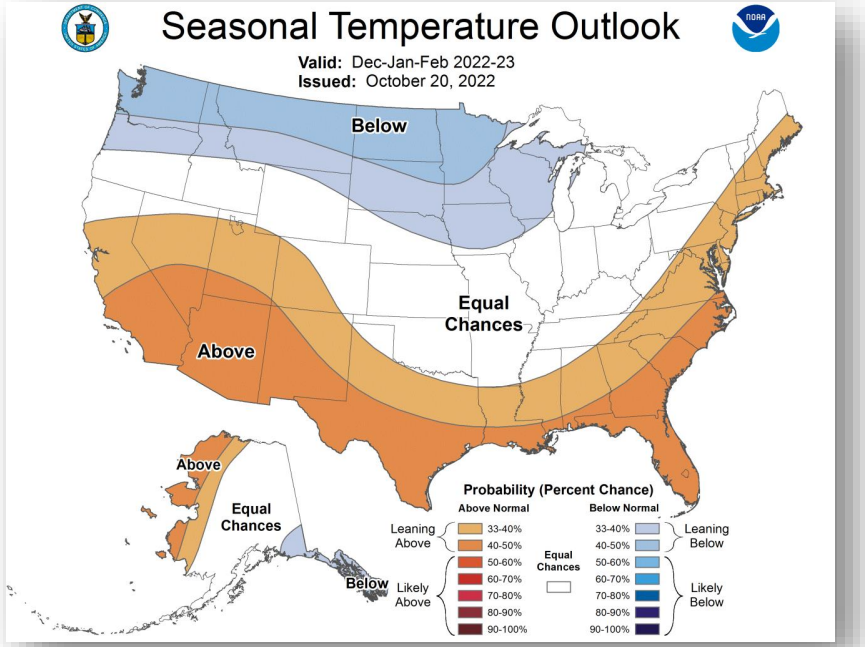
Winter (December-January-February) 2022-23 Outlook

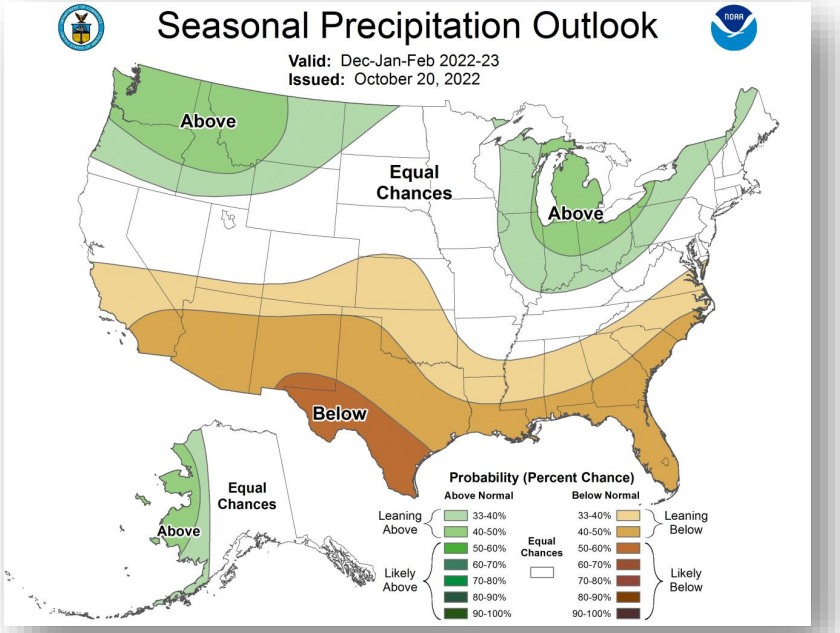
Albany, NY
WEATHER FORECAST OFFICE

NOAA's U.S. Winter Outlook was released on October 20, 2022 by the Climate Prediction Center - a division of the National Weather Service

Temperature

- Warmer-than-average temperatures are also favored in the Southeastern U.S. and along the Atlantic coast.
- The greatest chance for warmer-than-average conditions are in western Alaska, and the Central Great Basin and Southwest extending through the Southern Plains.
- Below-normal temperatures are favored from the Pacific Northwest eastward to the western Great Lakes and the Alaska Panhandle.



