

Paperwork Reduction Act

A Federal agency may not conduct or sponsor, and a person is not required to respond to, nor shall a person be subject to a penalty for failure to comply with an information collection subject to the requirements of the Paperwork Reduction Act of 1995 unless the information collection has a currently valid OMB Control Number. The approved OMB Control Number for this information collection is 0648-0342. Without this approval, we could not conduct this survey. Public reporting for this information collection is estimated to be approximately 1-5 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the information collection. All responses to this information collection are voluntary. Send comments regarding this burden estimate or any other aspect of this information collection, including suggestions for reducing this burden to the National Weather Service/Analyze, Forecast and Support Office, Elliott.Jacks@noaa.gov.

Survey Instrument

Introduction

For decades, the National Weather Service (NWS) has used the "Watch, Warning, and Advisory" (WWA) system to make users aware of expected weather and water hazards. Social science research with NWS meteorologists, core partners, and the public has found that these three WWA terms can be misunderstood and/or confused. Based on this research, we are now proposing changes to the WWA system. In this survey, we're asking for your feedback on the proposed changes.

Thank you for taking the time to complete our survey.

Questions 1 and 2 will be asked for each of the surveys. Questions 3-5 will vary slightly based on the specific hazard and contain a graphical example prior to the question.

Demographics

Before we begin the survey, we'd like to ask you a few questions about yourself. These answers will help us ensure that we capture the perspectives of a broad range of people from different backgrounds. If you feel uncomfortable answering any particular question, you may skip it.

1. What is your affiliation?

- Individual
- Student/teacher K-12
- University student
- University faculty/staff
- Other research institution
- Business/industry
- NOAA
- Other Federal government
- News media
- State/local government
- Other _____

2. Where are you located?

Drop-down of all US States and territories provided

Core Survey Covering Most Hazards:

The following two questions would be used for the core survey that would cover the majority of hazards (excepting the ones listed below this section that require specific questions). In addition to the core survey, question #3 below would be used during partner webinars as a poll question.

Sample Winter product example to be used in the survey:

<u>Current</u>	<u>Proposed</u>
<p>WSWLWX URGENT - WINTER WEATHER MESSAGE National Weather Service Baltimore MD/Washington DC 207 PM EST Wed Jan 3 2018</p> <p>MDZ011-013-014-016-507-508-VAZ057-040500- /O.EXA.KLWX.WW.Y.0001.180104T0300Z-180104T1600Z/ Southern Baltimore-Prince Georges-Anne Arundel-Charles- Northwest Harford-Southeast Harford-King George- 207 PM EST Wed Jan 3 2018</p> <p>...WINTER WEATHER ADVISORY IN EFFECT FROM 10 PM THIS EVENING TO 11 AM EST THURSDAY...</p> <p>* WHAT...Total snow accumulations of 2 to 4 inches are expected.</p> <p>* WHERE...Portions of central, northern and southern Maryland and central Virginia.</p> <p>* WHEN...From 10 PM this evening to 11 AM EST Thursday.</p> <p>* IMPACTS...Snow will quickly stick on roads and sidewalks, making the Thursday morning commute dangerous. Visibility will be reduced to under 1 mile at times in snow. Bitterly cold conditions will follow for late Thursday through the weekend causing snow to remain on untreated surfaces.</p>	<p>WSWLWX Winter Weather Statement National Weather Service Baltimore MD/Washington DC 207 PM EST Wed Jan 3 2018</p> <p>MDZ011-013-014-016-507-508-VAZ057-040500- /O.EXA.KLWX.WW.S.0001.180104T0300Z-180104T1600Z/ Southern Baltimore-Prince Georges-Anne Arundel-Charles- Northwest Harford-Southeast Harford-King George- 207 PM EST Wed Jan 3 2018</p> <p>...2 to 4 inches of snow this evening into tomorrow morning...</p> <p>* WHAT...Total snow accumulations of 2 to 4 inches are expected.</p> <p>* WHERE...Portions of central, northern and southern Maryland and central Virginia.</p> <p>* WHEN...From 10 PM this evening to 11 AM EST Thursday.</p> <p>* IMPACTS...Snow will quickly stick on roads and sidewalks, making the Thursday morning commute dangerous. Visibility will be reduced to under 1 mile at times in snow. Bitterly cold conditions will follow for late Thursday through the weekend causing snow to remain on untreated surfaces.</p>

