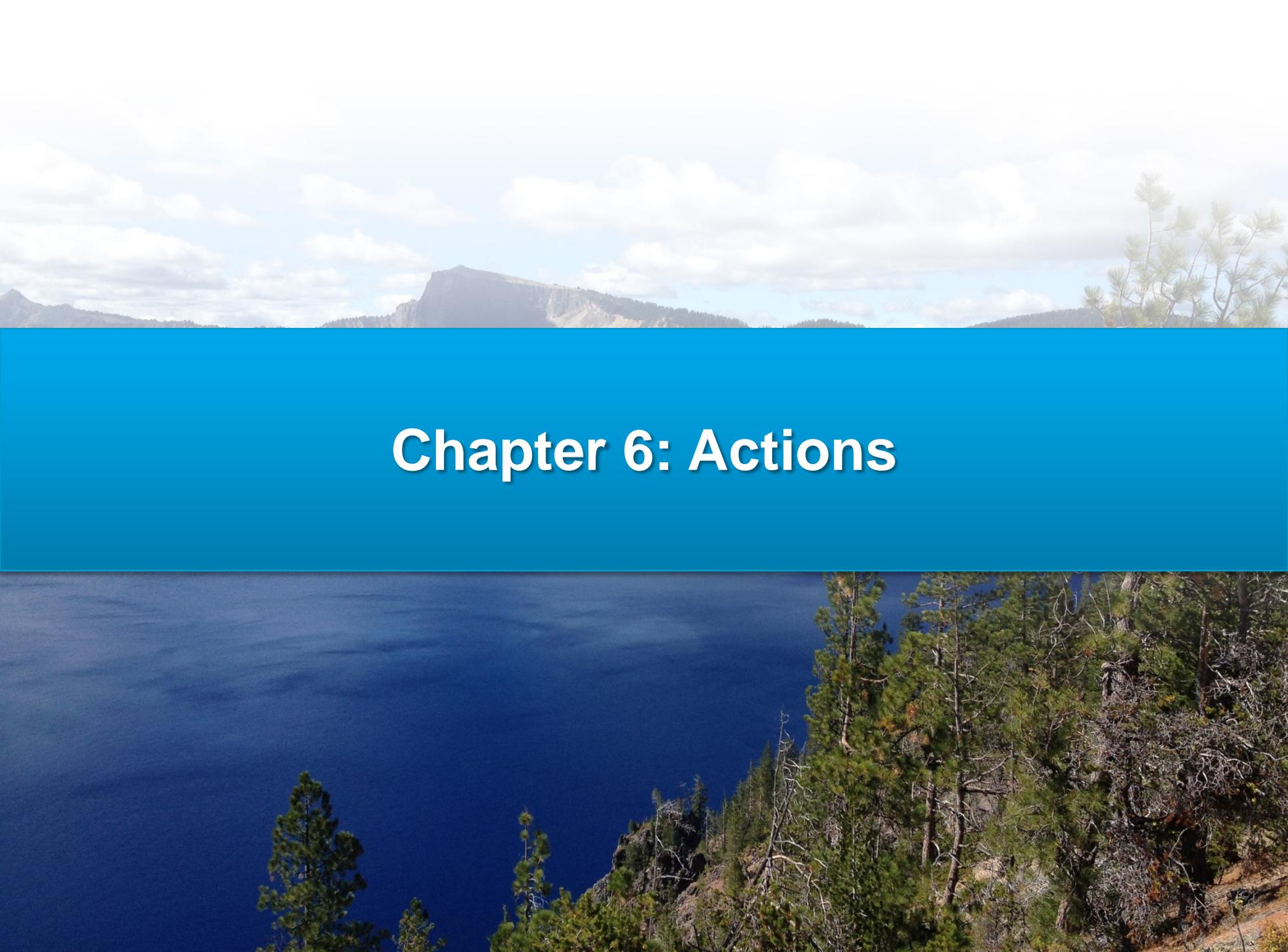
Outline of TSAP Update

Executive Summary

1. Call to Action
 2. Introduction
 3. Traffic Safety in Oregon
 4. Safety Challenges and Opportunities
 5. Vision, Goals, Policies and Strategies
 6. Emphasis Areas and Actions
 7. Performance Measures
 8. Implementation and Evaluation
- Appendices

Upcoming Activities





Chapter 6: Actions

Emphasis Areas

- **Infrastructure**

- » Roadway Departure
- » Intersections

- **Risky Behaviors**

- » Impaired Driving
- » Occupant Protection
- » Speeding
- » Distracted Driving

- **Vulnerable Users**

- » Pedestrians
- » Motorcyclists
- » Bicyclists
- » Older Road Users

- **Improved Systems**

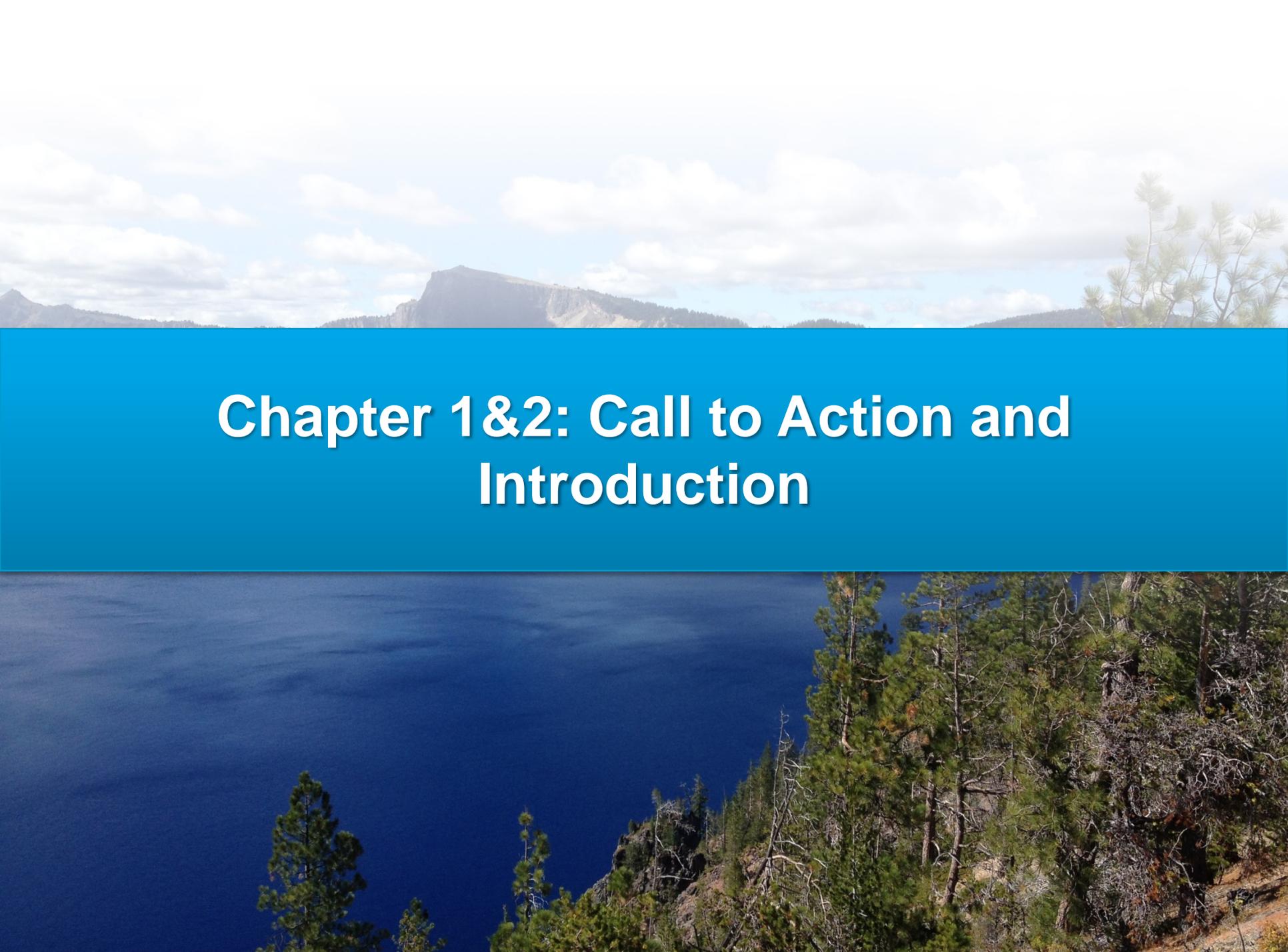
- » Commercial Vehicles
- » EMS
- » Data
- » Training
- » Enforcement



