

# Road Weather Management Performance Measures (2015 Survey)

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# RWMP Performance Measures

**Objective 1: Build and sustain relationships with multi-disciplinary partners to expand RWM deployments**

**PM #1: Number of agencies participating in road weather R&D projects**

**PM #2: Number of agencies participating in and benefiting from road weather management stakeholder meetings/workshops**

**Objective 2: Ensure road weather management investments improve highway performance**

**PM #3: Number of agencies that collect and report road weather-related performance measures to the public (i.e. winter severity index, mobility index, etc.)**

**PM #4: Number of agencies that have a process for evaluating the return on investment (ROI) or net benefit of their road weather management investments**

**PM #5: Reductions in agency costs of weather-related maintenance and operations activities**

**PM #6: Reduction in number and types of fatalities and crashes attributed to adverse weather nationally**

**PM #7: Reduction in the extent of capacity losses and delays due to fog, snow, and ice events including freight**

**PM #8: Increase in travel time reliability or decrease in variability due to road weather management strategies during adverse weather scenarios**

**PM #9: Reduction in the number of tons of salt or chemical usage in the U.S. normalized by Winter Severity Index**

**Objective 3: Transportation, weather, and research communities use and rely upon fixed and mobile road weather observations**

**PM #10: Number of State DOTs that are participants in the MADIS program**

**PM #11: Number of State DOTs that subscribe to road weather products and services**

**PM #12: Number of State DOTs collecting mobile observations of road weather data from appropriate vehicle fleets**

**PM #13: Number of State DOTs reporting the use of ESS in operations and maintenance activities**

**Objective 4: Advance the state-of-the-art for mobile sensing and integrating vehicle data into road weather applications**

**PM #14: Number of/percentage of responding agencies using mobile data-based applications in road weather management**

**Objective 5: Advance the state-of-the-practice by promoting tailored management strategies for different regions**

**PM #15: Number of States disseminating weather advisory and other road weather information to travelers**

**PM #16: Number of agencies using control and treatment strategies during weather events**

**PM #17: Number of agencies that have participated in or conducted RWM capability maturity assessment exercises**

**PM #18: Number of agencies that coordinate with their local forecast offices for road weather management and operations**

**Objective 6: Weather-related decision support technologies are integrated into traffic operations and maintenance procedures**

**PM #19: Number of agencies adopting MDSS technologies and methods**

**PM #20: Number of agencies using other weather-related decision-support tools**

**PM #21: Number of agencies reporting use of appropriate analysis tools to factor weather impacts and strategies**

**Objective 7: Advance the state-of-the-practice by raising road weather capabilities and awareness across the transportation and weather communities**

**PM #22: Number of agencies and attendees who have taken any of the training courses and workshops sponsored by the RWMP**

**PM #23: Number of agencies and participants in road weather management webinars led by the RWMP**

**PM #24: Number of meetings, site visits or venues where road weather management presentations/briefings were made**

**PM #25: Number of hits/visits to RWMP websites**

**Objective 8: Operations community is engaged with climate change & sustainability communities**

**PM #26: Number of public agencies meeting sustainability criteria related to road weather management**

**PM #27: Number of agencies conducting vulnerability/risk assessments, developing/implementing resiliency plans or adaptation plans, for their road weather management infrastructure and processes to respond to climate change and extreme weather**



# Road Weather Information Dissemination Strategies by State DOT's