3. Please share your level of agreement/disagreement with the following statement:

NWS should discontinue the use of Advisory, Special Weather Statement (SPS), and Short Term Forecast (NOW) terms in favor of a plain language headline.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

El Niño/La Niña Survey:

Sample ENSO Alert headline examples to be used in the survey:

<u>Set A (Current)</u>	<u>Set B (Proposed)</u>
ENSO Alert System Status: El Niño Advisory Synopsis: Weak El Niño conditions have started and are expected to continue through the Northern Hemisphere spring 2019 (~55% chance).	ENSO Alert System Status: El Niño In Effect Synopsis: Weak El Niño conditions have started are expected to continue through the Northern Hemisphere spring 2019 (~55% chance).
ENSO Alert System Status: Final El Niño Advisory Synopsis: El Niño conditions have ended and transitioned to ENSO-neutral, which is most likely to continue through Northern Hemisphere winter 2019-20 (50-55% chance).	ENSO Alert System Status: El Niño Ended Synopsis: El Niño conditions have ended and transitioned to ENSO-neutral, which is most likely to continue through Northern Hemisphere winter 2019-20 (50-55% chance).

3. Which set of headlines do you prefer?

- Set A (Current)
- Set B (Proposed)
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

High Surf Advisory survey:

Sample High Surf Advisory example to be used in the survey:

Current	Proposed
<p>Coastal Hazard Message National Weather Service Los Angeles/Oxnard CA 306 AM PST Fri Jan 10 2020</p> <p>CAZ034-035-101915- /O.CON.KLOX.SU.Y.0003.000000T0000Z-200111T0400Z/ San Luis Obispo County Central Coast- Santa Barbara County Central Coast- 306 AM PST Fri Jan 10 2020</p> <p>...HIGH SURF ADVISORY REMAINS IN EFFECT UNTIL 8 PM PST THIS EVENING...</p> <p>* WHAT...Breaking waves of 8-10 feet with dangerous rip currents.</p> <p>* WHERE...West-facing beaches of the San Luis Obispo County and Santa Barbara County Central Coast.</p> <p>* WHEN...Until 8 PM PST this evening.</p> <p>* IMPACTS...There is an increased risk for ocean drowning. Rip currents can pull swimmers and surfers out to sea. Large breaking waves can cause injury, wash people off beaches and rocks, and capsize small boats near shore.</p> <p>* ADDITIONAL DETAILS...A high tide near 6.5 feet will occur around 8 am this morning.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>Remain out of the water due to dangerous surf conditions, or stay near occupied lifeguard towers. Rock jetties can be deadly in such conditions, stay off the rocks.</p>	<p>Coastal Hazard Message National Weather Service Los Angeles/Oxnard CA 306 AM PST Fri Jan 10 2020</p> <p>CAZ034-035-101915- /O.CON.KLOX.SU.S.0003.000000T0000Z-200111T0400Z/ San Luis Obispo County Central Coast- Santa Barbara County Central Coast- 306 AM PST Fri Jan 10 2020</p> <p>...HIGH SURF CONDITIONS REMAIN UNTIL 8 PM PST THIS EVENING...</p> <p>* WHAT...Breaking waves of 8-10 feet with dangerous rip currents.</p> <p>* WHERE...West-facing beaches of the San Luis Obispo County and Santa Barbara County Central Coast.</p> <p>* WHEN...Until 8 PM PST this evening.</p> <p>* IMPACTS...There is an increased risk for ocean drowning. Rip currents can pull swimmers and surfers out to sea. Large breaking waves can cause injury, wash people off beaches and rocks, and capsize small boats near shore.</p> <p>* ADDITIONAL DETAILS...A high tide near 6.5 feet will occur around 8 am this morning.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>Remain out of the water due to dangerous surf conditions, or stay near occupied lifeguard towers. Rock jetties can be deadly in such conditions, stay off the rocks.</p>

