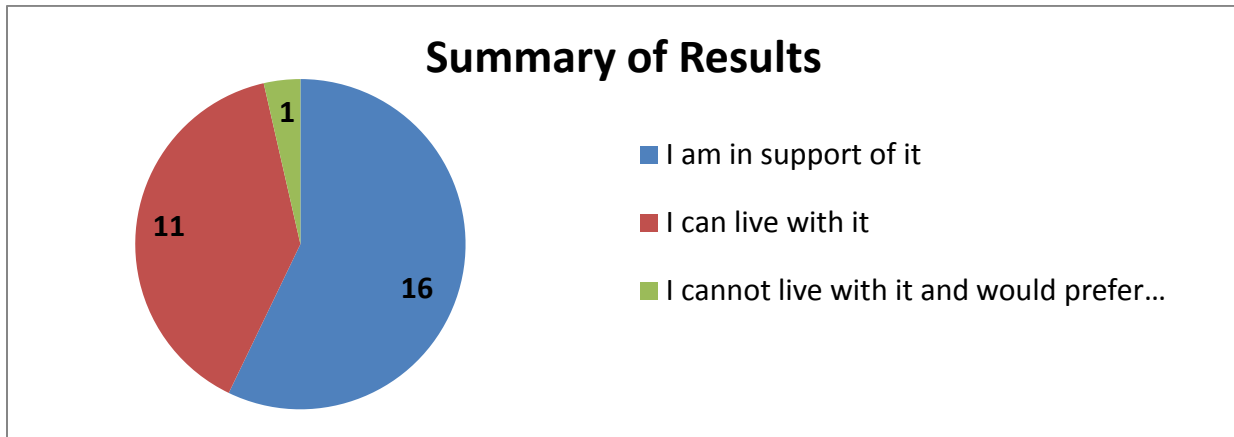


Survey on Workgroups Summary

1. Questions on Workgroup Structure and a Steering Committee

1.A. Question on Workgroup Size Limit:

“DEQ is proposing a limit to the total number of SAC members per workgroup to promote open dialogue and efficient workgroup deliberations. That limit is a 15 member maximum.”

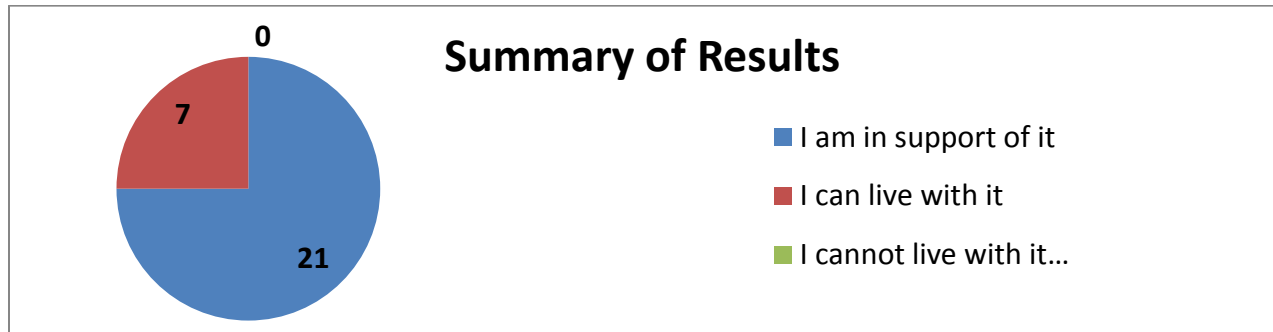


Free Responses:

Response	Additional Feedback
I am in support of it	And time limits for each member when speaking.
I can live with it	As long as there is a prioritization process for picking who will be involved with these groups, I am OK with a limit.
I can live with it	I think limits are fine, I'm just not sure you want to put the DEQ in a position where expertise is limited in a certain area in order to reach the limit target. I'd suggest a "flexible" limit.
I can live with it	I would prefer to participate on the top 3 groups, but know there will be a lot folks in the workgroups 5 and 6 due to the MS4s participation. I recommend that at least 1 representative from every MS4 be prioritized for those groups and this may exceed 15 people.
I can live with it	Ideally, a work group should be 6-10 people for effective meetings, but given the number of interested people, the 15 maximum seems appropriate.
I can live with it	The Chloride TMDL for Accotink Cr. is within Fairfax County, and the SaMS will be a very important resource for the county going forward. In some cases, the county may wish to have multiple perspectives represented, such as operations, MS4 permit coordination, and monitoring represented. Hopefully, the proposed 15 member maximum will not limit the county's ability to engage and participate in each of the workgroups, with key staff involved.
I cannot live with it and would prefer....	While I support having a cap on each working group, 15 may be too low a number. I have led groups of 20+ and by allowing both written input prior to meetings and discussion opportunities during meetings, still provided opportunities for all to participate. A maximum number in the 18-20 range would allow more people to work on their first choice.

1.B. Question on Workgroup Representation from a Single Organization Limit:

“DEQ is proposing a limit to the number of each workgroup's representatives from a single organization to promote diverse and open dialogue. That limit is no more than 2 members from the same organization. NOTE: if scheduling conflicts occur, alternates can attend in place of others. However, during a single meeting the proposed limit is no more than 2 members from the same organization.”



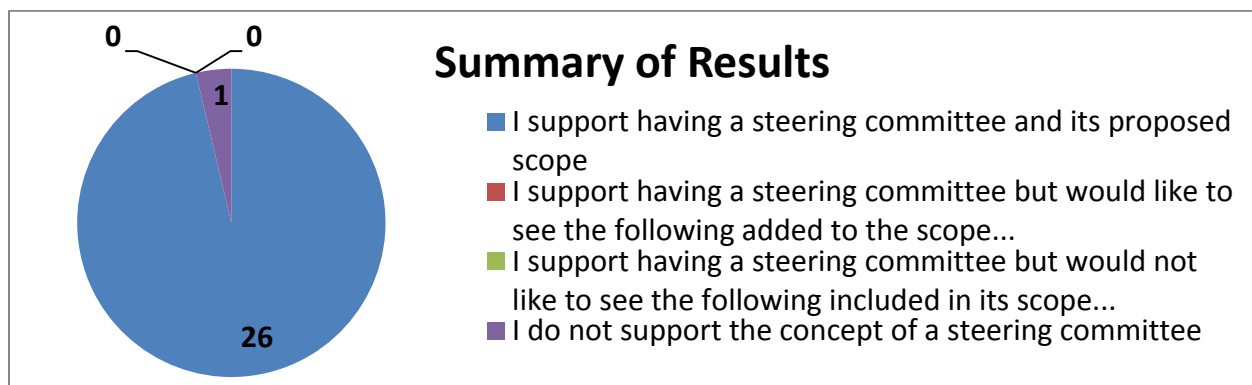
Free Responses:

Response	Additional Feedback
I can live with it	As long as areas of expertise are sufficiently covered, I can live with it.
I can live with it	The Sierra Club, for instance represents many members over a diverse area. Two reps from a single HOA would be repetitive.
I am in support of it	Do basically the same type of organizations count as one? For example, do two homeowner associations each have two members or a total of two across both associations? Who selects the members (the organization or DEQ)?

1.C. Question on the Proposal for a Steering Committee and its Scope:

“Provide your feedback on the description and proposed scope of the steering committee described below. Given the size of the SAC, it may be valuable to have a small and balanced group of SAC members serve on a steering committee. The steering committee may consist of designated representatives from each workgroup, DEQ, and selected additional SAC members to ensure balanced representation. The steering committee would:

- consider the recommendations/outputs of all workgroups
- discuss progress and potential mid-course corrections after the second workgroup meetings
- provide the SAC with overarching recommendations on the strategy as a whole
- discuss time-based performance goals for SaMS implementation, and
- serve as a review committee for the draft strategy prior to being shared publicly.”