Lunch and Reflection and Accomplishments Discussion

Lunch Discussion

- **What are the major accomplishments of the plan?**
- **What do you hope will be different as a result of the plan?**
- **How should we use this plan?**



Chapter 1&2: Call to Action and Introduction

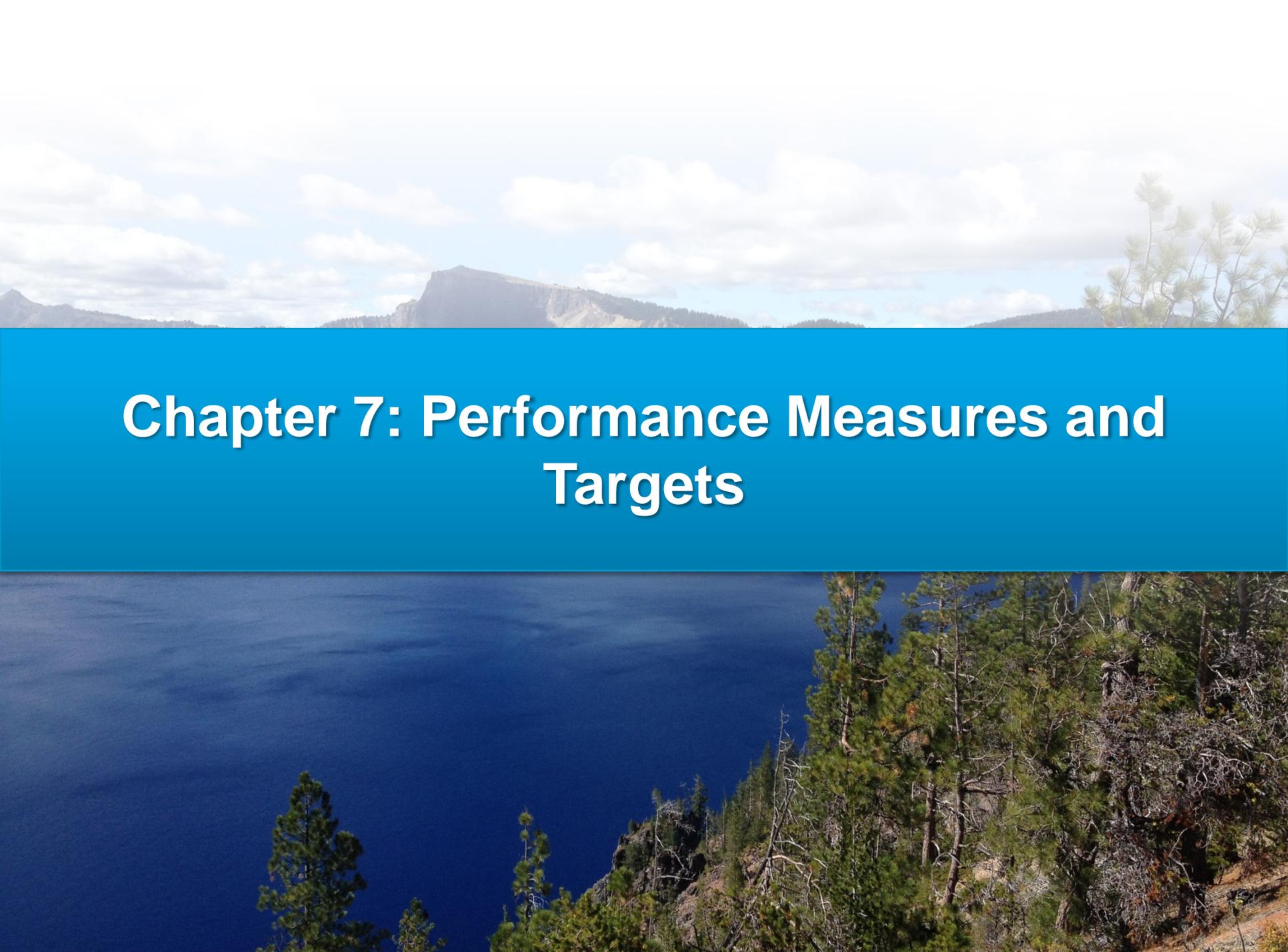
Chapter 1: Call to Action

- **It takes partners**
 - » **All stakeholders**
 - » **All professionals**

- **It takes commitment**
 - » **Implement the plan**
 - » **Communicate and collaborate**
 - » **Champion the cause**
 - » **Institutionalize a change in safety culture**

Chapter 2: Introduction

- **What is the TSAP?**
- **Brief History**
- **Process for developing the TSAP**
- **Using the TSAP**
 - » **Role and Responsibilities**
 - » **Linkage of the TSAP to other Plans**
- **State and Federal Requirements**



