

# Western Regional Water Commission

## STAFF REPORT

**DATE:** January 10, 2018

**TO:** Chairman and Members, Western Regional Water Commission (“WRWC”)

**FROM:** Chris Wessel, WRWC Water Management Planner  
Tim Bardsley, Senior Service Hydrologist, National Weather Service

**SUBJECT:** Report on the predictability of winter weather patterns, seasonal changes, and potential hazards which may impact the local community, and affect regional water resource planning and other regional planning efforts.

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### SUMMARY

Regional water resource planning efforts currently include a number of projects which are significantly influenced by local weather patterns and events, e.g., the Long-Term Precipitation Gauge Monitoring Program, the Washoe ET Project, and the Desert Research Institute Cloud Seeding Project. Additionally, changes in weather patterns have the potential to increase localized flooding. Flood control is a planning element required and included in the Comprehensive Regional Water Management Plan, and the subject of regional planning efforts by other local entities such as the Truckee River Flood Management Authority, and the Truckee Meadows Regional Planning Agency.

Tim Bardsley, Senior Service Hydrologist for the National Weather Service will present a report on the predictability of winter weather patterns, seasonal outlooks and larger hazards such as atmospheric rivers, floods, and blizzards which impact the local community, and influence the regional planning efforts noted above, and other planning projects.

CW:jp