



2016-2017 Integrated Snow Plan

September 26, 2016

Introductions

- Steve Ortega, Public Works Operations Manager
- Jeanette Solano, Public Works Fleet Supervisor



Presentation Overview

- 2016-2017 Integrated Snow Response Plan
- Communications
- Safety enhancements
- Technology & Innovation
- Performance measures/Next steps



Integrated Snow Plan

Program Goal

To provide fiscally responsible service during snow and ice events that support the safety and mobility of our transportation system by removing or displacing snow and ice from all designated priority streets, parking areas, trails, and City-maintained sidewalks as safely as possible.



Priority Street Classifications

Priority Street Classification	Definition
Priority 1	Major arterials connecting hospitals, fire & police stations, and other emergency units
Priority 2	All remaining arterials and selected collectors completing the network or providing school access
Priority 3	All remaining collectors, bus routes, and hilly areas
Priority 4	Residential / low volume streets* *Plowed only when snow accumulations completely block traffic movement

Priority Street Classifications

Snow Districts - [Interactive Map](#)

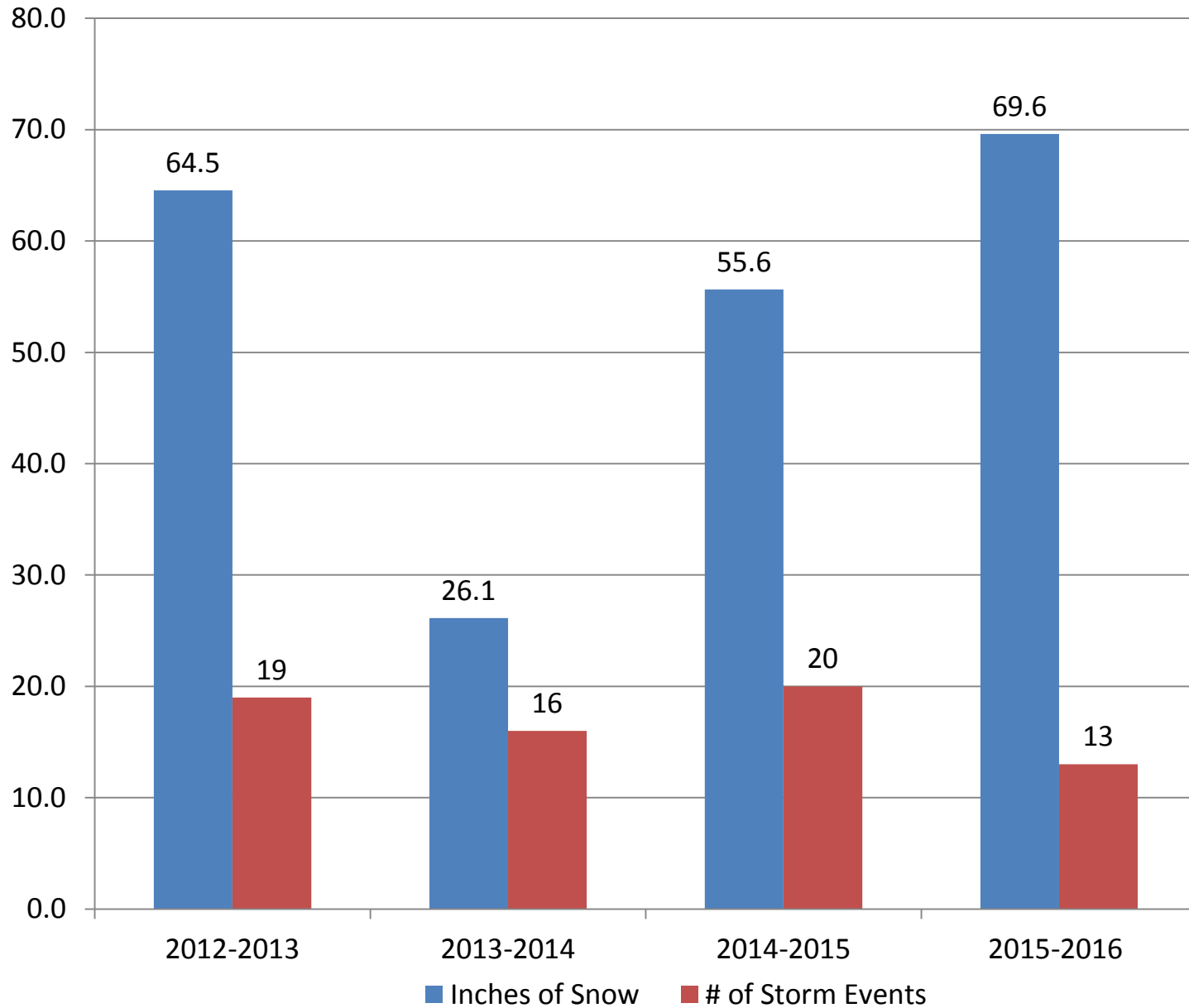


Storm Classifications

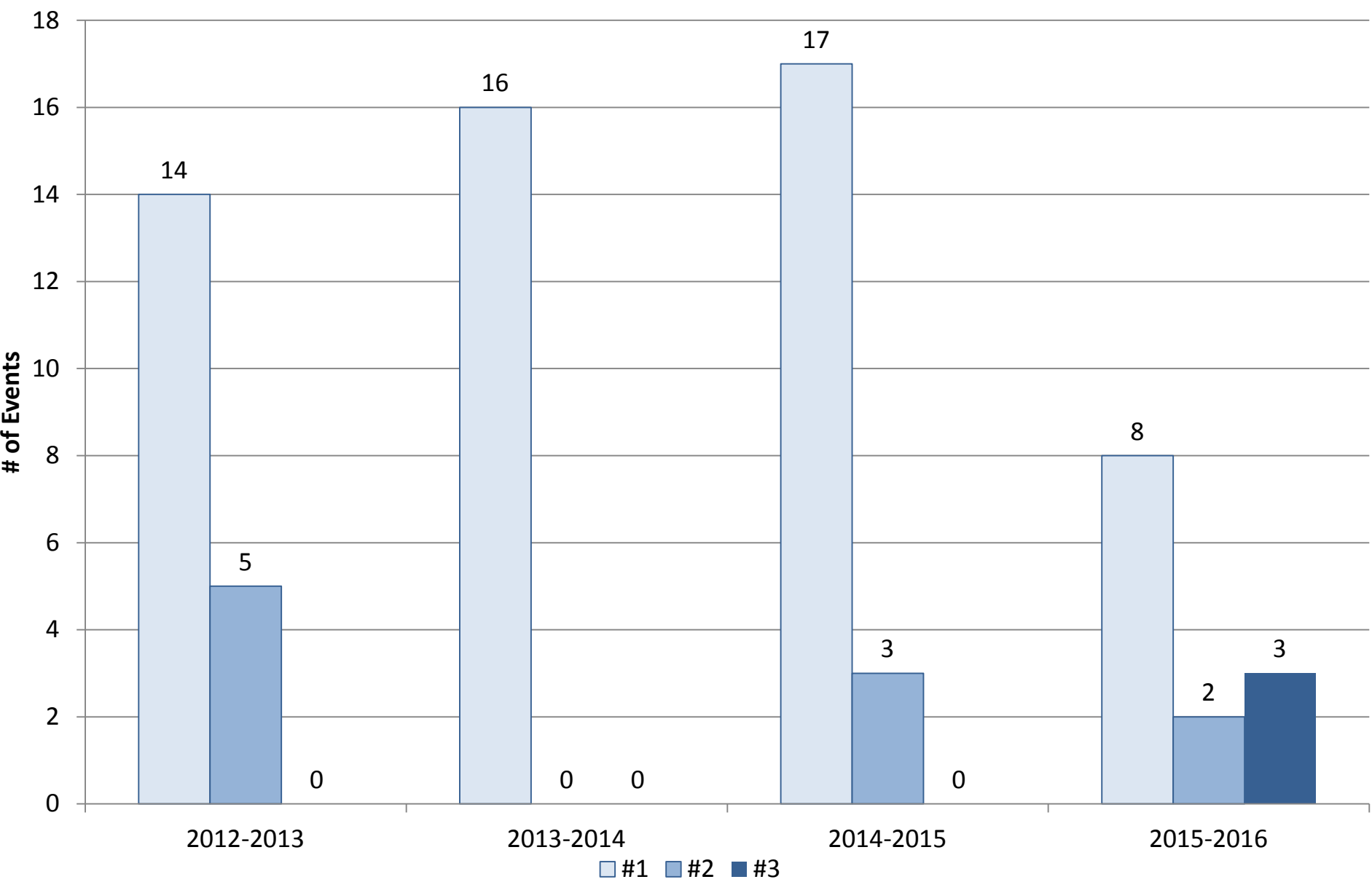
Storm Classification	Anticipated Storm Length	Anticipated Accumulation
Class 1	< 12 hours	4 inches or less
Class 2	> 12 hours	4 inches to 8 inches
Class 3	24 hours or more	> 8 inches