Chapter 7: Performance Measures and Targets

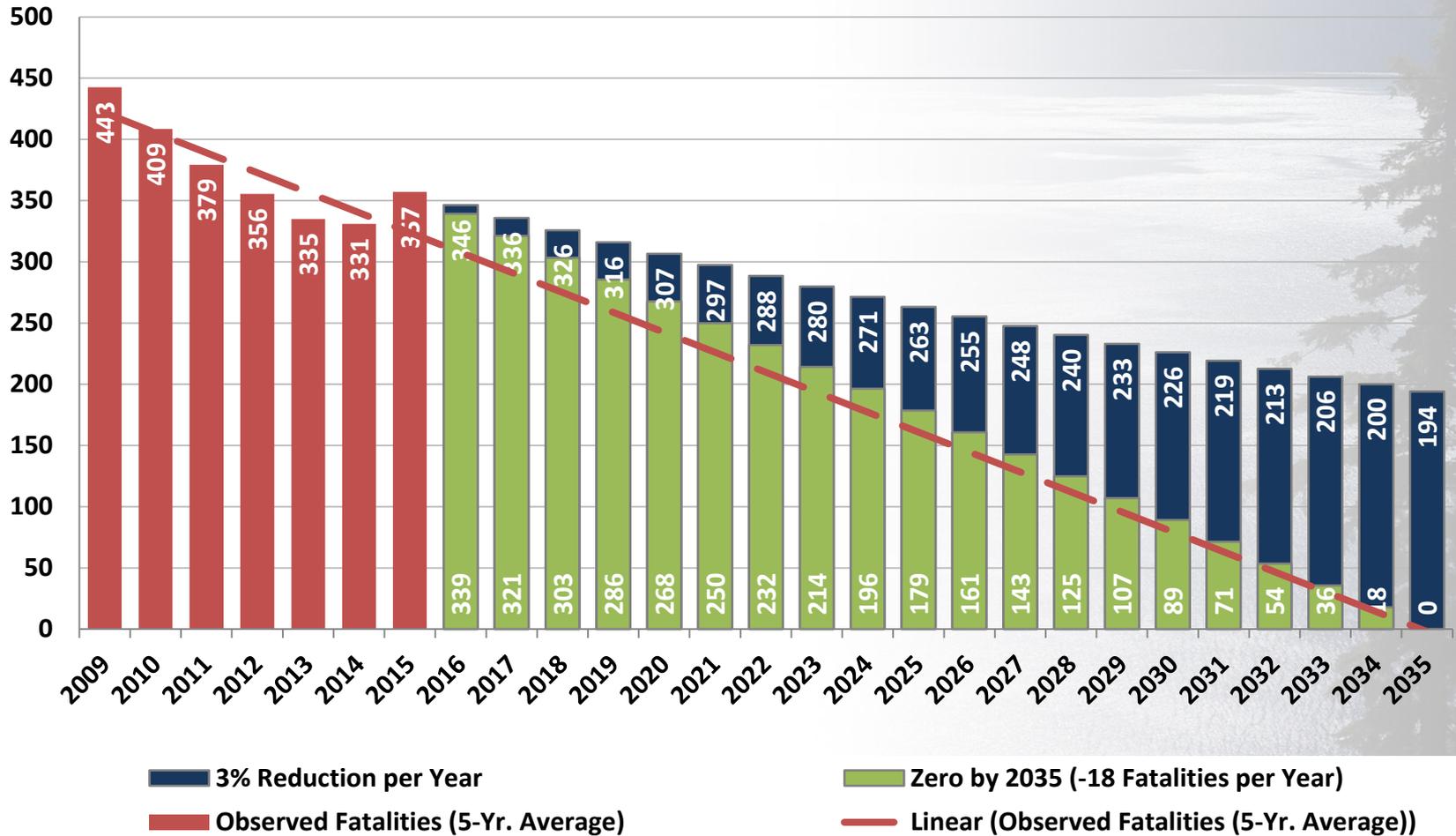
FHWA and NHTSA Performance Measures

1. Number of roadway fatalities
2. Number of roadway serious injuries
3. Roadway fatalities per vehicle miles traveled (VMT)
4. Roadway serious injuries per VMT
5. Combined non-motorized fatalities + non-motorized serious injuries
6. Rural road fatalities per VMT
7. Urban road fatalities per VMT
8. Unrestrained Passenger Vehicle Occupant Fatalities, All Seat Positions
9. Alcohol Impaired Driving Fatalities Involving a Driver or Motorcycle Operator with a BAC of .08 and Above
10. Speed-related Fatalities
11. Motorcyclist Fatalities
12. Unhelmeted Motorcyclist Fatalities
13. Drivers Age 20 or Younger in Fatal Crashes
14. Pedestrian Fatalities
15. Bicycle Fatalities
16. Statewide Observed Seat Belt Use, Passenger Vehicles, Front Seat Outboard Occupants

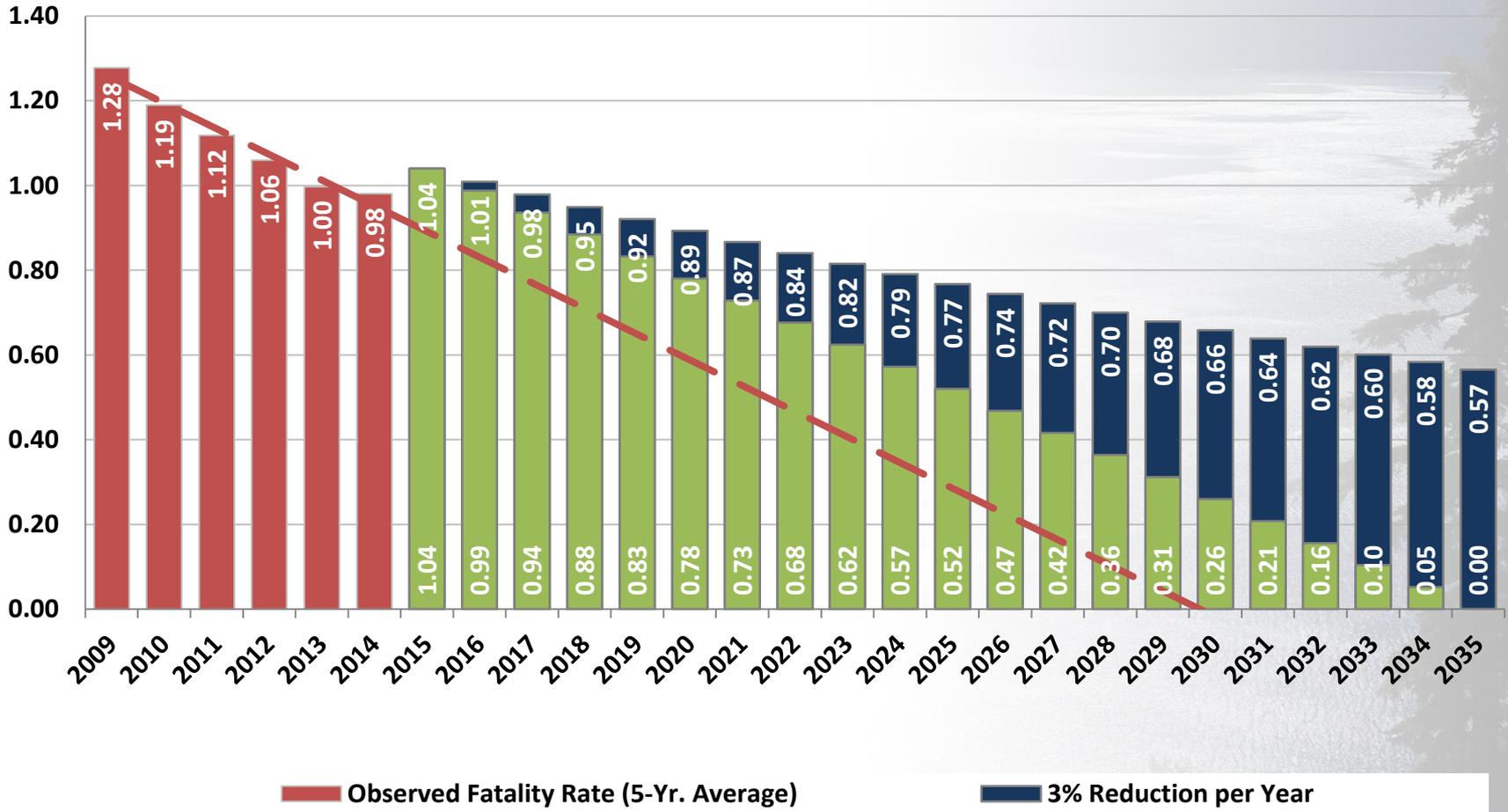
Target Requirements

- **Annual targets reported every August starting in 2017**
- **Demonstrate progress**
 - » Four of five targets are met, or
 - » Performance is better than last year
- **If no progress**
 - » Spend all HSIP funds on highway safety improvement projects
 - » Submit HSIP Implementation Plan
- **MPO's will have to establish targets too**