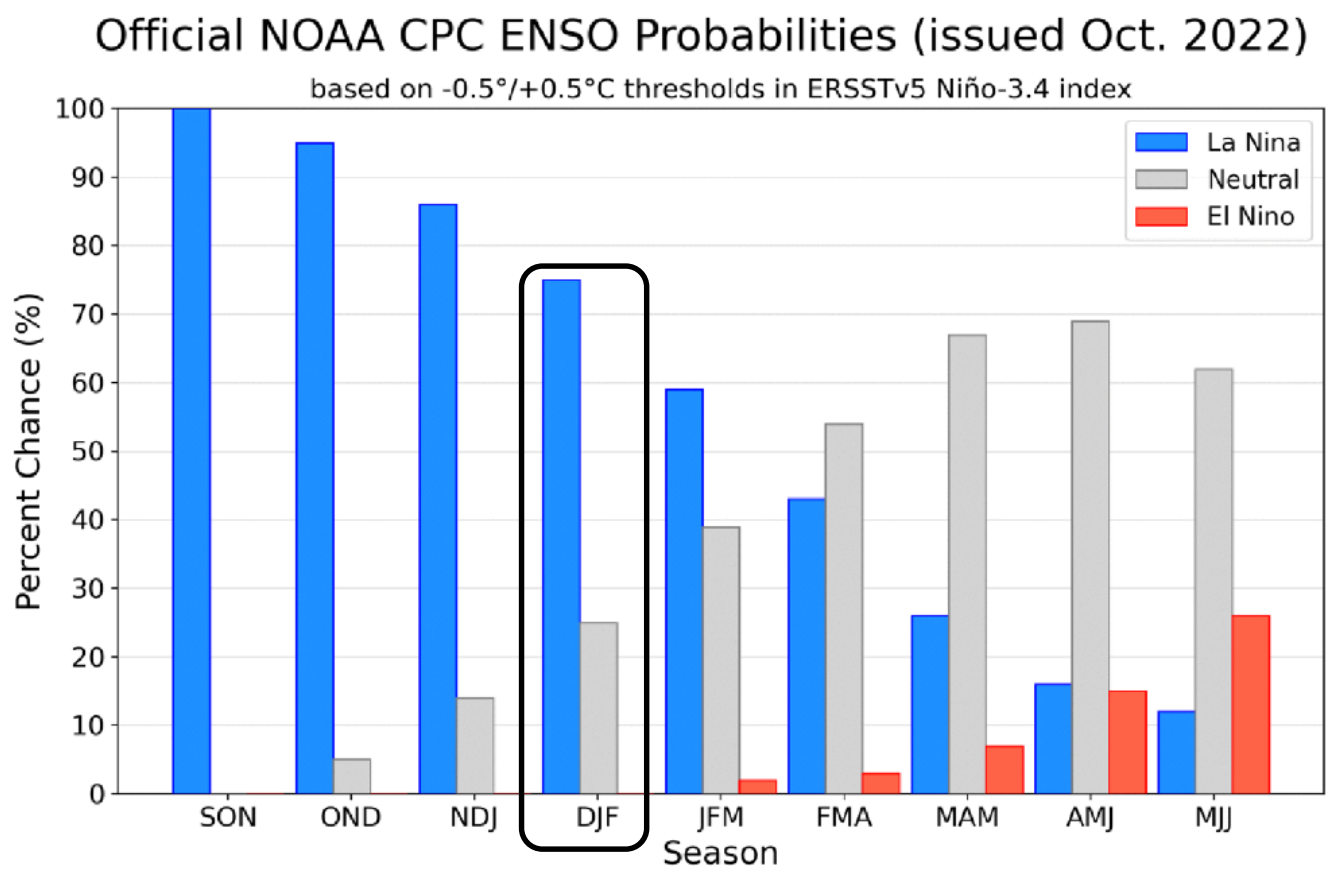


Precipitation

- Wetter-than-average conditions are most likely in western Alaska, the Pacific Northwest, northern Rockies, Great Lakes and Ohio Valley.
- The greatest chances for drier-than-average conditions are forecast in portions of California, the Southwest, the southern Rockies, southern Plains, Gulf Coast and much of the Southeast.
- The remainder of the U.S. falls into the category of equal chances for below-, near-, or above-average seasonal total precipitation.

Winter (December-January-February) 2022-23 Outlook

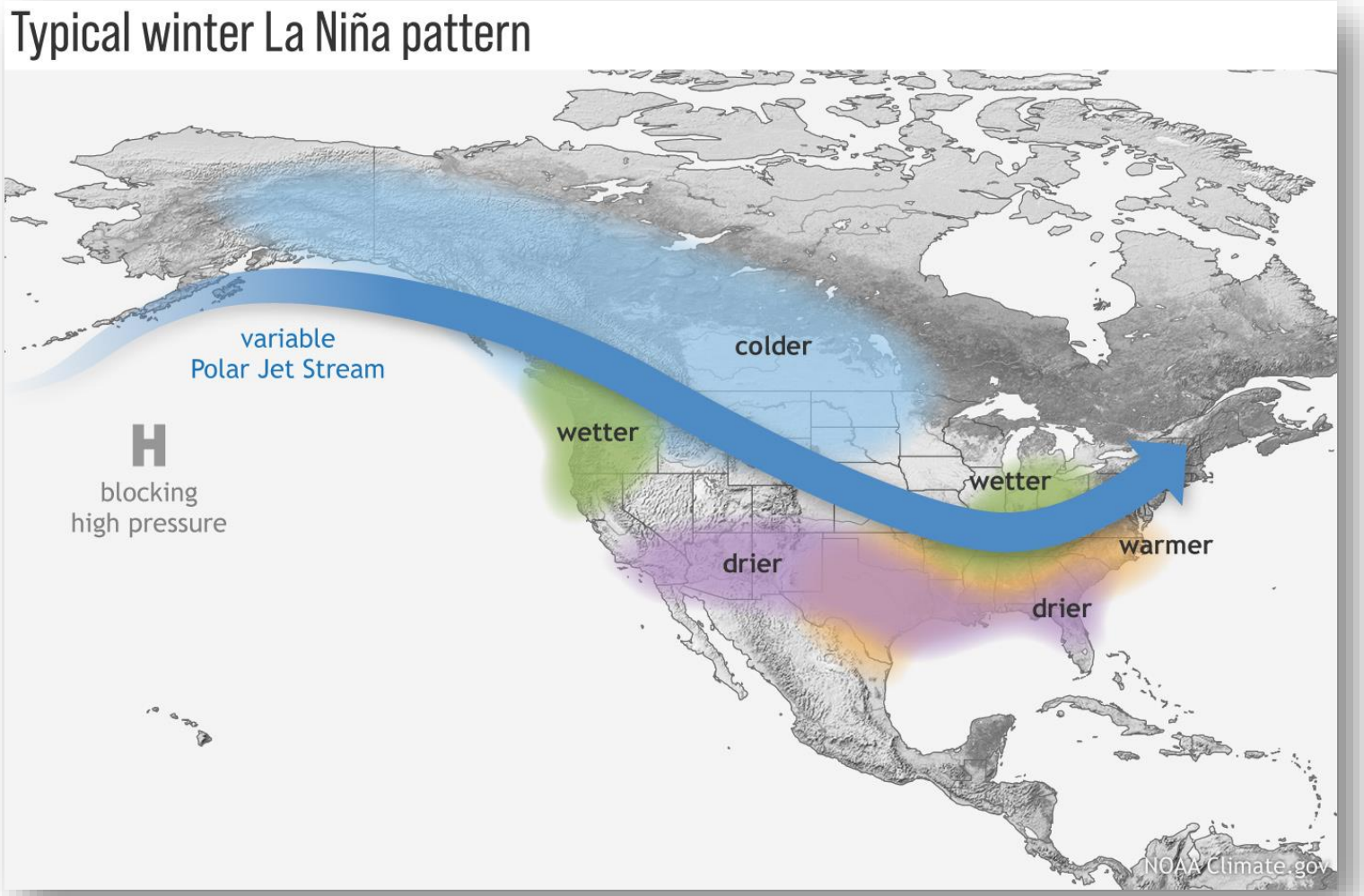
There is a 75% chance of La Niña during the Northern Hemisphere Winter (Dec-Jan-Feb) 2022-23



Official ENSO probabilities for the Niño 3.4 sea surface temperature index (5°N-5°S, 120°W-170°W). Figure updated 13 October 2022.

- El Niño-Southern Oscillation (ENSO) is one of the most important climate phenomena on Earth due to its ability to change the global atmospheric circulation, which in turn, influences temperature and precipitation patterns across the globe.
- There is a focus on ENSO when making seasonal outlooks because its arrival can often be predicted many seasons in advance of its strongest impacts on weather and climate.
- **La Niña is a cooling of the ocean surface, or below-average sea surface temperatures, in the central and eastern tropical Pacific Ocean**
- El Niño is a warming of the ocean surface, or above-average sea surface temperatures, in the central and eastern tropical Pacific Ocean