3. Please share your level of agreement/disagreement with the following statement:

NWS should transition High Surf Advisory to a plain language headline.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Small Craft Advisory survey:

3. Please share your level of agreement/disagreement with the following statement:

NWS should rename its Small Craft Advisory to Small Craft Warning as part of this proposed change.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Tsunami survey:

Sample Tsunami product examples to be used in the survey:

<u>Current</u>	<u>Option A</u>																		
<p>BULLETIN Tsunami Message Number 1 NWS National Tsunami Warning Center Palmer AK 1114 AM PDT Fri Jul 8 2016</p> <p>AKZ187-195-191-081944- /T.NEW.PAAQ.TS.Y.0086.160708T1814Z-000000T0000Z/ Coastal areas between and including Samalga Pass, Alaska (30 miles SW of Nikolski) to Attu, Alaska 1114 AM PDT Fri Jul 8 2016</p> <p>...A TSUNAMI ADVISORY IS NOW IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF ALASKA FROM SAMALGA PASS ALASKA /WHICH IS LOCATED 30 MILES SW OF NIKOLSKI/ TO ATTU ALASKA...</p> <p>If you are located in this coastal area, move off the beach and out of harbors and marinas.</p> <p>Tsunami advisories mean that a tsunami capable of producing strong currents or waves dangerous to persons in or very near the water is expected or is already occurring. Areas in the advisory should not expect widespread inundation. Tsunamis are a series of waves dangerous many hours after initial arrival time. The first wave may not be the largest.</p> <p>At 1109 AM Pacific Daylight Time on July 8 an earthquake with preliminary magnitude 8.2 occurred 90 miles southeast of Petropavlovsk Kamchatka.</p> <p>Estimated tsunami start times for selected sites are:</p> <table border="0"> <tr> <td>Shemya</td> <td>Alaska</td> <td>1130 AM. AKDT. July 8.</td> </tr> <tr> <td>Adak</td> <td>Alaska</td> <td>1230 PM. AKDT. July 8.</td> </tr> <tr> <td>Saint Paul</td> <td>Alaska</td> <td>145 PM. AKDT. July 8.</td> </tr> </table>	Shemya	Alaska	1130 AM. AKDT. July 8.	Adak	Alaska	1230 PM. AKDT. July 8.	Saint Paul	Alaska	145 PM. AKDT. July 8.	<p>BULLETIN Tsunami Message Number 1 NWS National Tsunami Warning Center Palmer AK 1114 AM PDT Fri Jul 8 2016</p> <p>AKZ187-195-191-081944- /T.NEW.PAAQ.MH.W.0086.160708T1814Z-000000T0000Z/ Coastal areas between and including Samalga Pass, Alaska (30 miles SW of Nikolski) to Attu, Alaska 1114 AM PDT Fri Jul 8 2020</p> <p>...A TSUNAMI WARNING FOR STRONG CURRENTS OR INCREASED WATER LEVELS OF .3 TO 1 METER NEAR SHORE IS NOW IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF ALASKA FROM SAMALGA PASS ALASKA /WHICH IS LOCATED 30 MILES SW OF NIKOLSKI/ TO ATTU ALASKA...</p> <p>If you are located in this coastal area, move off the beach and out of harbors and marinas.</p> <p>Tsunami warnings of this level mean that a tsunami capable of producing strong currents, anomalous waves, and/or higher than average water level that can be dangerous to persons in or very near the water is expected or is already occurring. Damage to boats and harbors is also possible. Areas in the warning area should not expect widespread inundation, although low-level inundation is possible.</p> <p>At 1109 AM Pacific Daylight Time on July 8 an earthquake with preliminary magnitude 8.2 occurred 90 miles southeast of Petropavlovsk Kamchatka.</p> <p>Estimated tsunami start times for selected sites are:</p> <table border="0"> <tr> <td>Shemya</td> <td>Alaska</td> <td>1130 AM. AKDT. July 8.</td> </tr> <tr> <td>Adak</td> <td>Alaska</td> <td>1230 PM. AKDT. July 8.</td> </tr> <tr> <td>Saint Paul</td> <td>Alaska</td> <td>145 PM. AKDT. July 8.</td> </tr> </table>	Shemya	Alaska	1130 AM. AKDT. July 8.	Adak	Alaska	1230 PM. AKDT. July 8.	Saint Paul	Alaska	145 PM. AKDT. July 8.
Shemya	Alaska	1130 AM. AKDT. July 8.																	
Adak	Alaska	1230 PM. AKDT. July 8.																	
Saint Paul	Alaska	145 PM. AKDT. July 8.																	
Shemya	Alaska	1130 AM. AKDT. July 8.																	
Adak	Alaska	1230 PM. AKDT. July 8.																	
Saint Paul	Alaska	145 PM. AKDT. July 8.																	