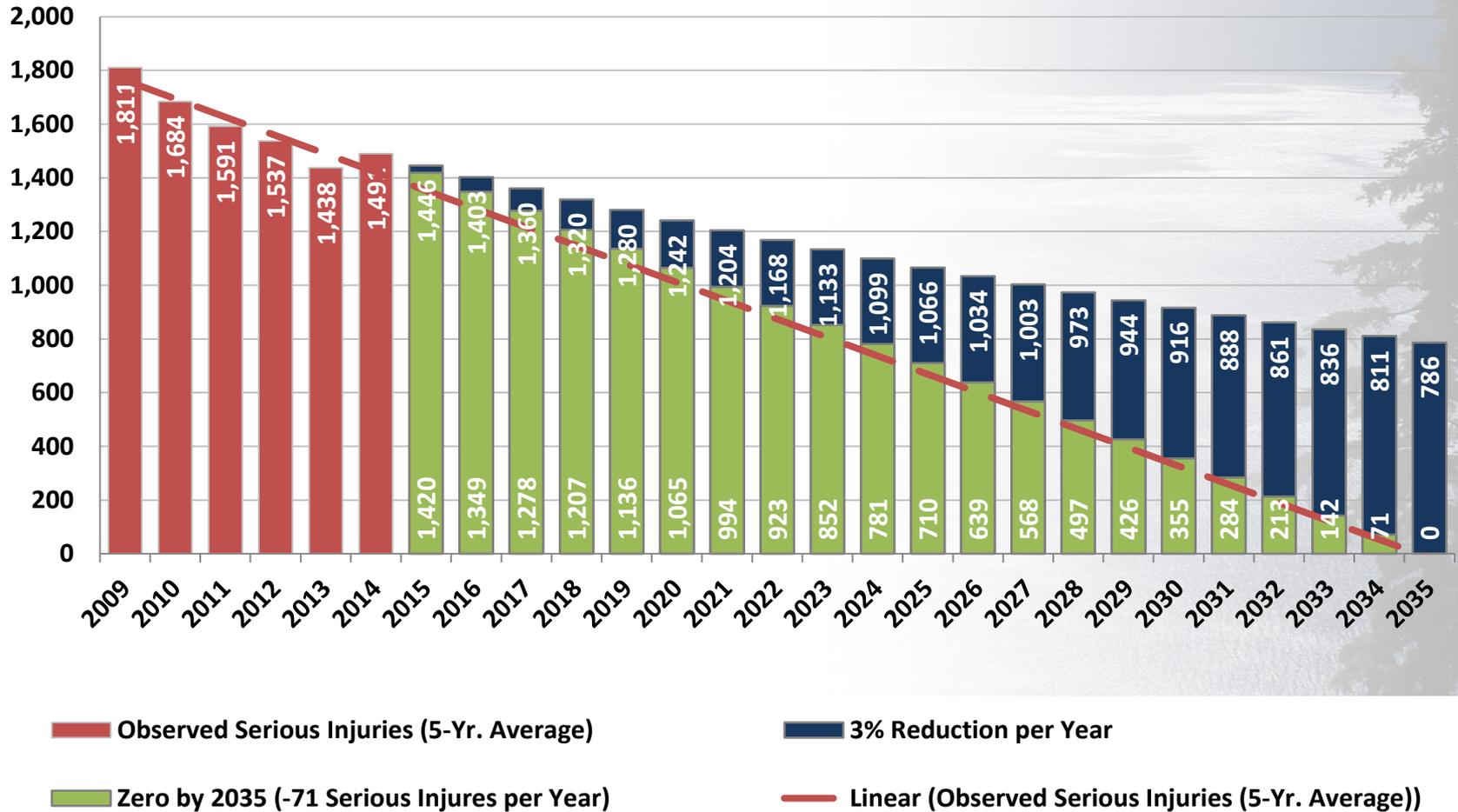
Target Discussion - Fatalities



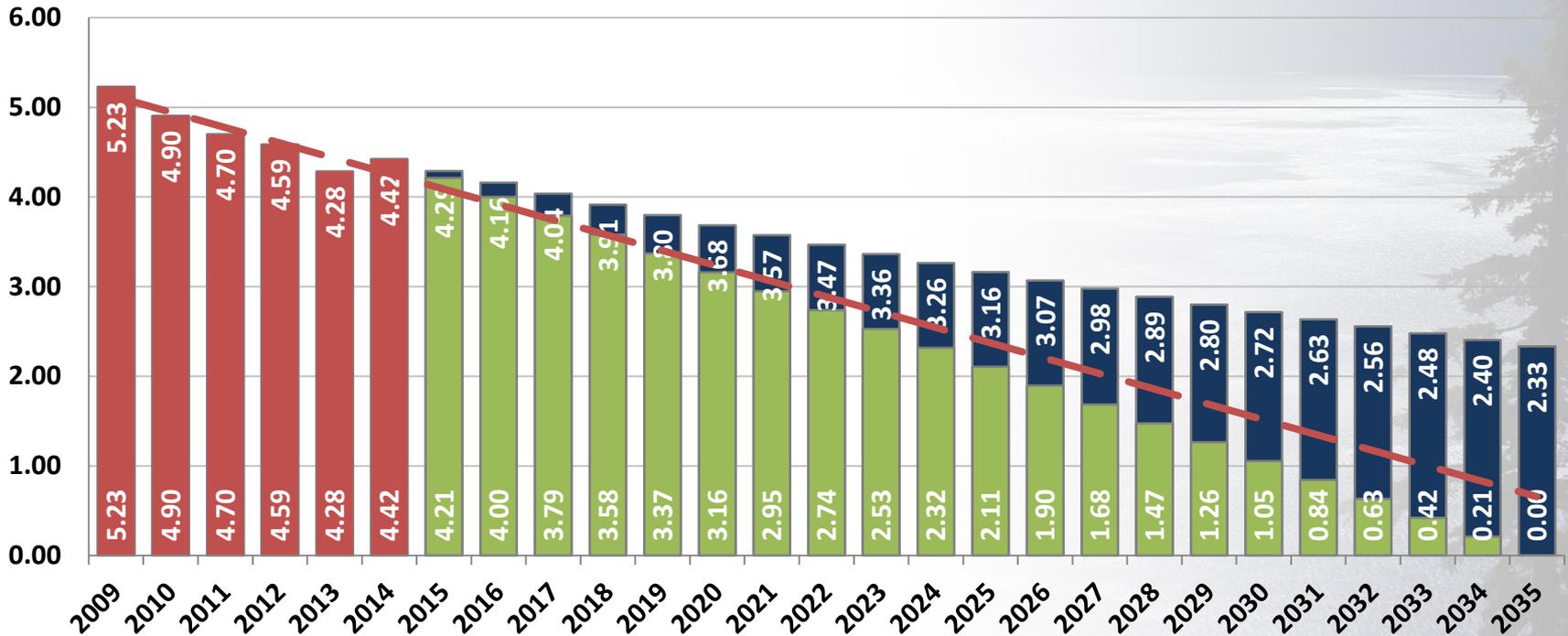
Target Discussion – Fatality Rates



Target Discussion – Serious Injuries



Target Discussion – Serious Injury Rates



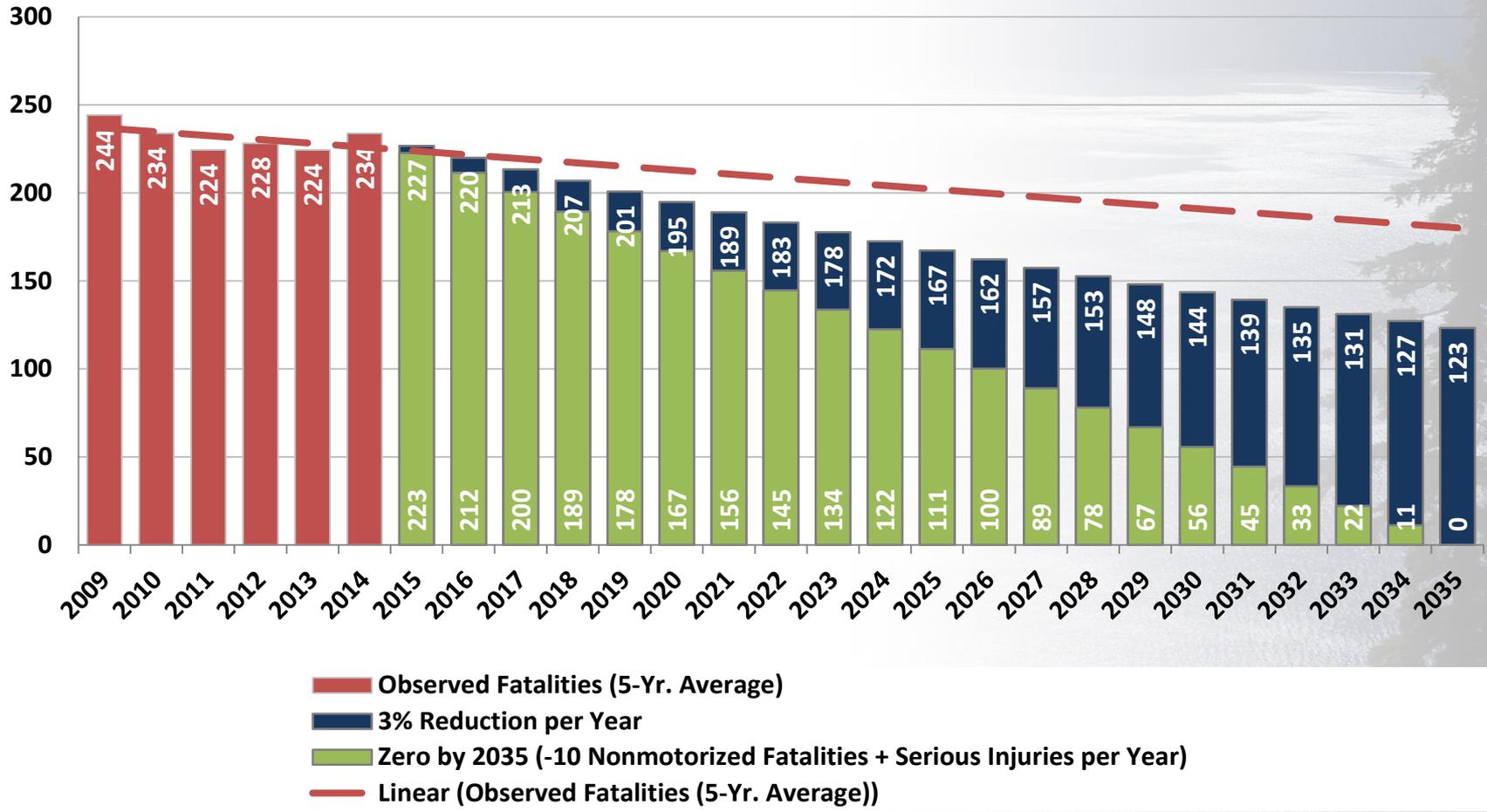
■ 3% Reduction per Year

■ Zero by 2035 (-.052 fatalities per 100M VMT per Year)

■ Observed Serious Injury Rate (5-Yr. Average)

— Linear (Observed Serious Injury Rate (5-Yr. Average))

Target Discussion – Nonmotorized Fatalities & Serious Injuries



Target Discussion

- **What do the targets mean to your stakeholders?**