Typical Winter La Niña Pattern across the United States

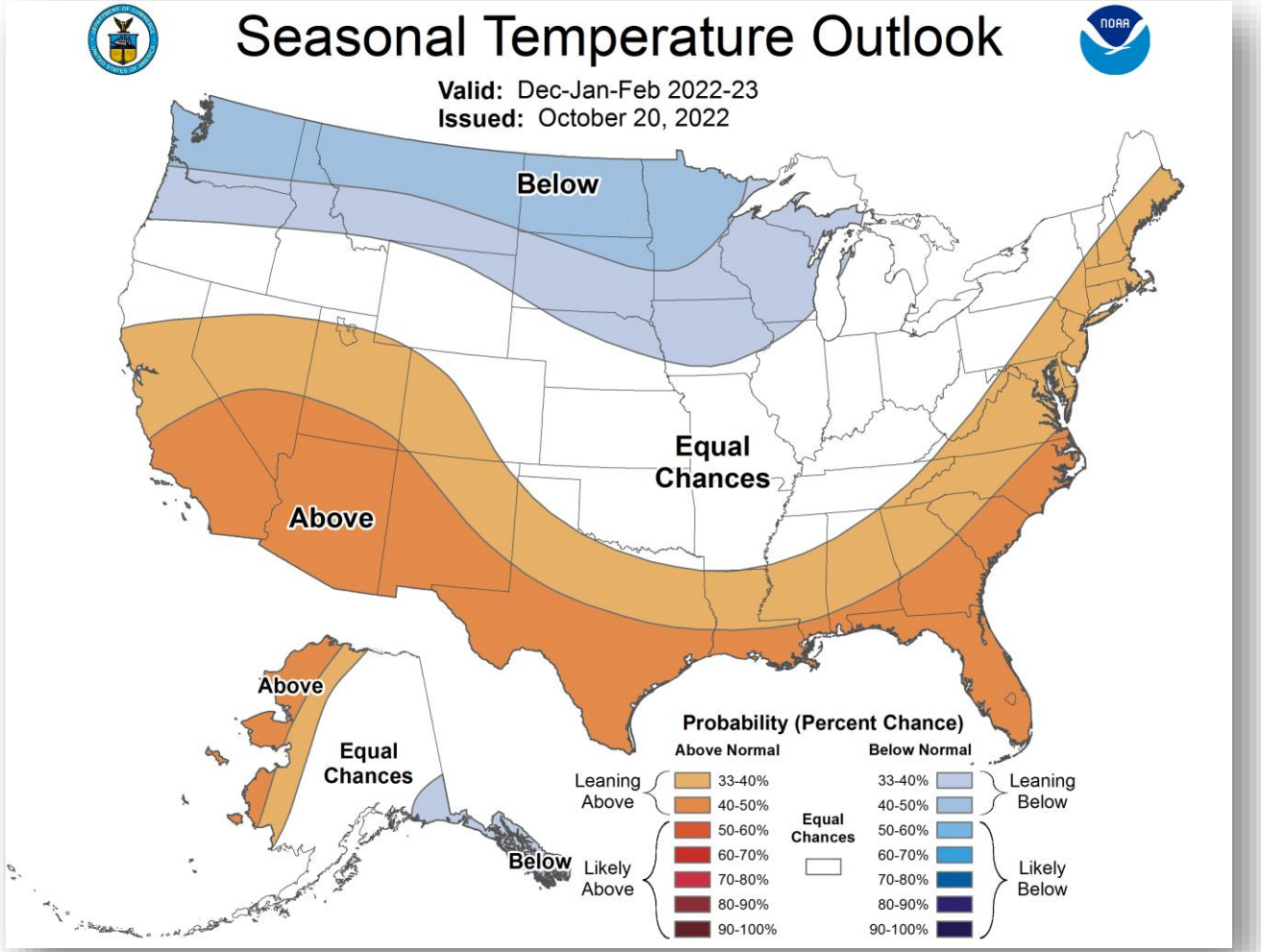


- During La Niña, the Pacific jet stream often meanders high into the North Pacific.
- Southern and interior Alaska and the Pacific Northwest tend to be cooler and wetter than average, and the southern tier of U.S. states—from California to the Carolinas—tends to be warmer and drier than average.
- Farther north, the Ohio and Upper Mississippi River Valleys may be wetter than usual.

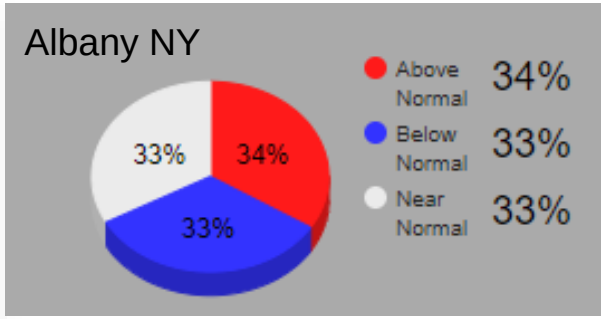
- **One or more of these climate patterns have occurred during many La Niña events in the past. That doesn't mean that all of these impacts happen during every episode. Every event is somewhat different. In other words, the influence of La Niña on U.S. winter climate is a matter of probability, not certainty.**
- By modifying the jet streams, La Niña can affect temperature and precipitation across the United States and other parts of the world. The influence on the U.S. is strongest during the winter (December-February), but it may linger into early spring.

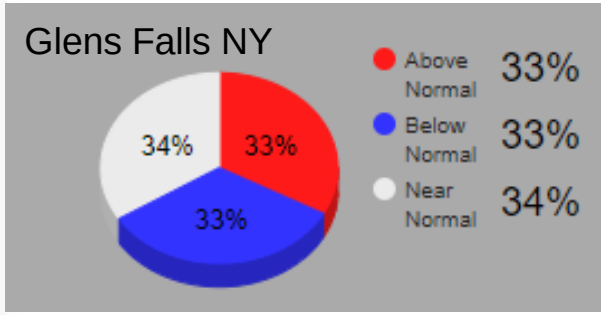
Winter (December-January-February) Temperature Outlook

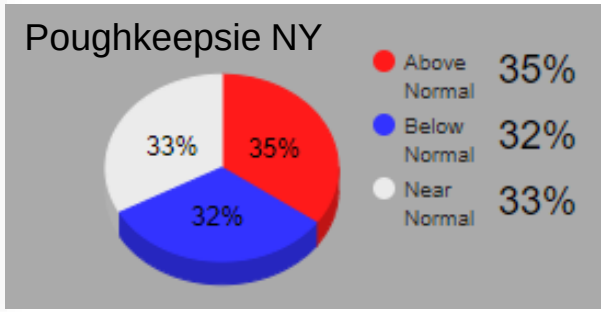
Albany, NY
WEATHER FORECAST OFFICE

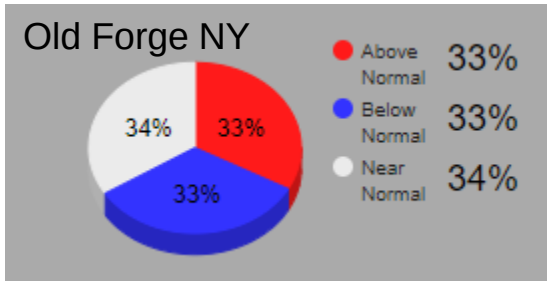


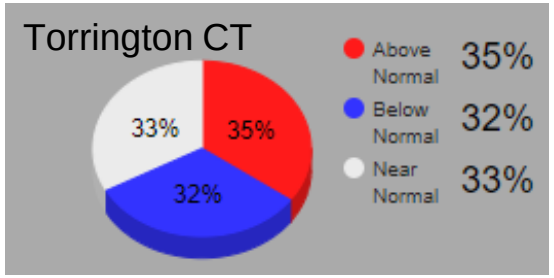
This outlook does not predict individual arctic outbreaks which are still possible.

