The attached document was submitted to the Washoe County Board of Commissioners during the meeting held on 9-12-17 by Dwayne Smith for Agenda Item No. 7 and included here pursuant to NRS 241.020(8).
2017 North Valleys Flood Update

- Update
- Planning for the next 10 months
- Flood response plan for North Valleys
- Closed hydro-basins
- Flood mitigation plan for North Valleys
- Closed hydrobasins
- Next steps
UPDATE

- 16 tagged homes (10 red, 6 yellow), 4 cleared for occupancy
  - Providing housing to 13 families
- HESCO temporary flood barrier
  - Storm water pumps, diver, maintaining protection areas
- Lemmon Drive
  - Portion from Waterash St. south opened Aug 4th
  - Posted 25 mph
  - Prepared to reinstall HESCO when required
- Washoe County and City of Reno
  - Lemmon Drive, Air Race traffic, sewer treatment plants
2017 North Valleys Flood Update

UPDATE

- Washoe County Utility
  - Protection of LV Waste Water Reclamation Facility
  - NDEP recognizes proactive work and is satisfied
- WC Roads
  - Cleaning/clearing ditches and culverts
- Health Department
  - Mosquito abatement
- Possible Federal Reimbursement
  - Working with FEMA, FHWA, State of Nevada DEM

LOOK AHEAD AND PLANNING
SWAN LAKE
Actual Lake Level Measurements &
Projected Lake Elevation Based Upon Historical 1986 Elevation Data

Level of Protection = 4,926'

100-yr FEMA Flood Elevation = 4,924'

Expected Lake Level Drop
June 1 thru November 30th ~ 2.1 feet

Notes:
1. The lake level projection accounts only for evaporation and does not include further stormwater inputs
2. 1986 Lake Levels obtained from study by Quad-Knopf dated 2007

- Lake Elevation Actual - 2017
- Projected Lake Elevation Using 1986 Lake Elevation Data

Lemmon Dr & Compton Dr pavement dry, level at edge of paving, subgrade saturated (4922.1a)

Pompe/Albert pavement dry, level at edge paving, subgrade saturated (4921.7a)

Lemmon/Compton pavement dry, level 1' below edge of paving, subgrade wet (4920.7a)

Arkansas pavement dry, Pompe cul-de-sac pavement dry, level at edge of paving, subgrade saturated (4920.5a)

Palace Dr pavement, level at edge of paving, subgrade saturated (4920.5a)

JE Pompe Culverts (4921.1a), Verify Actual Elev.

JE Compton Culverts (4920.26), Verify Actual Elev.

JE Idaho/Palace Culverts (4918a), Verify Actual Elev.
2017 North Valleys Flood Update

PLANNING FOR THE NEXT 10 MONTHS

- Maintain HESCO temporary flood barrier
- Respond to storm water
- Maintain sewer treatment plant operations
- Continue working with emergency service providers, State of Nevada, FEMA, FHWA
- Continue communication

Requirement: Maintain Existing Protection Level for Area Residents
2017 North Valleys Flood Update

FLOOD RESPONSE PLAN

- Goals and objectives
- Situation and risk assessment
- Prevention, protection & preparation
- Monitoring and flood warnings
- Actions on alerts
- Installation of protective measures/evacuation
- Site reoccupation
- Briefing/training/exercising/plan update
2017 North Valleys Flood Update

Flood Mitigation Plan

- Organize the planning process and resources
- Risk assessment (Hazard Identification and Vulnerability)
- Develop mitigation strategy
- Adopt and implement the plan
NEXT STEPS

- FEMA Hazard Mitigation Grant Program – possible purchase of certain homes impacted by 2017 presidentially declared February flood
- Review and possible update to development code
- FEMA reimbursement
Questions?