

APPENDIX C

PUBLIC INFORMATION AND OTHER NOTICES

FIGURE C-1
NATIONAL WEATHER SERVICE PUBLIC ZONES

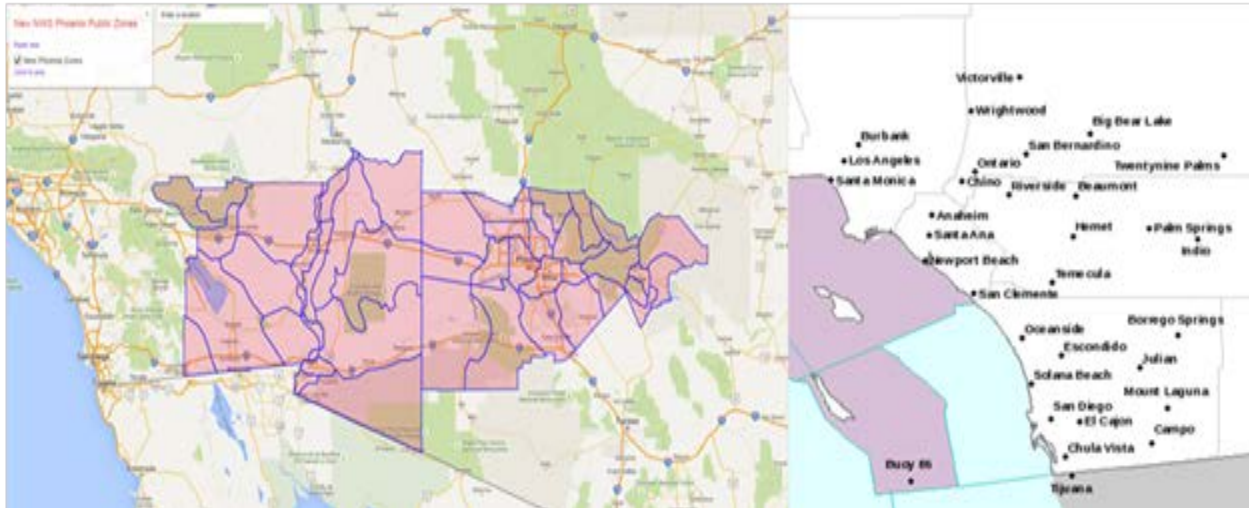


Fig C-1: Illustrates the public zones serviced by the National Weather Service Office in Phoenix and San Diego. Imperial County, including southeast sections of Riverside County are part of the reporting public zone areas from the Phoenix office

FIGURE C-2
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

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April 27, 2018 through April 30, 2018	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM₁₀ may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p>IMPERIAL COUNTY WINDS BREEZY TO WINDY CONDITIONS FORECASTED FOR IMPERIAL COUNTY THIS WEEKEND.</p> <p>After reaching into the high 90s on Friday, temperatures will dip slightly to the mid-80s to low 90s over the weekend. All areas of Imperial county west winds pick up late Friday and increase through the weekend.</p> <p>Imperial Valley (including El Centro and Brawley) will experience west winds increasing from 5-10 mph in the morning to 10-20 mph in the afternoon. Saturday and Sunday will see winds increase from 5-10 mph in the morning to 15-25 mph in the afternoon.</p> <p>The west portion of Imperial County (Salton City, Ocotillo, Plaster City) will experience west winds of 10-15 mph on Friday morning increasing to 15-25 mph in the afternoon, with afternoon gusts up to 35 mph. On Saturday, west winds will increase from 10-15 mph in the morning to 20-30 mph in the afternoon. Saturday night will see west wind 20 to 30 mph in the evening decreasing to 10 to 20 mph after midnight. Sunday will be mostly a repeat of Saturday, with west wind 10 to 15 mph in the morning increasing to 20 to 30 mph in the afternoon.</p> <p>The southwest portion of Imperial County (including Mountain Springs) will see west winds of 20-30 mph on Friday with gusts increasing from 35 mph in the morning to 40 mph in the afternoon. Overnight winds will be 20-35 mph with gusts up to 45 mph. On Saturday, west winds will be 20-30 mph with gusts up to 40 mph. Overnight winds will be 25-40 mph with gusts up to 50 mph. Sunday will continue to be windy with west winds of 20-35 mph with gusts of 50 mph in the afternoon. Sunday night will continue to be very windy.</p>	
<p><u>THE SAN DIEGO OFFICE</u> Gradually cooler through the weekend, with increasing low clouds spreading inland to the coastal mountain slopes. Expect stronger onshore flow with strong and gusty southwest to west winds in the mountains and deserts during the afternoons and evenings. The winds are expected to strengthen each day with the strongest winds for late Sunday afternoon through Sunday night with advisory strength winds on the desert</p>	

slopes of the mountains into the deserts. For Monday and Tuesday cooler with stronger onshore flow and gusty northwest to west winds in the mountains and deserts and with further deepening of the marine layer with small chances for light precipitation along and west of the mountains.

THE PHOENIX OFFICE

Very warm conditions will continue the remainder of the week with widespread highs in the upper 90s at lower elevations. A slight chance for thunderstorms will exist across southern Gila County Friday and Saturday afternoon; however, most locations will not see rainfall. A distinct cooling trend will spread into the region for at least the first half of next week with only occasionally breezy weather.

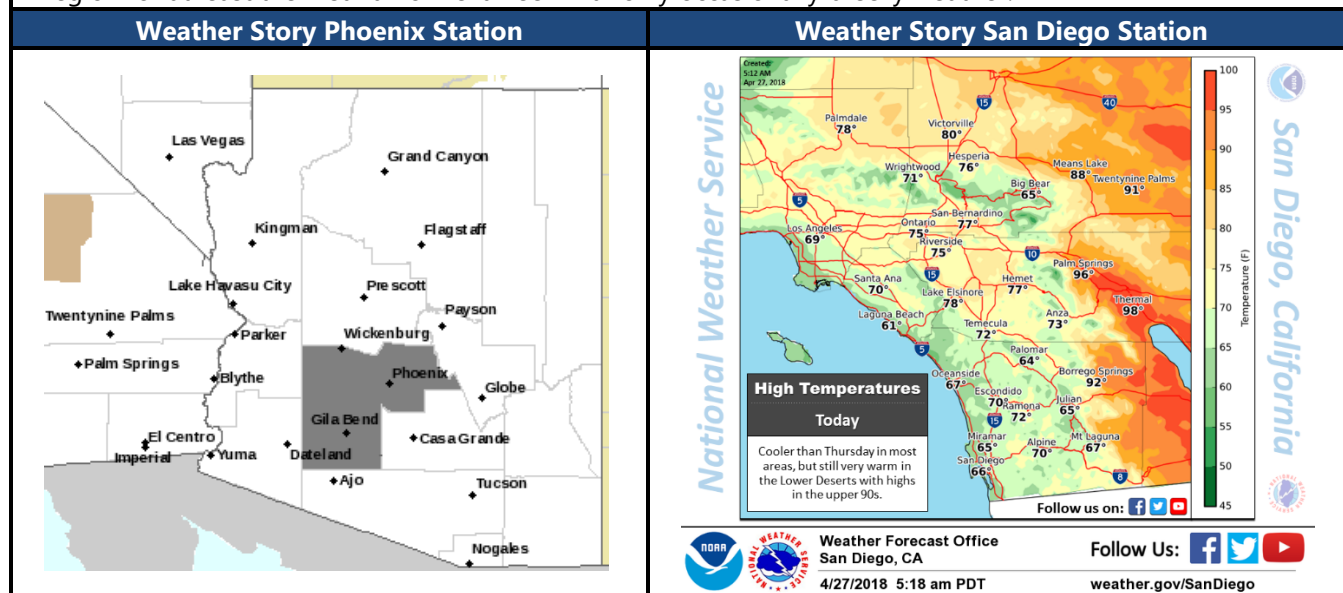


Fig C-2: Copy of the ICAPCD web-based advisory issued the morning of Friday, April 27, 2018

FIGURE C-3
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

The information herein is NOT intended for use as a weather forecast. The Air District DOES NOT forecast but solely compiles information from both the Phoenix and San Diego National Weather Offices to relay information concerning potential changes in ambient air concentrations that may impact the public.

April 27, 2018 through April 30, 2018 Update
Be Advised
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>
Imperial County Weather Synopsis
<p>IMPERIAL COUNTY WINDS</p> <p>BREEZY TO WINDY CONDITIONS FORECASTED FOR IMPERIAL COUNTY THIS WEEKEND.</p> <p>After reaching into the high 90s on Friday, temperatures will dip slightly to the mid-80s to low 90s over the weekend. All areas of Imperial county west winds pick up late Friday and increase through the weekend.</p> <p>Imperial Valley (including El Centro and Brawley) will experience west winds increasing from 5-10 mph in the morning to 10-20 mph in the afternoon. Saturday and Sunday will see winds increase from 5-10 mph in the morning to 15-25 mph in the afternoon.</p> <p>The west portion of Imperial County (Salton City, Ocotillo, Plaster City) will experience west winds of 10-15 mph on Friday morning increasing to 15-25 mph in the afternoon, with afternoon gusts up to 35 mph. On Saturday, west winds will increase from 10-15 mph in the morning to 20-30 mph in the afternoon. Saturday night will see west wind 20 to 30 mph in the evening decreasing to 10 to 20 mph after midnight. Sunday will be mostly a repeat of Saturday, with west wind 10 to 15 mph in the morning increasing to 20 to 30 mph in the afternoon.</p> <p>The southwest portion of Imperial County (including Mountain Springs) will see west winds of 20-30 mph on Friday with gusts increasing from 35 mph in the morning to 40 mph in the afternoon. Overnight winds will be 20-35 mph with gusts up to 45 mph. On Saturday, west winds will be 20-30 mph with gusts up to 40 mph. Overnight winds will be 25-40 mph with gusts up to 50 mph. Sunday will continue to be windy with west winds of 20-35 mph with gusts of 50 mph in the afternoon. Sunday night will continue to be very windy.</p> <p>THE SAN DIEGO OFFICE</p> <p>Gradually cooler through the weekend, with increasing low clouds spreading inland to the coastal mountain slopes. Expect partly to mostly cloudy skies west of the mountains, strong winds at times in the mountains and deserts, and a chance of rain Tuesday into Wednesday. The winds are expected to strengthen each day with the strongest winds for late Sunday afternoon through Sunday night with advisory strength winds on the desert slopes of the mountains into the deserts. Late Sunday looks windiest at this time, with gusts</p>

reaching 50 mph or so at the windiest spots.

