



**North Carolina  
Insurance Underwriting Association (NCIUA)**

---

**North Carolina  
Joint Underwriting Association (NCJUA)**

---

**NCIUA and NCJUA Disclaimer:**

*The following summaries of data and modeling results are posted as a public service. The posted information was provided by Guy Carpenter for the exclusive use of the NCIUA / NCJUA and is posted "as is." The Associations do not guarantee or warrant the correctness, completeness, or currentness of the data, results, modeling, or summaries, and disclaim (i) all warranties, whether express or implied, with respect to this information and the use of it by third parties, including but not limited to warranties of merchantability and fitness for a particular purpose, and (ii) any obligation to update or supplement the posted information subsequent to the date(s) of it. Geologic, seismic, economic, environmental, meteorological, financial, structural, geotechnical, and natural disaster conditions can and do vary from event to event.*

*Risks and uncertainties related to the occurrence or non-occurrence of such conditions, among other things, are inherent in the nature of data, estimates, analyses, and modeling of this kind. Although we are advised that these summaries are based on scientific data, mathematical and empirical models, and the encoded experience of wind and structural engineers, geologists, seismologists, meteorologists, geotechnical specialists, actuaries, and statisticians, among others, actual losses in the event of a disaster may differ from the results of simulation analyses and from data derived from prior events. In no event shall the NCIUA / NCJUA be liable for any loss of profits or other indirect, special, incidental and/or consequential damage of any kind, howsoever incurred or designated, arising from any use of the data, results, summaries, modeling, and other information posted here.*

*The following information is posted with the prior written consent of Guy Carpenter, which owns the right and title to its reports. Third party readers of these summaries may not alter or remove any copyrights or other legal notices contained on or in copies of any part of the report.*

## North Carolina Insurance Underwriting Association

Portfolio	Model
NCIUA Standard HU	Verisk Touchstone 10.0 Wind
	12/01/2024 Verisk Touchstone 11.5 Wind

Exposure and Loss shown in Millions USD

Portfolio	NCIUA AIR LT				
	12/31/2023	12/01/2024	% Change	wWDR	% Change
<b>TSI</b>	127,895.3	153,450.9	20.0%	153,450.9	0.0%
<b>Geocoded TSI</b>	127,895.3	153,450.9	20.0%	153,450.9	0.0%
<b>Location Limits*</b>	125,703.7	151,029.3	20.1%	151,029.3	0.0%
<b>Policy Limits*</b>	14,801.5	16,494.7	11.4%	16,494.7	0.0%
<b>Risk Count*</b>	252,278	272,554	8.0%	272,554	0.0%

\* Location limits, policy limits and risk counts based on geocoded risks.

Return Period	NCIUA AIR LT				
	Gross Loss				
Return Period	12/31/2023	12/01/2024	% Change YOY	wWDR	% Change
<b>Occurrence Exceedance Probability (OEP)</b>					
1,000	15,182.3	19,263.0	26.9%	18,894.9	-1.9%
500	12,439.4	15,226.6	22.4%	14,691.5	-3.5%
250	9,296.4	11,519.0	23.9%	10,976.4	-4.7%
200	8,081.6	10,121.8	25.2%	9,874.6	-2.4%
100	5,260.7	6,577.8	25.0%	6,291.4	-4.4%
75	4,435.1	5,544.3	25.0%	5,278.6	-4.8%
50	3,475.8	4,377.4	25.9%	4,129.1	-5.7%
25	1,760.8	2,250.1	27.8%	2,127.6	-5.4%
20	1,371.4	1,766.4	28.8%	1,679.6	-4.9%
10	526.8	703.2	33.5%	664.4	-5.5%
5	108.6	138.6	27.6%	132.8	-4.2%
2	0.0	0.0	0.0%	0.0	0.0%
<b>Aggregate Exceedance Probability (AEP)</b>					
1,000	17,126.5	21,150.4	23.5%	20,338.0	-3.8%
500	13,142.8	16,430.8	25.0%	15,803.0	-3.8%
250	10,327.7	12,767.7	23.6%	12,251.3	-4.0%
200	8,956.3	11,087.5	23.8%	10,603.2	-4.4%
100	5,707.9	7,144.4	25.2%	6,776.6	-5.1%
75	4,892.9	6,081.0	24.3%	5,815.3	-4.4%
50	3,787.5	4,800.2	26.7%	4,597.5	-4.2%
25	1,934.9	2,511.4	29.8%	2,385.2	-5.0%
20	1,498.4	1,922.1	28.3%	1,809.7	-5.8%
10	582.3	773.1	32.8%	739.7	-4.3%
5	115.4	149.0	29.1%	141.7	-4.9%
2	0.0	0.0	0.0%	0.0	0.0%
<b>AAL</b>	301.7	384.2	27.3%	367.2	-4.4%
<b>StdDv</b>	1,260.9	1,579.7	25.3%	1,519.2	-3.8%