Free Responses:

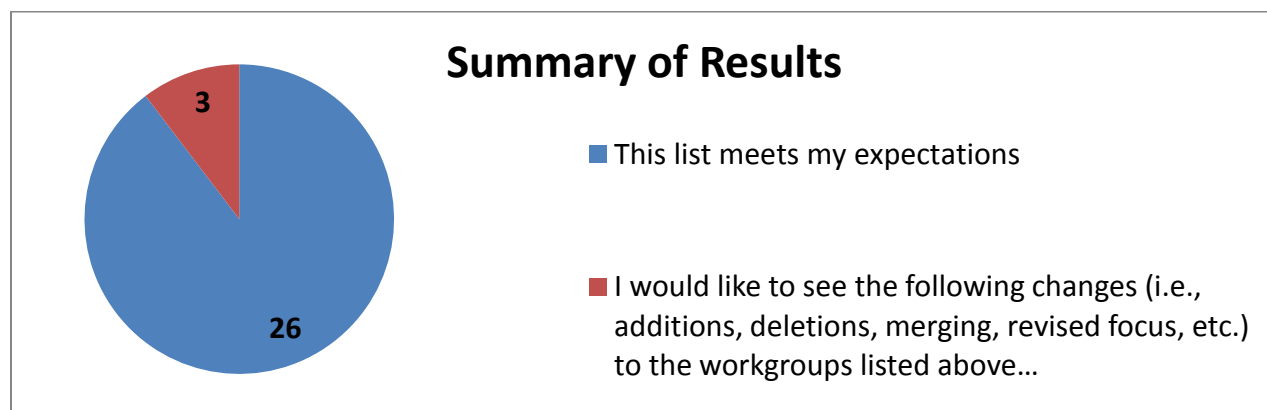
Response	Additional Feedback
I support having a steering committee and its proposed scope	Given the diverse group of individuals, you may have workgroups that have more than one individual that wants to be part of the Steering Committee. You will need to figure out to resolve this potential issue.
I support having a steering committee and its proposed scope	Great idea to have a steering committee with the proposed composition.
I support having a steering committee and its proposed scope	I support staff review of the progress of the process. If it appears that the process is ungainly and focus groups are not communicating clearly or are deadlocked a steering committee might provide unity. A steering committee could prove useful to summarize and present as we near final recommendations.
I support having a steering committee and its proposed scope	I support the steering committee - my concern is the time commitment that will be expected for both the workgroups and steering committee.
I support having a steering committee and its proposed scope	This is a very good idea, and I'd suggest each work group's members get to know each other through a session or two before nominating a delegate to the steering group.
I do not support the concept of a steering committee	This adds a layer of hierarchy that will result in some individuals voices carrying more weight than others. Those who sit on the steering committee would have veto power and could inadvertently squelch innovative solutions. Instead, I suggest an editorial review committee to look for formatting, grammar and spelling errors, before publicly sharing documents, videos, etc .

2. Questions about the Proposed Workgroups

2.A. Question about the proposed list of workgroups:

“The proposed list of Workgroups is below. Does the list of workgroups as currently drafted meet your expectations? If not, please note any suggested changes to the proposed workgroup focus areas/titles.

- Traditional Best Management Practices
- Non-Traditional Practices
- Education and Outreach
- Water Quality Monitoring and Research
- Salt Tracking and Reporting
- Government Coordination”



Free Responses:

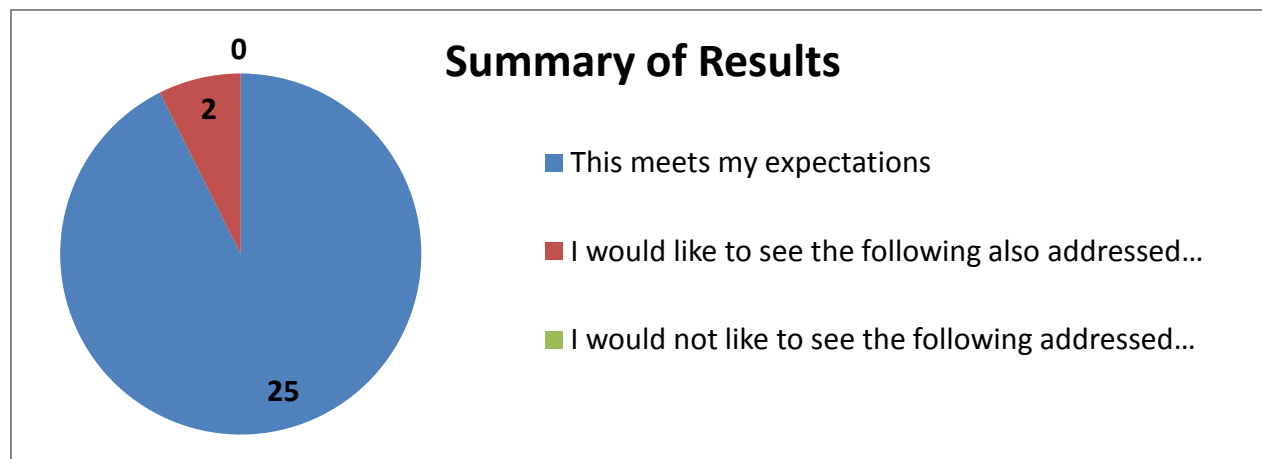
Response	Additional Feedback
This list meets my expectations	As a general principal, but especially in Workgroups #1 and #5, I'd like to see mention of institutionalizing Continuous Process Improvement (CPI), perhaps alongside each mention of BMP's, to emphasize the point that there is no one-time step to take on best practices, but, rather, it takes a continuous effort to keep improving. Quality Management Systems (QMS) references such as ISO 18091:2014 and CMMI are useful for describing how CPI should be approached. It could be that QMS is a better acronym to use than CPI in this area, or other vocabulary: I'm not wedded to a particular label for the concept.
I would like to see the following changes (i.e., additions, deletions, merging, revised focus, etc.) to the workgroups listed above...	#5 doesn't seem like a substantive or complex issue - and could be rolled into #1?
I would like to see the following changes (i.e., additions, deletions, merging, revised focus, etc.) to the workgroups listed above...	Requiring training and certification of truck drives/spreaders; requiring calibration of all vehicles/spreaders. Convincing state agencies and the legislature to fund research on approaches that do not put excess salt or other substances into the water and land.
I would like to see the following changes (i.e., additions, deletions, merging, revised focus, etc.) to the workgroups listed above...	Where do School Systems fit into this? Where do Park properties fit into this (National Park Service, Northern Virginia Regional Park Authority, Fairfax County Park Authority?)

2.B. Question about the Proposed Scope of the Traditional Best Management Practices Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.

Workgroup #1: Traditional Best Management Practices (BMPs): This group will be tasked to discuss and offer recommendations on BMPs such as, but not limited to, the following:

- Best management practices (such as, but not limited to, equipment calibration, snow plowing equipment/techniques, varying product/application with weather conditions, integrate liquids, training, removing excess salt after storm events, etc.)
- Funding options/sources to support implementation
- Incentive opportunities (financial and non-financial)to support implementation”



Free Responses:

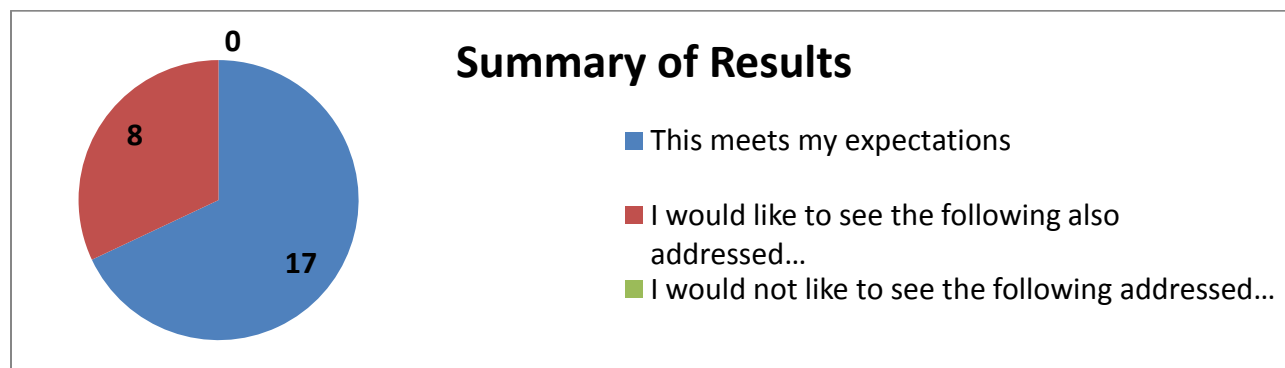
Response	Additional Feedback
This meets my expectations	Although other descriptive practices maybe developed or included that are not listed as this group goes through this exercise. As well the scope may increase pending on the research and information that develops from the group.
I would like to see the following also addressed...	Continuous process improvement as an institutionalized requirement to keep reducing unnecessary application of salt or other pollutants by Govt agencies and contractors.
I would like to see the following also addressed...	Looking outside the box for BMP where changes have already been implemented successfully. It will be important to understand how a program was structured in another state or city that has resulted in improved practices. It will be helpful to be able to understand how other programs measured success of their efforts and whether the targets were achieved. An understanding of how to measure the success of any efforts should be determined early on in the process.

2.C. Question about the Proposed Scope of the Non-Traditional Best Management Practices Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.

Workgroup #2: Non-Traditional Practices: This group will be asked to discuss and offer recommendations for areas such as:

- Non-traditional management practices (such as, but not limited to, lower levels of service, alternative pavement type, certification/training programs, etc.)
- Legislative initiatives (such as, but not limited to, winter speed limits, slip and fall liability protection for certified applicators, etc.)
- Funding options/sources and financial incentive to support implementation”



Free Responses:

Response	Additional Feedback
This meets my expectations	I see this group being challenged with this task, and restricted with/to outcomes that will make an impact.
I would like to see the following also addressed...	Again, looking outside the box to understand how others have successfully implemented this and how success was measured.
I would like to see the following also addressed...	Urgency of service (tied to lower levels of service, but not quite): length of target period, depending on total snowfall, after which roads are expected to be clear.
I would like to see the following also addressed...	Identification of alternatives to salt and jurisdictions that have taken those approaches.

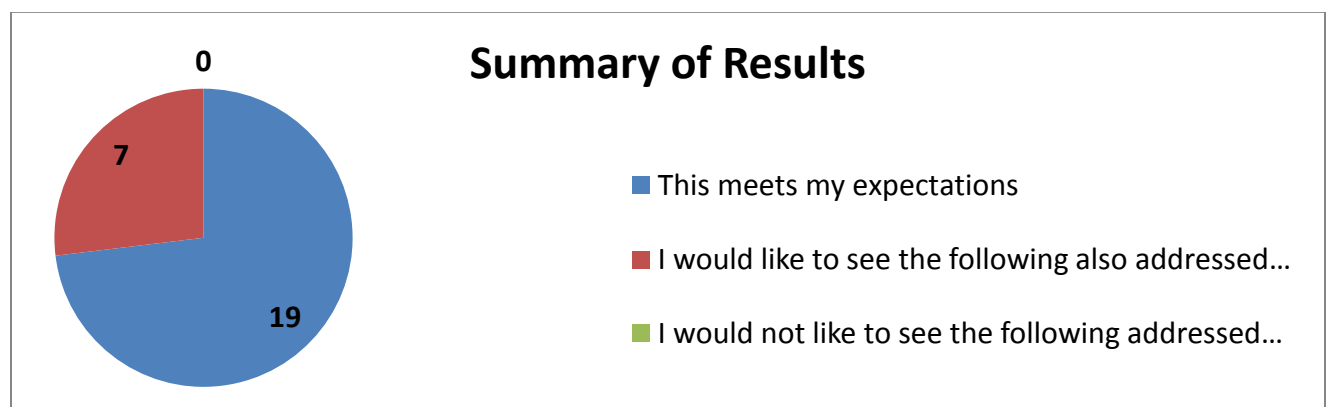
Response	Additional Feedback
I would like to see the following also addressed...	Either in Traditional BMPs or Non-Traditional BMPs consideration should be given to the use of Decision Support Systems for maintenance actions (MDSS) as well as the use of other tools (pavement & atmospheric sensors, AVL/GPS, etc.) and techniques (snowplow rout optimization algorithms); all of which may help the snowfighters do their jobs better.
I would like to see the following also addressed...	Ensure the potential drawbacks of lower levels of service are clearly communicated to citizens, government agencies and property owners/management. This may fall under #6 - moving government entities away from legacy RFP and contracting methodologies that do not foster more efficient use of de-icing chemicals.
I would like to see the following also addressed...	Telework Options including incentives for employers who allow employees to telework during inclement weather
I would like to see the following also addressed...	When a non-traditional practice is being considered, the discussion should include how continuous process improvement can be institutionalized as requirement to keep an eye on how the practice must evolve over time, rather than just considering the practice a one-time step.