For the San Diego deserts, including Borrego Springs:

Saturday will have of winds west 20 to 30 mph. Gusts to 35 mph becoming 45 mph in the afternoon.

Saturday night will be mostly clear with areas of blowing sand and blowing dust. Areas of winds west 20 to 30 mph with gusts to 45 mph.

Sunday will have west winds of 20 to 30 mph. Gusts to 40 mph becoming 50 mph in the afternoon. There will be areas of blowing sand and blowing dust. Sunday night will have west winds 25 to 35 mph with gusts to 50 mph,

Along with areas of blowing sand and blowing dust

For Monday and Tuesday cooler with stronger onshore flow and gusty northwest to west winds in the mountains and deserts and with further deepening of the marine layer with small chances for light precipitation along and west of the mountains.

THE PHOENIX OFFICE

Breezy to windy conditions can be expected in the afternoons and evenings (continuing overnight at ridgetops) Sunday through Tuesday as a low pressure system moves into the western states. A slight chance for thunderstorms will exist across southern Gila County Friday and Saturday afternoon; however, most locations will not see rainfall. A distinct cooling trend will spread into the region for at least the first half of next week with only occasionally breezy weather.

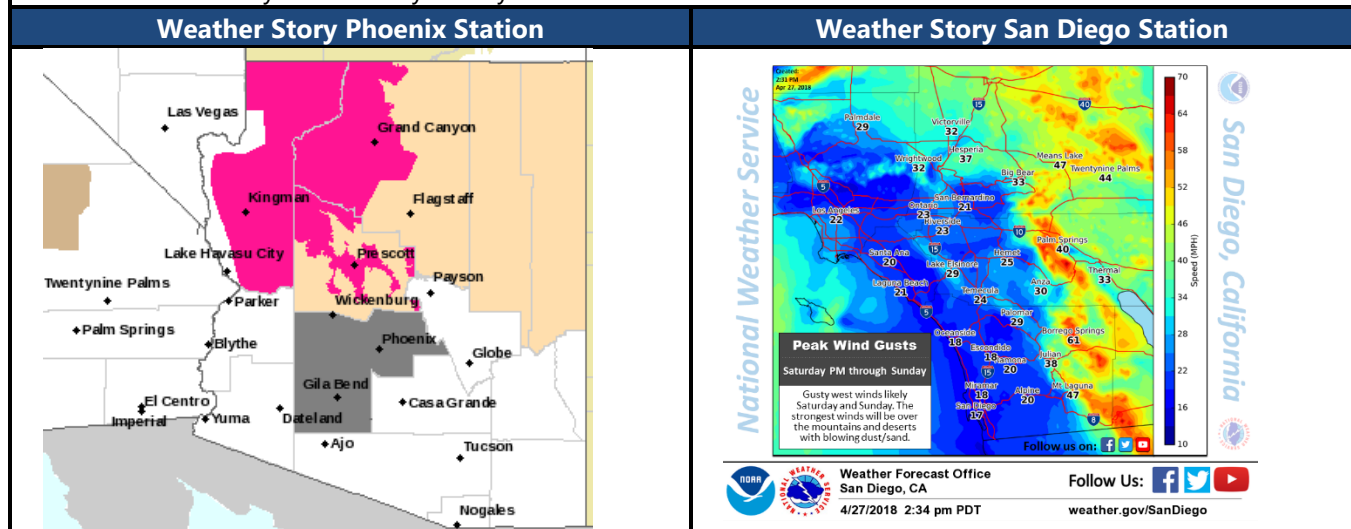


Fig C-3: Copy of the revised ICAPCD web-based advisory for Friday, April 27, 2018 through April 30, 2018. The ICAPCD issued a revised advisory based upon updated forecasts from the NWS San Diego and Phoenix offices

FIGURE C-4
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

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April 27, 2018 through April 30, 2018 Second Update
Be Advised
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>
Imperial County Weather Synopsis
<p>IMPERIAL COUNTY</p> <p>STRONG WINDS AND BLOWING DUST EXPECTED FOR SE CALIFORNIA SUNDAY AFTERNOON.</p> <p>Areas of blowing dust will be the major concern over much of SE California on Sunday and could make for particularly difficult travel near El Centro and along highway 78 and 86. Gusts 35-45 mph are expected over the area with speeds reaching 50 mph in windiest locations.</p> <p>A WIND ADVISORY HAS BEEN ISSUED FOR THE FOLLOWING PORTIONS OF IMPERIAL COUNTY:</p> <p>The west portion of Imperial County (Salton City, Ocotillo, Plaster City) has a Wind Advisory in place from 2 p.m. Sunday through 2 a.m. Monday. Saturday will have west winds 20 to 30 mph in the evening decreasing to 10 to 20 mph after midnight. Gusts up to 40 mph. Sunday will be mostly sunny and windy. West winds 10 to 15 mph in the morning will increase to 25 to 35 mph in the afternoon, with gusts up to 45 mph. Expect areas of patchy blowing dust in the afternoon. Sunday night will be clear and windy. West wind 20 to 35 mph. Gusts up to 45 mph. Areas of blowing dust in the evening, then patchy blowing dust after midnight.</p> <p>The southwest portion of Imperial County (including Mountain Springs) has a Wind Advisory in place from 2 p.m. Sunday through 2 a.m. Monday. West winds of 20-30 mph with gusts to 45 mph are expected Saturday. Sunday will have west winds of 15-25 mph in the morning becoming southwest at 25-35 mph in the afternoon with gusts to 50 mph. The winds will generate patchy blowing dust in the afternoon. Sunday night will be mostly clear and very windy. Areas of blowing dust in the evening, then patchy blowing dust after midnight. West wind 25 to 40 mph. Gusts up to 55 mph.</p> <p>Other portions of Imperial County will also experience gusty winds and likely patchy blowing dust. Wind advisories could be added for those locations as well.</p> <p><u>THE SAN DIEGO OFFICE</u></p> <p>Persistent onshore flow will spread cooling and clouds farther inland and bring gusty westerly winds this weekend, strongest over the mountains and deserts. Increased surface pressure gradients will support some</p>

peak wind gusts of 30 to 40 mph through the passes and into the deserts. Breezy conditions on Saturday will increase late on Sunday and Sunday evening when a Wind Advisory will be needed on the deserts and lee slopes of the mountains. Expect some gusts to exceed 55 mph in the windiest spots.

For the San Diego deserts, including Borrego Springs:

Saturday will have of winds west 20 to 30 mph with gusts to 45 mph. Expect areas of blowing sand and blowing dust.

Sunday will have west winds of 15 to 25 mph with gusts of 45 mph, increasing to winds of 25-35 mph with gusts up to 50 mph in the afternoon. Expect areas of blowing sand and blowing dust. Winds may reach advisory level.

THE PHOENIX OFFICE

STRONG WINDS AND BLOWING DUST EXPECTED FOR SE CALIFORNIA SUNDAY AFTERNOON.

Above normal temperatures will persist this weekend, however a gradual cooling trend is expected through Wednesday as a series of low pressure systems move through the Western states. By late Sunday, the first shortwave will move through our region but is not expected to bring any precipitation as the system is relatively moisture starved. However, height falls will tighten surface pressure gradients and drive strong winds, mainly over SE California. Areas of blowing dust will be the major concern over much of SE California on Sunday and could make for particularly difficult travel near El Centro and along highway 78 and 86. Gusts 35-45 mph are expected over the area with speeds reaching 50 mph in windiest locations.