- **What are important messages about the targets?**
- **How should we set the target?**
- **Should the targets be more/less aggressive in the near future?**



Chapter 4: Safety Costs, Challenges and Opportunities

Chapter 4: Safety Costs

● The Human Impact of Crashes

- » Loss of life
- » Crashes are not inevitable – change culture
- » Personal responsibility

● Economic Costs



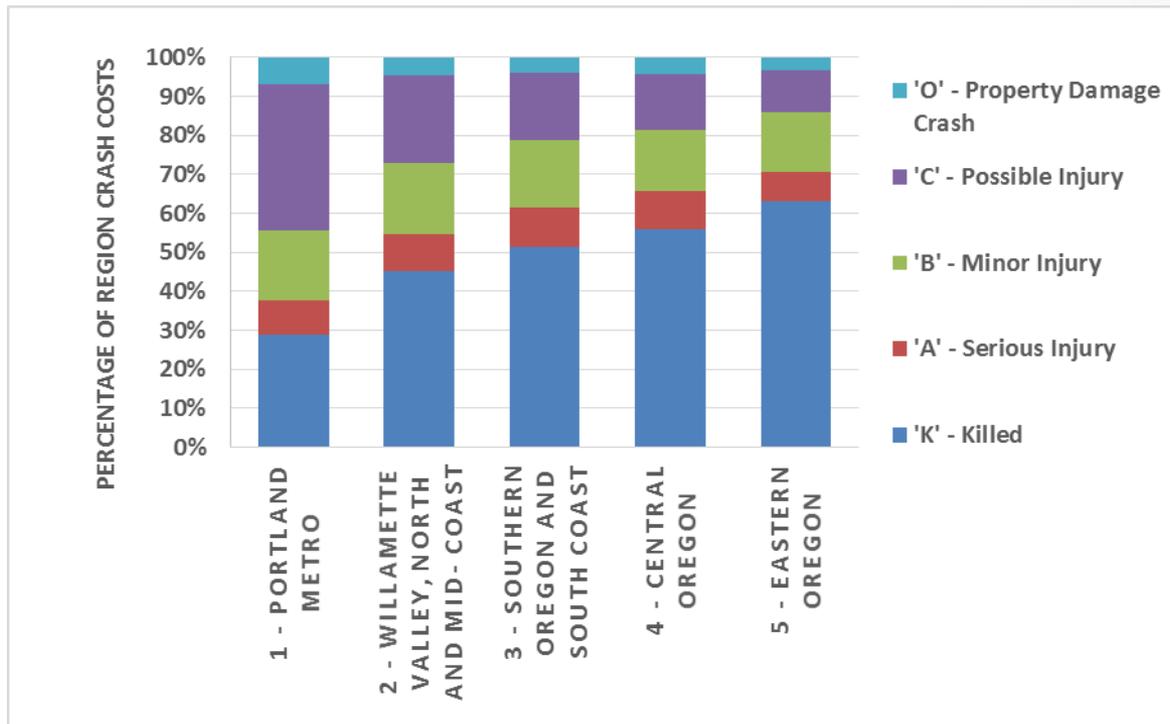
Chapter 4: Challenges

● Public Health Challenge

- » Injuries third leading cause of death in Oregon
- » Motor vehicle crashes fourth in injury category

