# Pennsylvania Department of Transportation Winter Services Guide

2024 - 2025





Pennsylvania Department of Transportation

PUB 628 (10-24)

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### Dear Customers:

Whether it's the summer travel season or inclement weather is forecast, PennDOT is committed to keeping people and our economy moving safely.

Our team has been preparing for this winter since the last winter season ended. Our state-maintained roadway network is the fifth-largest in the nation, and translates to over 94,000 snow lane miles across the state. We have more than 2,350 department plow trucks at the ready and we employ 4,700 equipment operators to brave the worst of winter to keep our roads passable. They are supplemented by nearly 380 contracted plow trucks and supported by 496 mechanics, managing more than 2,300 snow routes with an average length of 40 snow lane miles.



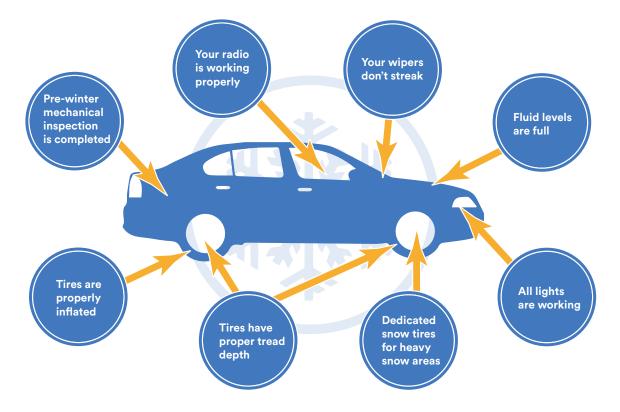
Technology continues helping us deliver transparent and efficient services, and we encourage you to use the many tools available to you in the season ahead. Our 511PA service offers information year-round and we encourage you to sign up for personal alerts, the smartphone app, and use the many tools available to help you see road and traffic conditions. Our partnerships with federal, state, and local partners continue and will assist with any potential events and emergencies throughout the season.

This Winter Services Guide outlines our operations and resources in each region across the state. Please help us by paying attention to winter weather forecasts before traveling, and if you must travel during storms, be prepared with needed supplies in your vehicle and slow down.

Sincerely,

Michael Carroll, PennDOT Secretary

Getting Your Vehicle Ready for Winter - Motorists should ensure that...



Emergency Travel Kit - Don't Leave Home Without It ...



Also remember to include warm clothing and gloves, blanket, ice scraper, sand, non-perishable food and anything else you may need to accommodate family traveling with you (special medication, baby supplies, pet food, etc.).

### **PennDOT Offers These Winter Driving Tips:**

### **Before You Go**

- Prepare a winter emergency travel kit.
- Listen to weather and travel advisories.
- Visit www.511PA.com or call 511.
- Pack a cell phone and be sure it's charged.
- Remove snow and ice from your hood, roof and windows.
- Tell someone where you are going and when you expect to arrive.
- Do not drink and drive and always wear your seat belt.



### While You're Traveling

- Turn on your headlights when your wipers are on it's the law.
- Watch for wet-looking roads, they could actually be frozen "black ice."
- Use low beams in cases of heavy or blowing snow.
- Do not use cruise control on snow-covered roads.
- Slow down and increase following distance and avoid sudden stops and starts.
- Use extra caution on bridges and ramps where ice can often form without warning.
- Do not pass or get between trucks plowing in a plow line.
- If you do become stranded, it's recommended that you stay with your vehicle until help arrives. Run the engine every hour or so, but make sure the tailpipe is clear and keep the downwind window cracked open.
- Do not park or abandon your vehicle on snow emergency routes.

### **Take Special Precautions**

Use caution in areas where pedestrians may be present. Anticipate the presence of pedestrians in residential areas. Be alert for people entering the road from behind snow piles. Allow pedestrians extra time to cross icy or snow-covered streets.



### Winter Safety Tips for Pedestrians

- Wear brightly colored clothing.
- Stay on sidewalks whenever possible but if you must walk on the road, travel as close to the road shoulder as possible and always walk facing oncoming traffic.
- Allow drivers ample time to stop in icy conditions.
- Before crossing a street, look left, right and then left again to check for traffic.
- Always cross a street at an intersection and avoid entering the road from between parked cars or behind snow piles.

### **PennDOT Winter Tools and Terms**

**Anti-icing** - The application of salt brine to the road surface prior to winter storms. The solution lowers the freezing point of water and slows or prevents ice from forming a bond with the pavement during the early stages of a storm.

**Anti-skid -** Crushed limestone is used as an anti-skid material in addition to salt. The percentage of anti-skid varies by road type.

**De-icing** - The application of salt or salt brine to the roadway after snow or ice accumulation.

**Ground speed-activated salt spreader** - PennDOT trucks are equipped with an electronic material application system that automatically dispenses the desired amount of material. These systems ensure that the material is applied at a constant rate whether the truck is going 15 mph or 45 mph.

**Infrared temperature sensors** – Sensors are mounted on vehicles in the PennDOT fleet to provide the operator with the exact pavement temperature. This helps the operator determine if there is a potential for the roadway to freeze and when to start the treatment cycle.

**Pre-wetted salt -** Road salt is sprayed with salt brine to enhance the salt's melting capability in cold weather. Pre-wetting lowers the melting point of salt to make it more effective in lower temperatures.

**Salt Brine -** Salt brine is essentially salt water produced at 73 PennDOT facilities around the state. This material is used in anti-icing operations and to pre-wet salt.

**Salt -** Salt remains the department's primary weapon for fighting winter storms. PennDOT, which has 445 stockpiles around the state, has used an average of nearly 598,094 tons of salt over the last five winters.

**Single, tandem and tri-axle trucks -** Over the past several years, PennDOT has been replacing its single-axle trucks, which are capable of hauling 8 tons of material, with larger and more powerful tandem-axle trucks, which are capable of hauling 16 tons. Tri-axle trucks can haul up to 22 tons.