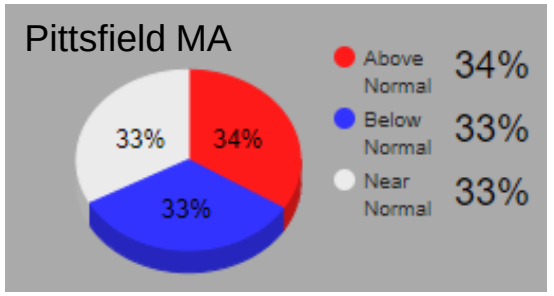


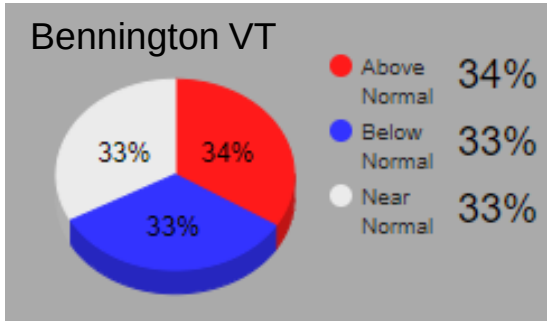






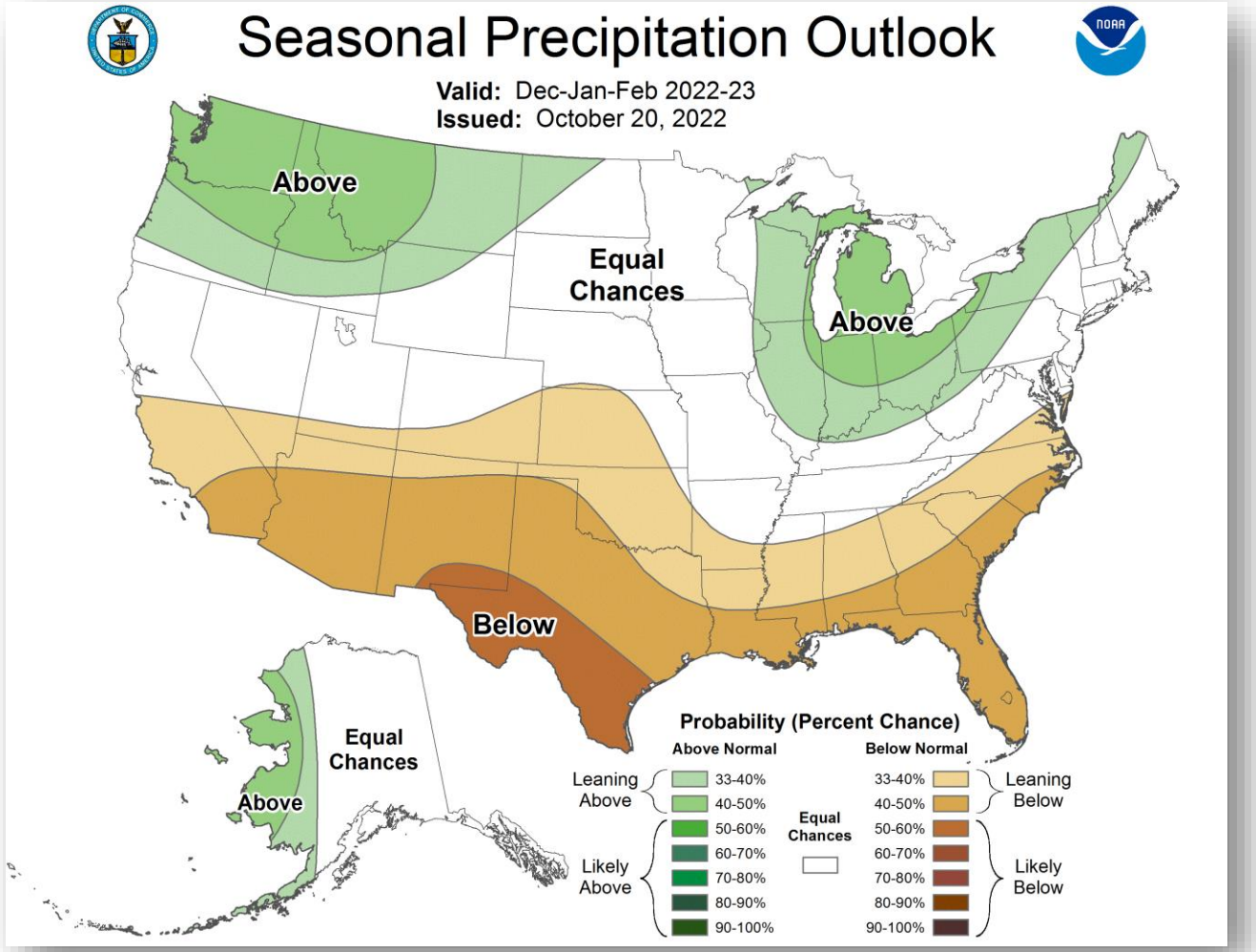


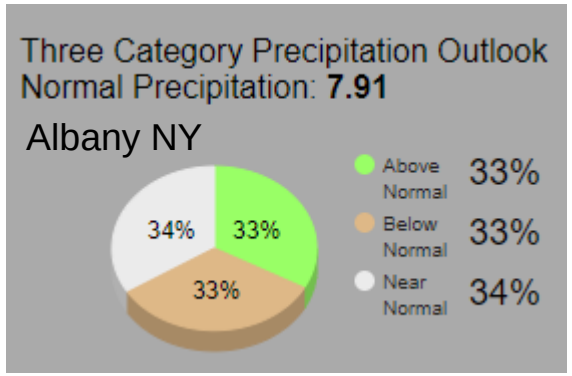


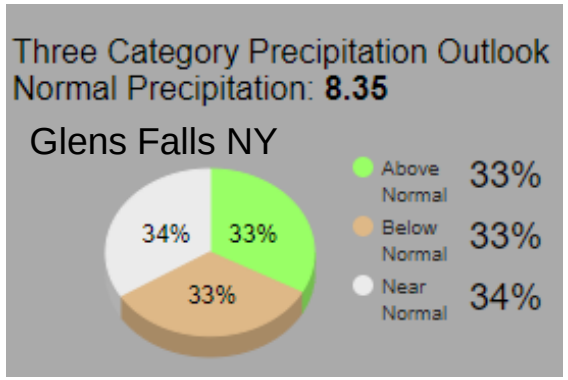


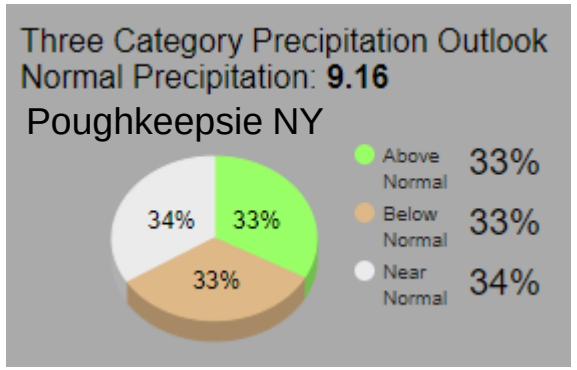
Winter (December-January-February) Precipitation Outlook

