

Yours Truly

FY16 SNOW PROGRAM

September 19, 2017

Outline

- Snow Plan Overview
- Timeline
- Routing Philosophy
- Technology
- New Equipment
- Recommendations
- Questions

Lane Miles

- LS has 997 lane miles to plow and treat every snow storm
- Lakewood (LPOA) plows 28 lane miles of residential streets within their sub-division
- During storms streets are plowed multiple times. Some storms require plowing and treating over 3,000 lane miles.

Time Based Goal

- The City's Snow Plan outlines steps for the completion of storm response within 32 ½ - 48 hours after precipitation has ended provided that required levels of equipment and personnel are available.

Goal Time Based on Level

- Level 1 (pre-treat)
- Level 2 (<1" of snow) 24 hrs
- Level 3 (1" – 6" of snow) 32.5 hrs
- (6" – 10" of snow) 40 hrs
- Level 4 (10" or more snow) 48 hrs
- Level 5 (sustained winds >30 mph) 48 hrs

Level of Response

- Level 1 38 snow plow drivers
- Level 2 38 snow plow drivers
- Level 3 59 snow plow drivers
- Level 4 75 snow plow drivers
- Level 5 75 snow plow drivers

(NOTE: Does not include Snow Boss, Shift Supervisors, Snow Desk, Call Center, or Sidewalk Cleaning)

Level of Response

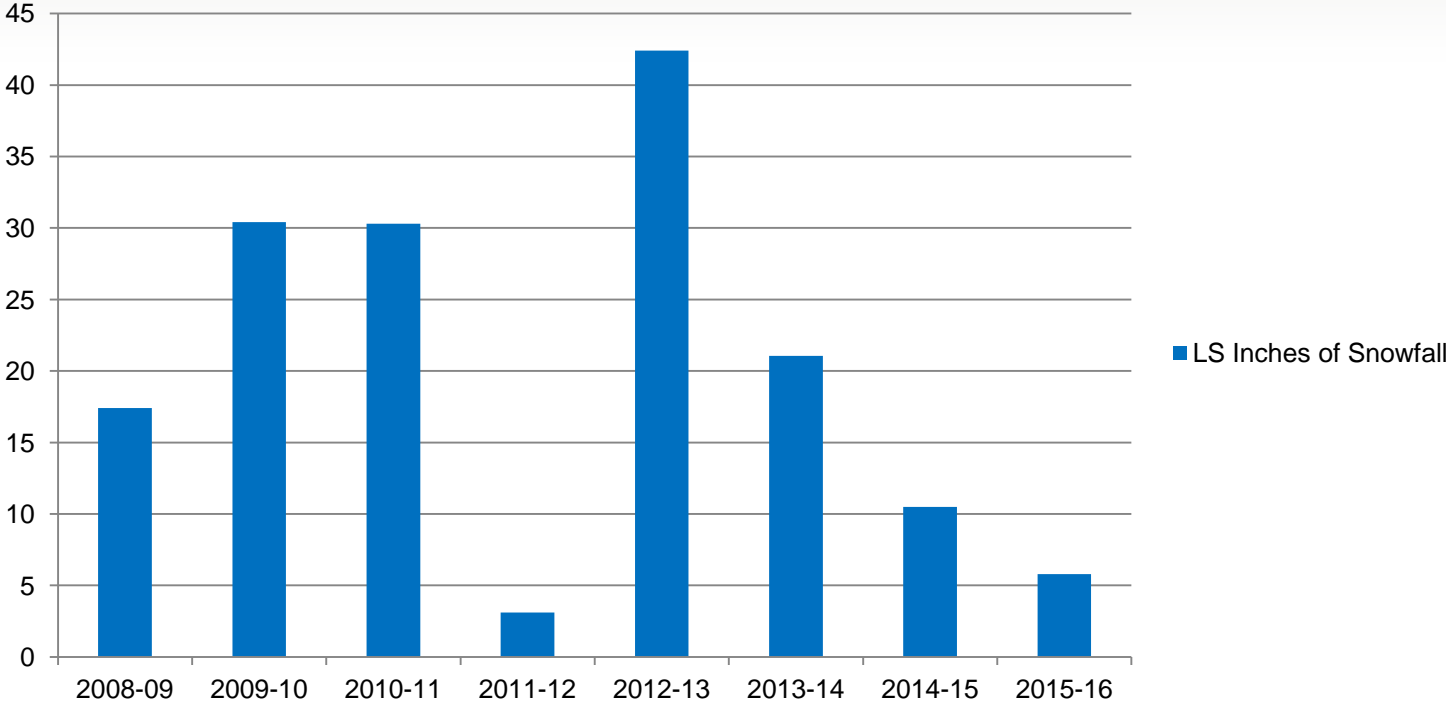
- Public Works Operations minimum staffing level in winter is 22 employees
- Volunteers come from:
 - Water
 - Engineering
 - Development Center
 - Fire
 - Police
 - Admin
 - HR
- Need 63% participation of employees outside of Operations to fill snow plows for a level 3 event