● Equity Challenge

19% of Oregon Population in rural areas, 67% of fatalities in rural areas

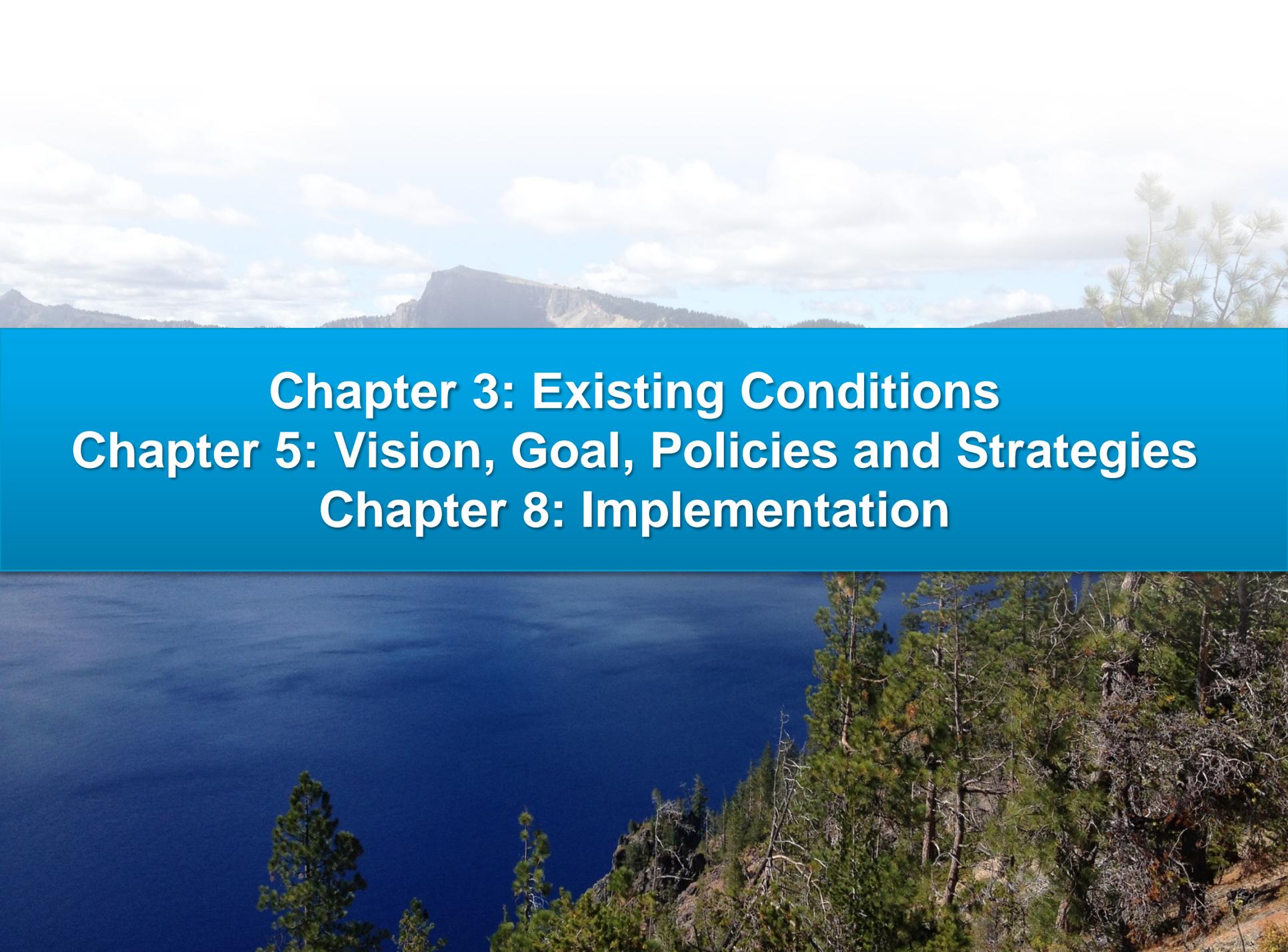


Chapter 4: Challenges (cont.)

- **Shifting Demographics**
 - » Growing population
 - » Growing older driver population
- **Competing Priorities**
 - » Urban areas balancing modes
 - » Higher pedestrian crashes in higher crime, lower transit, lower income level areas
- **Technological Concerns**
 - » Impact of cell phones
 - » Digital devices in cars
 - » Connected and Automated Vehicles into lower income and rural areas

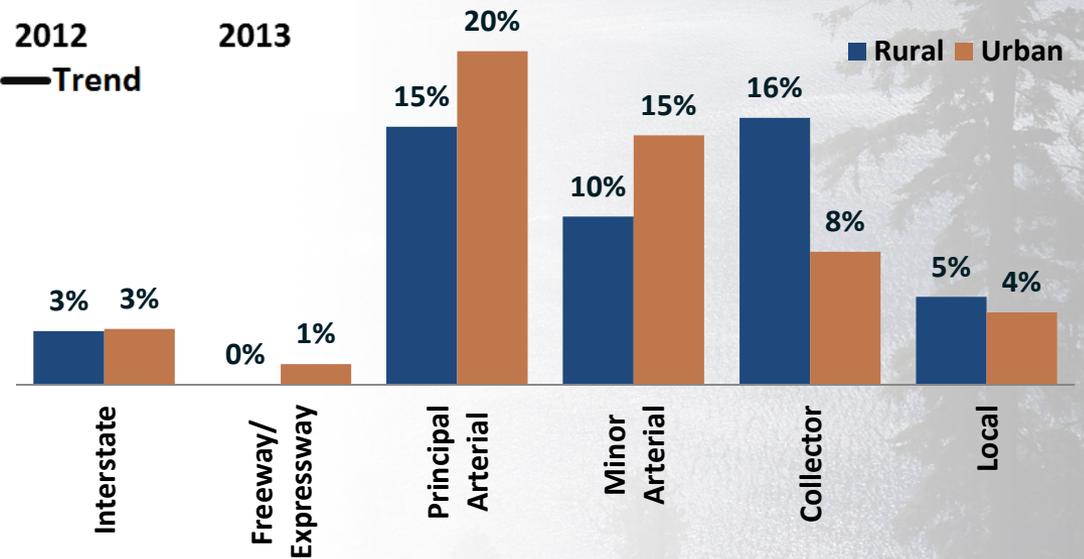
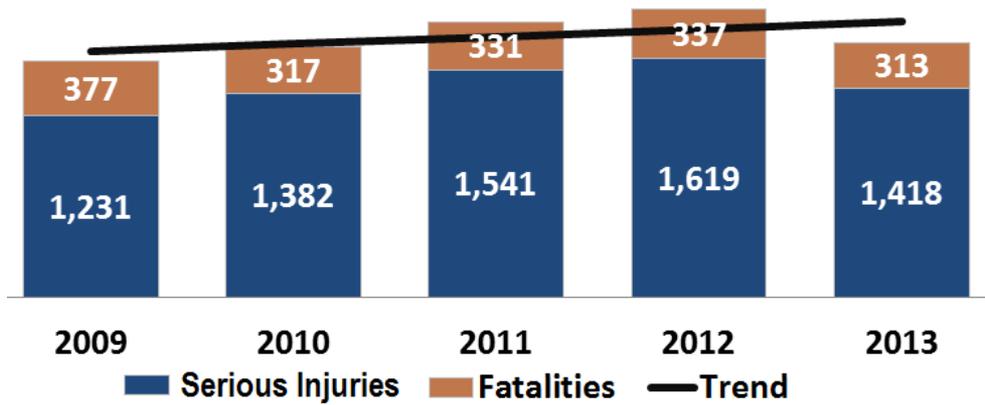
Chapter 4: Opportunities