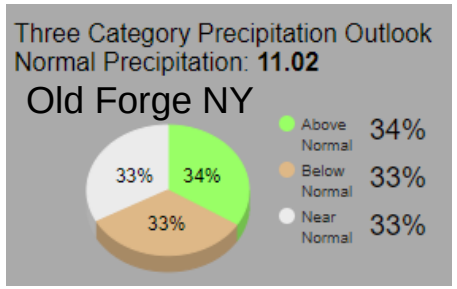
Albany, NY
WEATHER FORECAST OFFICE

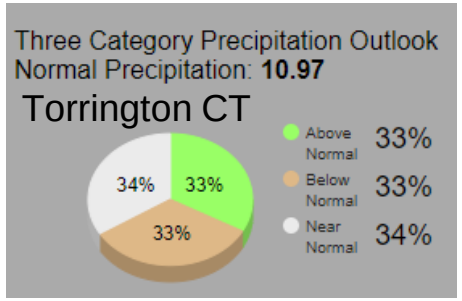


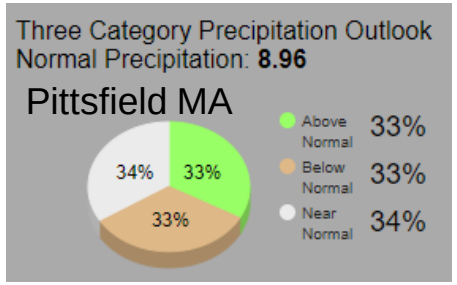


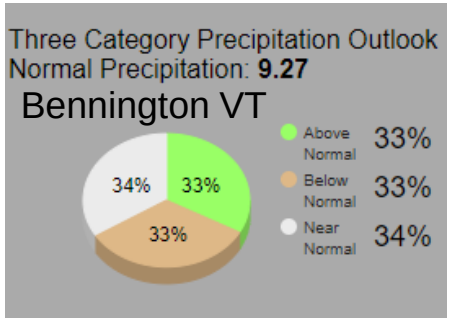












- Precipitation represents rain, snow, sleet and freezing rain events.
- This outlook does not represent the number of storms or their intensity.

Albany NY - Winter (December-January-February) 2022-23 Outlook

Albany, NY
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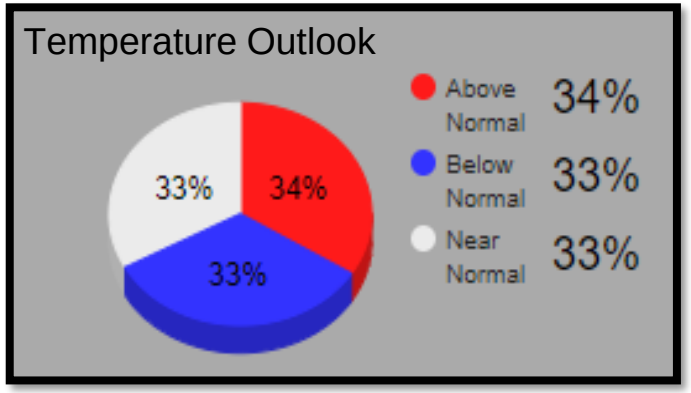
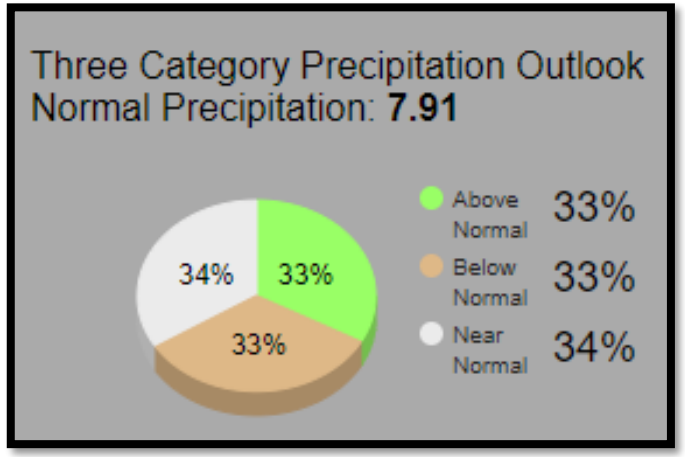




There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	48.9”	62.6”
1973-74***	41.3”	58.3”
1975-76***	35.8”	54.2”
1988-89	14.2”	19.0”
1998-99***	29.4”	44.1”
1999-00***	44.5”	62.1”
2007-08 **	54.8”	61.1”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	37.0”	80.2”
1970-71**	76.6”	112.5”
1984-85**	30.2”	41.3”
2010-11**	76.2”	87.2”
2020-21	52.1”	54.6”
2021-22	23.1”	36.4”

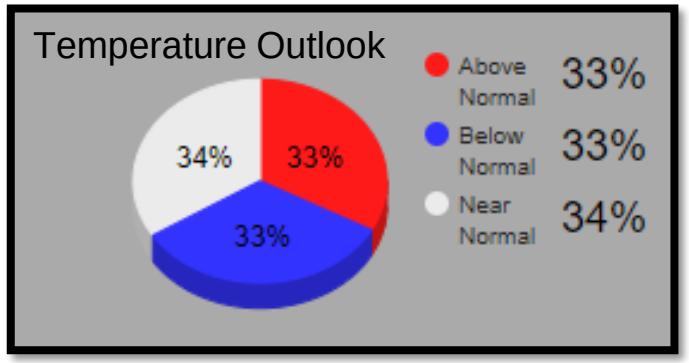
1991-2020 Normal Dec-Jan-Feb Snowfall = 42.6 inches
1991-2020 Normal Seasonal Snowfall = 59.2 inches

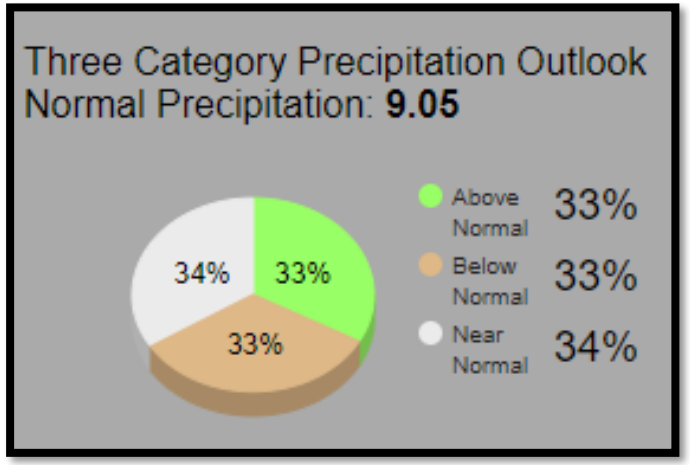
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	17.0”	36.6”
1964-65	35.4”	45.9”
1971-72**	43.4”	89.3”
1974-75***	47.7”	54.6”
1983-84**	35.3”	65.2”
1995-96	59.3”	86.5”
2000-01***	43.6”	77.1”
2005-06	26.9”	30.2”
2008-09**	49.4”	52.6”
2011-12**	12.8”	23.3”
2016-17**	38.9”	60.8”
2017-18**	38.9”	77.3”