2.D. Question about the Proposed Scope of the Education & Outreach Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.

Workgroup #3: Education and Outreach: This group will be asked to discuss and offer recommendations for areas such as:

- An Overall Education and Outreach Plan
 - Goals and Objectives
 - Roles and Resources
- Targeted Audience-Specific Communications
 - Private/Commercial Property Owners/Managers
 - Political leaders
 - Large Institutional Property Owners/Managers
 - Homeowner Associations
 - Winter Maintenance Professionals - Applicators
- General Public Outreach/Education (such as, but not limited to, social media and traditional media awareness and engagement, develop basic deicer best practices for homeowner, etc.)
- Refine, as appropriate, report on the impacts of salt on environment, infrastructure, personal property, and public health
- Funding sources/options to support this effort”



Free Responses:

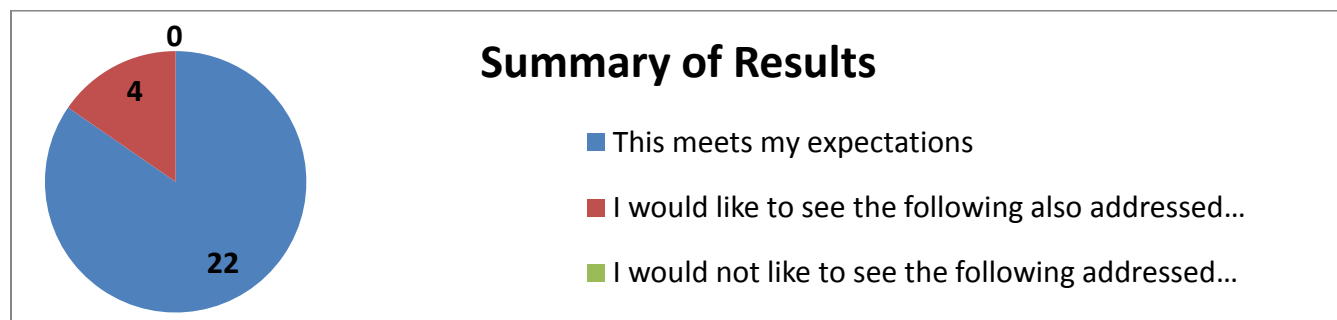
Response	Additional Feedback
This meets my expectations	This group has the potential of making the largest impact to this project in terms of reduction of salt usage and salt impacts to the environment.
I would like to see the following also addressed...	All realtors and developers; landscaping industry
I would like to see the following also addressed...	Establishing measures to determine the success of different outreach efforts will be important. It should however be more than just the number of views. Again looking outside the box to successful efforts of others will be important. Why re-invent the wheel?
I would like to see the following also addressed...	Local and regional Chambers of Commerce, Fairfax County Federation of Citizens Associations, District Councils, and other Umbrella Homeowners Associations.
I would like to see the following also addressed...	public service announcements for radio and local TV
I would like to see the following also addressed...	Students and educational institutions.
I would like to see the following also addressed...	There is educational work to do in the area of setting realistic expectations, both in the public sector and in the commercial marketplace for what can and should be expected from various chloride and non-chloride product applications. There is also work to do from within the Snow & Ice industry regarding truthful advertising. "Safer than Salt" claims have fueled a false sense of environmental safety that isn't accurate or productive.