Snow Events, by Year



Snow Events, by Priority



Storm Classification	Performance Goal
Class 1	<ul style="list-style-type: none"> • Clear snow from all travel lanes of Priority #1 and Priority #2 streets • Provide at least one passable travel lane on Priority #3 streets
Class 2	<p>During storm event:</p> <ul style="list-style-type: none"> • Clear snow from all travel lanes of Priority #1 and Priority #2 streets <p>After storm event or when sufficient clearing of Priority #1 & Priority #2 streets:</p> <ul style="list-style-type: none"> • Clear snow from all travel lanes of Priority #3 streets
Class 3	<p>During storm event:</p> <ul style="list-style-type: none"> • Provide at least one passable travel lane on Priority #1 streets <p>After storm event or when sufficient clearing of Priority #1 streets:</p> <ul style="list-style-type: none"> • Clear snow from all travel lanes of Priority #2 streets <p>After sufficient clearing of Priority #2 streets:</p> <ul style="list-style-type: none"> • Clear snow from all travel lanes of Priority #3 streets

Resources

Equipment:

- 11 tandem dump trucks with sanders & plows
- 4, 1-Ton trucks with sanders & plows
- 1 Loader
- 1 Backhoe
- 1 motor grader

Staff:

- 19 Public Works Streets staff
- 3 shift Crew Chiefs (2 foremen & 1 supervisor)
- 4 Fleet Technicians



New Wing Plow



Snow Response Matrix

- Proactive Approach
 - Planning ahead
 - Dispatch of crew prior to the storm event
- Accountability
 - All levels within the Streets division
- Consistency
 - Detailed plan (Crew Chiefs)



Staff Training & 2016 Snow Rodeo

Top 2 teams represent Commerce City in the APWA Western Snow Rodeo competition on 9/28-9/30

The two winning teams:

- 1st place – Jonathan Atencio & Gregory Fischer
- 2nd place – John E. Lucero & Steve Skowronski



Communications

- [Dedicated Webpage](#)
- Connected newsletter article – October 2016 issue
- Press release at start of snow season
- Social media posts



Communications

- Website “news flash” alerts
- Press release/media advisories ahead of expected severe storms/closures
- Social media posts as necessary
- External Emergency Weather Hotline
- Snow hotline and intranet updates (*internal*)



Citizen Responsibilities

Section 6-2013(b). *Snow and ice.*

- Remove snow/sleet/hail/ice from sidewalks within 24 hours of the last accumulation
- Cannot dump or deposit snow from private property onto public property or a neighboring property
- Cannot dump or deposit snow against a fire hydrant or traffic control device



- Network Fleet -
 - Plow up/Plow Down
 - Sander on/Sander off
 - Location/Speed/Geofence capabilities
- 3SG -
 - MapitFast - MapitFast