<u>Option B</u>	<u>Option C</u>																		
<p>BULLETIN Marine Hazard Message Number 1 NWS National Tsunami Warning Center Palmer AK 1114 AM PDT Fri Jul 8 2020</p> <p>AKZ187-195-191-081944- /T.NEW.PAAQ.MH.W.0086.160708T1814Z-000000T0000Z/ Coastal areas between and including Samalga Pass, Alaska (30 miles SW of Nikolski) to Attu, Alaska 1114 AM PDT Fri Jul 8 2020</p> <p>...A MARINE HAZARD WARNING FOR STRONG CURRENTS OR INCREASED WATER LEVELS OF .3 TO 1 METER NEAR SHORE IS NOW IN EFFECT FOR THE COASTAL AREAS OF ALASKA FROM SAMALGA PASS ALASKA /WHICH IS LOCATED 30 MILES SW OF NIKOLSKI/ TO ATTU ALASKA...</p> <p>If you are located in this coastal area, move off the beach and out of harbors and marinas.</p> <p>This Marine Hazard, the result of a small tsunami capable of producing strong currents, dangerous waves, or higher-than-average water levels in or very near the water is expected or is already occurring. Damage to boats and harbors is also possible. Areas in the warning area should not expect widespread inundation, although low-level inundation is possible. Stay away from the shore/harbors until you are notified that the warning has been lifted. Tsunamis are a series of waves dangerous many hours after initial arrival time. The first wave may not be the largest.</p> <p>At 1109 AM Pacific Daylight Time on July 8 an earthquake with preliminary magnitude 8.2 occurred 90 miles southeast of Petropavlovsk Kamchatka.</p> <p>Estimated tsunami start times for selected sites are:</p> <table border="0"> <tr> <td>Shemya</td> <td>Alaska</td> <td>1130 AM. AKDT. July 8.</td> </tr> <tr> <td>Adak</td> <td>Alaska</td> <td>1230 PM. AKDT. July 8.</td> </tr> <tr> <td>Saint Paul</td> <td>Alaska</td> <td>145 PM. AKDT. July 8.</td> </tr> </table>	Shemya	Alaska	1130 AM. AKDT. July 8.	Adak	Alaska	1230 PM. AKDT. July 8.	Saint Paul	Alaska	145 PM. AKDT. July 8.	<p>BULLETIN Tsunami Message Number 1 NWS National Tsunami Warning Center Palmer AK 1114 AM PDT Fri Jul 8 2020</p> <p>AKZ187-195-191-081944- /T.NEW.PAAQ.TS.W.0086.160708T1814Z-000000T0000Z/ Coastal areas between and including Samalga Pass, Alaska (30 miles SW of Nikolski) to Attu, Alaska 1114 AM PDT Fri Jul 8 2020</p> <p>...A COASTAL AND MARINE TSUNAMI WARNING FOR STRONG CURRENTS, OR HIGHER THAN AVERAGE WATER LEVELS OF .3 TO 1 METER NEAR SHORE IS NOW IN EFFECT WHICH INCLUDES THE COASTAL AREAS OF ALASKA FROM SAMALGA PASS ALASKA /WHICH IS LOCATED 30 MILES SW OF NIKOLSKI/ TO ATTU ALASKA...</p> <p>If you are located in this coastal area, move off the beach and out of harbors and marinas.</p> <p>A Coastal and Marine Tsunami Warning means that a tsunami capable of producing dangerous strong currents, anomalous waves, or higher-than average water levels in or very near the water is expected or is already occurring. Damage to boats and harbors is also possible. Areas in the warning area should not expect widespread inundation, although low-level inundation is possible. Stay away from the shore/harbors until you are notified that the warning has been lifted. Tsunamis are a series of waves dangerous many hours after initial arrival time. The first wave may not be the largest.</p> <p>At 1109 AM Pacific Daylight Time on July 8 an earthquake with preliminary magnitude 8.2 occurred 90 miles southeast of Petropavlovsk Kamchatka.</p> <p>Estimated tsunami start times for selected sites are:</p> <table border="0"> <tr> <td>Shemya</td> <td>Alaska</td> <td>1130 AM. AKDT. July 8.</td> </tr> <tr> <td>Adak</td> <td>Alaska</td> <td>1230 PM. AKDT. July 8.</td> </tr> <tr> <td>Saint Paul</td> <td>Alaska</td> <td>145 PM. AKDT. July 8.</td> </tr> </table>	Shemya	Alaska	1130 AM. AKDT. July 8.	Adak	Alaska	1230 PM. AKDT. July 8.	Saint Paul	Alaska	145 PM. AKDT. July 8.
Shemya	Alaska	1130 AM. AKDT. July 8.																	
Adak	Alaska	1230 PM. AKDT. July 8.																	
Saint Paul	Alaska	145 PM. AKDT. July 8.																	
Shemya	Alaska	1130 AM. AKDT. July 8.																	
Adak	Alaska	1230 PM. AKDT. July 8.																	
Saint Paul	Alaska	145 PM. AKDT. July 8.																	