2.E. Question about the Proposed Scope of the Water Quality Monitoring and Research Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.

Workgroup #4: Water Quality Monitoring and Research: This group will be asked to discuss and offer recommendations for areas such as:

- Ambient water quality monitoring
 - Review existing WQ monitoring information and suggest enhancements
 - Location, frequency and WQ monitoring parameters
 - Government, private, and voluntary monitoring
 - Assess the best ways to study salt loads and sources in the region’s watersheds
- Monitoring Effectiveness of BMPs, such as developing a study design to capture effectiveness
- Reporting Framework for WQ Data on Salts to summarize and communicate data for outreach, tracking trends and reporting to national data sets
- Funding sources to support this effort”



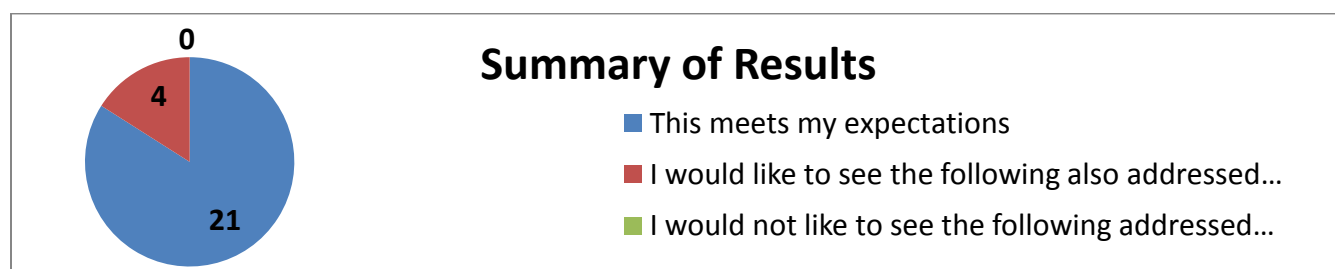
Free Responses:

Response	Additional Feedback
This meets my expectations	We can provide detailed feedback prior to this group meeting, if you'd like additional input before this group meets.
This meets my expectations	This group should ensure that research material and data is made aware of and distributed to the general public, State Officials and to aid the Education/Outreach group.
I would like to see the following also addressed...	Adequacy of current clean water standards
I would like to see the following also addressed...	Engagement with Arlington Regional Master Naturalists and Master Gardeners of Northern Virginia to enlist their support
I would like to see the following also addressed...	We badly need to understand origin, transport and fate of salts in these watersheds and the varying relationships to Specific Conductance - these are very poorly understood. The bullet on BMPs does not make any sense to me as written.

2.F. Question about the Proposed Scope of the Salt Tracking and Reporting Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.
 Workgroup #5: Salt Tracking and Reporting: This group will discuss and offer recommendations for areas such as:

- Salt use tracking
 - Internal business record keeping
 - Uniform metrics for data comparability
- BMP Tracking
 - Process for tracking iterative BMP adoption
 - Monitoring success of BMP adoption
- Reporting of salt use data for region-wide trend analyses and to DEQ
- Funding sources to support this effort”



Free Responses:

Response	Additional Feedback
I would like to see the following also addressed...	I'd like to see either an additional sub-bullet under BMP Tracking that emphasizes continuous process improvement, or change the first sub-bullet to something like, "Process for tracking iterative BMP adoption for continuous improvement."
I would like to see the following also addressed...	Review of location of BMP's near highest development concentrations - eg business centers, Beltway and major highways. Possible retrofitting of culverts which drain these areas to better contain salt runoff.
I would like to see the following also addressed...	This suggestion applies to all categories. Release of data to the public should be required as part of the process. This can be done anonymously.