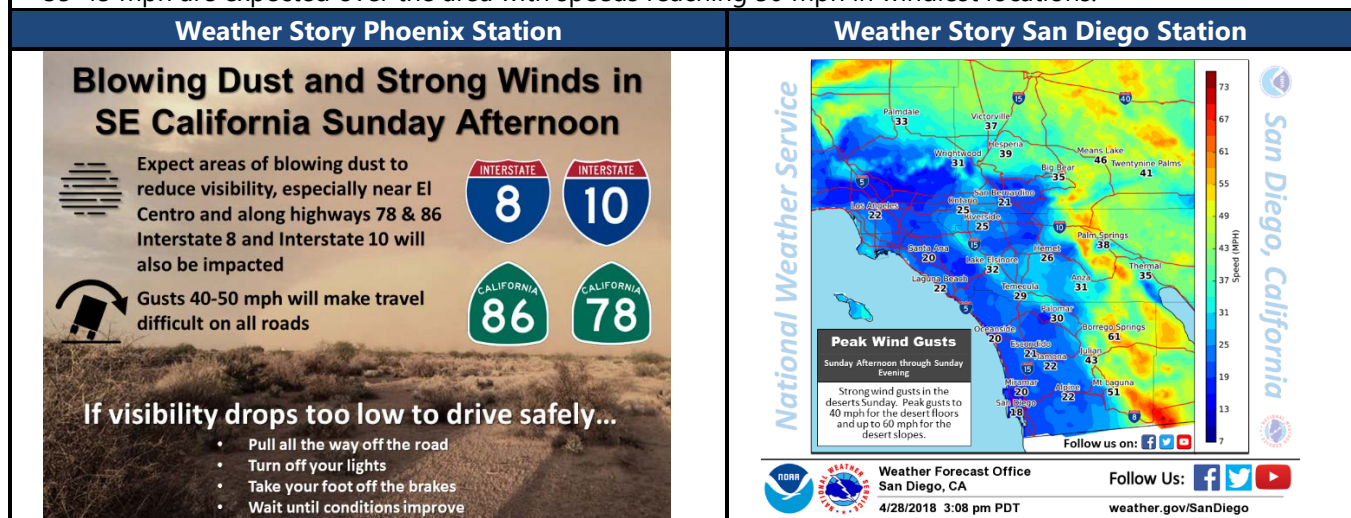


Fig C-4: Copy of the second revised ICAPCD web-based advisory for Friday, April 27, 2018. The ICAPCD issued a revised advisory based upon updated forecasts from the NWS San Diego and Phoenix offices

FIGURE C-5
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

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April 30 2018	
Be Advised	
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>	
Imperial County Weather Synopsis	
<p>IMPERIAL COUNTY MONDAY AND TUESDAY TO REMAIN WINDY ACROSS IMPERIAL COUNTY.</p> <p>A WIND ADVISORY HAS BEEN ISSUED FOR PORTIONS OF IMPERIAL COUNTY.</p> <p>The NWS Phoenix office has issued a Wind Advisory for the southwest portion of Imperial County (Mountain Springs area) effective 4 pm Monday through 8 am Tuesday. West winds of 15 to 25 mph in the morning are expected to increase to 25 to 35 mph in the afternoon, with gusts up to 45 mph. Overnight, west winds will range from 25 to 40 mph with gusts up to 55 mph. Patch blowing dust is expected. On Tuesday, winds will remain equally strong.</p> <p>The remainder of Imperial County should expect windy conditions with possible areas of blowing dust through Tuesday. Possibly, wind advisories might be added for other areas of Imperial County.</p> <p><u>SYNOPSIS FROM THE SAN DIEGO OFFICE</u> Onshore flow and a coastal eddy will bring more cooling and more coastal clouds today with gusty southwest to west winds in the mountains and deserts. For Tuesday into Wednesday a cold low pressure system from the north will move inland across Southern California bringing more cooling along with showers and a slight chance of thunderstorms. Dry and warmer for Thursday through Saturday under high pressure. A return of onshore flow will begin to spread cooling inland for Sunday through early next week.</p> <p><u>SYNOPSIS FROM THE PHOENIX OFFICE</u> Winds will be lighter today but there will still be some breeziness stronger over Imperial County. Otherwise, expect noticeably cooler temperatures today. On Tuesday, an upper level trough and associated surface cold front will dig south into southern California. Strong southerly winds will develop ahead of the front, with strong westerlies forecast behind the front. Winds will generally be gusting in the 20 to 30 mph range, with stronger gusts to 40 mph expected across southeast California. Due to stronger wind speeds, patchy blowing dust will also be a possibility on Tuesday. In the wake of the weather system after Wednesday, high pressure builds across the region, with lower elevations touching 100 degrees by the weekend.</p>	
Weather Story Phoenix Station	Weather Story San Diego Station

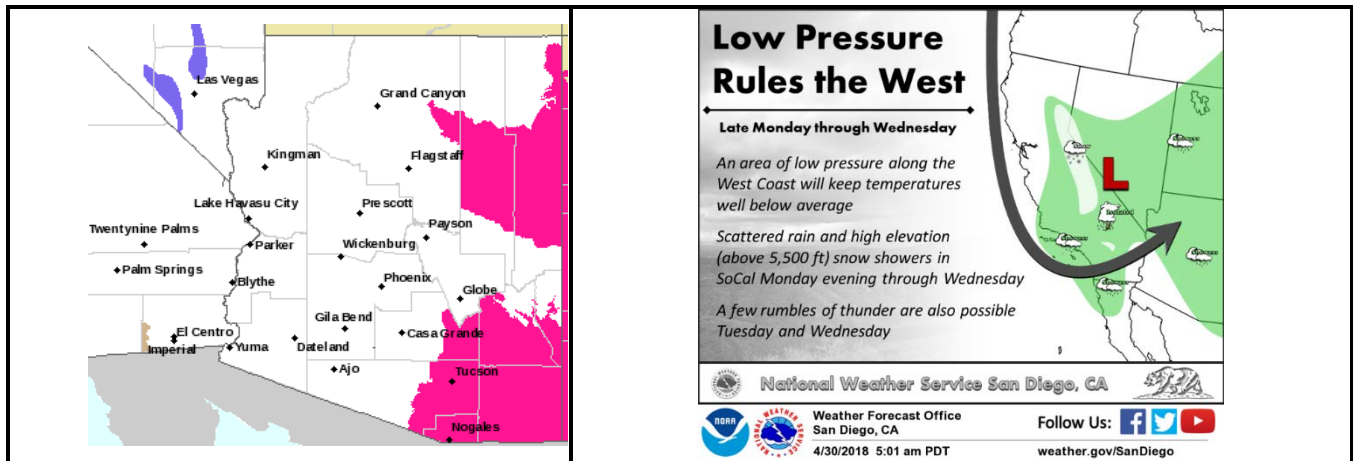


Fig C-5: Copy of the ICAPCD web-based advisory for Monday, April 30, 2018

FIGURE C-6
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

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April 30 2018 UPDATE
Be Advised
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>
Imperial County Weather Synopsis
<p>IMPERIAL COUNTY</p> <p>MONDAY AND TUESDAY TO REMAIN WINDY ACROSS IMPERIAL COUNTY.</p> <p>UPDATE: WIND ADVISORIES HAS BEEN ISSUED FOR THE SOUTHWEST AND WESTERN PORTIONS OF IMPERIAL COUNTY.</p> <p>The NWS Phoenix office has issued a Wind Advisory for the southwest portion of Imperial County (Mountain Springs area) effective through 9:00 pm Tuesday. Southwest winds of 25 to 40 mph with gusts of 50 mph are forecasted. Patches of blowing dust are expected. On Tuesday, winds will remain equally strong.</p> <p>The NWS Phoenix office has issued a Wind Advisory for the western portion of Imperial County (Salton City, Ocotillo, Plaster City areas) effective through 1:00 pm Monday, April 30, through 9:00 pm Tuesday. West winds of 20 to 35 mph with gusts of 45 mph are forecasted. Patches of blowing dust are expected. On Tuesday, winds will remain equally strong.</p> <p>The remainder of Imperial County should expect windy conditions with possible areas of blowing dust through Tuesday. Possibly, wind advisories might be added for other areas of Imperial County.</p> <p><u>SYNOPSIS FROM THE SAN DIEGO OFFICE</u></p> <p>UPDATE 1:13 pm: Winds are picking up across the mountains and deserts of southeastern California. The onshore surface pressure gradients were running 5-6 mbs from San Diego to the deserts causing gusty winds across the mountains and deserts of southeastern California. Peak wind gusts at noon PDT over the mountains and deserts were between 30 and 40 MPH, down from gusts over 60 MPH last night.</p> <p>As of 3:41 pm no wind advisories have been issued for the San Diego deserts. However, west winds of 20-30 mph with gusts up to 50 mph are forecasted. Areas of blowing sand and blowing dust are expected. Winds will remain gusty into Tuesday.</p> <p>Onshore flow and a coastal eddy will bring more cooling and more coastal clouds today with gusty southwest to west winds in the mountains and deserts. For Tuesday into Wednesday a cold low pressure system from the</p>

north will move inland across Southern California bringing more cooling along with showers and a slight chance of thunderstorms. Dry and warmer for Thursday through Saturday under high pressure. A return of onshore flow will begin to spread cooling inland for Sunday through early next week.

SYNOPSIS FROM THE PHOENIX OFFICE

UPDATE as of 2:30 pm: BLOWING DUST expected across southwest Imperial County.

An enhanced jet and persistently tight pressure gradient through the area will continue to support locally windy

weather. This will particularly be the case in the lee of the San Diego mountains where rotors and downsloping winds will once again produce strong, gusty winds and some blowing dust in SW Imperial County into the overnight hours.

A low pressure system will move through the region Tuesday and Wednesday bringing breezy conditions, some blowing dust, much cooler temperatures, and a slight chance of showers and thunderstorms to some communities. Widespread rainfall is not expected and will be primarily focused around and northeast of the Phoenix metro. In the wake of this weather disturbance, high pressure will build across the region with lower elevations touching 100 degrees by the weekend.