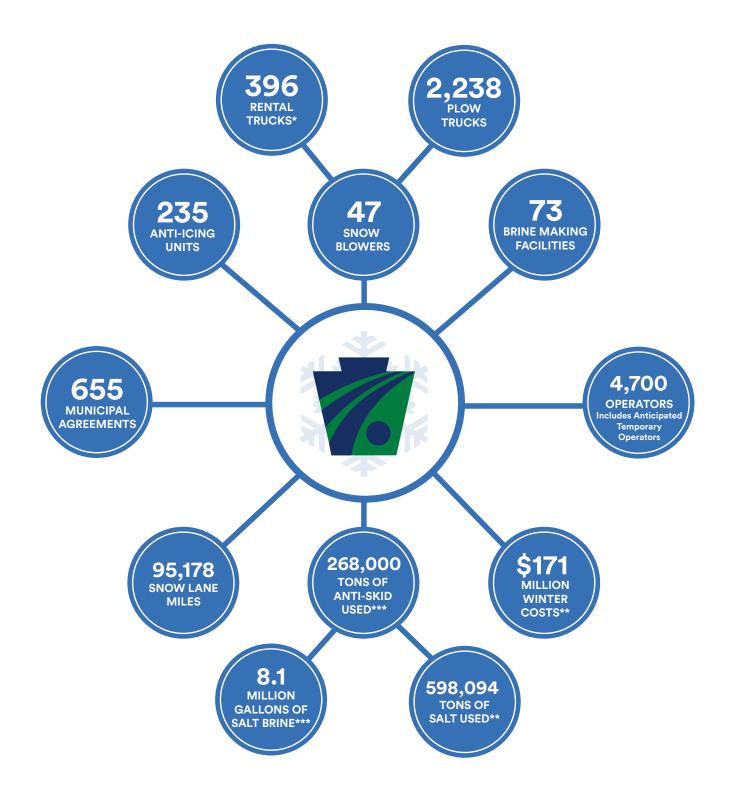
**Wing plow -** When mounted on both sides of a truck, can allow a truck to clear almost an extra 8 to 9 feet of lane width in addition to the 11 feet or so already cleared by the main plow.

**Tow plow -** Towed by a plow truck and when combined with a front plow, the combination will clear a width of 25 feet or two full lanes.

**Municipal Agreements -** Agreements in place for municipalities to clear state roads in their jurisdiction.



### Winter by the Numbers



\* Estimated number of rental trucks \*\* Average amount used over last five winters \*\*\* Amount used 2023-2024 winter During winter weather, PennDOT's primary goal is to keep roads **passable and as safe as possible**. Roads **will not be free of ice and snow** while precipitation is falling.

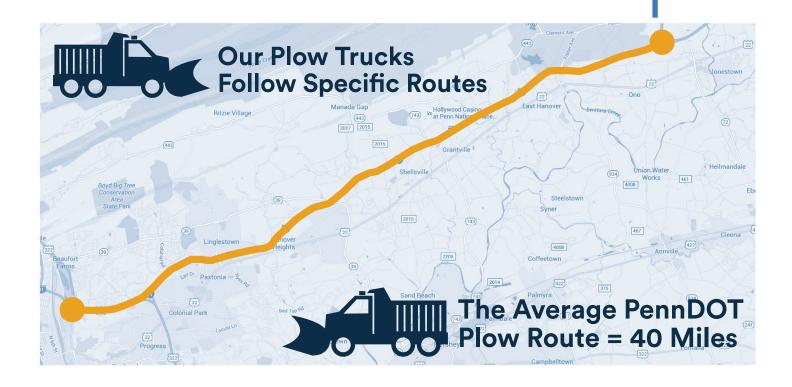
### **Storm Management**

Each storm is different and varies, even from region to region. PennDOT staff review weather reports and on the ground conditions to plan how to manage each storm.

In a non-freezing rain storm, department crews may pre-treat with salt brine, essentially a mix of water and salt, from the backs of anti-icing trucks before frozen precipitation starts to fall. While salt brine isn't needed for every storm, when it's used it helps PennDOT get a jump start on removing ice and snow. Examples of when crews will not pretreat include when a storm is forecast to start as rain (rain will wash the material away) or when there is enough salt residue from a previous storm.

In addition to storm preparation, how PennDOT uses winter materials during storms varies by roadway and precipitation type. On higher-volume roadways, salt is the primary winter material used through a storm, especially during rush hours and on bridges, hills, curves and intersections. On lower-volume roadways the amount of salt will be reduced and anti-skid will be used more as salt is most effective with higher traffic volumes.

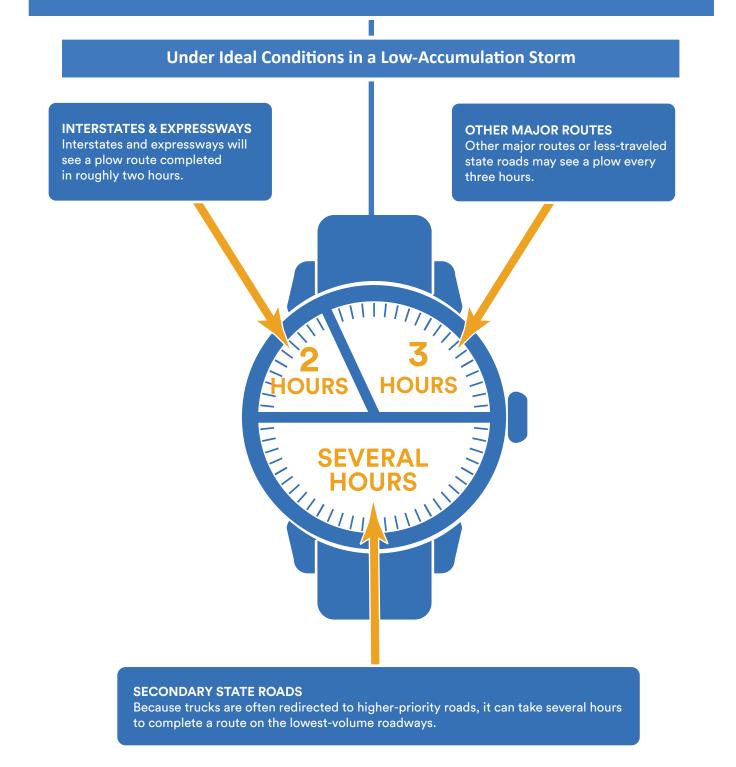
### More Traffic = More Attention from Plows