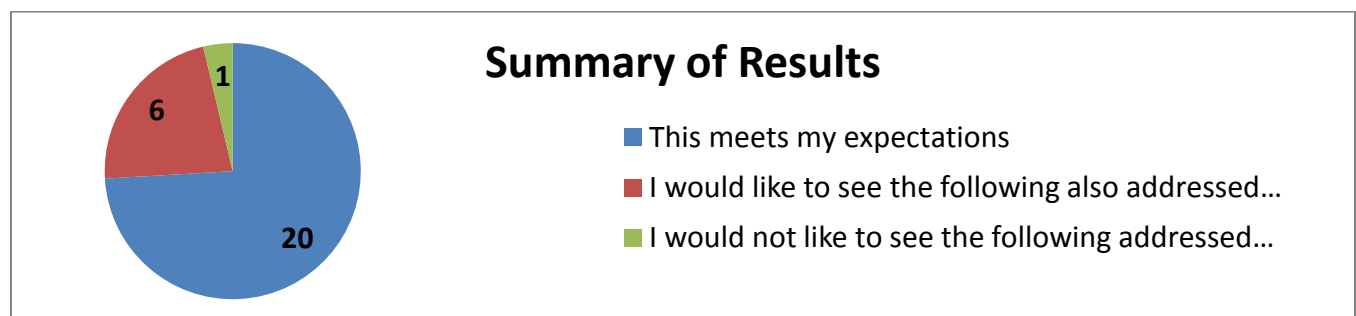
2.G. Question about the Proposed Scope of the Government Coordination

Workgroup:

“Provide your feedback on the description and proposed scope of the workgroup described below.

Workgroup #6: Government Coordination: This group will likely include participants representing local government and institutional MS4 permittees, State agencies, public safety, and public water supply purveyors. They will be asked to discuss and offer recommendations for areas such as:

- Folding SaMS into existing government processes/operations
 - Impacts from proposed actions on existing programs/ordinances/initiatives
 - MS4 Permits
 - Other Watershed Restoration/Action plans
 - Government Road and Property Management contracts/operations
- Funding options/sources for implementation”



Free Responses:

Response	Additional Feedback
This meets my expectations	I still echo my previous comments that this project should not be defined just to Northern Virginia but rather to the whole State.
I would like to see the following also addressed...	Coordinating with county governments in Northern Virginia (Arlington, Fairfax, Loudon, Fauquier, etc)
I would like to see the following also addressed...	I could see other workgroups' efforts meshing with this one. For example, the legislative aspects from Workgroup #2, and the elected official and public education aspects from Workgroup #3. Hopefully through the steering committee they'll be the ability to cross-collaborate or to rotate issues to other workgroups for their deliberation.
I would like to see the following also addressed...	Include in MWCOG agencies; Forwarding copies of the SaMS Workgroup process and materials to local government officials so they can follow progress. Somewhat surprised that staff members from local elected official offices are not included in this valuable effort.
I would like to see the following also addressed...	strengthening current regs, standards and enforcement
I would like to see the following also addressed...	Where do School Systems fit into this? Where do Park properties fit into this (National Park Service, Northern Virginia Regional Park Authority, Fairfax County Park Authority?)
I would not like to see the following addressed...	MS4. That process already exists and allows for adaptive, iterative management for the permittee to meet its WLA. It is not likely that the SAMS will be maintained as a living document with timely updates to adjust and adapt to advances in technology, BMPs, weather-tracking and forecasting. It will likely be out-of-date the day it is published. Therefore, the SAMS should serve as guidance for practitioners, rather than a regulatory mechanism.