

Northern VA Winter Snow & Ice Survey

- 11/27/2019 – **NOT FOR DISTRIBUTION**

Welcome, and thank you for participating in this important research survey. Please be candid and honest in your responses. There are no “right” or “wrong” answers. We are interested in your unique perspective and opinions.

S1. Are you:

- Female
- Male
- Non-binary / third gender
- Prefer not to answer
- Prefer to self-describe: _____

S2. Which of the following categories includes your age?

- Under 18 **[END SURVEY]**
- 18 to 20 **[END SURVEY]**
- 21 to 24
- 25 to 34
- 35 to 44
- 45 to 54
- 55 to 64
- 65 to 74
- 75 or older
- Prefer not to answer

S3. Do you live in the state of Virginia?

- Yes
- No **[END SURVEY]**

S4. Which of the following best describes where you live (county or city or town)?

- Alexandria
- Arlington County
- City of Manassas
- City of Manassas Park
- Town of Clifton
- Town of Dumfries
- Fairfax (city of)
- Fairfax (county of)
- Falls Church
- Town of Haymarket
- Town of Hamilton
- Herndon
- Town of Hillsboro
- Town of Leesburg
- Loudoun County
- Town of Lovettsville
- Town of Middleburg
- Town of Occoquan
- Prince William County
- Town of Purcellville
- Town of Round Hill
- Vienna
- None of the above **[END SURVEY]**

S5. Which of the following describes your ethnicity? (Please select all that apply.)

- African American / Black
- American Indian / Alaska Native
- Asian
- Hispanic / Latino
- Native Hawaiian / Pacific Islander
- White / Caucasian
- Prefer not to answer
- Other: _____

Q1. What type of residence do you live in?

- Apartment
- Condominium
- Townhouse
- Single family home
- Other (e.g., dorm, group home, etc.): _____

Q2. How many years have you lived in the northern Virginia area?

- Less than 1 year
- 1 to 3 years
- 4 to 9 years
- 10 to 19 years
- 20 or more years

Q3a. How do you get to work or other destinations on a regular basis? (May select more than one if applicable.)

- Personal vehicle
- Carpool / vanpool
- Bus
- Commuter rail (VRE)
- Metro
- Bicycle
- Walk
- I do not need to leave my residence on a daily / regular basis
- Other: _____

Q3b. Do you currently commute to work?

- Yes
- No / not employed outside the home **[SKIP TO Q3e]**

Q3c. Does your employer allow you to work from home when there is a winter storm event?

- Yes
- No **[SKIP TO Q3e]**
- Maybe, if there is very severe weather

Q3d. How often do you work from home rather than commuting to avoid snowy and icy conditions during or shortly after a winter storm event?

- Always or most of the time
- Frequently
- Sometimes
- Occasionally
- Rarely
- Never

Q3e. When it comes to non-work activities outside the home (e.g., going to a restaurant, shopping, going to the gym, etc.), how often do you avoid or postpone these activities during and shortly after a winter storm event?

- Always or most of the time
- Frequently
- Sometimes
- Occasionally
- Rarely
- Never

Q3f. During winter weather, how safe would you say the roads are in your area?

- Very safe
- Somewhat safe
- Not very safe
- Not at all safe
- Depends / varies too much to say
- Have no idea

Q4a. When there is a winter storm event, how do you feel about the response time for removing snow and ice from interstate highways and major commuter routes (such as Route 7, Route 1, Fairfax County Parkway, etc.) in your area?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very dissatisfied
- Depends / varies too much to say
- Not sure

Q4b. Over the course of the winter, what are your thoughts about the amount of salt applied to interstate highways and major commuter routes in your area?

- More than necessary
- Less than necessary
- About the right amount
- Depends / varies too much to say
- Have no idea

Q5a. When there is a winter storm event, how do you feel about the response time for removing snow and ice from local roads and neighborhood streets in your area?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very dissatisfied
- Depends / varies too much to say
- Not sure

Q5b. Over the course of the winter, what are your thoughts about the amount of salt applied to local roads and neighborhood streets in your area?

- More than necessary
- Less than necessary
- About the right amount
- Depends / varies too much to say
- Have no idea

Q6a. During winter weather, how safe would you say parking lots and sidewalks at stores, restaurants, and/or other places are in your area?

- Very safe
- Somewhat safe
- Not very safe
- Depends / varies too much to say
- Have no idea

Q6b. When there is a winter storm event, how do you feel about the response time for removing snow and ice from parking lots and sidewalks at stores, restaurants, and/or other places of business that you visit in your area?