Seasonal Snowfall = October - May

Saratoga Springs 4SW, NY - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	Missing	Missing
1973-74***	34.0”	Missing
1975-76***	37.0”	54.0”
1988-89	19.9”	24.0”
1998-99***	33.9”	46.9”
1999-00***	42.9”	59.5”
2007-08 **	62.5”	73.9”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	92.5”	176.5”
1970-71**	227.5”	366.0”
1984-85**	165.0”	221.0”
2010-11**	138.0”	168.5”
2020-21	108.0”	142.0”
2021-22	71.5”	118.0”

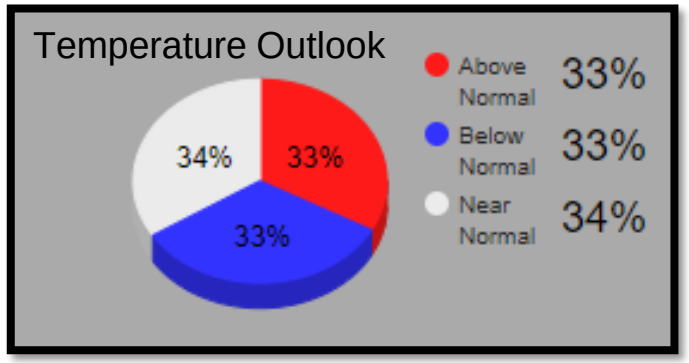
1991-2020 Normal Dec-Jan-Feb Snowfall = 45.9 inches
1991-2020 Normal Seasonal Snowfall = 62.6 inches

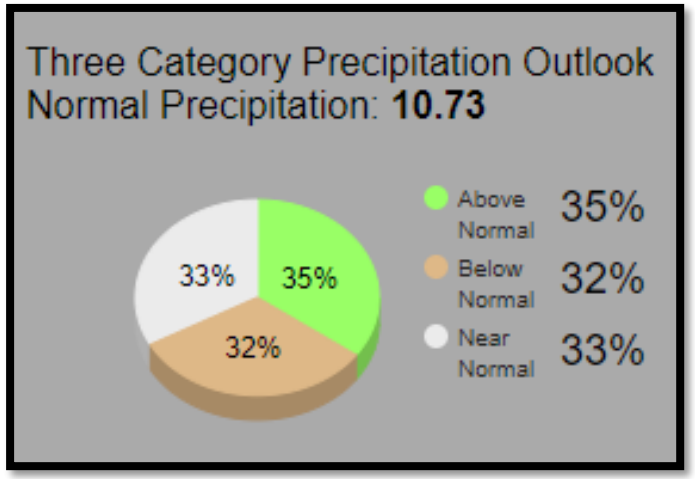
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	Missing	Missing
1964-65	33.8”	Missing
1971-72**	60.4”	112.3”
1974-75***	Missing	Missing
1983-84**	36.5”	62.5”
1995-96	57.8”	89.0”
2000-01***	40.8”	78.1”
2005-06	37.7”	44.7”
2008-09**	76.6”	79.1”
2011-12**	12.5”?	25.2”
2016-17**	52.5”	75.0”
2017-18**	53.7”	76.5”

Seasonal Snowfall = October - May

Stillwater Reservoir NY - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	Missing	Missing
1973-74***	94.5”	158.5”
1975-76***	132.5”	205.0”
1988-89	111.0”	184.5”
1998-99***	104.0”	160.0”
1999-00***	137.5”	191.3”
2007-08 **	81.0”	113.8”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	37.0”	80.2”
1970-71**	76.6”	112.5”
1984-85**	30.2”	41.3”
2010-11**	76.2”	87.2”
2020-21	52.1”	54.6”
2021-22	23.1”	36.4”

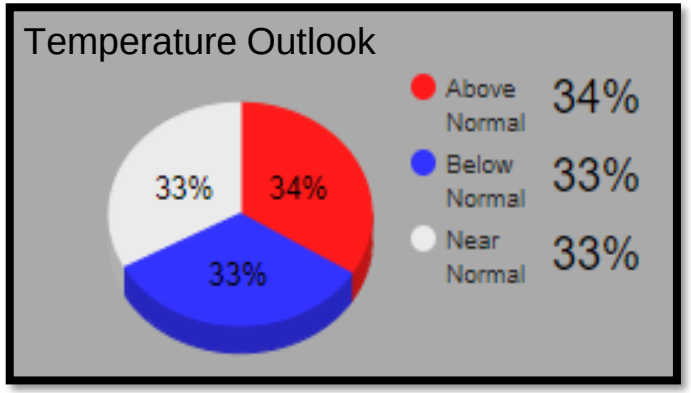
1991-2020 Normal Dec-Jan-Feb Snowfall = 106.0 inches
1991-2020 Normal Seasonal Snowfall = 149.1 inches

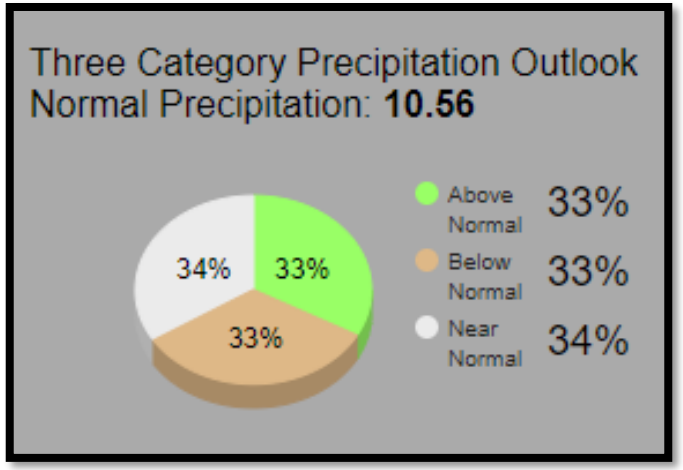
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	106.0”	186.0”
1964-65	101.0”	161.0”
1971-72**	151.5”	247.5”
1974-75***	134.5”	231.0”
1983-84**	127.0”	181.0”
1995-96	130.0”	214.0”
2000-01***	137.3”	197.5”
2005-06	75.0”	97.5”
2008-09**	69.5”	99.5”
2011-12**	68.0”	77.5”
2016-17**	139.4”	196.9”
2017-18**	112.5”	171.5”

Seasonal Snowfall = October - May

Mohonk Lake NY - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	40.0”	63.7”
1973-74***	30.5”	46.7”
1975-76***	44.1”	61.6”
1988-89	8.9”	14.2”
1998-99***	25.1”	41.1”
1999-00***	33.9”	40.2”
2007-08 **	56.0”	62.0”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	30.3”	94.6”
1970-71**	64.8”	96.0”
1984-85**	29.3”	38.5”
2010-11**	Missing	Missing
2020-21	45.5”	Missing
2021-22	22.5”	28.5”