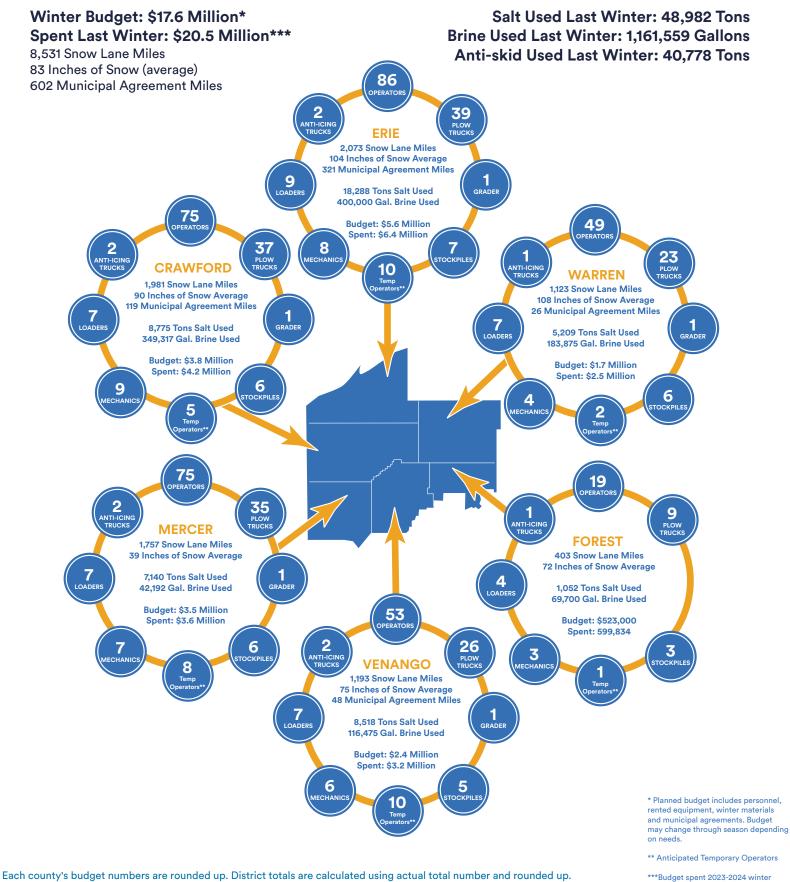
### **Average Plow Times During Winter Weather Events**

The time it takes for a plow truck to pass by the same point on the route depends on how heavy precipitation is and how much traffic is on the roadway.

Interstates and expressways are PennDOT's primary focus. In fact, equipment may be redirected to these roads during significant storms.



The heavier the traffic or precipitation on a roadway, the longer these routes will take.



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### **DISTRICT 1 OFFICE**

255 Elm Street Oil City, PA 16301 814-678-7085

### **CRAWFORD COUNTY OFFICE**

18492 Smock Highway Meadville, PA 16335 814-332-6880

### **ERIE COUNTY OFFICE**

9031 Peach Street Waterford, PA 16441 814-871-4411

### FOREST COUNTY OFFICE 645 Elm Street

Tionesta, PA 16353 814-755-3580

### **MERCER COUNTY OFFICE**

215 North Maple Street Mercer, PA 16137 724-662-5350

### **VENANGO COUNTY OFFICE**

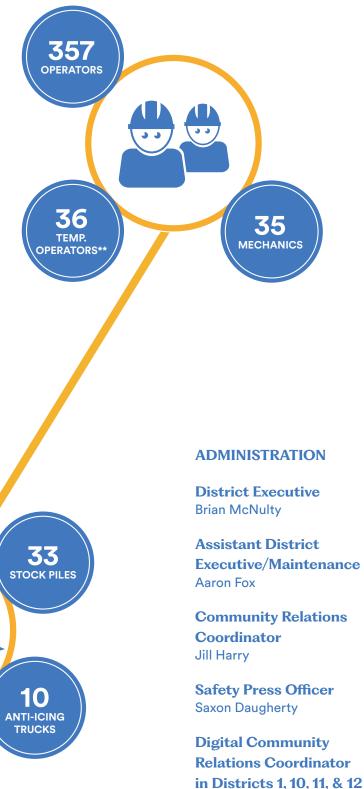
1460 Pittsburgh Road Franklin, PA 16323 814-432-3115

### WARREN COUNTY OFFICE

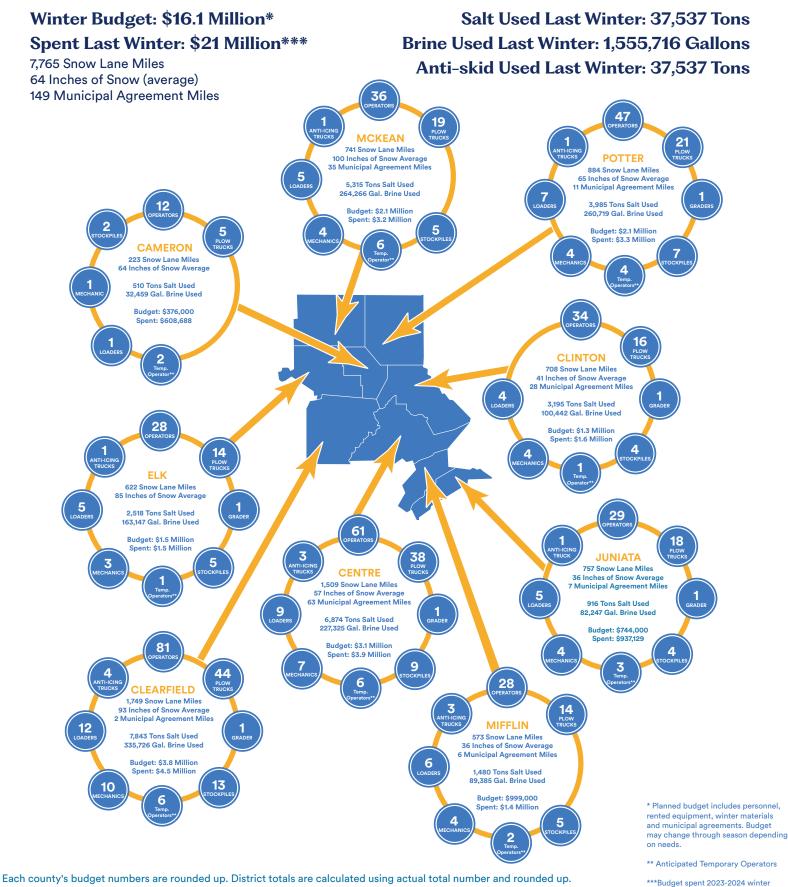
20745 Route 6 Warren, PA 16365-0985 814-723-3500