Portfolio	NCIUA AIR NT (WSST)				
	12/31/2023	12/01/2024	% Change	wWDR	% Change
<b>TSI</b>	127,895.3	153,450.9	20.0%	153,450.9	0.0%
<b>Geocoded TSI</b>	127,895.3	153,450.9	20.0%	153,450.9	0.0%
<b>Location Limits*</b>	125,703.7	151,029.3	20.1%	151,029.3	0.0%
<b>Policy Limits*</b>	14,801.5	16,494.7	11.4%	16,494.7	0.0%
<b>Risk Count*</b>	252,278	272,554	8.0%	272,554	0.0%

\* Location limits, policy limits and risk counts based on geocoded risks.

Return Period	NCIUA AIR NT (WSST)				
	Gross Loss				
Return Period	12/31/2023	12/01/2024	% Change YOY	wWDR	% Change
<b>Occurrence Exceedance Probability (OEP)</b>					
1,000	16,781.1	20,897.2	24.5%	20,077.6	-3.9%
500	13,289.4	16,607.2	25.0%	16,060.2	-3.3%
250	11,027.9	13,645.5	23.7%	13,143.6	-3.7%
200	9,669.6	11,951.9	23.6%	11,492.1	-3.8%
100	6,916.7	8,529.5	23.3%	8,175.6	-4.1%
75	5,813.0	7,184.6	23.6%	6,873.3	-4.3%
50	4,357.6	5,401.0	23.9%	5,148.5	-4.7%
25	2,519.9	3,207.5	27.3%	3,036.3	-5.3%
20	1,993.5	2,541.9	27.5%	2,410.4	-5.2%
10	875.2	1,141.2	30.4%	1,084.7	-4.9%
5	238.8	312.0	30.7%	296.4	-5.0%
2	0.0	0.0	0.0%	0.0	0.0%
<b>Aggregate Exceedance Probability (AEP)</b>					
1,000	17,862.1	22,038.0	23.4%	21,286.5	-3.4%
500	13,836.8	17,142.2	23.9%	16,578.2	-3.3%
250	11,421.4	14,407.8	26.1%	13,852.5	-3.9%
200	10,395.2	12,806.8	23.2%	12,358.3	-3.5%
100	7,160.3	8,951.2	25.0%	8,538.4	-4.6%
75	6,194.0	7,662.7	23.7%	7,368.3	-3.8%
50	4,786.3	6,024.2	25.9%	5,763.4	-4.3%
25	2,775.2	3,549.9	27.9%	3,363.7	-5.2%
20	2,227.5	2,834.9	27.3%	2,691.2	-5.1%
10	976.2	1,265.3	29.6%	1,203.2	-4.9%
5	262.2	344.6	31.4%	327.0	-5.1%
2	0.0	0.0	0.0%	0.0	0.0%
<b>AAL</b>	411.9	523.6	27.1%	500.4	-4.4%
<b>StdDv</b>	1,449.6	1,814.9	25.2%	1,745.0	-3.9%

### Disclaimer:

In the case where no value is reported or modeled, the cell in the table will be blank.

In the case of missing data and the formula cannot be calculated, the cell will have a dash (-) symbol.