- Very satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very dissatisfied
- Depends / varies too much to say
- Not sure

Q6c. Over the course of the winter, what are your thoughts about the amount of salt applied to parking lots and sidewalks at stores, restaurants, and/or other places of business that you visit in your area?

- More than necessary
- Less than necessary
- About the right amount
- Depends / varies too much to say
- Have no idea

Q7. Which of the following are you (or a family member) most likely to do when snow accumulates at your residence (e.g., on your driveway and/or sidewalks)?

- Shovel the snow myself (or a family member does it)
- Use a snow blower myself (or a family member does it)
- Pay someone from the neighborhood to clear the snow
- Hire a snow removal service / company to handle it
- Don't bother clearing the snow (just let it melt)
- Not applicable to me (e.g., landlord or condominium service handles it)
- Other: _____

Q8a. During snowy and icy conditions, how often (if at all) do you (or a family member) apply deicer (e.g., salt) at your residence?

- Always or most of the time
- Frequently
- Sometimes
- Occasionally
- Rarely **[SKIP TO Q9]**
- Never **[SKIP TO Q9]**

Q8b. Do you (or a family member) typically apply deicer (e.g., salt) at your residence before, during, or after a winter storm event? (May select more than one response if applicable.)

- Before
- During
- After
- Depends / varies too much to say
- Other: _____

Q9. During snowy and icy conditions, how often (if at all) do you (or a family member) apply an abrasive for traction (e.g., sand) at your residence?

- Always or most of the time
- Frequently
- Sometimes
- Occasionally
- Rarely
- Never

Q10. In general, what do you think about the amount of salt that residents in your neighborhood apply during snowy and icy conditions?

- More than necessary
- Less than necessary
- About the right amount
- Depends / varies too much to say
- Have no idea

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Q11a. In general, how would you rate the impact (if any) on each of the following from using salt for winter storm events? That is, for each item, please indicate if you feel that applying salt for winter storm events has a very positive, somewhat positive, somewhat negative, very negative, or little or no impact on that item. [PROGRAMMING NOTE: RANDOMIZE ORDER IN WHICH ITEMS APPEAR.]

	Very positive impact	Somewhat positive	No Impact or very little impact	Somewhat negative	Very negative impact	Don't know / not sure
Motorist safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pedestrian safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Emergency vehicle safety (e.g., police, fire trucks, ambulances)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Student safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Public bus user safety	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to medical care	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Access to schools	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Economic and civic activity	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Shopping and running errands	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Commuting to work	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Concrete in roads, bridges, driveways, and sidewalks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Exterior or underbody of cars and trucks	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Plants / landscaping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Wildlife / natural habitats	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Local streams / waterways	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Potomac River and Chesapeake Bay	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Groundwater	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Gas mileage	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Tap water / drinking water	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Pet's health	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Q11b. If you have any comments about any of your ratings, please explain below:

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Q12a. If you were told that salt used over the course of the winter could have a negative impact on tap water / drinking water, would you be supportive of reducing the amount of salt used on roads, in shopping centers, at places of work, and at other public places?

- Yes
- Maybe / depends on how much
- No, I'd be concerned that there could be an increase in automobile accidents and slip-and-fall injuries
- Other: _____

Q12b. If you were told that salt used over the course of winter needed to be reduced, potentially creating unsafe roads, would you be willing to reduce or eliminate your travels?

- Yes
- Maybe / depends how much
- No
- Other: _____

Q12c. If you were told that salt used over the course of the winter could have a negative impact on tap water / drinking water, would you be willing to reduce the amount of salt you use at your residence?

- Yes
- Maybe / depends on how much
- No, I'd be afraid of a slip-and-fall injury
- Not applicable / don't use salt at my residence
- Other: _____

Q12d. If you were told that applying salt over the course of the winter could have a negative impact on the environment, would you be supportive of reducing the amount of salt used on roads, in shopping centers, at places of work and at other public places?

- Yes
- Maybe / depends on how much
- No, I'd be concerned that there could be an increase in automobile accidents and slip-and-fall injuries
- Other: _____

Q12e. If you were told that applying salt over the course of the winter could have a negative impact on the environment, would you be willing to reduce the amount of salt you use at your residence?

- Yes
- Maybe / depends on how much
- No, I'd be afraid of a slip-and-fall injury
- Not applicable / don't use salt at my residence
- Other: _____

Q13. Do you have any comments about treating snow and ice in the winter that you would like to share?
