Adjusting HID Contents

Impact options come from the **impactChoices** key for the specific hazard type (e.g. WI.Y) in Hazard Meta Data→ **MetaDataDictionary.py**

For some hazard types like heat and wind, the options are post-processed based on settings in Utilities→ **LocalVariables.py**

The default selection is the first one in the impactChoices list

Make an incremental override of MetaDataDictionary.py to adjust what appears for each Hazard type

If multiple default selections are desired, add an **impactDefaults** key to define those

To edit the display wording of existing impact statements or add new ones for selection in the HID add it to an incremental override of Utilities → **CallsToActionAndImpacts.py**

If there are hazard types not issued locally, they can be removed via an incremental override of **Hazard Categories** → **HazardCategories.py**

CTA options come from **ctaChoices** key for the specific hazard type (e.g. WI.Y) in Hazard Meta Data→ **MetaDataDictionary.py**

For some hazard types like heat and wind, the options can be post-processed based on settings in Utilities→ **LocalVariables.py**

The default selection is the first one in the ctaChoices list

Make an incremental override to adjust what appears for each Hazard type

If multiple default selections are desired, add a **ctaDefaults** key to define those

To edit the display wording of existing CTA statements or add new ones for selection in the HID add it to the local override of Utilities → **CallsToActionAndImpacts.py**

Adjusting What and Where Output

* Mouseover for clickable links to jobsheets

In Utilities → **LocalVariables.py**, the threshold value to start including wind gusts can be set via **gustReportThreshold**

The leading phrase for heat or cold events can be changed in either the **getHeatPhrase** or **getColdPhrase** in Utilities→ **NPW_PhraseMethods.py**

These other NPW phrases can also be modified:
getAshfallPhrase
getAirStagnationPhrase
getBlowingDustPhrase

Make an incremental override to modify

What: (* required field)

North winds 40 to 50 mph with gusts up to 70 mph expected.

What: (* required field)

Dangerously hot conditions with heat index values up to 129 expected.

Where: (* required field)

In Iowa, Monona County. In Nebraska, Burt, Cuming, Madison, Pierce, Stanton, Thurston, and Wayne Counties.

Many changes can be made to the areal description generated by modifying various methods in Utilities → **LocalVariables.py**

The number of zones explicitly listed can be limited (**getMaxZonesToList** method, PIL-specific), what descriptor is used (**zoneType** method), and the powerful **localWherePhrase** method can be utilized to specify wording for set groups of zones

The sampling algorithm is set in the various methods in Utilities → **PhraseMethodsUtil.py**

The various methods are:
makeTempPhrase
makeVsbyPhrase
makeWindPhrase
getWindGustValue

Make an incremental override to modify

Local effects can be added for certain areas and other edit areas can be set to not be sampled by overriding Utilities → **LocalEffects.py**

The confidence wording is set via the **confidenceWord** method in Utilities → **PhraseMethodsUtil.py**

Make an incremental override to modify

Adjusting Impacts and CTA Output

* Mouseover for clickable links to jobsheets

Whether trees are included in wind impacts and CTAs or humidity is included in heat impacts and CTAs is determined in Utilities → **LocalVariables.py**

Specifically override **excludeTreesPhrase excludeHumidityInformation**

and set to **True** to not include tree information for wind statements or humidity in heat statements

To edit the output for a given selected impact statement, make an incremental override of Utilities → **CallsToActionAndImpacts.py**

To edit the output of a selected CTA statement, make an incremental override of Utilities → **CallsToActionAndImpacts.py**

Impacts Bullet: (* required field)

Damaging winds will blow down trees and power lines. Widespread power outages are expected. Travel will be difficult, especially for high profile vehicles.

Additional Details:

Calls To Action:

Remain in the lower levels of your home during the windstorm, and avoid windows. Watch for falling debris and tree limbs. Use caution if you must drive.