3. Which of the examples most clearly illustrates the nature of this lower-level tsunami hazard?

- Current Product
- Option A
- Option B
- Option C
- I don't know

4. Which of the examples provides the best guidance on the actions needed to be taken by people at the coast during such an event?

- Current Product
- Option A
- Option B
- Option C
- I don't know

5. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Updating Warnings survey:

Sample Severe Weather Statement examples to be used in the survey:

<u>Current</u>	<u>Proposed</u>
<p>SVSCHS</p> <p>Severe Weather Statement National Weather Service Charleston SC 145 PM EST Tue Dec 17 2019</p> <p>GAC267-171915- /O.CON.KCHS.SV.W.0110.000000T0000Z-191217T1915Z/ Tattnall GA- 145 PM EST Tue Dec 17 2019</p> <p>...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 215 PM EST FOR TATNALL COUNTY...</p> <p>At 144 PM EST, a severe thunderstorm was located over Mendes, moving northeast at 40 mph.</p> <p>HAZARD...60 mph wind gusts.</p> <p>SOURCE...Radar indicated.</p> <p>IMPACT...Expect damage to trees and powerlines.</p> <p>Locations impacted include... Glennville, Manassas and Mendes.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>A tornado watch remains in effect for the warned area. Tornadoes can develop quickly from severe thunderstorms. Although a tornado is not immediately likely, if one is spotted act quickly and move to a place of safety inside a sturdy structure, such as a basement or small interior room.</p>	<p>SVRCHS</p> <p>Severe Thunderstorm Warning National Weather Service Charleston SC 145 PM EST Tue Dec 17 2019</p> <p>GAC267-171915- /O.CON.KCHS.SV.W.0110.000000T0000Z-191217T1915Z/ Tattnall GA- 145 PM EST Tue Dec 17 2019</p> <p>...A SEVERE THUNDERSTORM WARNING REMAINS IN EFFECT UNTIL 215 PM EST FOR TATNALL COUNTY...</p> <p>At 144 PM EST, a severe thunderstorm was located over Mendes, moving northeast at 40 mph.</p> <p>HAZARD...60 mph wind gusts.</p> <p>SOURCE...Radar indicated.</p> <p>IMPACT...Expect damage to trees and powerlines.</p> <p>Locations impacted include... Glennville, Manassas and Mendes.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>A tornado watch remains in effect for the warned area. Tornadoes can develop quickly from severe thunderstorms. Although a tornado is not immediately likely, if one is spotted act quickly and move to a place of safety inside a sturdy structure, such as a basement or small interior room.</p>