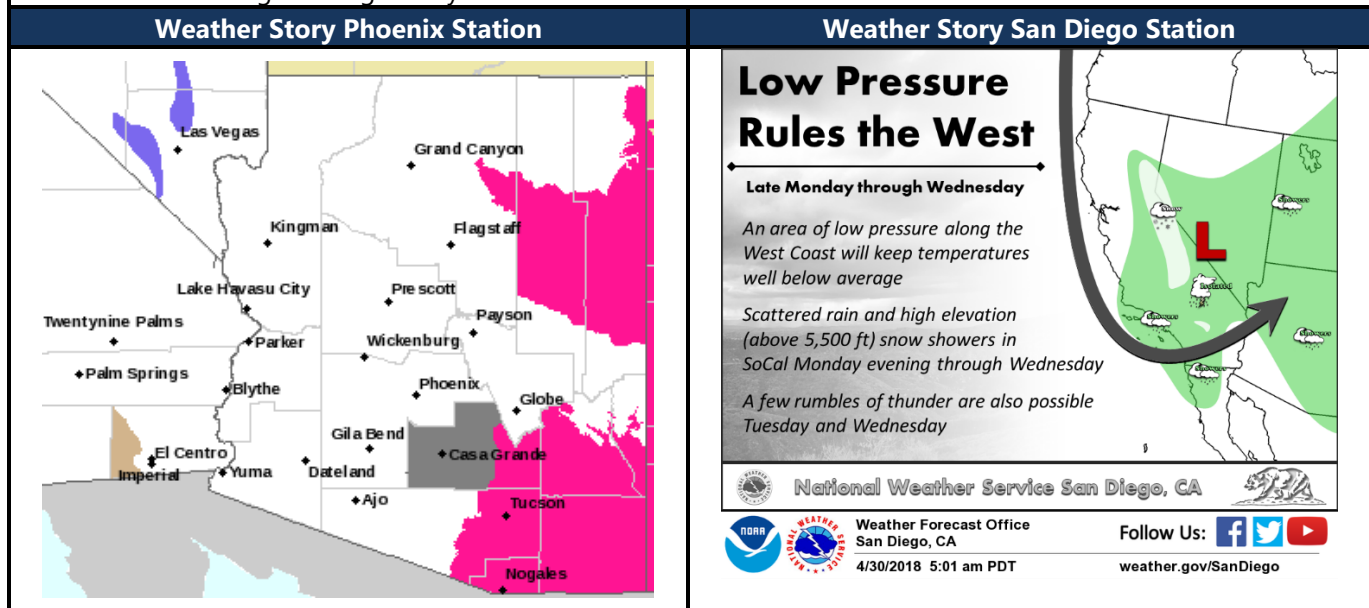


Fig C-6: Copy of the revised ICAPCD web-based advisory for Friday, April 30, 2018. The ICAPCD issued a revised advisory based upon updated forecasts from the NWS San Diego and Phoenix offices

FIGURE C-7
IMPERIAL COUNTY WEB POSTING
OF POTENTIAL ELEVATED PM CONCENTRATIONS

Advisory Events

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May 1 2018
Be Advised
<p>High wind levels have the potential to suspend particulate matter into the air. High levels of PM10 may pose an impact to public health. It is recommended that active children and adults, and people with respiratory disease, such as asthma, limit their outdoor activities.</p> <p>Potential increases in PM₁₀ concentrations may increase to moderate or unhealthy level.</p>
Imperial County Weather Synopsis
<p>IMPERIAL COUNTY</p> <p>CONTINUED GUSTY WINDS FOR IMPERIAL COUNTY TODAY</p> <p>There will be continued breeziness today, especially along and west of the Colorado River Valley. A wind advisory remains in place for western Imperial County through 5 AM Wednesday where gusts to 50 to 55 mph will be possible. In addition, winds will start to pick up this afternoon across the central and eastern portions of Imperial county and parts of eastern Riverside County where gusts to 50 mph will be likely. Due to very breezy conditions in southeast California, patchy areas of blowing dust will be possible and those driving on I-10 and I-8 should use extra caution this afternoon.</p> <p>A WIND ADVISORY HAS BEEN ISSUED FOR ALL OF IMPERIAL COUNTY.</p> <p>The NWS Phoenix office has issued a Wind Advisory for the Imperial Valley (including Desert Shores, El Centro, Calexico, and Brawley) effective 2pm May 1 through 11 pm May 1. West winds of 15-25 mph in the morning will increase to 20-35 mph in the afternoon, with gusts up to 45 mph. Expect patchy blowing dust in the afternoon.</p> <p>The NWS Phoenix office has issued a Wind Advisory for southeast Imperial County (including the Chuckwalla Mountains, Imperial Hot Mineral Springs, and Winterhaven) effective 2pm May 1 through 11 pm May 1. West winds of 20-30 mph with gusts up to 40 mph are forecasted. Patchy blowing dust is expected.</p> <p>The NWS Phoenix office has issued a Wind Advisory for southwest Imperial County (including Mountain Springs) effective through 5 am May 2. Expect very windy conditions with patchy blowing dust through the day. Southwest wind 20 to 35 mph in the morning increasing to 30 to 45 mph in the afternoon. Gusts up to 45 mph in the morning increasing to 55 mph in the afternoon. Chance of measurable rain 10 percent. For Tuesday night, patchy blowing dust in the evening. Partly cloudy with a slight chance of showers and thunderstorms. West wind 25 to 45 mph in the evening decreasing to 20 to 35 mph after midnight. Gusts up to 60 mph in the evening decreasing to 45 mph after midnight. Chance of measurable rain 20 percent.</p> <p>The NWS Phoenix office has issued a Wind Advisory for the western portion of Imperial County (including Coyote Wells, Coolidge Springs, Salton City, Ocotillo, and Plaster City) effective through 5 am May 2. West</p>

wind 20 to 30 mph in the morning increasing to 25 to 40 mph in the afternoon, with gusts up to 50 mph. Expect patchy blowing dust through the day. For tonight, mostly clear in the evening then becoming partly cloudy. Patchy blowing dust in the evening. A slight chance of showers and thunderstorms with very windy conditions. West wind 25 to 40 mph in the evening decreasing to 20 to 30 mph after midnight. Gusts up to 50 mph in the evening decreasing to 40 mph after midnight. Chance of measurable rain 10 percent.

SYNOPSIS FROM THE SAN DIEGO OFFICE

A low pressure system will move into Southern California today then move slowly eastward on Wednesday. The low pressure system over the southwest states will bring cooler weather and periods of showers into Wednesday. For Thursday through Saturday high pressure will bring dry weather with a warming trend. For Sunday through Tuesday a weaker low pressure system to the north will bring a return of onshore flow which will spread cooling slowly inland.

SYNOPSIS FROM THE PHOENIX OFFICE

A low pressure system will move through the region Today and Wednesday bringing breezy conditions, areas of blowing dust, much cooler temperatures, and a slight chance of showers and thunderstorms. Tightened pressure gradient will lead to continued breeziness today, especially along and west of the Colorado River Valley. A wind advisory remains in place for western Imperial County through 5 AM Wednesday where gusts to 50 to 55 mph will be possible. In addition, winds will start to pick up this afternoon across the central and eastern portions of Imperial county and parts of eastern Riverside County where gusts to 50 mph will be likely. Due to very breezy conditions in southeast California, patchy areas of blowing dust will be possible and those driving on I-10 and I-8 should use extra caution this afternoon. Greatest rain chances around and northeast of the Phoenix metro. In the wake of this weather disturbance, high pressure will build across the region with lower elevations in the low 100s this weekend.