### **DISTRICT 1 TOTALS**



Stephanie Smilak



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### **DISTRICT 2 OFFICE**

70 PennDOT Drive Clearfield, PA 16830 814-765-0400

### **CAMERON COUNTY OFFICE**

21013 CCC Memorial Highway Emporium, PA 15834 814-486-1643

### **CENTRE COUNTY OFFICE**

1000 East Bishop Street Bellefonte, PA 16823 814-355-4731

#### **CLEARFIELD COUNTY OFFICE**

1905 Washington Avenue P.O. Box 245 Hyde, PA 16843 814-765-0524

### **CLINTON COUNTY OFFICE**

1054 Ridge Road Mill Hall, PA 17751 570-726-2200

### **ELK COUNTY OFFICE**

32 St. Leo Avenue Ridgway, PA 15853 814-772-0038



4373 William Penn Highway Mifflintown, PA 17059 717-436-2187

### **MCKEAN COUNTY OFFICE**

300 Bingham Road Cyclone, PA 16726 814-465-7754

### **MIFFLIN COUNTY OFFICE**

1200 West Fourth Street Lewistown, PA 17044 717-248-7851

### **POTTER COUNTY OFFICE**

7 West Locust Street Coudersport, PA 16915 814-274-9181



## 188 PLOW TRUCKS 54 LOADERS 6 RADERS 6 RADERS 1 Tow PLOW

### **ADMINISTRATION**

District Executive Thomas A. Prestash

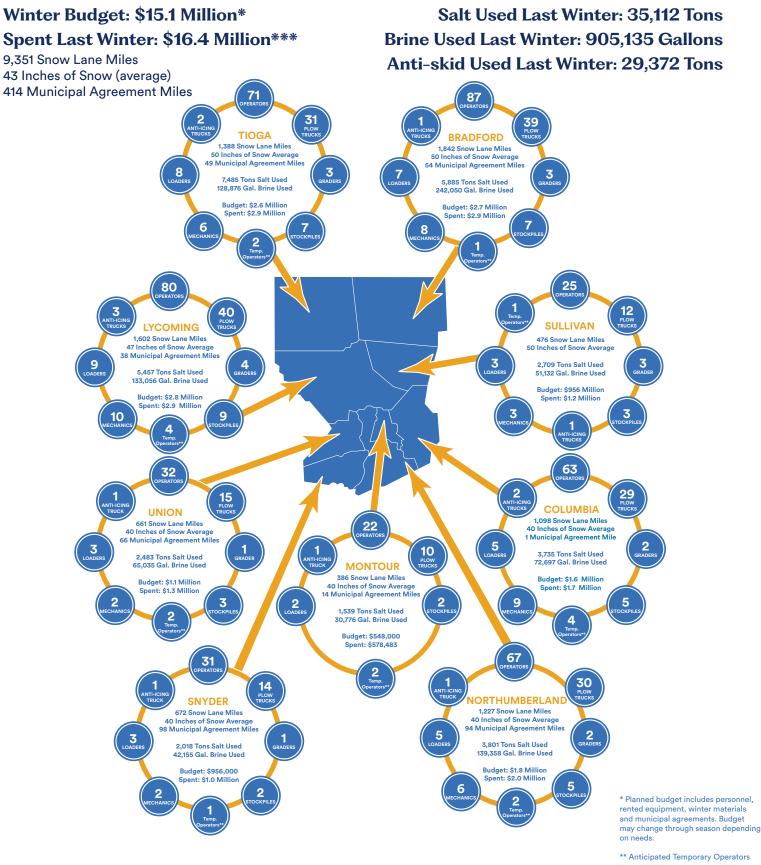
Assistant District Executive/Maintenance Damon Wagner

Community Relations Coordinator Timothy Nebgen

Safety Press Officer Steve Harmic

\*\* Anticipated Temporary Operators

### **DISTRICT 2 TOTALS**



Each county's budget numbers are rounded up. District totals are calculated using actual total number and rounded up.

