

1. Event Description

Snowfall (Source: National Weather Service)

Date	1/23/16			
Measured Snowfall (in inches)	Highest Recorded	Central Park	LaGuardia Airport	Kennedy Airport
	30.5"	27.5"	27.9"	30.5"

Advisories, Warnings, or Declarations Issued by the City or State

Actions Taken:

- ✓ Suspension of alternate side parking
- ✓ Requirement of chain or snow tire use when driving on Snow Emergency Streets
- ✓ Prohibition of standing or parking a vehicle on Snow Emergency Streets
- ✓ Towing of vehicles on Snow Emergency Streets
- ✓ Advisories to the public about winter weather-related hazards, to stay off roads, use public transportation, and take certain precautions while driving
- ✓ New York State Declaration

Issued:

- ✓ Weather Emergency Declaration
- ✓ Mayoral Executive Order Declaring an Emergency
- ✓ Hazardous Weather Advisory
- ✓ Citywide Snow Emergency Declaration
- ✓ Travel Ban

2. Agency Responsibilities and Performance Indicators

Agency	Responsibilities	Performed		
		Yes	No	N/A
Department of Environmental Protection	Clean catch basins primary roadways and poor drainage areas	X		
	Provide equipment and personnel to support snow removal	X		
	Conduct thawing of hydrants identified by FDNY and removal of snow around hydrants	X		
	Ensured pre-determined snow melting locations were prepared for operation	X		
	Additional comments/information:			
Department of Education	Delay school opening		X	
	Close schools		X	

2. Agency Responsibilities and Performance Indicators

Agency	Responsibilities	Performed		
		Yes	No	N/A
	Conduct snow removal operations at school facilities	X		
	Additional comments/information: No citywide delay or closures.			
Department of Transportation	Suspend alternate side parking	X		
	Mechanical sweeping on highways	X		
	Clear East River bridge crossings	X		
	Monitor condition of highways/bridges at Traffic Management Center	X		
	Provide equipment and personnel for snow removal	X		
	Additional comments/information: NYC DOT personnel were assigned to DSNY snow desk and supported DSNY with 76 plows and drivers.			
Department of Parks and Recreation	Conduct snow removal at City parks	X		
	Provide equipment and personnel for snow removal	X		
	Cancel or reschedule outdoor special events	X		
	Additional comments/information: 1/23/2016 - NYC Parks Winter Jam cancellation			
Department of Sanitation	Conduct roadway snow plowing and spreading operations	X		
	Implement alternate schedule for trash pickup	X		
	Additional comments/information:			
Fire Department	Conduct hydrant thawing and/or shoveling operations	X		
	Monitor EMS runs and services	X		
	Additional comments/information:			
Police Department	Monitor winter weather-related 911 calls	X		
	Assist in removal of abandoned vehicles from major roadways	X		
	Additional comments/information:			
Office of the	Monitor any reported winter weather-related deaths	X		

2. Agency Responsibilities and Performance Indicators

Agency	Responsibilities	Performed		
		Yes	No	N/A
Chief Medical Examiner	<i>Additional comments/information:</i>			
Emergency Management Department	Provide interagency coordination	X		
	Activate and operate NYC Emergency Operations Center	X		
	Provide public messaging through NotifyNYC, OEM's website, and the NYC Severe Weather website	X		
	Provide logistics support (e.g. assist in mutual aid and resource request processes)	X		
	<i>Additional comments/information:</i> NYC EOC remained activated, with Tow Truck Task Force support, through 1/27.			
Metropolitan Transportation Authority	Clear entrances to bridges and tunnels	X		
	Remove abandoned buses from roadways			X
	Monitor and remove snow from subway and commuter rail stairs and platforms	X		
	<i>Additional comments/information:</i>			
New York City Housing Authority	Conduct snow removal operations at NYCHA Housing Developments. Snow removed from hydrants, fuel oil lines, utility manholes, building entrances, sidewalks, garage roofs, and wood framed structures.	X		
	Deployed Salt & Sanding Operations	X		
	Hired temporary staff, contractors or rented equipment to assist with snow removal	X		
	Addressed Major Service Disruptions			X
	Cancel community services/events			X
	<i>Additional comments/information:</i>			
New York State Office of Emergency Management	Provide logistics support			
	Issue supporting emergency declarations			
	<i>Additional comments/information:</i> ** NYS OEM did not provide indicators **			

2. Agency Responsibilities and Performance Indicators

Agency	Responsibilities	Performed		
		Yes	No	N/A
Port Authority of New York & New Jersey	Clear entrances to bridges and tunnels	X		
	Conduct snow removal operations at airports	X		
Additional comments/information: Cleared bridges, sanded tunnels, cleared entrances to PATH stations, sanded stairs at PATH stations, cleared/salted sidewalks and cleared bus entrances/exits at Bus Terminal; cleared and slated sidewalks and plazas at WTC and cleared and salted roadways at New York Marine Terminals.				