Levels of Response

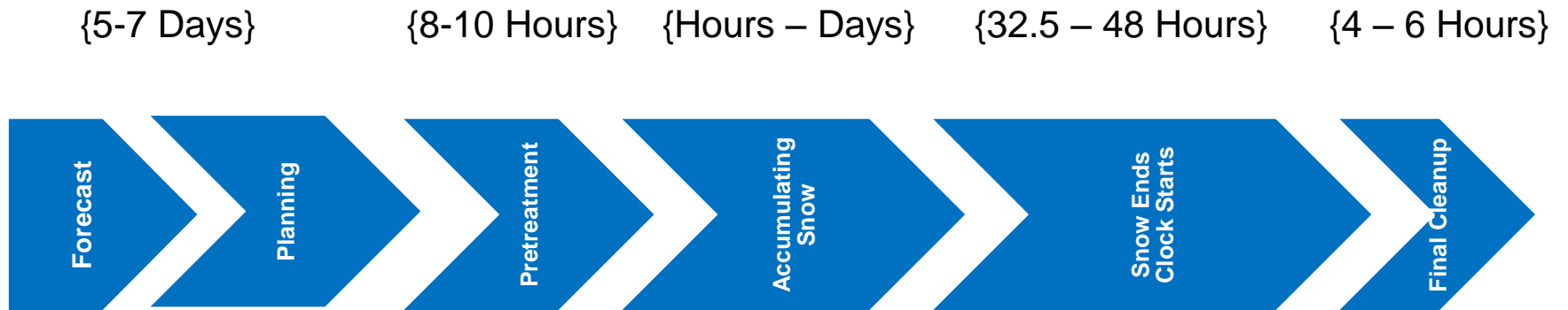
- Level 1 14 volunteer plow drivers
- Level 2 14 volunteer plow drivers
- Level 3 35 volunteer plow drivers
- Level 4 51 volunteer plow drivers
- Level 5 51 volunteer plow drivers