\*\*\*Budget spent 2023-2024 winter

### **DISTRICT 3 OFFICE**

715 Jordan Avenue Montoursville, PA 17754 570-368-8686

### **BRADFORD COUNTY OFFICE**

340 York Avenue Towanda, PA 18848 570-265-2181

### **COLUMBIA COUNTY OFFICE**

45 Lunger Drive Bloomsburg, PA 17815 570-387-4250

#### LYCOMING COUNTY OFFICE

716 Jordan Avenue Montoursville, PA 17754 570-368-4281

### **MONTOUR COUNTY OFFICE**

45 Lunger Drive Bloomsburg, PA 17815 570-387-4250

### NORTHUMBERLAND COUNTY OFFICE

355 Dewart St. Sunbury, PA 17801 570-286-7178

### **SNYDER COUNTY OFFICE**

45 Industrial Park Road Selinsgrove, PA 17870 570-372-9100



### SULLIVAN COUNTY OFFICE

322 Park Street P.O. Box 128 Laporte, PA 18626 570-946-4031

### **TIOGA COUNTY OFFICE**

6 Berwart Street Wellsboro, PA 16901 570-724-4142

### **UNION COUNTY OFFICE**

612 Fairground Road Lewisburg, PA 17837 570-523-0841

### **DISTRICT 3 TOTALS**



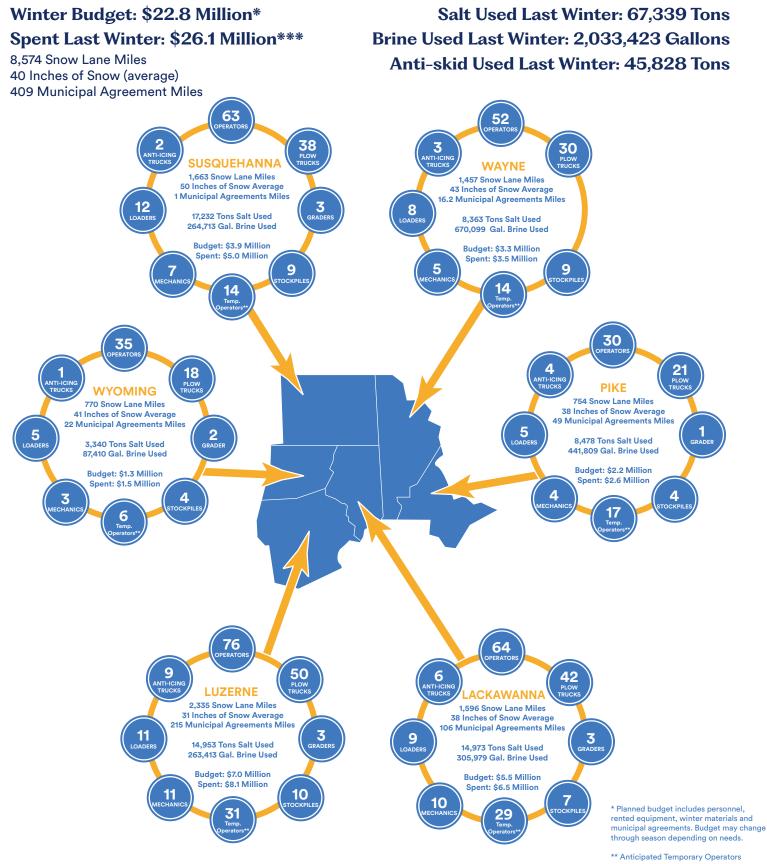
### **ADMINISTRATION**

District Executive Eric High

Assistant District Executive/Maintenance Kenneth Bair

Community Relations Coordinator Maggie Baker

Safety Press Officer Kimberly Smith



Each county's budget numbers are rounded up. District totals are calculated using actual total number and rounded up.

\*\*\*Budget spent 2023-2024 winter

### **DISTRICT 4 OFFICE**

55 Keystone Ind. Park Dunmore, PA 18512 570 963-4061

#### LACKAWANNA COUNTY OFFICE 1034 Morgan Highway Clarks Summit, PA 18411 570 586-2211

LUZERNE COUNTY OFFICE 381 South Main Street Ashley, PA 18706 570-826-2386

**PIKE COUNTY OFFICE** 291 SR 739 Hawley, PA 18428 570-576-3924

#### SUSQUEHANNA COUNTY OFFICE 18786 State Route 706 Montrose, PA 18801 570-278-1171

#### WAYNE COUNTY OFFICE 984 Texas Palmyra Highway Honesdale, PA 18431

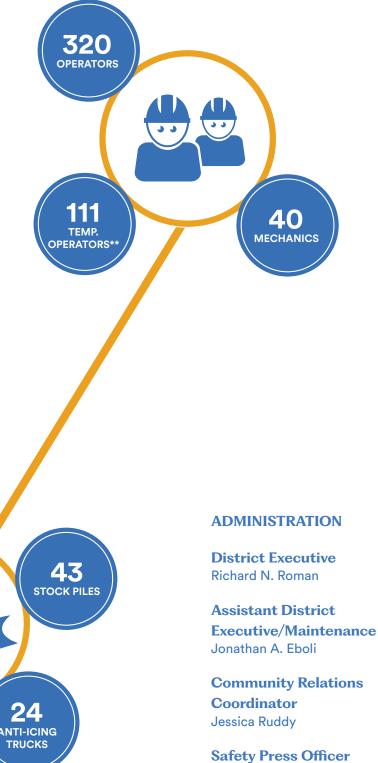
570 253-3130

### WYOMING COUNTY OFFICE

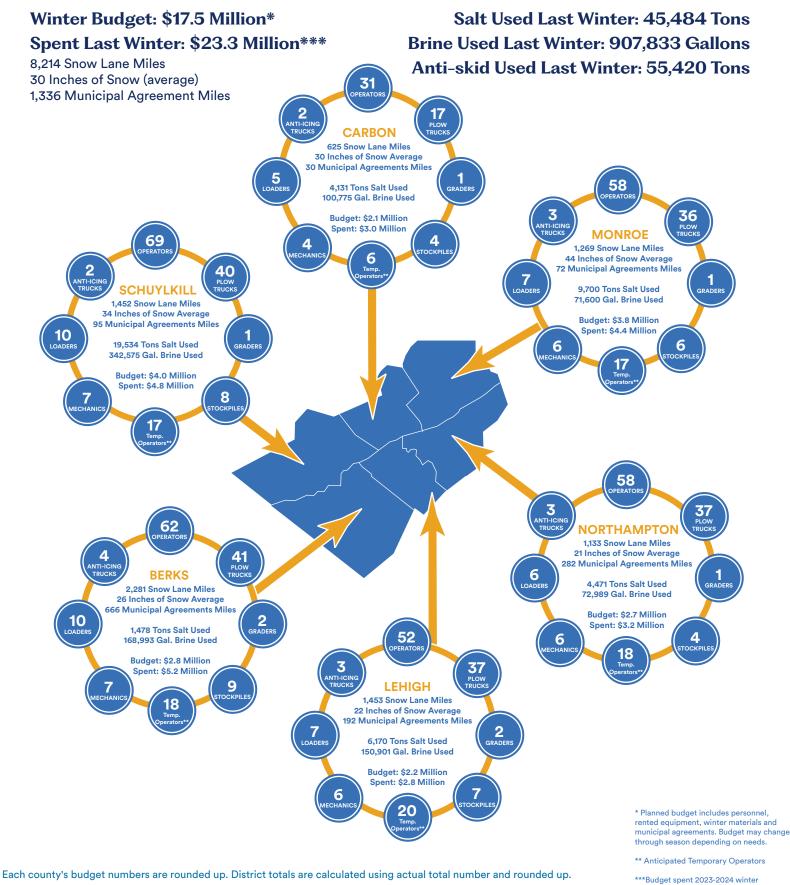
1 Franklin Avenue Tunkhannock, PA 18657 570-836-3141