- **Mobility and System Efficiency Benefits**
 - » Congestion benefits of eliminating fatalities and severe injury crashes
- **Technology**
 - » Vehicle safety, infrastructure, law enforcement, emergency response, problem identification and research
 - » Coming soon
 - Connected and Automated Vehicles
 - Safety Analytics
- **Shifting Transportation and Lifestyle Preferences**
 - » More urban living can lead to decreased single auto travel

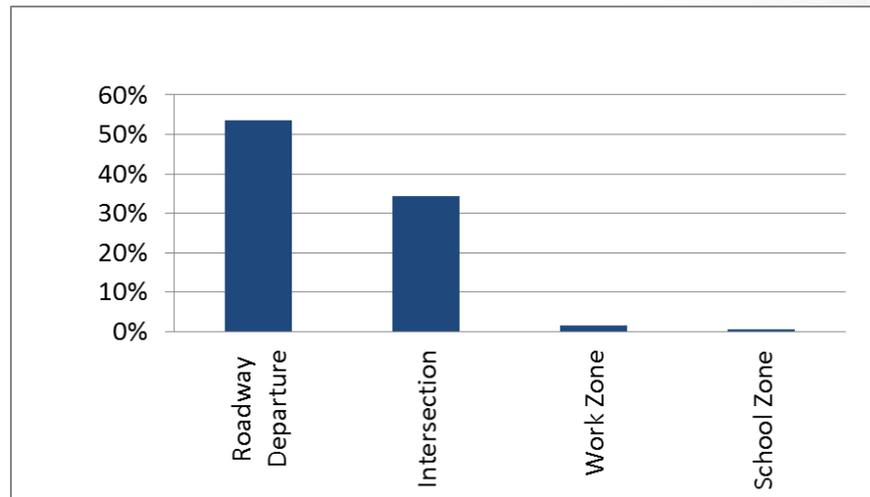
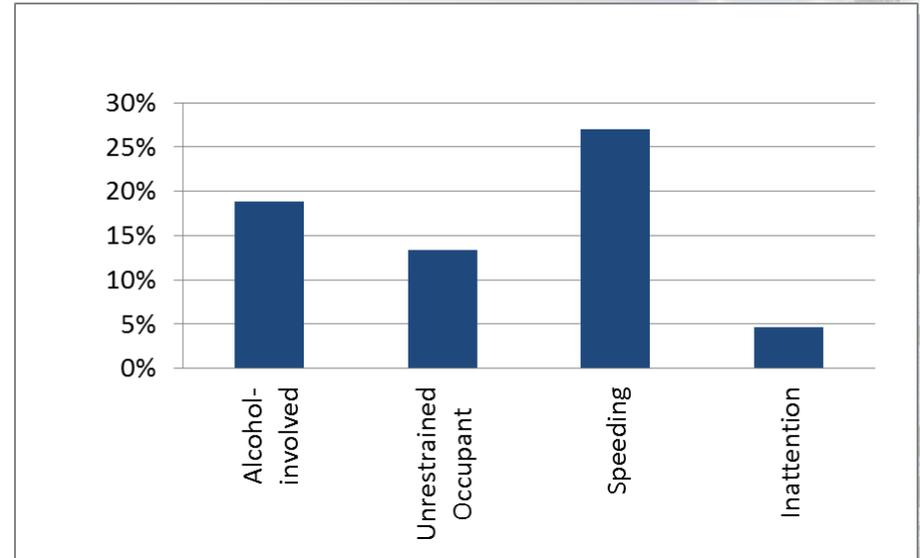
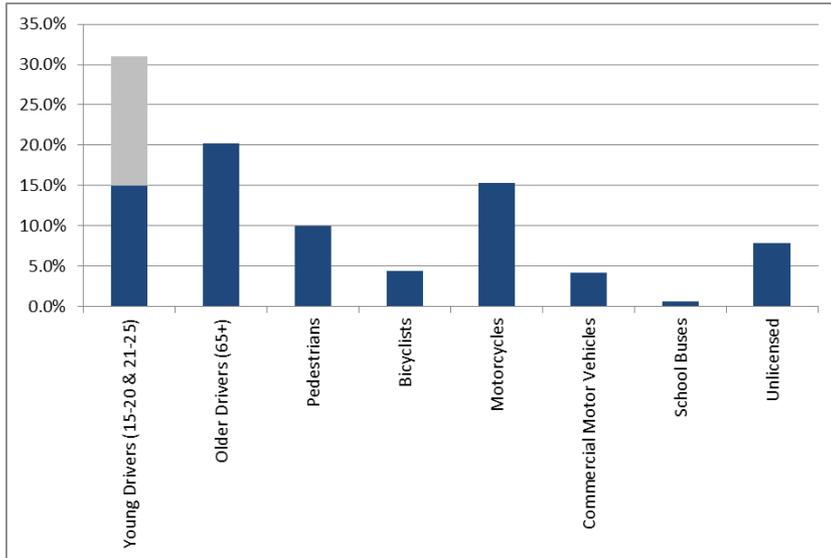


Chapter 3: Existing Conditions
Chapter 5: Vision, Goal, Policies and Strategies
Chapter 8: Implementation