Snowfall

LS Inches of Snowfall

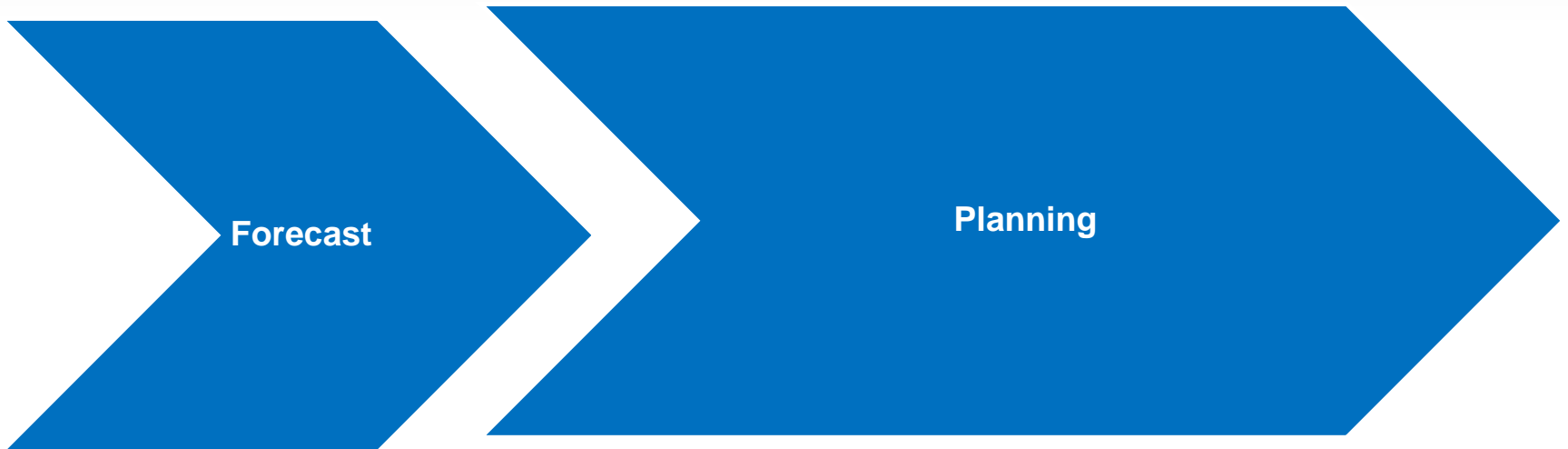


Snow Fighting Timeline



Timeline

5 -7 Days



Meteorology Models



Timeline

8 – 10 Hours Before The Storm



Pretreatment



Pre-Treatment



Timeline

??? Snow Can Last Hours or Days



Accumulating Snow



Forecast

Planning

Pretreatment

Accumulating
Snow

Snow Ends
Clock Starts

Final Cleanup

Timeline

32 ½ - 48 Hours



Snow Ends
Goal Time
Starts



Timeline

4 – 6 Hours



Cleanup



Forecast

Planning

Pretreatment

Accumulating
Snow

Snow Ends
Clock Starts

Final Cleanup

Routing Philosophy

- Primary Routes – Four hours to complete
 - Major roads
- Secondary Routes – Eight hours to complete
 - Feeder roads to and from subdivisions
- Residential Routes – Twenty hours to complete
 - All other roads