### **DISTRICT 4 TOTALS**



Elizabeth Fabri



### **DISTRICT 5 OFFICE**

1002 Hamilton Street Allentown, PA 18101 610-871-4100

BERKS COUNTY OFFICE 4680 Fifth Street Highway Temple, PA 19560 610-929-0766

CARBON COUNTY OFFICE 930 Bridge Street Lehighton, PA 18235 610-377-1880

LEHIGH COUNTY OFFICE 1712 Lehigh Street Allentown, PA 18103 610-798-4280

MONROE COUNTY OFFICE 1586 N. 9th Street Stroudsburg, PA 18360 570-424-3024

#### NORTHAMPTON COUNTY OFFICE 3300 Freemansburg Avenue

Easton, PA 18045 610-250-1840

SCHUYLKILL COUNTY OFFICE 970 East Main Street Schuylkill Haven, PA 17972

570-385-7812



### **DISTRICT 5 TOTALS**



Sean Brown



Each county's budget numbers are rounded up. District totals are calculated using actual total number and rounded up.

\*\*\*Budget spent 2023-2024 winter

### **DISTRICT 6 OFFICE**

7000 Geerdes Blvd. King of Prussia, PA 19406 610-205-6700

### BUCKS COUNTY OFFICE

6160 Potters Lane Plumsteadville, PA 18949 215-345-6060

### **CHESTER COUNTY OFFICE**

711 Ryan Boulevard Coatesville, PA 19320 484-340-3200

### **DELAWARE COUNTY OFFICE**

426 S. Old Middletown Rd. P.O. Box B Media, PA 19063 610-566-0972

### **MONTGOMERY COUNTY OFFICE**

Swede Rd. & Johnson Hwy. P.O. Box 350 Norristown, PA 19404 610-275-2368

### PHILADELPHIA COUNTY OFFICE

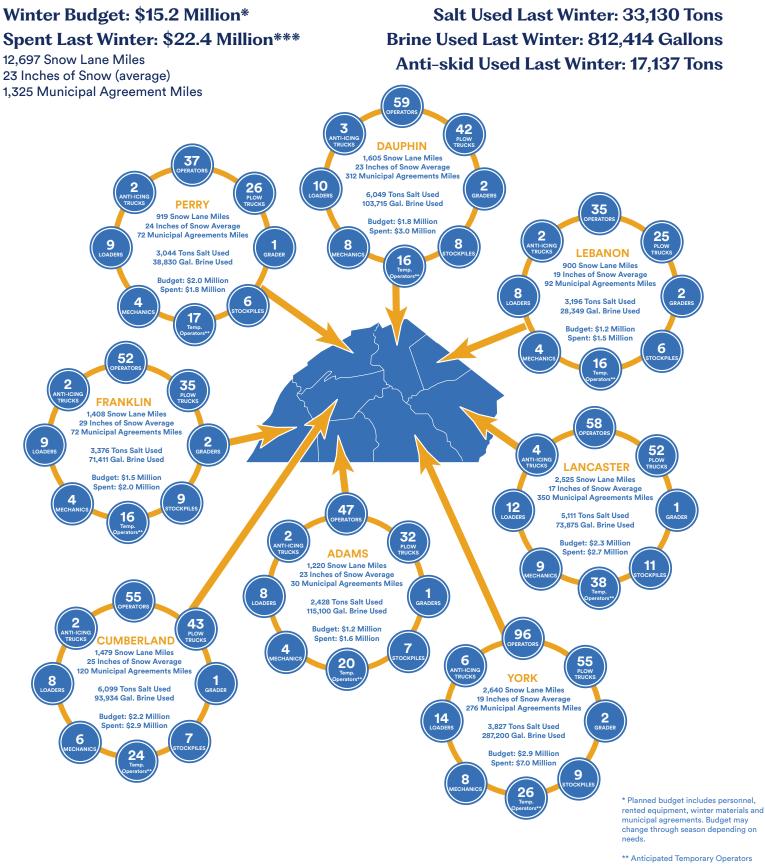
1901 Ruffner Street Philadelphia, PA 19140 215-225-1415



### **DISTRICT 6 TOTALS**



Digital Community Relations Coordinator Jacob McKeown



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\*\*\*Budget spent 2023-2024 winter

