

Application No.: A.25-06-017
Exhibit No.: LIB-30



(U 933-E)

Mountain View Fire Cost Recovery Application

Exhibit LIB-30

February 15, 2014 8:32 a.m. PST
Area Forecast Discussion

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FXUS65 KREV 151632
AFDREV

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE RENO NV
832 AM PST SAT FEB 15 2014

.FIRE WEATHER UPDATE...
HUMIDITIES HAVE DROPPED INTO THE TEENS THIS MORNING FOR THE RENO AND TAHOE AREA SOUTH INTO MONO COUNTY. HUMIDITIES ARE MUCH HIGHER TO THE NORTH AND EAST ALTHOUGH OUT IN THE BASIN AND RANGE THEY WILL LIKELY BOTTOM OUT IN THE MID TEENS OR LOW 20S THIS AFTERNOON AS MIXING ENSUES. THE HUMIDITIES COUPLED WITH VERY STRONG WINDS, ESPECIALLY NEAR AND WEST OF HIGHWAY 395 IN THE SIERRA FRONT, WILL BRING A HEIGHTENED FIRE DANGER DESPITE RECENT RAINS.

MODELS SHOW SOME MOISTENING IN THE EVENING NEAR THE SIERRA ALTHOUGH HUMIDITIES WILL STILL BE RATHER LOW (PERHAPS 25-35%) AND WINDS WILL REMAIN STRONG. THEREFORE, THE CONCERN WILL CONTINUE OVERNIGHT IN THE SIERRA FRONT AND SOUTH THROUGH MONO COUNTY.
SNYDER
&&

.SYNOPSIS...
STRONG WINDS ARE EXPECTED THIS AFTERNOON AND TONIGHT WITH A PERIOD OF RAIN AND SNOW MAINLY IN THE SIERRA. MILD AFTERNOON TEMPERATURES WILL PREVAIL THROUGH TUESDAY WITH MILD PACIFIC FLOW. A MUCH COLDER SYSTEM MAY BRING A PERIOD OF SNOW AND GUSTY WINDS FOR THE MIDDLE OF NEXT WEEK. MUCH COLDER TEMPERATURES ARE EXPECTED LATE NEXT WEEK.
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.PREVIOUS DISCUSSION... /ISSUED 306 AM PST SAT FEB 15 2014/

SHORT TERM...
STRONG, POTENTIALLY DAMAGING WIND EVENT REMAINS ON TRACK FOR THIS AFTERNOON AND TONIGHT. IN FACT, AFTER LOOKING AT THE LATEST DATA, IT APPEARS THIS WILL BE THE STRONGEST WIND EVENT WE HAVE SEEN IN OVER TWO YEARS (JAN '12...WASHOE DRIVE FIRE AND NOV '11...CAUGHLIN FIRE).

GFS/NAM/EC ALL IN GOOD AGREEMENT WITH BRINGING IN THE STRONGEST WINDS FROM 00Z NEAR THE OREGON BORDER TO 06-09Z FOR MONO/MINERAL COUNTIES JUST AHEAD OF A COLD FRONT. NAM CONTINUES TO SHOW AN IMPRESSIVE DOWNSLOPE SIGNATURE IN CROSS-SECTIONS AND SOUNDINGS IN THE LEE OF THE SIERRA WHICH IS SUPPORTED BY LOCAL 3 KM WRF RUN AND HRRR. WINDS AT 700 MB PEAK BETWEEN 70-75 KTS AT THE TIME OF THE STRONGEST WINDS FOR STANDARDIZED ANOMALIES OF 3-4. THESE SIGNATURES AND THE CLASSIC DOWNSLOPE SOUNDING OF STRONGEST WINDS NEAR RIDGETOP LEVEL WITH AN INVERSION FOLLOWED BY WEAKENING WIND IN MID-LEVELS WITH DRY ADIABATIC PROFILES SUPPORT INCREASING THE WINDS A BIT MORE.

WOULD NOT BE SURPRISED TO SEE 100 MPH GUSTS IN FAVORED WIND PRONE LOCATIONS SUCH AS GALENA WITH WIDESPREAD 60-70 MPH GUSTS IN VALLEYS AT THE TIME OF PEAK WINDS IN THE WARNING AREAS. WITH FAVORABLE DOWNSLOPE SHOWING UP NOW IN THE SURPRISE VALLEY AND OFF THE WASSUKS IN MINERAL COUNTY, HAVE UPGRADED THOSE ADVISORIES TO WARNINGS. LEFT ADVISORIES FOR TAHOE/NRN WASHOE AND THE WRN NV BASIN/RANGE AS WINDS DO NOT LOOK TO BE QUITE AS STRONG THERE. THE ONE AREA THAT DOES CONCERN ME IS THE TAHOE BASIN AS IT IS DRY UPSTREAM WHICH COULD RESULT IN STRONGER WINDS THERE. THIS WILL NEED TO BE WATCHED BY THE DAY SHIFT.

WINDS WILL GRADUALLY DIMINISH OVERNIGHT BEHIND THE COLD FRONT. WHILE THERE IS MOISTURE WITH THE FRONT, IT RAPIDLY DIMINISHES AS THE FRONT MOVES THROUGH. EXPECT A BRIEF BURST OF PRECIP BEHIND THE FRONT IN THE SIERRA FROM TAHOE NORTH WITH SNOW LEVELS NEAR 7000 FEET FALLING TO 5000-5500 FEET. SNOW AMOUNTS COULD BE 4-8 INCHES NEAR THE CREST WITH A COUPLE INCHES DOWN TO 6000 FEET OR LAKE LEVEL. FURTHER EAST, SPILLOVER LOOKS MINIMAL DUE TO THE SHALLOWING MOISTURE AND LESS THAN IDEAL FORCING AT JET LEVEL.

