

City of Alexandria, Virginia

Winter Weather Preparation- Update

12/12/2017



One City Response



- 561 lane miles of roadway, 20 miles of publicly owned sidewalk and 44 acres of municipal parking lots/squares
- Approximately 60 City & contractor trucks
- Multiple departments with 100+ staff
 - T&ES
 - RPCA
 - General Services



Winter Weather Emergency System (Handout)



Level	Incident	Message	Goals	Objectives: Streets Group	Objectives: Pedestrian Group	Objectives: Facilities Group
Level 0	Potential for ice and or snow within 48 hours	Roadways may become dangerous. Drivers are advised to use caution	Application of de-icing materials on bridges, overpasses, and primary roads as necessary	<ol style="list-style-type: none"> 1. Bridges/ Overpasses 2. Primary Roads 	<ol style="list-style-type: none"> 1. All School Pedestrian Areas & Parking Lots / City Sidewalks 2. Metro station area sidewalks 3. Overpasses & Bridges 4. Recreation Centers 5. Commuter Trails 6. Marina/Boat House 	
Level 1	Up to 8 inches snow (or other variables) that can be managed using existing City resources	Roads may be dangerous. Drivers are advised to use caution.	Snow-covered roads will be made passable and then plowed. Schools access is a priority. Roadways may not be completely clear for 3 days.	<ol style="list-style-type: none"> 1. Primary Roads 2. Secondary/Hills 3. Local/Residential 4. Critical Curb Ramps 	<ol style="list-style-type: none"> 1. All School Pedestrian Areas & Parking Lots / City Sidewalks 2. Metro station area sidewalks 3. Overpasses & Bridges 4. Recreation Centers 5. Commuter Trails 6. Marina/Boat House 7. Parks 	<ol style="list-style-type: none"> 1. 24 hour facilities 2. Other City Facilities <ul style="list-style-type: none"> * City Buildings * Libraries * Museums
Level 2	8+ inches of snow or conditions that require additional resources	Roadways are hazardous. Drivers are advised to limit travel to emergency trips.	Bring conditions to Level 1. Roadways may not be completely clear for 5 days.	<ol style="list-style-type: none"> 1. Primary Roads 2. Secondary Roads/Hills 3. Local/Residential 4. Critical Curb Ramps 5. Catch Basins 	<ol style="list-style-type: none"> 1. Metro sidewalks / City Sidewalks 2. Schools 3. Overpasses/Bridges 4. Recreation Centers 5. Commuter Trails 6. Marina/Boat House 7. Parks 	<ol style="list-style-type: none"> 1. 24 hour facilities 2. Other City Facilities <ul style="list-style-type: none"> * City Buildings * Libraries * Museums
Level 3	Natural disaster conditions that outstrip City resources	Roadways closed to non-emergency personnel.	Bring conditions to Level 2 (no estimate available on clearing)	1. All roads passable for Emergency and Public Utility Vehicles	<ol style="list-style-type: none"> 1. Warming Centers Charles <ul style="list-style-type: none"> * Houston Rec Center * William Ramsay Rec Center 2. ACPS Support Staging Areas <ul style="list-style-type: none"> * TCW-Minnie Howard Campus * George Washington Elementary 3. Critical Infrastructure (as directed by EOC) 	<ol style="list-style-type: none"> 1. 24 hour facilities 2. Other City Facilities <ul style="list-style-type: none"> * City Buildings * Libraries * Museums

Highlights of 2017/18 Preparation



- Snow Rodeo event held in October
- Citywide coordination meeting held in November
- ACPS coordination meeting held in November
- Equipment and technology updates completed
- Staff attended American Public Works Association (APWA) Snow Conference
- Staff participated in regional COG Snow Coordination Meeting
- Plow simulator training for new drivers
- Enhancements to pre- treatment program
 - New brine tanks for smaller trucks in all 3 departments



Pretreatment Program

- Crews treat primary routes, bridges, overpasses, and hills 24+ Hours before storm
- New this year- ACPS parking lots, City cleared sidewalks, critical City facilities
- Great success..... when the weather cooperates!
- Very efficient and economical- crews can treat all primary routes, bridges, overpasses, and hills for less than \$2,500 per event.
- Friday treatment will occur as long as no rain is forecasted for the weekend
- Pre- wetting of salt



Major Changes for 2017/18 Winter



- Communications improvements- website, social media, reverse 911 autodial for snow emergency routes
- Continued improvements in management of external resources- AVL, hauling routes developed
- Extended use of brine in advance of storms
- Internal dashboard status reporting tool- internal pilot in advance of external rollout in 2018/19 season



Questions