3. Please share your level of agreement/disagreement with the following statement:

NWS should update Severe Thunderstorm Warning, Tornado Warning, Extreme Wind Warning, Flash Flood Warning, Flood Warning, and Special Marine Warning within the same Warning product (and PIL) rather than through a separate statement product.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Emergency level - survey version 1

Sample Ice Storm Warning product examples to be used in the survey:

Current

...ICE STORM WARNING REMAINS IN EFFECT UNTIL 1 PM EST THURSDAY...

- * WHAT...Freezing rain with some snow and sleet. Widespread amounts of one quarter to three quarters of an inch of ice, with isolated totals in excess of one inch of ice.
- * WHERE... Along and either side of a line from Franklin to Newnan and Peachtree City to Warrenton.
- * WHEN... Snow...sleet and freezing rain will begin this morning. This will gradually changeover to all freezing rain today. The activity should end as light snow late tonight into Thursday morning.
- * IMPACTS...These high ice accumulation amounts will make travel impossible. This has the potential to be a catastrophic event. Widespread and extended power outages are likely as ice accumulates on trees and powerlines and brings them down. Please prepare to be without power in some locations for days and perhaps as long as a week. Once the ice begins to melt on Thursday and Friday...falling ice from bridges and overpasses will create an additional hazard. In addition, winds in conjunction with the ice will exacerbate the potential for falling trees.

Option A

...ICE STORM EMERGENCY REMAINS IN EFFECT UNTIL 1 PM EST THURSDAY...

- * WHAT...Widespread ice accumulation, ranging from one quarter to three quarters of an inch, with isolated totals in excess of one inch.
- * WHERE... Along and either side of a line from Franklin to Newnan and Peachtree City to Warrenton.
- * WHEN... Mixed precipitation begins this morning, gradually changing to freezing rain today. The precipitation should end as light snow late tonight into Thursday morning.
- * IMPACTS...THIS HAS THE POTENTIAL TO BE A CATASTROPHIC EVENT. Widespread, extended power outages are expected due to fallen powerlines and trees. Prepare to be without power in some locations for several days. Travel will be dangerous and next to impossible.

Option B

...ICE STORM WARNING REMAINS IN EFFECT UNTIL 1 PM EST THURSDAY...

- * THIS IS A PARTICULARLY DANGEROUS SITUATION.
- * WHAT...Widespread ice accumulation, ranging from one quarter to three quarters of an inch, with isolated totals in excess of one inch.
- * WHERE... Along and either side of a line from Franklin to Newnan and Peachtree City to Warrenton.
- * WHEN... Mixed precipitation begins this morning, gradually changing to freezing rain today. The precipitation should end as light snow late tonight into Thursday morning.
- * IMPACTS...THIS HAS THE POTENTIAL TO BE A CATASTROPHIC EVENT. Widespread, extended power outages are expected due to fallen powerlines and trees. Prepare to be without power in some locations for several days. Travel will be dangerous and next to impossible.

4. Which of the options should NWS consider to better communicate highly impactful situations?

- Current Product (no additional Emergency level)
- Option A
- Option B
- I don't know

5. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Emergency level - survey version 2

Sample Excessive Heat Warning product examples to be used in the survey:

Current

...EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

- * AFFECTED AREA...Portions of southwest, south-central and east-central Arizona including Gila Bend, Case Grande, and Globe.
- * TEMPERATURE...High temperatures 111 to 115 F across the lower deserts and 101 to 105 F in higher elevation areas.
- * IMPACTS...High to extreme risk of heat related illness for those working or participating in outdoor activities or those without access to adequate air conditioning.