3. Recommendations for Improvement

Recommendations for improvement (e.g., revisions to relevant plans and protocols)

Agency	Recommendation
DSNY	DSNY did an extensive review of the route progression and areas hit hardest by Winter Storm Jonas. DSNY will procure additional Small Salt Spreaders with plows to address the tighter residential areas.
DSNY	In events that have a high degree of probability for 10+” of snow fall accumulations, DSNY will develop a plan to proactively deploy Front End Loaders into residential areas for plowing purposes. This will help with plow ridge suppression and ensure that the pieces of equipment are already route assigned in the impact areas.
DSNY	Through procurement, DSNY will increase the number of Supervisory SUV’s Class vehicles for the monitoring Snow Operations. This will help ensure situational awareness via on road supervisory feedback. The low height passenger cars were no match for the conditions.
DSNY	DSNY will procure additional ‘Skid Steer’ units and develop a plan to deploy those additional units during post snow fall recovery operations.
NYCHA	Pre-snow season table-top exercise between key agencies to discuss snow removal operations.
NYCEM	NYCEM Intergovernmental will, in conjunction with DSNY and other relevant agencies, hold a pre-season Winter Weather Call with elected officials to discuss the upcoming winter, important information related to operational procedures, and messaging they can push out to their constituents.
DPR	Minor internal revisions on the snow reporting mechanism.

4. City-Owned Equipment Inventory

**Snow Preparedness
and Response Report
Local Law 26/2011**

**Blizzard of 2016 (Jonas)
1/23/16**

City-owned equipment used during this snow event

Equipment Type		Number	Deploying Agency
✓	Dump trucks	87 39	DSNY NYCHA
✓	Generators	52	NYCHA
✓	Light towers	63	NYCHA
✓	Plows	91 1912 290 2	DOT DSNY NYCHA OCME
✓	Salt	101,772 tons 437 tons 200 x 40 lbs.	DSNY NYCHA OCME
✓	Salt spreaders	597 552 5 190	DSNY NYCHA OCME DPR
✓	Snow melters	20 47	DSNY NYCHA
✓	Tow trucks (wreckers)	4 52	DOT DSNY
✓	Front-end loaders	15 184 67 2 23	DOT DSNY NYCHA OCME DPR
✓	Other - Application Trucks	8	DOT
✓	Other - Small Equipment	214	DOT
✓	Other - Bob Cat	35	NYCHA
✓	Other - Snow Blower	86 5 185	NYCHA OCME DPR
✓	Other - Skid Steer	8	NYCHA
✓	Other - Tractor	27	NYCHA
✓	Other - Gator	10	NYCHA

4. City-Owned Equipment Inventory

City-owned equipment used during this snow event

Equipment Type	Number	Deploying Agency
✓ Other - JD Tractor w/ Plow	2	OCME
✓ Other - Shovels	16	OCME
✓ Other - Vehicles /w Plows	134	DPR
✓ Other - DPR to DSNY Plows	44	DPR

5. Hired Equipment Inventory

Hired equipment used during this snow event. If available, attach APT reports.

Equipment Type	Number	Deploying Agency	Deployment Strategy (i.e. contracts, agreements, etc.)
✓ Tow Trucks	26	DSNY	Requirements contract in place for incidental towing
✓ Plows	86	DSNY	Requirements contract in place for Plowing Tertiary Streets
	2	OCME	Hired contractor
✓ Front End Loaders	54	DSNY	Emergency contract
✓ Skid Steers	31	DSNY	Emergency contract
✓ Dump Trucks	110	DSNY	Emergency contract
✓ Front End Loaders	21	DSNY	Requirements contract in place for piling and hauling
✓ Dump Trucks	40	DSNY	Requirements contract in place for piling and hauling
✓ Shovels	3129	DSNY	Emergency laborers
	4	OCME	Hired contractor
✓ Ice Choppers	1312	DSNY	Emergency laborers
✓ Salt	27 tons 200 x 40 lbs.	NYCHA OCME	Hired contractor
✓ Tractor	2	NYCHA	
✓ Gator	1	NYCHA	
✓ Salt Spreader	7	NYCHA	

5. Hired Equipment Inventory

Hired equipment used during this snow event. If available, attach APT reports.

Equipment Type	Number	Deploying Agency	Deployment Strategy (i.e. contracts, agreements, etc.)
	4	OCME	Hired contractor

6. Personnel Inventory

Non-City personnel deployed during this snow event

Description	Number	Deploying Agency	Deployment strategy (i.e. contracts, agreements, etc.)
Plow Operators	86	DSNY	Operators of the plows brought in to service tertiary routes via the Requirements Contract as outlined in Section 5
Tow Truck Operators	26	DSNY	Operators of the tow trucks brought in for incidental towing via the Requirements Contract as outlined in Section 5
Emergency Laborers	3129 116	DSNY DOT	Pre-Registered Temp Emergency Labor Picked up laborers at designated DSNY locations
Dump Truck Operators	40	DSNY	Operators of the Dump Trucks via the Requirements Contract as outlined in Section 5
FEL Operators	54	DSNY	Operators of the FEL's via the Emergency Contract as outlined in Section 5
Skid Steers Operators	31	DSNY	Operators of the FEL's via the Emergency Contract as outlined in Section 5
Dump Truck Operators	110	DSNY	Operators of the FEL's via the Emergency Contract as outlined in Section 5
Resident	132	NYCHA	Temporary Hire
Non-Resident	13	NYCHA	Temporary Hire
Plow Truck Driver	2	OCME	Hired contractor

6. Personnel Inventory

Non-City personnel deployed during this snow event

Description	Number	Deploying Agency	Deployment strategy (i.e. contracts, agreements, etc.)
Laborer	4	OCME	Hired contractor