## North Carolina Joint Underwriting Association

Portfolio		Model
NCJUA HU	12/31/2023	Verisk Touchstone 10.0 Wind
	12/01/2024	Verisk Touchstone 11.5 Wind

Exposure and Loss shown in Millions USD

Portfolio	NCJUA AIR LT				
	12/31/2023	12/01/2024	% Change	wWDR	% Change
<b>TSI</b>	42,895.9	58,658.9	36.7%	58,658.9	0.0%
<b>Geocoded TSI</b>	42,895.9	58,658.9	36.7%	58,658.9	0.0%
<b>Location Limits*</b>	41,615.7	56,604.7	36.0%	56,604.7	0.0%
<b>Policy Limits*</b>	6,717.0	11,582.8	72.4%	11,582.8	0.0%
<b>Risk Count*</b>	270,292	294,752	9.0%	294,752	0.0%

\* Location limits, policy limits and risk counts based on geocoded risks.

Return Period	NCJUA AIR LT				
	Gross Loss				
	12/31/2023	12/01/2024	% Change YOY	wWDR	% Change
<b>Occurrence Exceedance Probability (OEP)</b>					
1,000	2,459.6	3,316.6	34.8%	2,985.2	-10.0%
500	2,116.3	2,906.6	37.3%	2,632.9	-9.4%
250	1,629.9	2,285.0	40.2%	2,053.8	-10.1%
200	1,458.0	1,973.4	35.3%	1,747.0	-11.5%
100	986.9	1,340.3	35.8%	1,228.7	-8.3%
75	831.1	1,168.3	40.6%	1,063.2	-9.0%
50	630.6	871.1	38.1%	805.5	-7.5%
25	335.2	490.8	46.4%	451.6	-8.0%
20	254.0	371.8	46.4%	346.7	-6.7%
10	98.0	142.1	45.0%	132.8	-6.6%
5	18.5	26.6	43.5%	25.2	-5.0%
2	0.0	0.0	0.0%	0.0	0.0%
<b>Aggregate Exceedance Probability (AEP)</b>					
1,000	2,550.1	3,437.7	34.8%	3,055.6	-11.1%
500	2,257.0	3,096.2	37.2%	2,766.1	-10.7%
250	1,743.3	2,413.0	38.4%	2,152.6	-10.8%
200	1,569.8	2,145.9	36.7%	1,911.6	-10.9%
100	1,033.2	1,458.9	41.2%	1,321.7	-9.4%
75	888.3	1,246.2	40.3%	1,139.0	-8.6%
50	704.9	989.9	40.4%	904.5	-8.6%
25	367.0	526.8	43.5%	484.4	-8.1%
20	287.4	415.9	44.7%	388.1	-6.7%
10	106.8	152.7	43.0%	142.8	-6.5%
5	19.8	28.7	45.2%	27.6	-4.0%
2	0.0	0.0	-	0.0	0.0%
<b>AAL</b>	54.4	77.0	41.5%	70.6	-8.3%
<b>StdDv</b>	219.5	305.1	39.0%	276.2	-9.5%

Portfolio	NCJUA AIR NT (WSST)				
	12/31/2023	12/01/2024	% Change	wWDR	% Change
<b>TSI</b>	42,895.9	58,658.9	36.7%	58,658.9	0.0%
<b>Geocoded TSI</b>	42,895.9	58,658.9	36.7%	58,658.9	0.0%
<b>Location Limits*</b>	41,615.7	56,604.7	36.0%	56,604.7	0.0%
<b>Policy Limits*</b>	6,717.0	11,582.8	72.4%	11,582.8	0.0%
<b>Risk Count*</b>	270,292	294,752	9.0%	294,752	0.0%

\* Location limits, policy limits and risk counts based on geocoded risks.