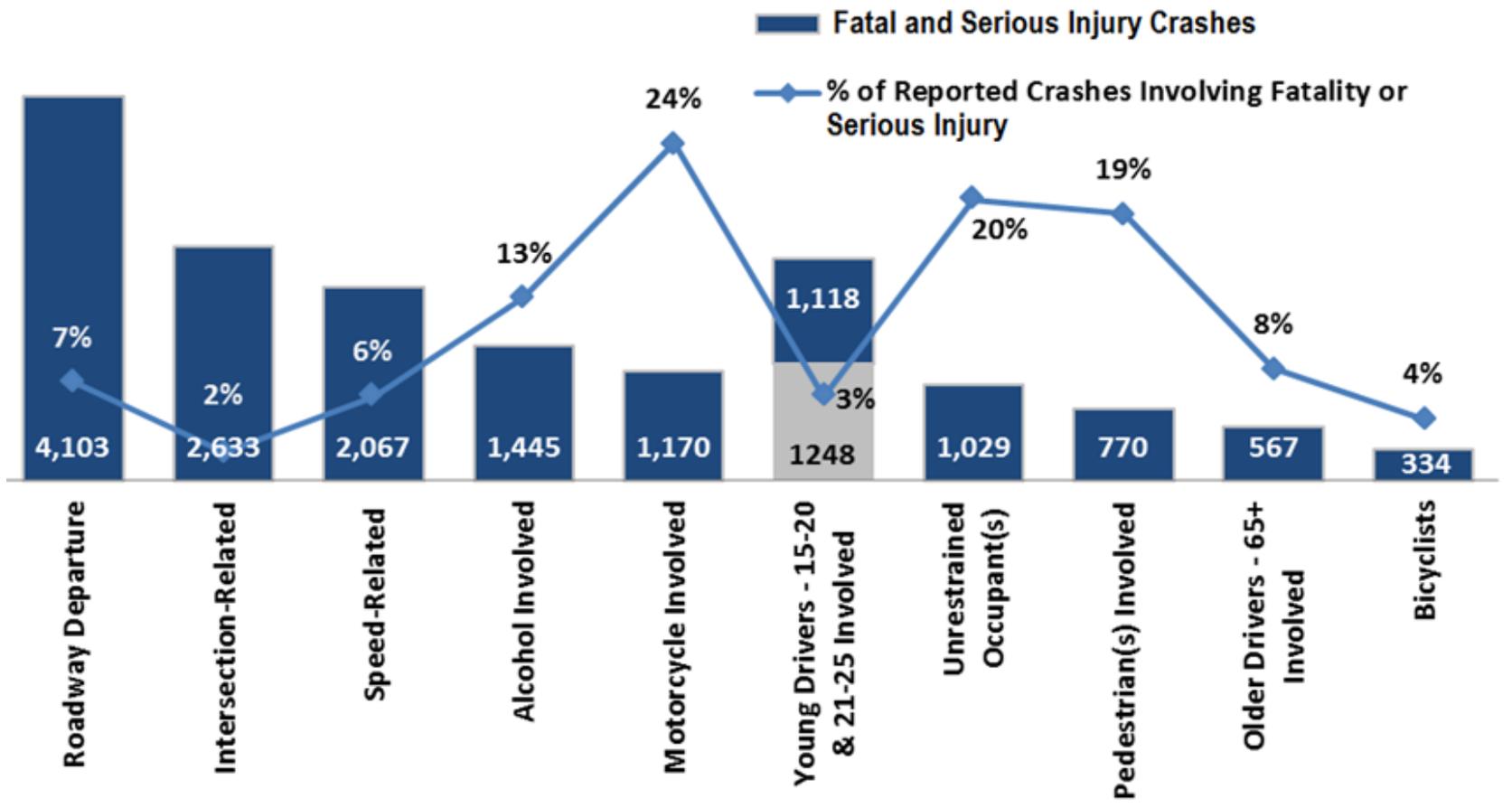
Chapter 3: Existing Conditions



Chapter 3: Existing Conditions (cont.)



Chapter 3: Existing Conditions (cont.)



Chapter 5: Vision

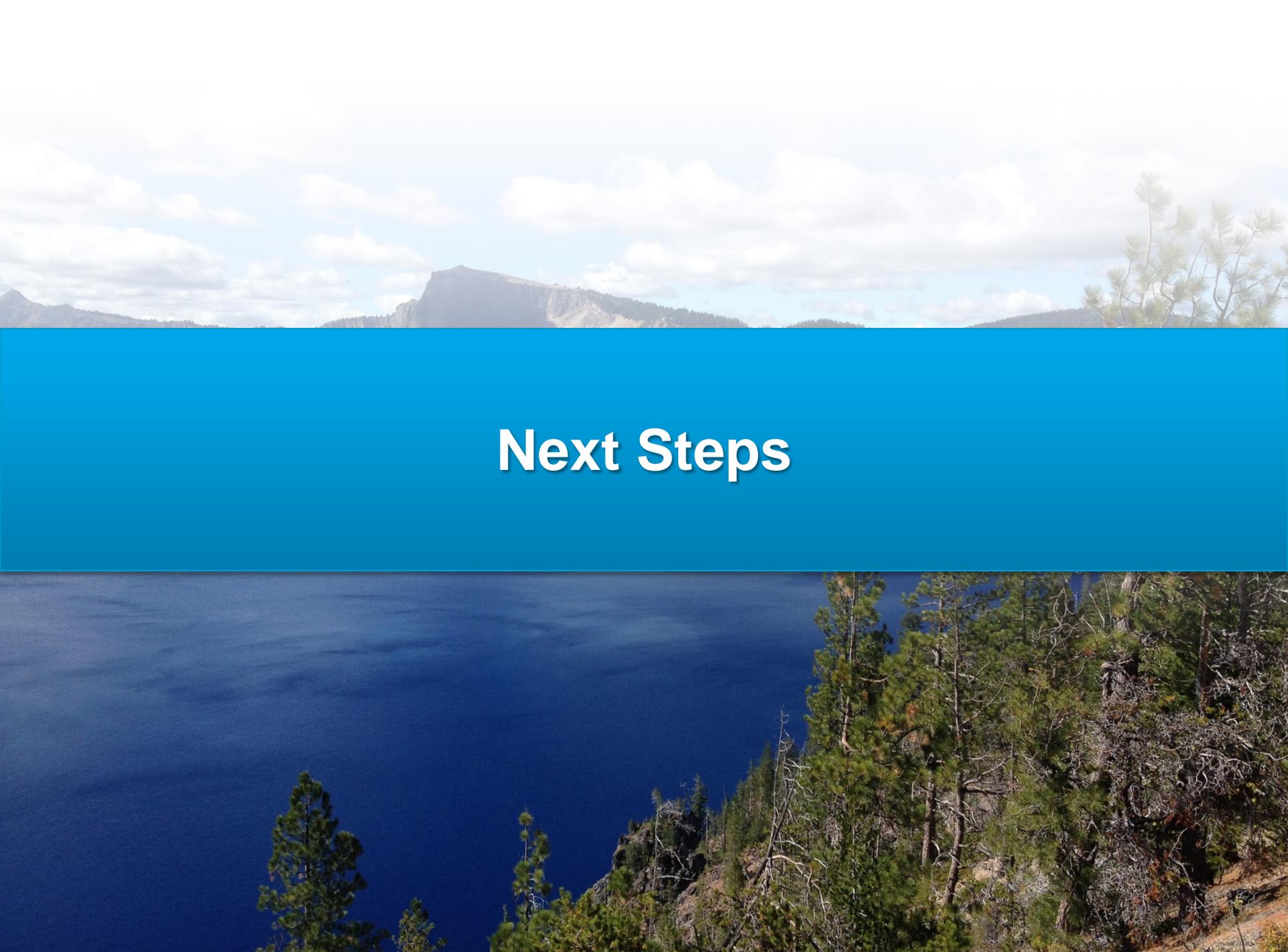
Oregon envisions no deaths or life-changing injuries on Oregon's transportation system by 2035.

Chapter 5: Goals

- **Safety Culture**
 - » All transportation system users have responsibility for other people's safety in addition to their own safety
- **Infrastructure**
 - » Develop and improve infrastructure to eliminate fatalities and serious injuries for users of all modes.
- **Healthy and Livable Communities**
 - » Plan, design, and implement safe systems, and support enforcement and emergency medical services
- **Technology**
 - » Plan, prepare for and implement technologies (existing and new) that can affect transportation safety for all users, including pilot testing
- **Collaborate and Communicate**
 - » Create and support a collaborative environment for transportation system providers and public and private stakeholders
- **Strategic Investments**
 - » Target safety funding for effective education, enforcement, engineering, and emergency medical services priorities.

Chapter 8: Implementation

- **How TSAP fits into practice**
 - » Safety vision, goals, policies, strategies and actions
 - » Long-term and near-term
 - » Targets
- **Example Long-Term Activities and Roles**
- **Monitoring Progress**
- **Successful Implementation**
 - » Leadership
 - » Collaboration
 - » Communication
 - » Analysis



Next Steps

Contacts and Information

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