### **DISTRICT 8 OFFICE**

2140 Herr Street Harrisburg, PA 17103 717-787-6653

### **ADAMS COUNTY OFFICE**

1185 Fairfield Rd. P.O. Box 3248 Gettysburg, PA 17325 717-334-3155

#### **CUMBERLAND COUNTY OFFICE** 40 Army Heritage Drive Carlisle, PA 17013

717-243-5414

#### **DAUPHIN COUNTY OFFICE** 2140 Herr Street Harrisburg, PA 17103 717-787-5391

### **FRANKLIN COUNTY OFFICE**

619 N. Franklin St. Chambersburg, PA 17201 717-264-4171

### LANCASTER COUNTY OFFICE

2105 Lincoln Highway East Lancaster, PA 17602 717-299-7621

### **LEBANON COUNTY OFFICE**

1445 Cumberland Street Lebanon, PA 17042 717-450-2223



PERRY COUNTY OFFICE

New Bloomfield, PA 17068

413 West Main Street

717-582-2191

York, PA 17404

717-848-6230

### **DISTRICT 8 TOTALS**



### **ADMINISTRATION**

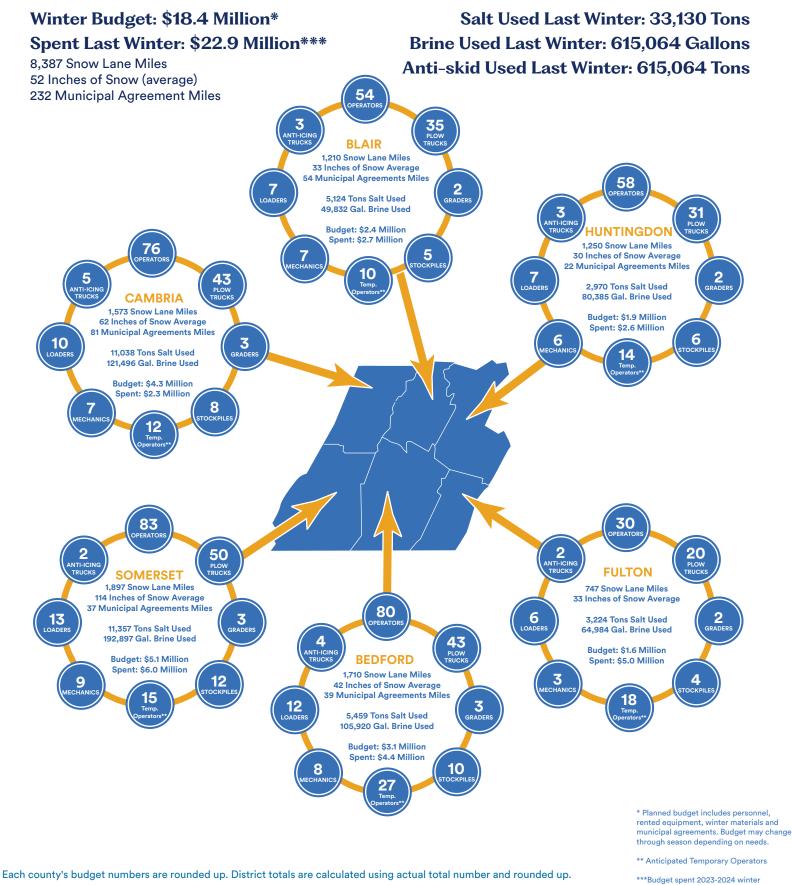
**District Executive** Chris Kufro

**Assistant District Executive/Maintenance** Dale Good

**Community Relations Coordinator Dave Thompson** 

**Assistant Community Relations Coordinator Mike Crochunis** 

**Safety Press Officer** Fritzi Schreffler



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### **DISTRICT 9 OFFICE**

1620 North Juniata Street Hollidaysburg, PA 16648 814-696-7250

BEDFORD COUNTY OFFICE 630 East Penn Street Bedford, PA 15522 814-623-6144

BLAIR COUNTY OFFICE 1598 North Juniata Street Hollidaysburg, PA 16648 814-696-7270

CAMBRIA COUNTY OFFICE 4595 Admiral Peary Highway Ebensburg, PA 15931 814-472-7100

FULTON COUNTY OFFICE 22907 Great Cove Road McConnellsburg, PA 17233 717-485-3816

HUNTINGDON COUNTY OFFICE 8763 William Penn Highway Huntingdon, PA 16652 814-643-0150

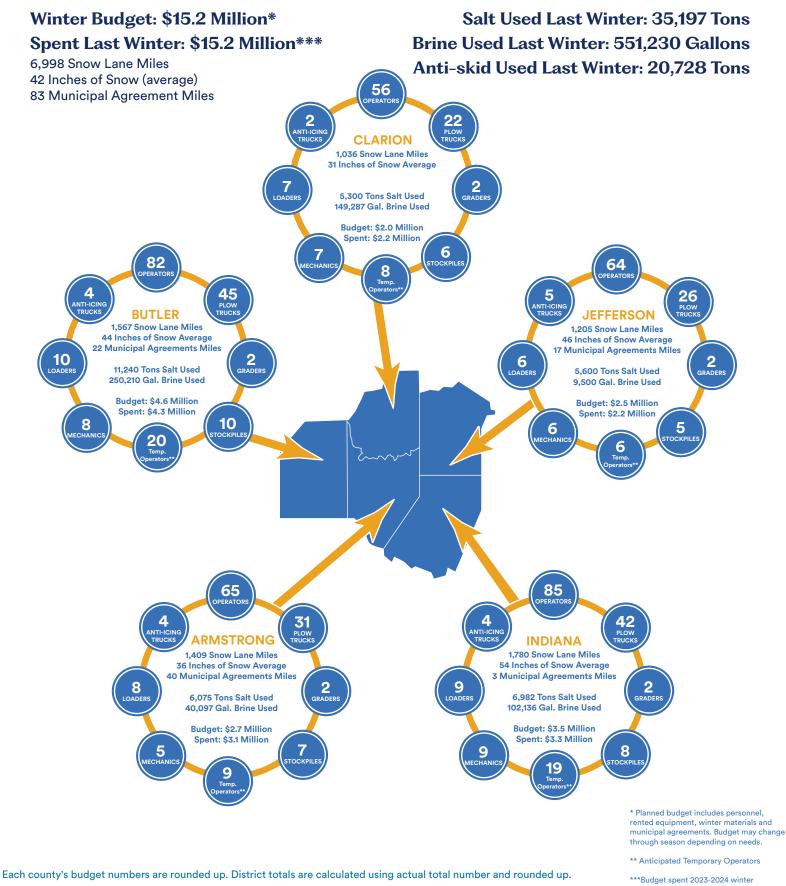
SOMERSET COUNTY OFFICE 1312 North Center Avenue Somerset, PA 15501