Proposed

...EXCESSIVE HEAT WARNING REMAINS IN EFFECT UNTIL 8 PM MST THIS EVENING...

- * THIS IS A PARTICULARLY DANGEROUS SITUATION
- * WHAT...High temperatures 111 to 115 degrees across the lower Deserts and 101 to 105 degrees in higher elevation
- * WHERE... Portions of southwest, south-central and east-central Arizona including Gila Bend, Case Grande, and Globe.
- * WHEN...Through this evening
- * IMPACTS...Extreme risk of widespread heat related illnesses for those working or participating in outdoor activities or those without access to adequate air conditioning.

3. Please share your level of agreement/disagreement with the following statement:

NWS should include Particularly Dangerous Situation (PDS) language in certain Excessive Heat Warning products when the impacts are expected to be extreme.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Special Marine Warning survey

Sample Special Marine Warning example to be used in the survey

Current

The National Weather Service in Mount Holly NJ has issued a

- * Special Marine Warning for... Delaware Bay...
- * Until 415 PM EDT.
- * At 351 PM EDT, a severe thunderstorm capable of producing waterspouts was located near Bowers Beach, moving east at 60 knots.

HAZARD...Waterspouts and wind gusts in excess of 65 knots.

SOURCE...Radar.

IMPACT...Waterspouts can easily overturn boats and create locally hazardous seas. Boats could suffer significant structural damage in high winds. Small craft could capsize in suddenly higher waves.

- * Locations impacted include... Miah Maul Light, Fortesque Beach and Cross Ledge Light.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

A Tornado Watch remains in effect until 600 PM EDT for central Delaware...southern New Jersey...and the adjacent coastal waters.

&&

LAT...LON 3907 7542 3918 7543 3925 7512 3919 7503 3910 7508

TIME...MOT...LOC 1951Z 255DEG 62KT 3911 7540

WATERSPOUT...POSSIBLE
HAIL...0.00IN
WIND...65KTS

Proposed

The National Weather Service in Mount Holly NJ has issued a

- * Special Marine Warning for... Delaware Bay...
- * Until 415 PM EDT.
- * At 351 PM EDT, a dangerous thunderstorm was located near Bowers Beach, moving east at 60 knots.

THIS IS A DESTRUCTIVE STORM FOR DELAWARE BAY. THIS IS A PARTICULARLY DANGEROUS SITUATION. SEEK SHELTER NOW!

HAZARD...Waterspouts and wind gusts in excess of 65 knots.

SOURCE...Radar.

IMPACT...Waterspouts can easily overturn boats and create locally hazardous seas. Boats could suffer significant structural damage in high winds. Small craft are likely to capsize in suddenly higher waves.

- * Locations impacted include... Miah Maul Light, Fortesque Beach and Cross Ledge Light.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

This is an EXTREMELY DANGEROUS STORM. Prepare immediately for destructive winds and/or hail capable of producing significant damage.

A Tornado Watch remains in effect until 600 PM EDT for central Delaware...southern New Jersey...and the adjacent coastal waters.

&&

LAT...LOT...TIME...MOT...LOC

MARINE DAMAGE THREAT...DESTRUCTIVE
WATERSPOUT...POSSIBLE
HAIL...0.00IN
WIND...65KTS

3. Please share your level of agreement/disagreement with the following statement:

NWS should utilize damage threat tags in the Special Marine Warning to better convey expected impacts.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Extreme Wind Warning IBW survey

Sample Extreme Wind Warning product example to be used in the survey:

<u>Current</u>	<u>Proposed</u>
<p>BULLETIN - EAS ACTIVATION REQUESTED Extreme Wind Warning National Weather Service Miami FL 1225 PM EDT SUN SEP 10 2017</p> <p>The National Weather Service in Miami has issued a</p> <p>* Extreme Wind Warning for... Southwestern Collier County in southwestern Florida...</p> <p>* Until 330 PM EDT</p> <p>* At 1223 PM EDT, National Weather Service Doppler radar indicated extreme winds above 115 mph, associated with the eyewall of Hurricane Irma, were approaching the coast 10 miles south of Everglades City, moving north at 15 mph. This is an extremely dangerous and life-threatening situation!</p> <p>* Locations impacted include... Naples, Marco Island, Chokoloskee, Golden Gate Estates and Everglades City.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>The safest place to be during a major landfalling hurricane is in a reinforced interior room away from windows. Get under a table or other piece of sturdy furniture. Use mattresses, blankets or pillows to cover your head and body. Remain in place through the passage of these life-threatening conditions.</p> <p>¶¶</p> <p>LAT...LON 2633 8184 2633 8182 2632 8182 2632 8140 TIME...MOT...LOC 1623Z 167DEG 11KT 2556 8160</p>	<p>BULLETIN - EAS ACTIVATION REQUESTED Extreme Wind Warning National Weather Service Miami FL 1225 PM EDT Sun Sep 10 2017</p> <p>...TAKE COVER NOW FROM LIFE-THREATENING WINDS WITH HURRICANE IRMA...</p> <p>The National Weather Service in Miami has issued a</p> <p>* Extreme Wind Warning for... Southwestern Collier County in southwestern Florida...</p> <p>* Until 330 PM EDT.</p> <p>* At 1223 PM EDT, the strongest winds from Hurricane [NAME] are imminent. THIS IS AN EXTREMELY DANGEROUS AND LIFE-THREATENING SITUATION!</p> <p>HAZARD...Extreme hurricane winds over 115 mph.</p> <p>SOURCE...Radar observations, Surface observations, Satellite observations</p> <p>IMPACT...TAKE COVER NOW! Move immediately to the safe room in your shelter to protect yourself from flying debris. Well-built structures can sustain severe damage with loss of most of the roof and/or some exterior walls.</p> <p>* Locations impacted include... Naples, Marco Island, Chokoloskee, Golden Gate Estates and Everglades City.</p> <p>PRECAUTIONARY/PREPAREDNESS ACTIONS...</p> <p>The safest place to be during a major landfalling hurricane is in a reinforced interior room away from windows. Get under a table or other piece of sturdy furniture. Use mattresses, blankets or pillows to cover your head and body. Remain in place through the passage of these life-threatening conditions.</p> <p>¶¶</p> <p>LAT...LON 2633 8184 2633 8182 2632 8182 2632 8140 TIME...MOT...LOC 1623Z 167DEG 11KT 2556 8160</p> <p>EXTREME WIND...OBSERVED EXTREME WIND THREAT...CATASTROPHIC MAX WIND...> 115 MPH</p>

3. Please share your level of agreement/disagreement with the following statement:

NWS should transition the current Extreme Wind Warning product format to Impact-Based Warning (IBW) format.

- Strongly agree
- Agree
- Neither disagree or agree
- Disagree
- Strongly disagree
- I don't know

4. Do you have any suggestions as to how NWS can improve this proposal?

[text field]

Plain language headline survey:

Option A

...2 TO 4 INCHES OF SNOW FROM 7PM EDT TONIGHT TO 5AM EDT TOMORROW MORNING...

Option B

...BE AWARE: 2 TO 4 INCHES OF SNOW FROM 7PM EDT TONIGHT TO 5AM EDT TOMORROW MORNING...

Option C

...CAUTION: 2 TO 4 INCHES OF SNOW FROM 7PM EDT TONIGHT TO 5AM EDT TOMORROW MORNING...

3. Which of the examples would most likely capture your attention?

- Option A
- Option B
- Option C
- I don't know

4. Which of the examples would most likely prompt you to take an action to protect/prepare yourself or your family for the weather event?

- Option A
- Option B
- Option C
- I don't know

5. Do you have any suggestions as to how NWS can improve this proposal?

[text field]