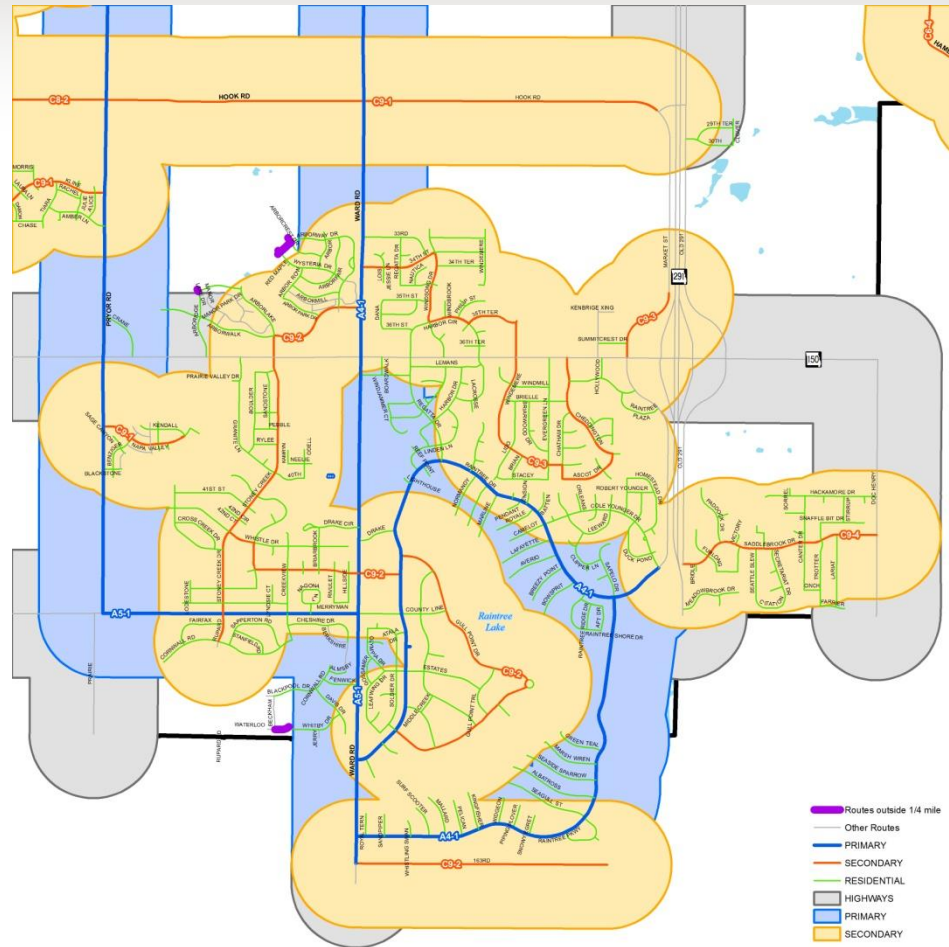
Residential Streets



Level of Service

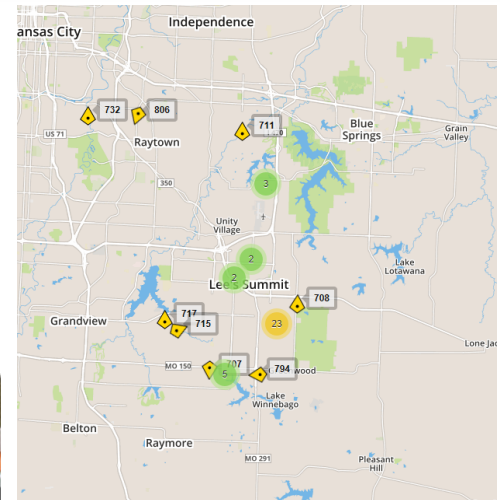
- Common Complaints
 - The city never plows my street
 - The driver did not do a good job
 - The plow covered my driveway/sidewalk/hydrant
 - The city is wasting money pre-treating
 - More expensive neighborhoods get plowed first
 - My street has more houses – make it a secondary route
 - Insert a city here _____ does a better job

Routing Philosophy



Technology

- Automated Vehicle Locating (AVL)
- Snow Tracker
- LSsnow.net
- Public Facing Website
 - LSsnow.net



Snow and Ice Control
Department Page | Snow/Emergency Plan | Winter Safety Tips | Snow Control FAQs and Tips

The Public Works Department is responsible for snow removal on public streets. The department monitors weather forecasts closely to schedule crews in advance of winter weather to ensure the highest possible level of response for safe travel during the event.

The Snow Plan has a scheduled route system. Snow plows are only redirected to assist police and fire emergencies; they are not otherwise pulled off of their established routes. If snow control operations are complete, but you believe your street was missed, contact the Snow Desk at 816-969-1670.

To receive these updates by email or text message, sign up for [Alerts](#).

Snow and Ice Control Progress Map
Click [here](#) to view a map showing Snow and Ice Control Progress on streets maintained by the City of Lee's Summit. The map is a public display of the City's Automated Vehicle Location (AVL) data. Please note the map is externally hosted and data may take several seconds to load. Please refresh your browser for updates.

Snow and Ice Control Blog

20 City's Crews Preparing for More Freezing Drizzle and Snow Tonight, Wed., Jan. 20, into Thurs., Jan. 21
Posted on January 20, 2016 17:13

The City's crews are preparing for another round of freezing drizzle and snow tonight, Wed., Jan. 20, into Thurs., Jan. 21. Precipitation is expected to be light, but crews will be ready to plow and treat roadways as necessary.

[More information](#)

19 City's Crews Preparing for Snow Today, Tuesday, Jan. 19
Posted on January 19, 2016 11:33

The City's crews began pre-treating roadways at 7 a.m. today, Tuesday, Jan. 19, in preparation for approximately 1-3 inches of snow. Residents should use caution during the evening commute as snowy and slick conditions are expected.

[More information](#)

New Equipment

- 4 trucks are capable of applying salt brine
- 4 trucks are equipped with wing plows
- Salt dome conveyor system is complete
- Installation for salt brine system is scheduled for October

New Equipment



New Equipment



New Equipment



Recommendations

- Route Optimization



Questions