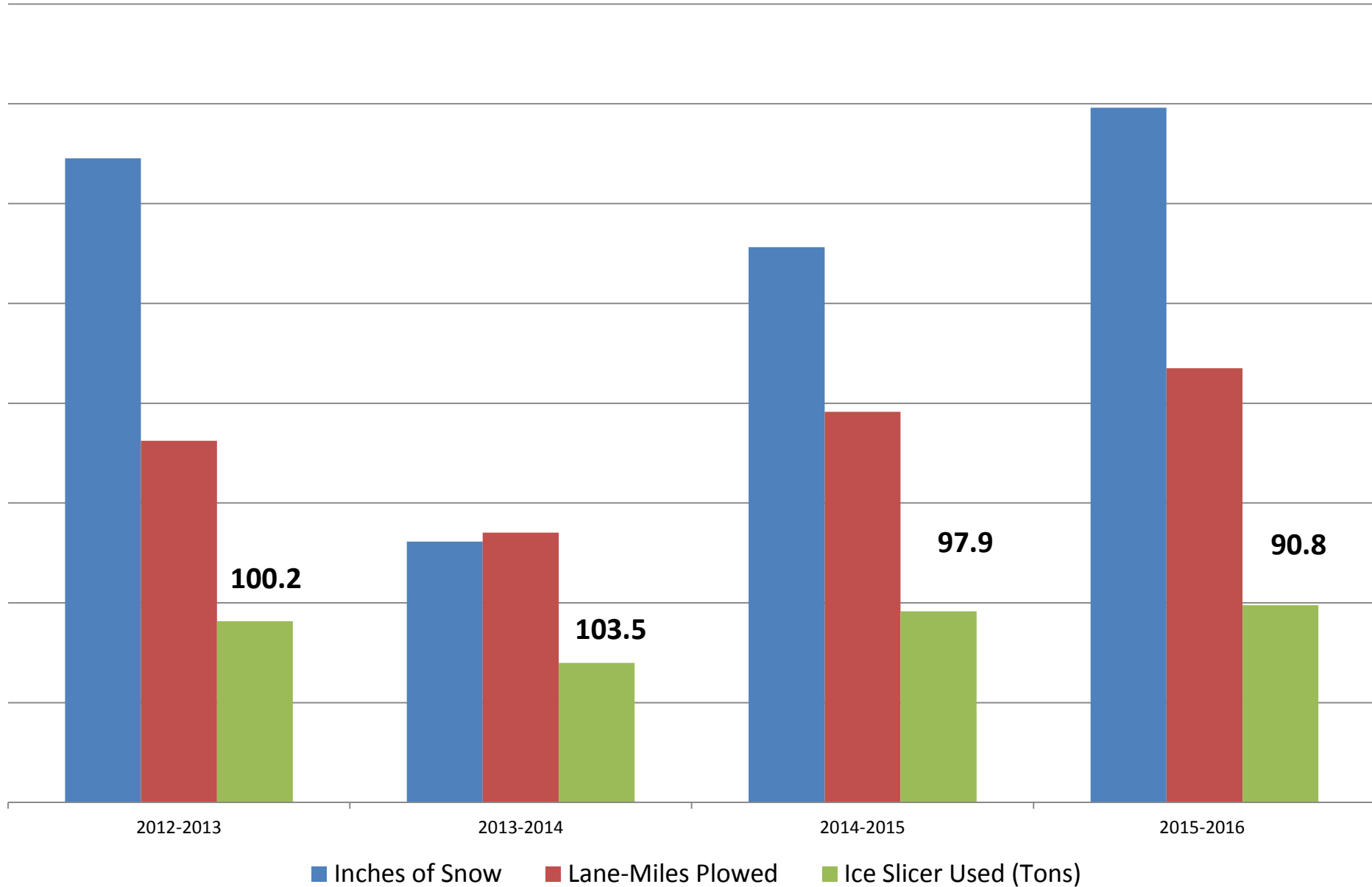


Technology & Equipment

- Loadrite Scale
 - Installed prior to 2015/2016
 - Transmits data wirelessly
 - [Loaded Material Report](#)
 - [Returned Material Report](#)
 - [End Of Year Report](#)
- Safety & Truck Enhancements
 - Bluetooth/weather band enabled radios
 - Reverse camera with internal and external audible alarm
 - [Kuper Blades](#)
 - Graphics and signage



Ice Slicer Usage; Pounds per Lane-Mile



Old Standard



New Standard



Questions

With integrity as the cornerstone the Commerce City Public Works Department will provide high quality service to internal and external customers through the use of education, innovation, teamwork and accountability.