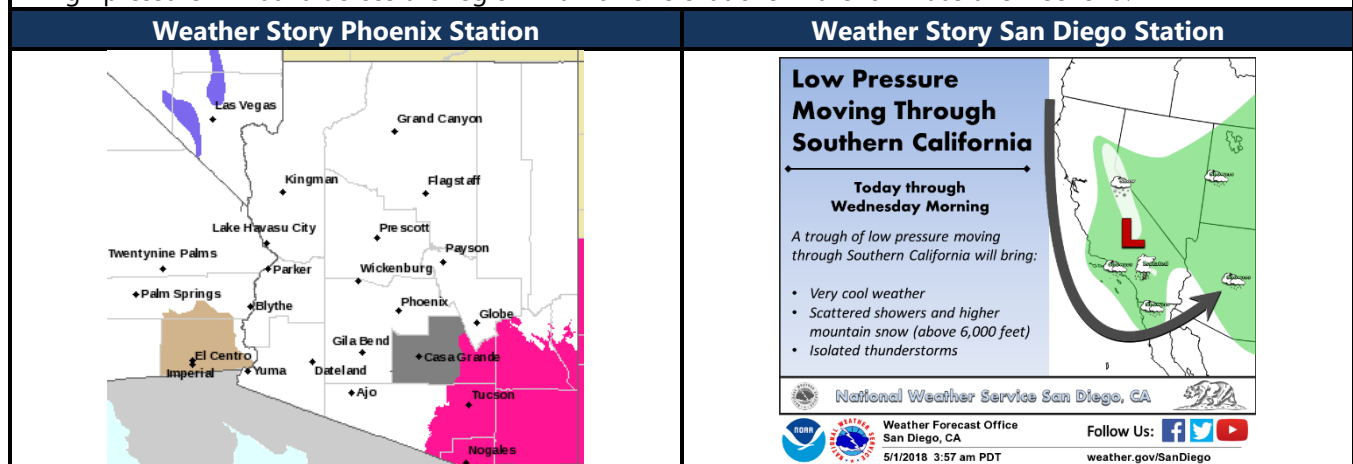


Fig C-7: Copy of the ICAPCD web-based advisory for Tuesday, May 1, 2018

FIGURE C-8
SAN DIEGO NWS OFFICE WEATHER STORY APRIL 28, 2018

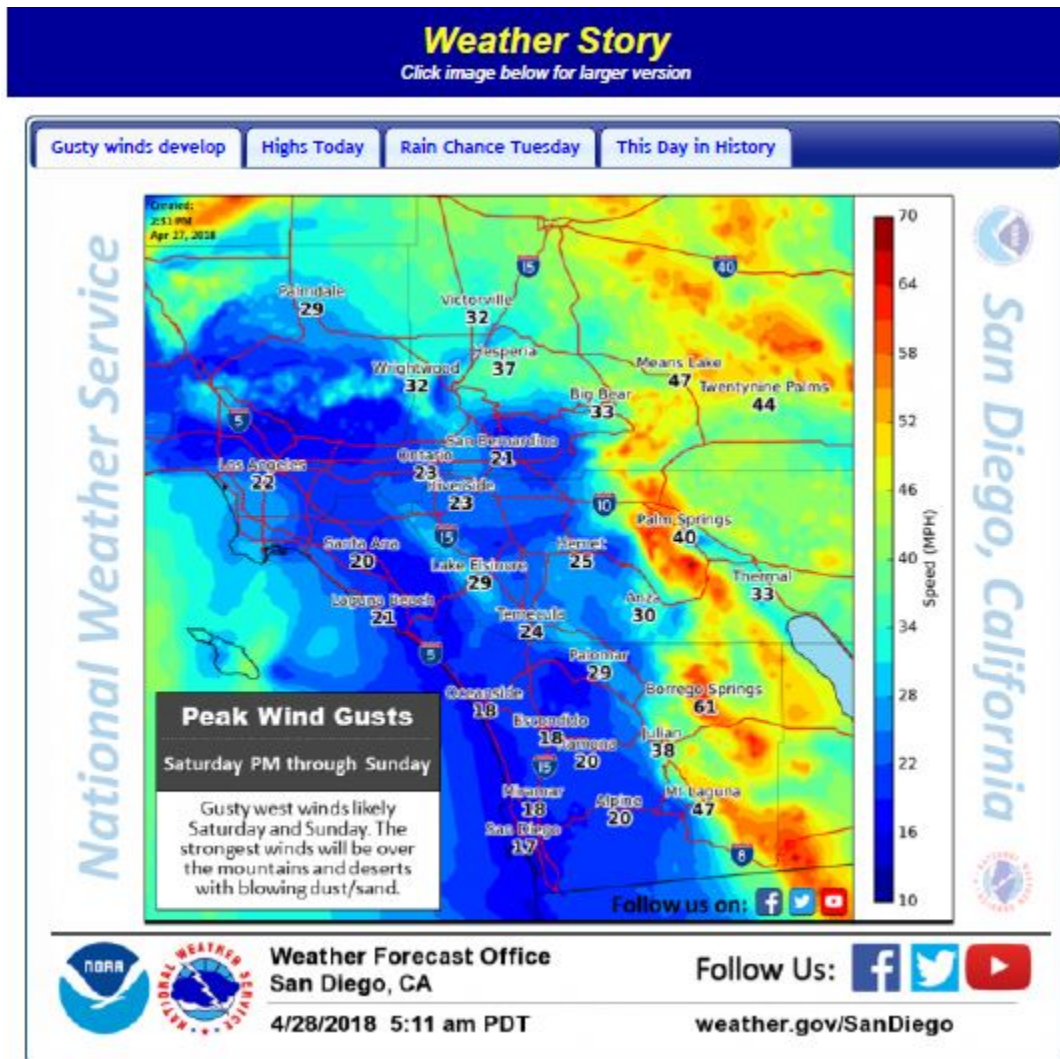


Fig C-8: Illustrates the high winds across the region

FIGURE C-9
SAN DIEGO NWS OFFICE WEATHER STORY APRIL 28, 2018



Fig C-9: Illustrates the forecast for a chance of precipitation in the San Diego County mountains

FIGURE C-10
PHOENIX WEATHER STORY APRIL 28, 2018

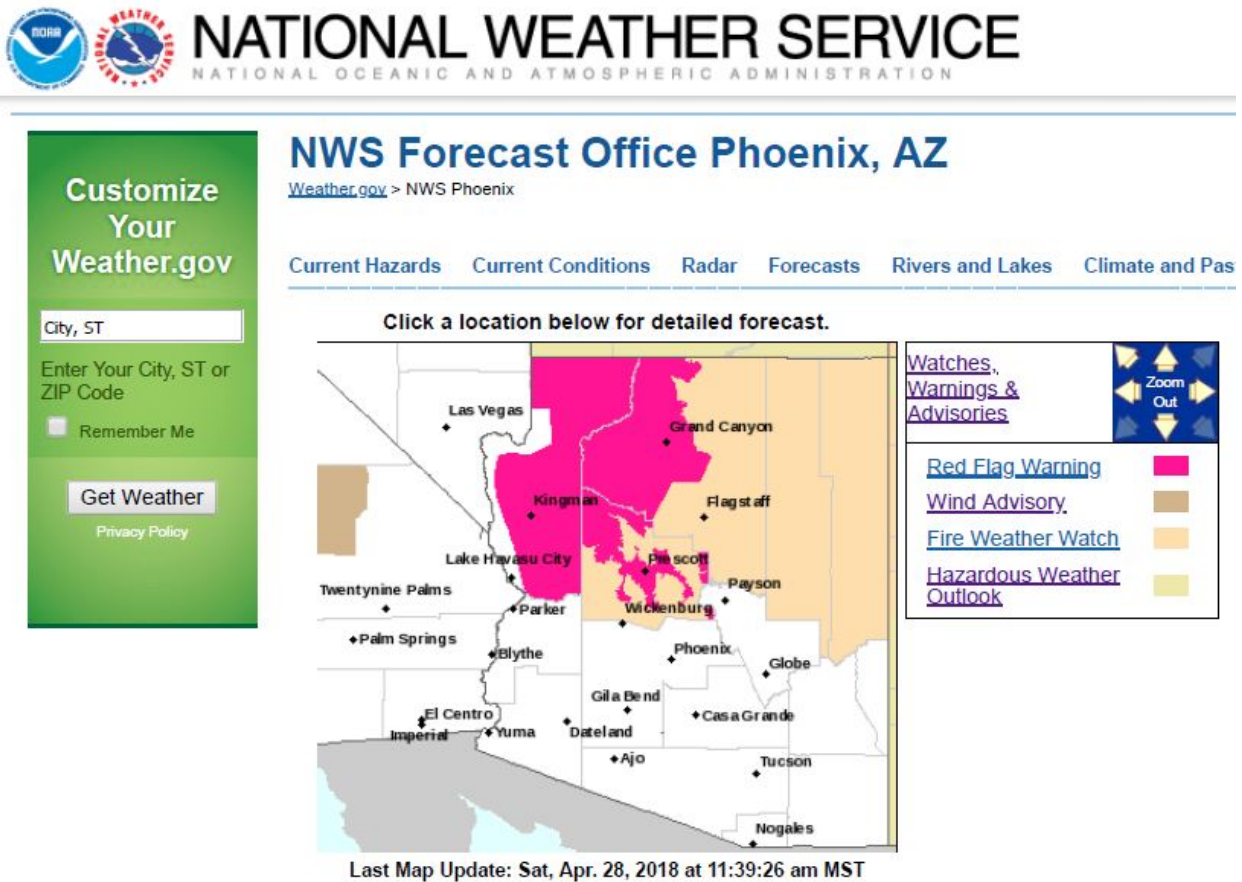


Fig C-10: Illustrates the extent of advisories across the region due to the high winds forecast

FIGURE C-11
PHOENIX NWS OFFICE WEATHER STORY APRIL 28, 2018



Fig C-11: Illustrates the extent of the fire conditions due to high winds across the region

FIGURE C-12
PHOENIX NWS OFFICE WEATHER STORY APRIL 28, 2018

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NWS Forecast Office Phoenix, AZ
Weather.gov > NWS Phoenix

NWS Phoenix
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather Local Programs

Blowing Dust and Strong Winds in SE California Sunday Afternoon

Expect areas of blowing dust to reduce visibility, especially near El Centro and along highways 78 & 86. Interstate 8 and Interstate 10 will also be impacted.

Gusts 40-50 mph will make travel difficult on all roads.

If visibility drops too low to drive safely...

- Pull all the way off the road
- Turn off your lights
- Take your foot off the brakes
- Wait until conditions improve

A low pressure system will enter the region Sunday pulling a front into southeast California. Strong winds over the San Diego mountains will descend into the western parts of Imperial County as well as further north into the western areas of Joshua Tree National Park. By the late afternoon hours, wind gusts in a 40-50 mph range will be possible over these areas affecting Interstates and State Highways. In addition to dangerous driving conditions for high profile vehicles, areas of dense blowing dust are possible. Motorists traveling through southeast California should be prepared and leave plenty of extra time to reach their destination.

[Hide Caption](#)

[Click a location below for detailed forecast.](#)

Fig C-12: Illustrates the extent of the high winds and blowing dust in the deserts