814-445-7905



### **DISTRICT 9 TOTALS**





### **DISTRICT 10 OFFICE**

2550 Oakland Ave. Indiana, PA 15701 724-357-2800

724-543-1811

#### ARMSTRONG COUNTY OFFICE 504 S. Water St. Kittanning, PA 16201

BUTLER COUNTY OFFICE 351 New Castle Road Butler, PA 16001 724-284-8800

CLARION COUNTY OFFICE 21057 Paint Boulevard Shippenville, PA 16254 814-226-8200

#### INDIANA COUNTY OFFICE 2550 Oakland Ave. Indiana, PA 15701 724-357-2817

#### JEFFERSON COUNTY OFFICE 205 Witherow St. Purysutawney, PA 15767

Punxsutawney, PA 15767 814-938-6300





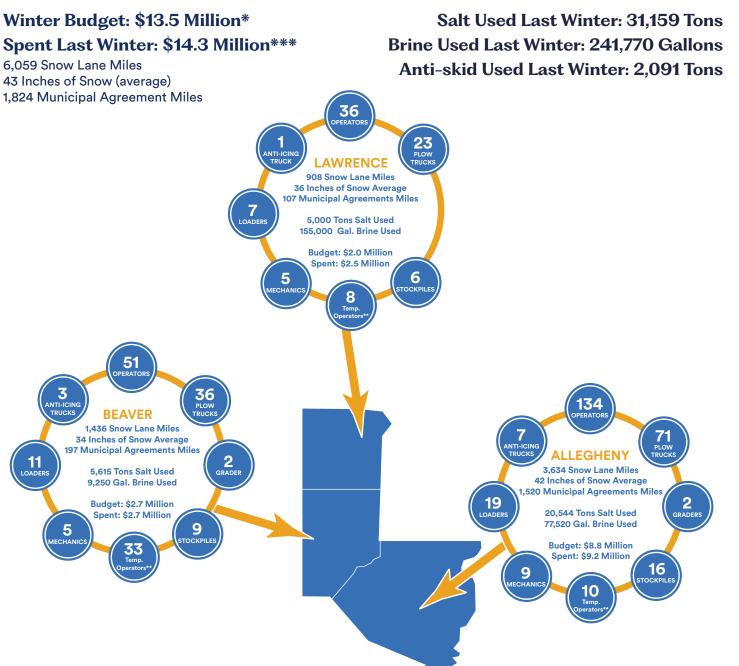
### **ADMINISTRATION**

District Executive Brian N. Allen

Assistant District Executive/Maintenance Matthew J. Burkett

**Community Relations Coordinator** Christina "Tina" Gibbs

### **DISTRICT 10 TOTALS**



\* Planned budget includes personnel, rented equipment, winter materials and municipal agreements. Budget may change through season depending on needs.

\*\* Anticipated Temporary Operators

\*\*\*Budget spent 2023-2024 winter

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### **DISTRICT 11 OFFICE**

45 Thoms Run Rd. Bridgeville, PA 15017 412-429-5000

#### ALLEGHENY COUNTY OFFICE 51 Fox Chapel Road Pittsburgh, PA 15238

412-781-3260

**BEAVER COUNTY OFFICE** 155 Stewart Avenue Rochester, PA 15074 724-774-6610

#### LAWRENCE COUNTY OFFICE 1800 Wilmington Road New Castle, PA 16105 724-656-3104







### **ADMINISTRATION**

District Executive Jason Zang

Assistant District Executive/Maintenance Lori Musto

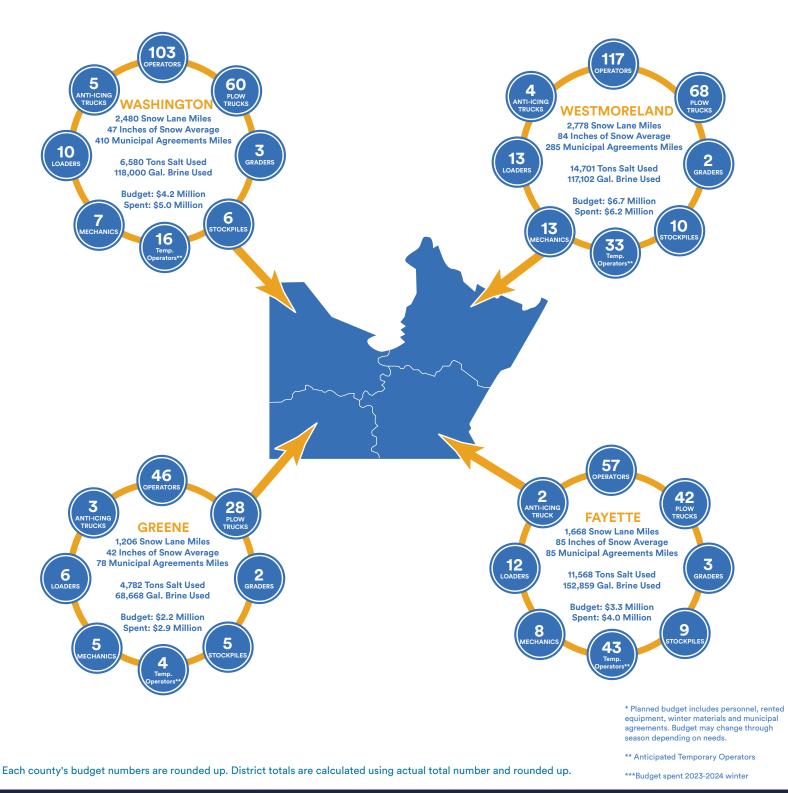
Press Officer Steve Cowan

Community Relations Coordinator Nicole Haney

Safety Press Officer Yasmeen Manyisha

### Winter Budget: \$16.1 Million\* Spent Last Winter: \$18.8 Million\*\*\*

8,143 Snow Lane Miles 84 Inches of Snow (average) 870 Municipal Agreement Miles Salt Used Last Winter: 36,030 Tons Brine Used Last Winter: 505,902 Gallons Anti-skid Used Last Winter: 31,042 Tons



### **DISTRICT 12 OFFICE**

825 N. Gallatin Ave. Ext. Uniontown, PA 15401 724-439-7315

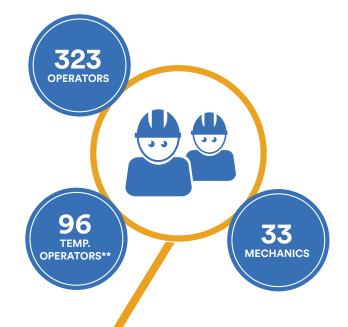
#### FAYETTE COUNTY OFFICE 825 N. Gallatin Ave. Ext. Uniontown, PA 15401 724-439-7470

**GREENE COUNTY OFFICE** 129 Jefferson Road Waynesburg, PA 15370 724-627-6131

WASHINGTON COUNTY OFFICE 170 Route 519 Eighty Four, PA 15330 724-223-4480

#### WESTMORELAND COUNTY OFFICE 144 Donohoe Road Greensburg, PA 15601

724-832-5387





### **ADMINISTRATION**

District Executive Rachel D. Duda

Assistant District Executive/Maintenance Robert C. Dean

Press Officer Laina Aquiline

**Community Relations Coordinator** Melissa Maczko

Safety Press Officer Emily Swecker

\*\* Anticipated Temporary Operators

**DISTRICT 12 TOTALS** 



## Pennsylvania Department of Transportation