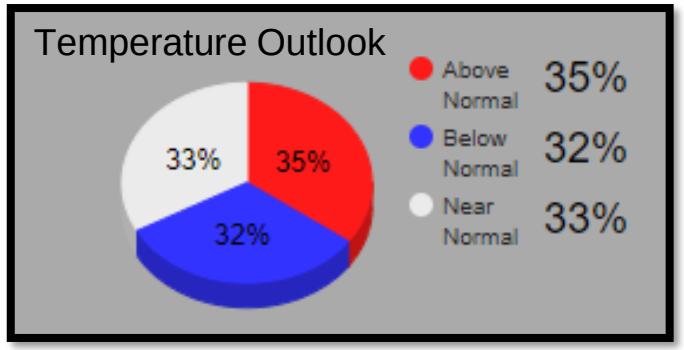
1991-2020 Normal Dec-Jan-Feb Snowfall = 41.8 inches
1991-2020 Normal Seasonal Snowfall = 58.7 inches

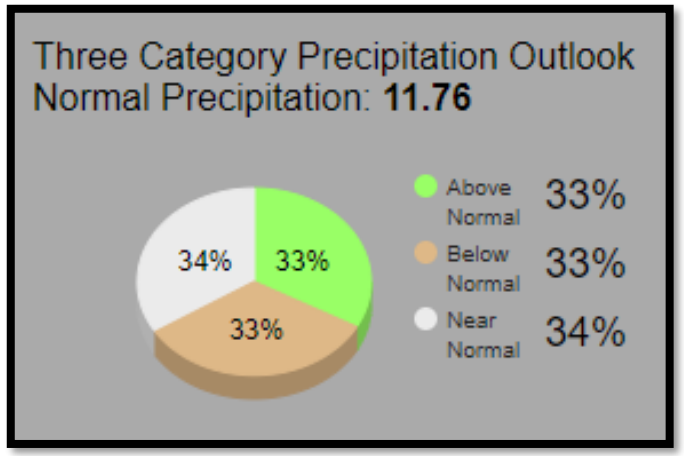
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	13.9”	32.0”
1964-65	41.8”	63.2”
1971-72**	55.5”	92.8”
1974-75***	50.1”	56.0”
1983-84**	38.8”	82.7”
1995-96	80.1”	123.5”
2000-01***	68.0”	101.1”
2005-06	43.5”	51.5”
2008-09**	44.6”	47.2”
2011-12**	Missing	Missing
2016-17**	43.2”	69.8”
2017-18**	34.3”	62.7”

Seasonal Snowfall = October - May

Norfolk 2SW CT - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	48.7”	85.4”
1973-74***	39.9”	59.7”
1975-76***	67.2”	90.2”
1988-89	34.4”	50.2”
1998-99***	30.5”	47.3”
1999-00***	31.5”	46.7”
2007-08 **	68.4”	79.8”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	55.9”	177.4”
1970-71**	86.6”	139.3”
1984-85**	36.6”	58.1”
2010-11**	89.7”	98.4”
2020-21	65.8”	77.6”
2021-22	31.9”	43.4”

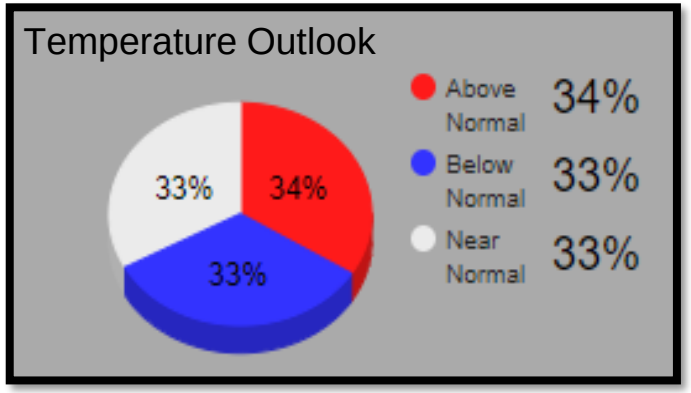
1991-2020 Normal Dec-Jan-Feb Snowfall = 50.4 inches
1991-2020 Normal Seasonal Snowfall = 74.7 inches

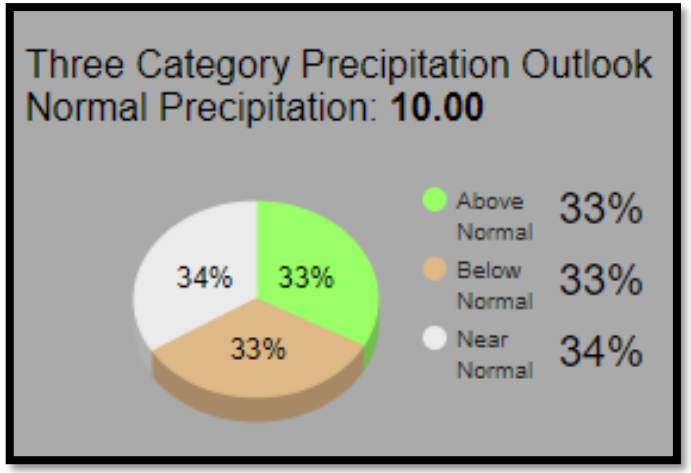
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	28.9”	71.0”
1964-65	57.4”	87.2”
1971-72**	64.9”	129.1”
1974-75***	73.9”	104.1’
1983-84**	64.9”	110.9”
1995-96	95.0”	153.2”
2000-01***	59.5”	93.9”
2005-06	62.0”	80.3”
2008-09**	62.7”	78.9”
2011-12**	20.2”	55.7”
2016-17**	48.8”	88.7”
2017-18**	51.4”	107.5”

Seasonal Snowfall = October - May

Lenox Dale MA - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	Missing	Missing
1973-74***	Missing	Missing
1975-76***	Missing	Missing
1988-89	Missing	Missing
1998-99***	27.5”	39.3”
1999-00***	33.0”	43.1”
2007-08 **	65.3”	70.3”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	Missing	Missing
1970-71**	Missing	Missing
1984-85**	Missing	Missing
2010-11**	94.2”	98.8”
2020-21	47.1”	49.7”
2021-22	23.7”	39.7”

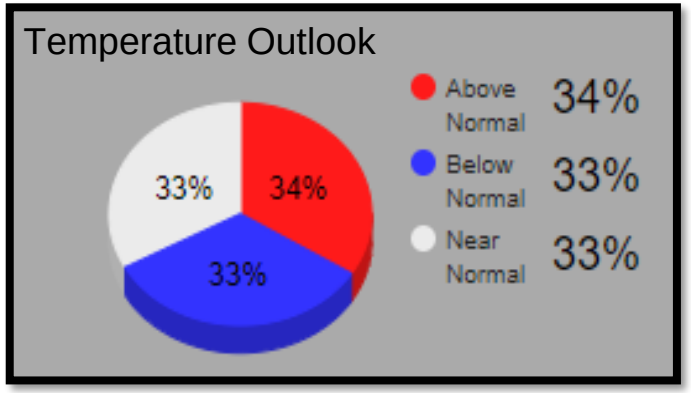
1991-2020 Normal Dec-Jan-Feb Snowfall = 43.9 inches
1991-2020 Normal Seasonal Snowfall = 62.2 inches