FIGURE C-13
SAN DIEGO NWS OFFICE WEATHER STORY APRIL 29, 2018

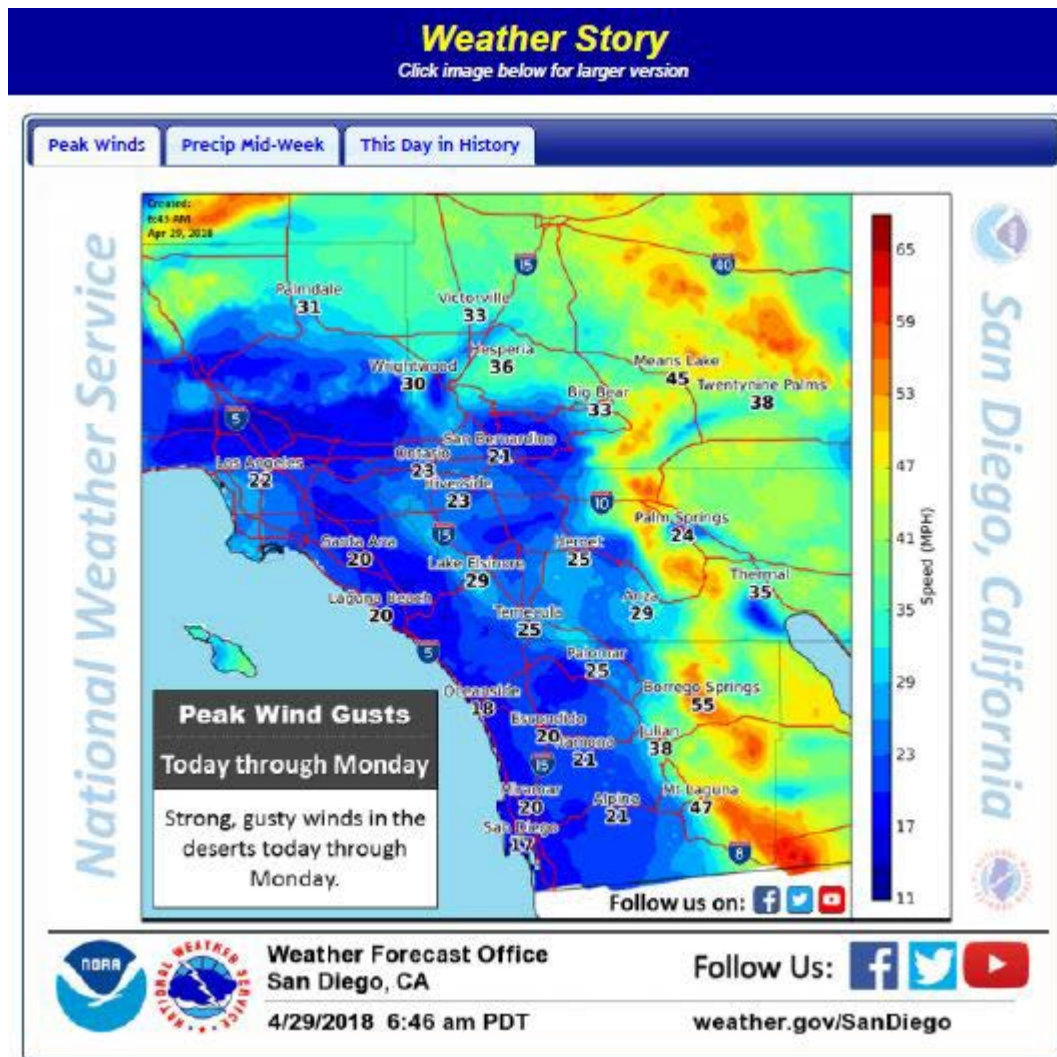


Fig C-13: Illustrates the extent of the high wind gusts across the region

FIGURE C-14
SAN DIEGO NWS OFFICE WEATHER STORY APRIL 29, 2018



Fig C-14: Illustrates the extent of precipitation in the San Diego County mountains across the region

FIGURE C-15
PHOENIX NWS OFFICE WEATHER STORY APRIL 29, 2018

NWS Forecast Office Phoenix, AZ

Weather.gov > NWS Phoenix

NWS Phoenix
Weather Forecast Office

[Current Hazards](#) [Current Conditions](#) [Radar](#) [Forecasts](#) [Rivers and Lakes](#) [Climate and Past Weather](#) [Local Programs](#)



Blowing Dust and Strong Winds in SE California Sunday Afternoon

Expect areas of blowing dust to reduce visibility, especially near El Centro and along highways 78 & 86. Interstate 8 and Interstate 10 will also be impacted.

Gusts 40-50 mph will make travel difficult on all roads.

If visibility drops too low to drive safely...

- Pull all the way off the road
- Turn off your lights
- Take your foot off the brakes
- Wait until conditions improve

A low pressure system will enter the region Sunday pulling a front into southeast California. Strong winds over the San Diego mountains will descend into the western parts of Imperial County as well as further north into the western areas of Joshua Tree National Park. By the late afternoon hours, wind gusts in a 40-50 mph range will be possible over these areas affecting Interstates and State Highways. In addition to dangerous driving conditions for high profile vehicles, areas of dense blowing dust are possible. Motorists traveling through southeast California should be prepared and leave plenty of extra time to reach their destination.

[Hide Caption](#)

Fig C-15: Illustrates the extent of high winds and blowing dust across the region

FIGURE C-16
SAN DIEGO NWS OFFICE WEATHER STORY MAY 1, 2018

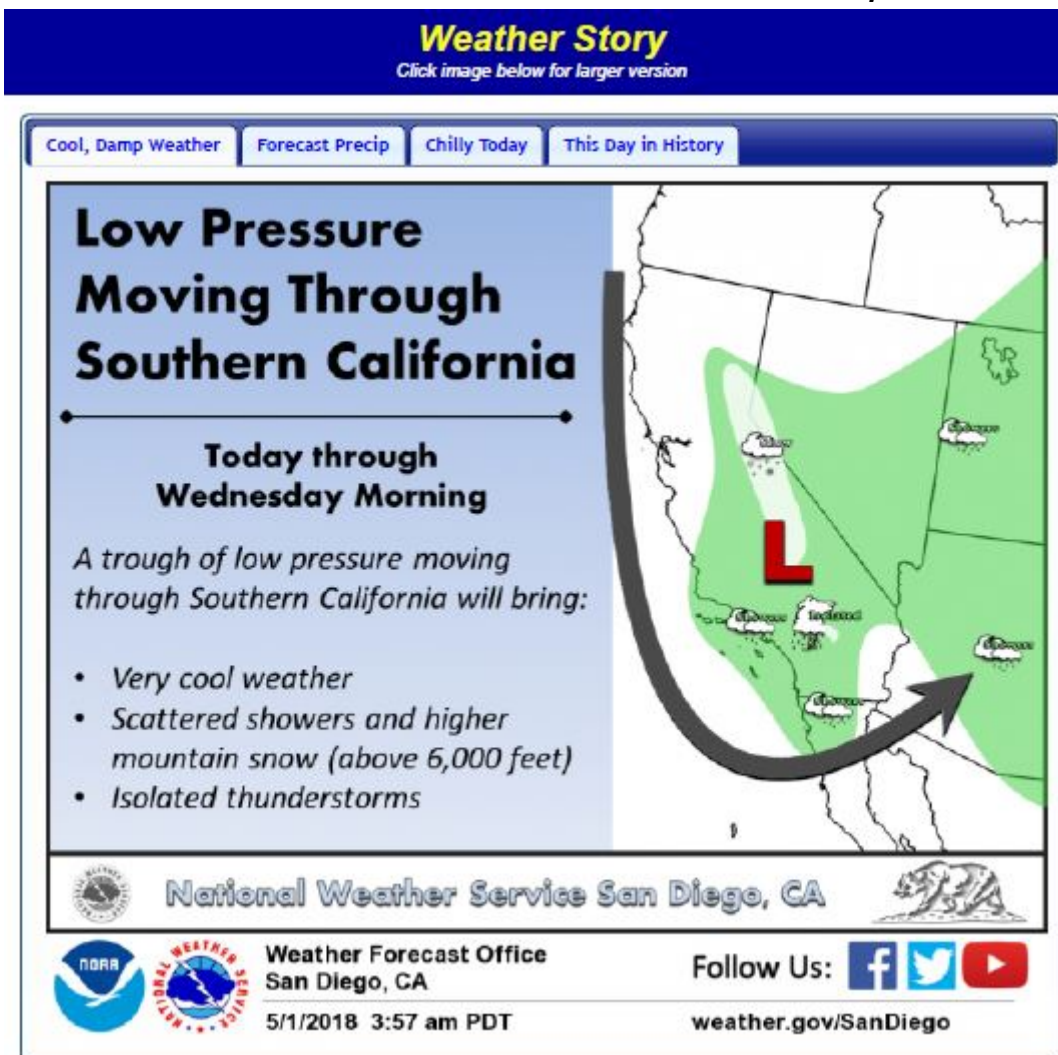


Fig C-16: Illustrates the extent of the low pressure that caused high winds across the region

FIGURE C-17
PHOENIX NWS OFFICE WEATHER STORY MAY 1, 2018



Fig C-17: Illustrates the extent of the advisories due to the high winds across the region