SUNDAY WILL BE COOLER BEHIND THE FRONT WITH LIGHTER WINDS. WEAK SHORT WAVE RIDGING WILL CONTINUE INTO MONDAY, ALTHOUGH THE FLOW ALOFT DOES STRENGTHEN SOME. BREEZY CONDITIONS ARE POSSIBLE MONDAY WITH CONTINUED ABOVE AVERAGE TEMPERATURES AFTER A SEASONABLY COOL NIGHT SUNDAY NIGHT. WALLMANN

LONG TERM...TUESDAY THROUGH FRIDAY...
NO SIGNIFICANT CHANGES THIS MORNING AS MODELS CONTINUE TO ADVERTISE TROUGH AND COOL DOWN FOR THE LAST HALF OF NEXT WEEK. MODELS HAVE TRENDED FURTHER EAST WITH TROUGH ALTHOUGH MOS GUIDANCE IS STILL WAY TO WARM GIVEN THE NORTHEAST FLOW AND FORECAST 700MB TEMPS OF -10C OR COLDER. SO MAINTAINED THE ABOVE NORMAL READINGS FOR TUESDAY FOLLOWED BY BELOW NORMAL TEMPERATURES WED-FRI.

GUSTY WINDS WILL PRECEDE MAIN FRONT TUESDAY WITH 700MB WINDS CLOSE TO 50KT AND DECENT SURFACE GRADIENT. SO WE MAY BE LOOKING AT ADVISORY LEVEL WINDS, ESPECIALLY ALONG THE SIERRA FRONT AND AREAS TO THE NORTH OF RENO. COLD FRONT THEN PUSHES SOUTHEASTWARD THROUGH THE AREA TUE NIGHT AND WED WITH THE ECMWF CONTINUING TO SHOW A RATHER ROBUST FRONT AND BAND OF SHOWERS. BAND OF SHOWERS DIMINISHES WED NIGHT AND THUS LOWERED POPS. NEXT SHORTWAVE AND REINFORCING COLD AIR ARRIVE THU-FRI WITH A MUCH DRIER SOLUTION THAN 24 HOURS AGO AS TROUGH AND ASSOCIATED SLIDER SYSTEM ARE FURTHER EAST IN ABOUT ALL THE MODEL RUNS. MAINTAINED THE CHANCE POPS THU-THU NIGHT ALTHOUGH THAT MAY BE TOO HIGH. CONFIDENCE DEFINITELY DECREASES TO THE LOW END WITH PRECIPITATION AT THIS POINT. WHILE NOT A BIG SYSTEM, SHOULD WE GET AN ORGANIZED BAND WITH THE SYSTEM THU-THU NIGHT, TEMPERATURES WOULD BE COLD ENOUGH TO CAUSE SOME SNOW AND POTENTIAL TRAVEL IMPACTS FOR LOWER VALLEYS. HOHMANN
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AVIATION...

* STRONG DOWNSLOPE WINDS POSSIBLE FOR KRNO-KCXP-KMMH *

STRONG WINDS AT THE RIDGES WILL INCREASING FURTHER TODAY AHEAD OF A TROUGH MOVING INTO THE PACIFIC NORTHWEST. WINDS WILL BE CONSIDERABLY STRONGER AS MIXING AND GRADIENTS PICK UP THIS AFTERNOON WITH HIGH WINDS LIKELY AT ALL EASTERN SIERRA TAF SITES THIS AFTERNOON AND EVENING AND POSSIBLY CONTINUING WELL INTO THE NIGHT SOUTH OF HIGHWAY 50. BLOWING DUST IS POSSIBLE ACROSS THE BASIN AND RANGE WHERE VSBY MAY DROP BELOW 1 MILE AT TIMES. KRNO, KCXP AND KMMH CAN EXPECT GUSTS ABOVE 40 KNOTS WITH MODEL CROSS SECTIONS AND SOUNDINGS INDICATING A 2-4 HOUR WINDOW OF GUSTS 50-60KT. ESTIMATED TIMING OF STRONGEST WINDS WILL BE 22Z-06Z FOR KRNO-KCXP-KTVL-KTRK AND 04Z-12Z FOR KMMH.

PRECIPITATION WILL HOLD OFF UNTIL TONIGHT WITH SOME SNOW ACCUMULATION POSSIBLE AT KTVL/KTRK BY SUNDAY MORNING, ALTHOUGH ACCUMULATIONS ARE GOING TO BE LIGHT IF THEY OCCUR. HOHMANN
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.REV WATCHES/WARNINGS/ADVISORIES...

NV...HIGH WIND WARNING FROM 1 PM THIS AFTERNOON TO 4 AM PST SUNDAY NVZ003.

WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 4 AM PST SUNDAY NVZ002.

HIGH WIND WARNING FROM 1 PM THIS AFTERNOON TO 4 AM PST SUNDAY
NVZ001.

WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 10 PM PST THIS EVENING
NVZ004.

WIND ADVISORY UNTIL 10 PM PST THIS EVENING NVZ005.

CA...HIGH WIND WARNING UNTIL 10 PM PST THIS EVENING CAZ070-071.

HIGH WIND WARNING FROM 1 PM THIS AFTERNOON TO 4 AM PST SUNDAY
CAZ073.

WIND ADVISORY FROM 1 PM THIS AFTERNOON TO 4 AM PST SUNDAY CAZ072.

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FOR MORE INFORMATION FROM THE NATIONAL WEATHER SERVICE VISIT...
[HTTP://WEATHER.GOV/RENO](http://weather.gov/reno) (ALL LOWER CASE)