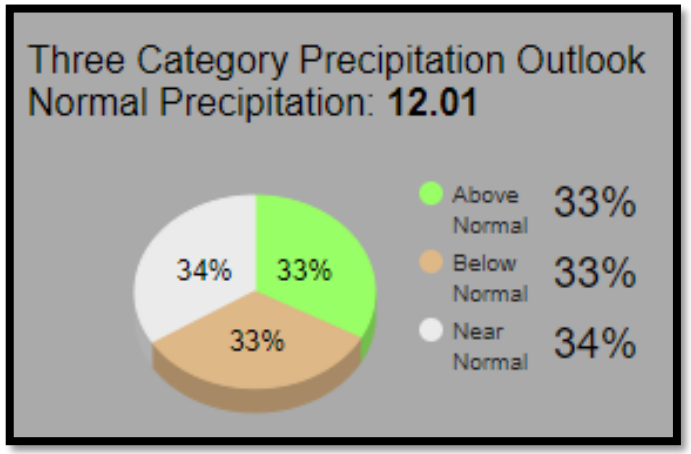
Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	Missing	Missing
1964-65	Missing	Missing
1971-72**	Missing	Missing
1974-75***	Missing	Missing
1983-84**	Missing	Missing
1995-96	Missing	Missing
2000-01***	57.5”	94.1”
2005-06	46.8”	55.6”
2008-09**	45.5”	53.3”
2011-12**	22.6”	51.7”
2016-17**	43.0”	76.1”
2017-18**	44.3”	91.3”

Seasonal Snowfall = October - May

Peru, VT - Winter (December-January-February) 2022-23 Outlook

Albany, NY
WEATHER FORECAST OFFICE





There is a 75% chance of La Niña this Winter 2022-23 and this would be the 3rd Triple Dip La Niña

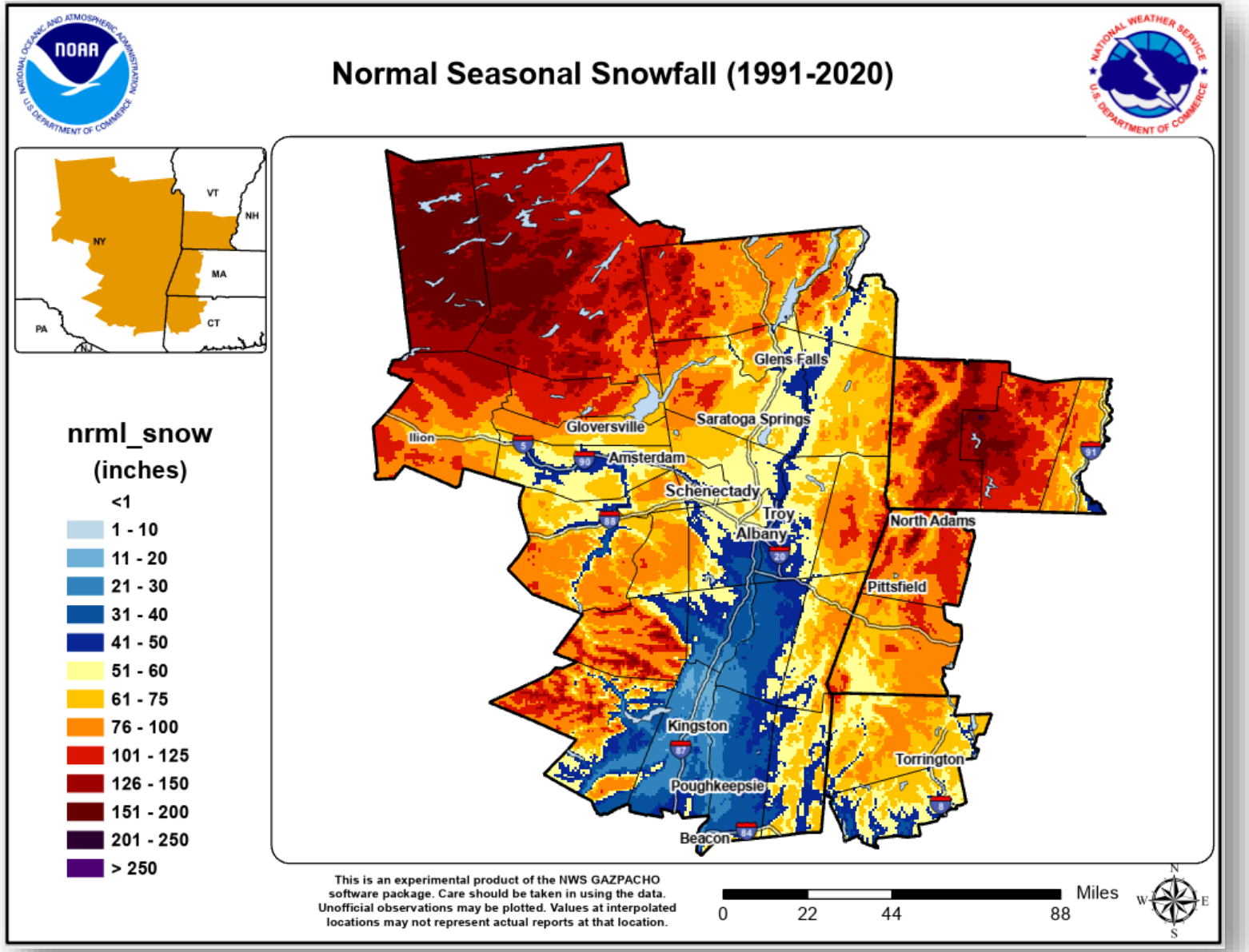
** Double dip La Niñas (2 consecutive winters)
*** Triple dip La Niñas (3 consecutive winters)

Strong La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1949-50	68.6”	112.9”
1973-74***	54.0”	86.0”
1975-76***	66.1”	115.6”
1988-89	55.5”	84.0”
1998-99***	65.3”	99.6”
1999-00***	61.0”	97.0”
2007-08 **	103.4”	139.1”

Moderate La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1955-56**	58.0”	142.0”
1970-71**	103.0”	184.0”
1984-85**	78.6”	103.6”
2010-11**	100.3”	122.5”
2020-21	83.4”	99.9”
2021-22	55.9”	92.0”

1991-2020 Normal Dec-Jan-Feb Snowfall = 73.1 inches
1991-2020 Normal Seasonal Snowfall = 111.4 inches

Weak La Ninas	Dec-Jan-Feb Snowfall	Seasonal Snowfall
1954-55**	49.7”	114.5”
1964-65	56.0”	89.0”
1971-72**	84.3”	170.6”
1974-75***	74.0”	131.0”
1983-84**	60.0”	132.5”
1995-96	87.9”	149.0”
2000-01***	72.0”	155.0”
2005-06	68.5”	80.0”
2008-09**	93.2”	117.9”
2011-12**	38.9”	78.1”
2016-17**	80.9”	139.2”
2017-18**	95.7”	163.5”

Seasonal Snowfall = October - May

1991-2020 Normal Seasonal Snowfall