Adjusting Other NPW Output

The default purge time of the NPW can be adjusted via an *incremental* override of **Product Generators → NPW_ProductGenerator.py**

All that is needed in the override is:

class Product(NWS_Base_Generator.Product):

    def getPurgeHours(self, hazardType):
        return 10.0

where 10.0 is whatever value you want as the default purge time instead of 8.0

A URL can be included at the bottom of the generated NPW via an override of the **urlInfoConfiguration** method in Utilities → **LocalVariables.py**

```
NEZ011-012-016-017-200200-
/O.NEW.KOAX.HW.W.0002.221219T2347Z-221220T0200Z/
Knox-Cedar-Antelope-Pierce-
Including the cities of Creighton, Bloomfield, Crofton, Wausa,
Verdigre, Niobrara, Hartington, Laurel, Randolph, Coleridge,
Neligh, Elgin, Pierce, Plainview, and Osmond
547 PM CST Mon Dec 19 2022

...HIGH WIND WARNING IN EFFECT UNTIL 8 PM CST THIS EVENING...

* WHAT...North winds 40 to 50 mph with gusts up to 70 mph expected.

* WHERE...Antelope, Cedar, Knox, and Pierce Counties.

* WHEN...Until 8 PM CST this evening.

* IMPACTS...High winds may move loose debris, damage property and
  cause power outages. Travel could be difficult, especially for
  high profile vehicles.

PRECAUTIONARY/PREPAREDNESS ACTIONS...

People are urged to secure loose objects that could be blown around
or damaged by the wind.

&&

$$

For more information, visit us at www.weather.gov/Omaha
```

The ability to turn off the cities list or to alter the lead in phrase "Including the cities of " is available via an override of the **cityDescriptor** method and **includeCities** method in Utilities → **LocalVariables.py**

How the cities get determined is ruled by:
Default: **accurateCities** flag in **HazardTypes.py** is **False** so the **ugcCities** list in **GFE→ TextUtilities→ DefaultAreaDictionary.py/AreaDictionary.py** is used for each UGC

If **accurateCities** is **True** in **HazardTypes.py**, **GFE→ TextUtilities→ DefaultCityLocation.py/CityLocation.py** is used for each UGC

Create a product-specific city and/or area dictionary via an override of the **alternateAreaAndCityDictionaries** method in Utilities → **LocalVariables.py**

Console Changes

As it is in Hydro, you can configure console settings as shown here

It is recommended to add backup offices and columns such as Combined From so forecasters can properly track hazard events during a long-fused event lifecycle
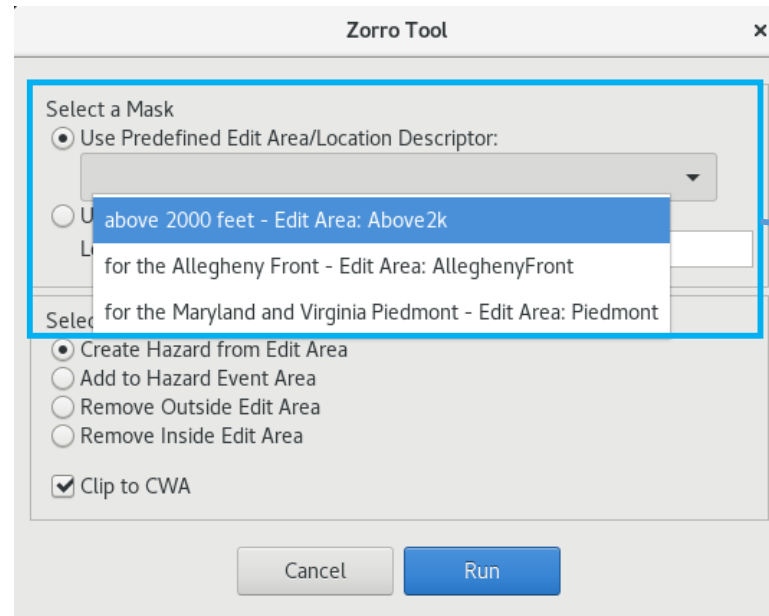
The Zorro tool can be configured to use GFE edit areas in hazard area manipulation and for possible tie-in to phrasing in the NPW.

To configure, make an override of Utilities → **DescriptorDictionary.py** to add local edit areas for selection