FIGURE C-18
PHOENIX NWS OFFICE WEATHER STORY MAY 1, 2018

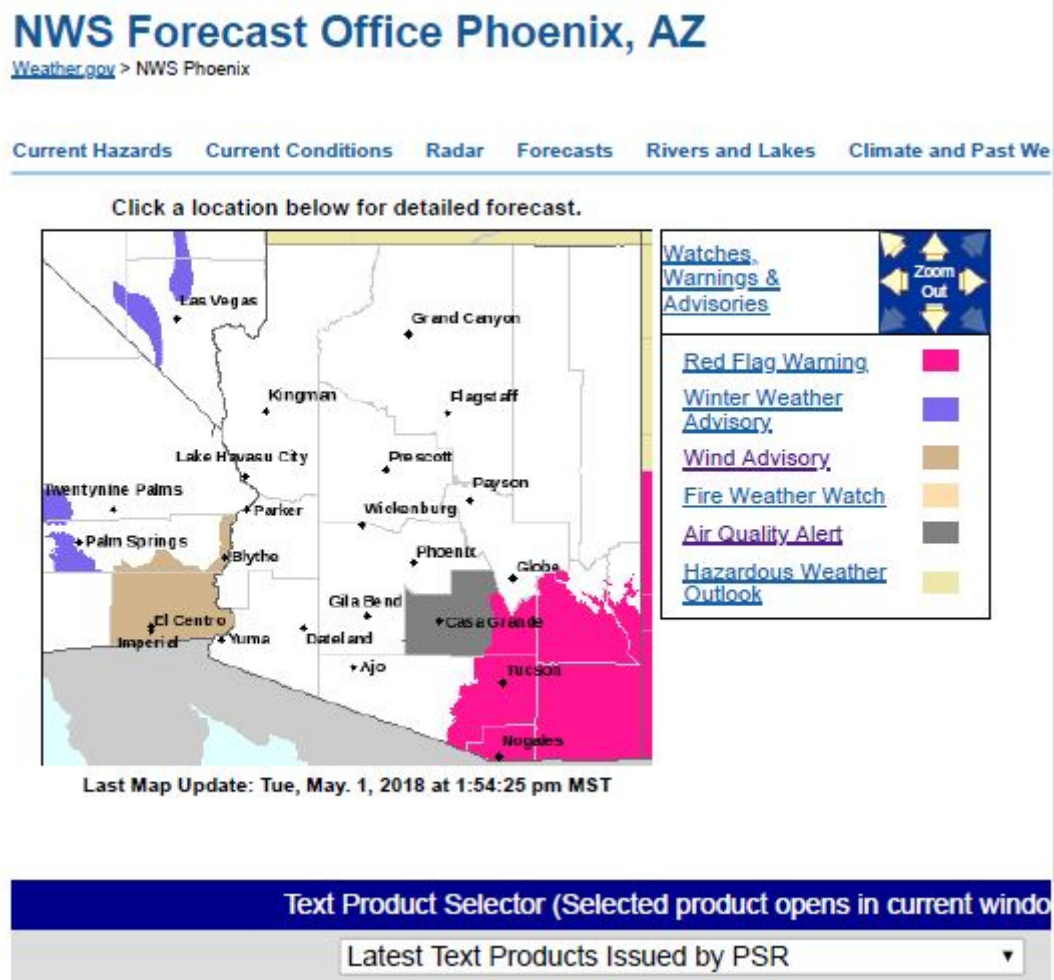


Fig C-18: Illustrates the revised extent of the advisories due to the high winds across the region

FIGURE C-19
PHOENIX NWS OFFICE WEATHER STORY MAY 1, 2018

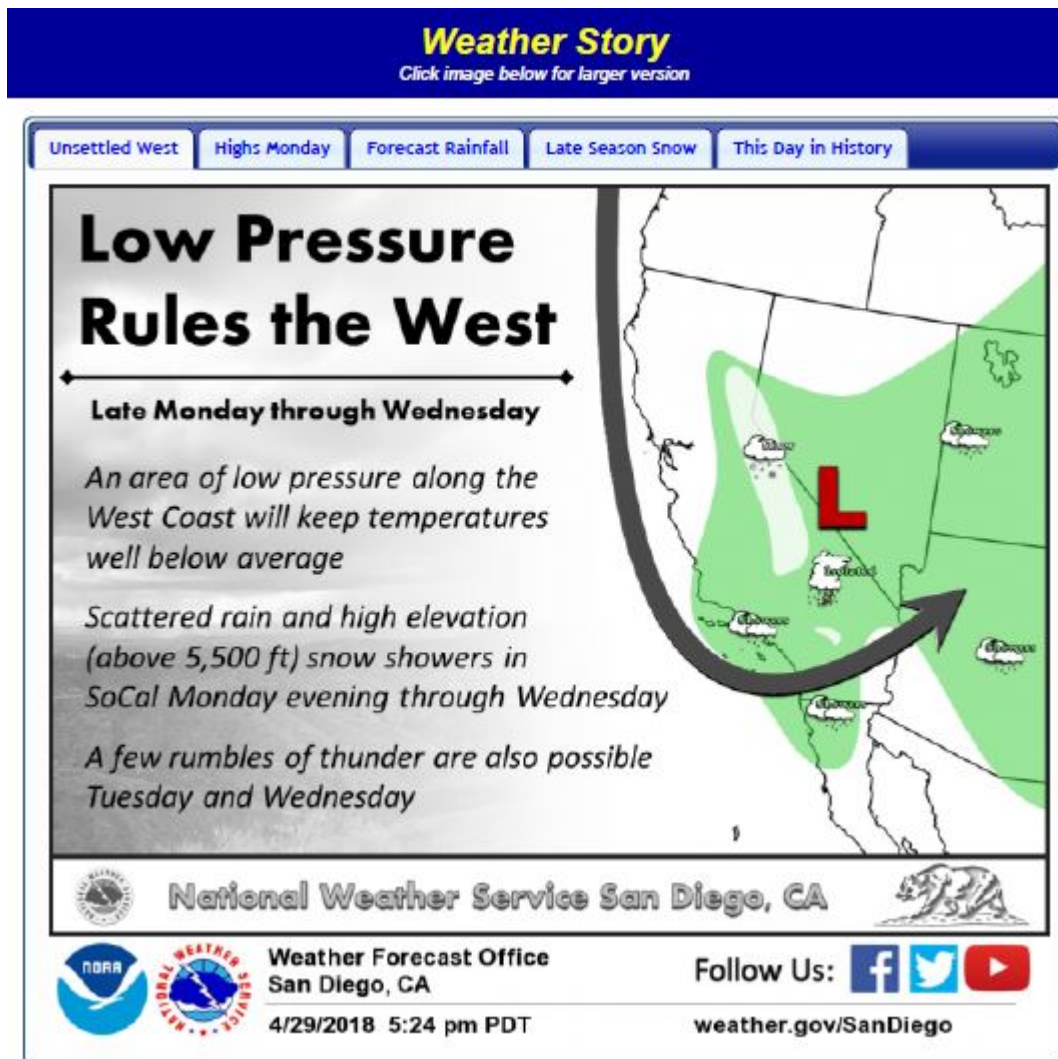


Fig C-19: Illustrates the extent of the low pressure that caused high winds across the region

FIGURE C-20

NOAA SMOKE TEXT PRODUCT SATELLITE SERVICES DIVISION

4/30/2018

Smoke Text Product - Satellite Services Division

Sunday, April 29, 2018

DESCRIPTIVE TEXT NARRATIVE FOR SMOKE/DUST OBSERVED IN SATELLITE IMAGERY
THROUGH 0230Z April 30, 2018

SMOKE:

Arizona/Utah/New Mexico/Arizona...

A wildfire increased significantly in size during the day over south central Coconino County of central Arizona resulting in a large dense smoke plume which spread rapidly to the northeast across the 4-corners region into southwestern Colorado. Wildfires with moderately dense to locally thick smoke spreading to the northeast were also noted over east central Arizona and over southwestern New Mexico. In south central Utah, a fire flared up with a moderately dense to thick smoke plume briefly seen in between breaks in the clouds.

Central US...

Numerous seasonal fires were detected across a broad portion of the Central US from Minnesota and the Great Lakes region southward to the Southern Plains. Many individual smoke plumes of mainly thin density were visible with some of these fires with a few of them combining to form larger patches of smoke.

Mexico/Central America...

Seasonal fires resulted in a very large mass of thin to moderately dense smoke which covered portions of Mexico, Central America, and the Bay of Campeche.

DUST:

Eastern North Dakota/Western Minnesota...

Some type of aerosol was visible moving rapidly to the north and across the border into south central Canada from numerous source regions of eastern North Dakota and western Minnesota. It is possible that strong gusty southerly winds have kicked up some loose soils there.

Southwestern US...

Many individual sources of blowing dust of thin to moderate density were noted over the interior portion of southern California from the Baja border northward over the Salton Sea to near the border with southern Nevada. This dust was generally moving to the east. Additional thin density blowing dust was visible from sources in southern Arizona including the Wilcox Playa (southeastern Arizona) and southern New Mexico including White Sands. This dust was moving mainly to the northeast.

JS

THIS TEXT PRODUCT IS PRIMARILY INTENDED TO DESCRIBE SIGNIFICANT AREAS OF SMOKE ASSOCIATED WITH ACTIVE FIRES AND SMOKE WHICH HAS BECOME DETACHED FROM THE FIRES AND DRIFTED SOME DISTANCE AWAY FROM THE SOURCE FIRE. TYPICALLY OVER THE COURSE OF ONE OR MORE DAYS. AREAS OF BLOWING DUST ARE ALSO DESCRIBED. USERS ARE ENCOURAGED TO VIEW A GRAPHIC DEPICTION OF THESE AND OTHER PLUMES WHICH ARE LESS EXTENSIVE AND STILL ATTACHED TO THE SOURCE FIRE IN VARIOUS GRAPHIC FORMATS ON OUR WEB SITE:

JPEG: <http://www.ospo.noaa.gov/Products/land/hms.html>

GIS: <http://www.firedetect.noaa.gov/viewer.htm>

KML: <http://www.ssd.noaa.gov/PS/FIRE/kml.html>

ANY QUESTIONS OR COMMENTS REGARDING THIS PRODUCT SHOULD BE SENT TO
SSDFireTeam@noaa.gov

Unless otherwise indicated:

- Areas of smoke are analyzed using GOES-EAST and GOES-WEST Visible satellite imagery.
- Only a general description of areas of smoke or significant smoke plumes will be analyzed.
- A quantitative assessment of the density/amount of particulate or the vertical distribution is not included.

<http://www.ssd.noaa.gov/PS/FIRE/DATA/SMOKE/2018D300307.html>

1/2

Fig C-20: A NOAA Smoke Text Product describing dust being transported across Imperial County

FIGURE C-21
AIR QUALITY INDEX

Air Quality Index Levels of Health Concern	Numerical Value	Meaning
Good	0 to 50	Air quality is considered satisfactory, and air pollution poses little or no risk.
Moderate	51 to 100	Air quality is acceptable; however, for some pollutants there may be a moderate health concern for a very small number of people who are unusually sensitive to air pollution.
Unhealthy for Sensitive Groups	101 to 150	Members of sensitive groups may experience health effects. The general public is not likely to be affected.
Unhealthy	151 to 200	Everyone may begin to experience health effects; members of sensitive groups may experience more serious health effects.
Very Unhealthy	201 to 300	Health alert: everyone may experience more serious health effects.
Hazardous	301 to 500	Health warnings of emergency conditions. The entire population is more likely to be affected.

Fig C-21: The Air Quality Index AQI is an index for reporting daily air quality. It tells you how clean or polluted your air is, and what associated health effects might be a concern for you. The AQI focuses on health affects you may experience within a few hours or days after breathing polluted air. EPA calculates the AQI for five major air pollutants regulated by the Clean Air Act: ground-level ozone, particle pollution (also known as particulate matter), carbon monoxide, sulfur dioxide, and nitrogen dioxide. For each of these pollutants, EPA has established national air quality standards to protect public health. Ground-level ozone and airborne particles are the two pollutants that pose the greatest threat to human health in this country. Source:

<https://airnow.gov/index.cfm?action=aqibasics.aqi>

FIGURE C-22

DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Sunday April 29 2018

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS:

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	66	NNW 3	10
8 AM	72	N 5	10
9 AM	77	N 7	10
10 AM	81	NNW 6	10
11 AM	85	NNW 6	10
NOON	87	CALM	10
1 PM	90	CALM	10
2 PM	94	N 6	10
3 PM	95	N 7	10
4 PM	93	W 18 G37	10
5 PM	91	WSW 20 G30	10
6 PM	86	WSW 23 G30	10
7 PM	80	WSW 25 G33	10

Max. Temperature yesterday was 95 degrees

Today's Mt. Signal Visibility at 7:30 AM YES NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 88 Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

Est. Time Mixing Height reaches 3000 feet 10:00AM

Forecast of Maximum Mixing Height	_____ feet	<u>7,500</u> feet
Forecast for Morning surface winds	<u>SW 10-15</u> mph	<u>SW 10-15</u> mph
Forecast for afternoon surface winds	<u>SW 20-25 G35</u> mph	<u>SW 20-25 G35</u> mph
Forecast for evening surface winds	<u>W 25-30 G 40</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>W 15-25</u> mph	

Comments/Complaints: _____

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day YES

Total actually burned today _____ acres Crops burned _____

(IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011) Int MC

Fig C-22: Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on April 29, 2018

FIGURE C-23 DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Monday April 30 2018

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	68	WNW 10	10
8 AM	70	W 10	10
9 AM	75	W 16 G21	10
10 AM	78	W 14	10
11 AM	81	W 11	10
NOON	84	W 11	10
1 PM	87	W 13	10
2 PM	89	W G 3120	10
3 PM	89	WSW 22 G35	10
4 PM	87	WSW 23 G37	10
5 PM	83	WSW 23 G36	10
6 PM	80	W 20 G31	10
7 PM	76	W 21	10

Max. Temperature yesterday was YES degrees

Today's Mt. Signal Visibility at 7:30 AM YES NCX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 85

Local Forecast (Issued 8 AM Local) Computer Forecast (RUC 40KM 12Z)

	9:00AM
Est. Time Mixing Height reaches 3000 feet	_____ feet
Forecast of Maximum Mixing Height	_____ feet
Forecast for Morning surface winds	W 10-20 G30 mph
Forecast for afternoon surface winds	W 10-20 G30 mph
Forecast for evening surface winds	W 15-25 g35 mph
Forecast 10 AM - 3 PM transport winds	W 10-15 mph

Comments/Complaints: _____

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day yes

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int: mc

Fig C-23: Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on April 30, 2018

FIGURE C-24

DAILY WEATHER AND AG BURNING INFORMATION

Imperial County Air Pollution Control District
Daily Weather and Ag. Burning Information

Date: Tuesday May 01 2018

Yesterday's Weather Observations at Imperial Airport (ASOS) FAA/NWS

LOCAL TIME	TEMP °F	WINDS MILES PER HOUR	VISIBILITY MILES
7 AM	60	W 7	10
8 AM	64	W 13	10
9 AM	70	W 14	10
10 AM	73	W 13	10
11 AM	76	WNW 8	10
NOON	79	W 11	10
1 PM	80	WSW 13 G20	10
2 PM	80	W 17	10
3 PM	80	WSW 18 G30	10
4 PM	79	W 20 G30	10
5 PM	76	WSW 26 G32	10
6 PM	72	WSW 21 G29	10
7 PM	70	W 16 G25	10

Max. Temperature yesterday was 80 degrees

Today's Mt. Signal Visibility at 7:30 AM YES NKX 12Z 500 MB Height _____
1Y7 12Z 500 MB Height _____

Forecasts
High Today 72

	Local Forecast (Issued 8 AM Local)	Computer Forecast (RUC 40KM 12Z)
Est. Time Mixing Height reaches 3000 feet		<u>9:00</u>
Forecast of Maximum Mixing Height		<u>6,500</u> feet
Forecast for Morning surface winds	<u>W 20-25</u> mph	<u>W 20-25</u> mph
Forecast for afternoon surface winds	<u>W 25-30 G40</u> mph	<u>W 25-30 G40</u> mph
Forecast for evening surface winds	<u>W 25-30 G45</u> mph	
Forecast 10 AM - 3 PM transport winds	<u>WSW 20-25</u> mph	

Comments/Complaints: _____

Burn Hours _____ ARB No Burn Day _____ District called No Burn Day YES

Total actually burned today _____ acres Crops burned _____

IMPERIAL COUNTY AIR POLLUTION CONTROL DISTRICT 2011 Int _____

Fig C-24: Is a copy of the Imperial County Air Pollution Control District official record of the conditions as they existed for a determination of a "No Burn" day on May 1, 2018

FIGURE C-26 IMPERIAL COUNTY AFFIDAVIT OF 30 DAY PUBLIC NOTICE

AFFIDAVIT OF PUBLICATION (2015.5 C.C.P.)

STATE OF CALIFORNIA

County of Imperial

I am a resident of the County aforesaid; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk* of the printer of the

Imperial Valley Press

a newspaper of general circulation, printed and published daily in the City of El Centro, County of Imperial and which newspaper has been adjudged a newspaper of general circulation by the Superior Court of the County of Imperial, State of California, under the date of October 9, 1951, Case Number 26775; that the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

09/20.

all in the year 2019

I certify (or declare) under penalty of perjury that the foregoing is true and correct.




SIGNATURE

Name of Account: I C AIR POLLUTION
CONTROL
Order Number: 11324959
Ad Number: 31574360

* Printer, Foreman of the Printer, or Principal Clerk of the Printer
Date: 21 st day of September, 2019.
at El Centro, California.

This space is for the County Clerk's
Filing Stamp:


AIR POLLUTION CONTROL DISTRICT
NOTICE OF AVAILABILITY
OF THE DEMONSTRATION OF THE OCCURRENCE
OF SEVEN EXCEPTIONAL EVENTS (EE)

The Imperial County Air Pollution Control District (Air District) has prepared seven Draft Exceptional Event (EE) Demonstrations, which support the requested exclusion of measured 24-hour concentrations at the Air District air monitoring sites. Listed below by date, site and concentration as measured by a continuous Federal Equivalent Method monitor (FEM) are the seven Draft EE's.

April 11-12, 2018 Niland-191 µg/m ³ ; Brawley-183 µg/m ³ ; Calexico -182 µg/m ³ ; El Centro-159 µg/m ³ ;	April 16, 2018 Brawley-407 µg/m ³ ; Calexico-407 µg/m ³ ; El Centro-173 µg/m ³ ; Niland-222 µg/m ³ ; Westmorland-351 µg/m ³
April 19, 2018 Brawley-334 µg/m ³ ; Calexico-178 µg/m ³ ; Westmorland-186 µg/m ³	April 29, 2018 to May 1, 2018 Brawley-310 µg/m ³ ; Niland-243 µg/m ³ ; Westmorland-208 µg/m ³ ; Brawley-270 µg/m ³ ; Niland-182 µg/m ³ ; Westmorland-207 µg/m ³ ; Brawley-157 µg/m ³
May 11, 2018 Brawley-335 µg/m ³ ; El Centro-186 µg/m ³ ; Niland-215 µg/m ³ ; Westmorland-414 µg/m ³	June 17, 2018 Brawley-168 µg/m ³
May 25, 2018 Brawley-169 µg/m ³ ; Calexico -156 µg/m ³	

The public and all interested parties are encouraged to review and comment on the seven Draft EE listed above. These demonstrations provide the supporting evidence that on the days indicated 2018 Air District air monitors were affected by transported elevated levels of particulate matter of aerodynamic size less than 10 microns (PM₁₀). Winds, associated with a weather event suspended and transported PM₁₀ into the region affecting areas within San Diego, Riverside, Yuma and Imperial counties. The seven Draft EE's provide the scientific justification for the requested exclusion. The Air District is soliciting and accepting comments for 30 days commencing the date of the publication of this notice. The final closing date for submitting comments is October 20, 2019 by close business.

The seven Draft EE's for the days listed above are available for download at the Air District website at <https://apcd.imperialcounty.org/public-notice/> (under Public Notices; Exceptional Event). To view a hard copy of any of the seven Draft EE's, please visit the Air Pollution Control District office at 150 S. 9th Street, El Centro. Should you have any questions or concerns please feel free to call our office between 8am and 5pm at (442) 295-1800 and ask for Monica N. Souder.

Fig C-26: Is a copy of the Imperial County Air Pollution Control District official record (affidavit) affirming the publication of the notice of availability of the Exceptional Events Demonstration for April 29, April 30, and May 1, 2018. The date for closing comments was October 20, 2019

FIGURE C-27 IMPERIAL COUNTY COMMENTS REGARDING THE APRIL 29 THROUGH MAY 1, 2018 EE DEMONSTRATION

Awaiting Final Comment Period