Return Period	NCJUA AIR NT (WSST)				
	Gross Loss				
	12/31/2023	12/01/2024	% Change YOY	wWDR	% Change
<b>Occurrence Exceedance Probability (OEP)</b>					
1,000	2,652.1	3,723.9	40.4%	3,367.5	-9.6%
500	2,257.5	3,096.2	37.2%	2,766.1	-10.7%
250	1,835.8	2,489.9	35.6%	2,269.0	-8.9%
200	1,722.9	2,365.8	37.3%	2,117.7	-10.5%
100	1,224.4	1,687.0	37.8%	1,506.5	-10.7%
75	1,027.3	1,440.4	40.2%	1,311.3	-9.0%
50	833.9	1,153.1	38.3%	1,056.6	-8.4%
25	470.6	669.1	42.2%	605.0	-9.6%
20	383.0	550.3	43.7%	502.9	-8.6%
10	172.2	246.3	43.0%	229.3	-6.9%
5	44.0	63.6	44.5%	60.1	-5.4%
2	0.0	0.0	-	0.0	0.0%
<b>Aggregate Exceedance Probability (AEP)</b>					
1,000	2,826.5	3,932.6	39.1%	3,512.8	-10.7%
500	2,319.0	3,246.8	40.0%	2,940.5	-9.4%
250	1,932.3	2,716.0	40.6%	2,457.7	-9.5%
200	1,796.7	2,496.7	39.0%	2,268.9	-9.1%
100	1,332.5	1,821.3	36.7%	1,640.5	-9.9%
75	1,124.0	1,577.5	40.3%	1,424.7	-9.7%
50	888.5	1,257.4	41.5%	1,147.4	-8.7%
25	507.9	729.0	43.5%	662.5	-9.1%
20	419.3	599.3	42.9%	547.6	-8.6%
10	189.3	271.7	43.6%	251.6	-7.4%
5	47.2	68.5	44.9%	64.9	-5.2%
2	0.0	0.0	-	0.0	0.0%
<b>AAL</b>	75.6	106.9	41.4%	98.0	-8.3%
<b>StdDv</b>	258.0	358.8	39.1%	324.8	-9.5%

### Disclaimer:

In the case where no value is reported or modeled, the cell in the table will be blank.

In the case of missing data and the formula cannot be calculated, the cell will have a dash (-) symbol.



#### GC Analytics® Disclaimer(s)

The data and analysis provided by Guy Carpenter herein or in connection herewith are provided “as is”, without warranty of any kind whether express or implied. The analysis is based upon data provided by the company or obtained from external sources, the accuracy of which has not been independently verified by Guy Carpenter. Neither Guy Carpenter, its affiliates nor their officers, directors, agents, modelers, or subcontractors (collectively, “Providers”) guarantee or warrant the correctness, completeness, currentness, merchantability, or fitness for a particular purpose of such data and analysis. The data and analysis is intended to be used solely for the purpose of the company internal evaluation and the company shall not disclose the analysis to any third party, except its reinsurers, auditors, rating agencies and regulators, without Guy Carpenter’s prior written consent. In the event that the company discloses the data and analysis or any portion thereof, to any permissible third party, the company shall adopt the data and analysis as its own. In no event will any Provider be liable for loss of profits or any other indirect, special, incidental and/or consequential damage of any kind howsoever incurred or designated, arising from any use of the data and analysis provided herein or in connection herewith.

This report, and the analyses, models and predictions contained herein (“Information”) are provided by Guy Carpenter & Company, LLC (“Broker”) to the client identified in this report (“Client”). This Information is based on data provided by Client and is compiled using proprietary computer risk assessment technology of Risk Management Solutions, Inc. (“RMS”). Such Information constitutes RMS confidential and proprietary information and trade secrets. Client shall (i) not disclose such Information to any third party; (ii) use such Information only for the purpose of facilitating an actual imminent reinsurance placement (“Purpose”); (iii) limit the disclosure of such Information only to its employees, partners and directors who have a need to know, provided that the receiving party shall ensure that each of those persons to whom such Information is to be disclosed is made aware of, and shall procure that such person or persons adhere to, the terms of these confidentiality restrictions; and (iv) use the same degree of care to prevent disclosure or use of such Information for other than the Purpose that it would use for its own confidential information (but in no case with less than a reasonable degree of care). The technology and data used in providing this Information is based on the scientific data, mathematical and empirical models, and encoded experience of scientists and specialists (including without limitation: earthquake engineers, wind engineers, structural engineers, geologists, seismologists, meteorologists, geotechnical specialists, mathematicians and cyber security experts). As with any model of physical systems, particularly those with low frequencies of occurrence and potentially high severity outcomes, the actual losses from catastrophic events may differ from the results of simulation analyses. Furthermore, the accuracy of predictions depends largely on the accuracy and quality of the data used by Client. The Information is provided under license to Broker and is either Broker’s or RMS’s proprietary and confidential information and may not be shared with any third party without the prior written consent of both Broker and RMS. Furthermore, this Information may only be used for the specific business purpose specified by Broker and for no other purpose, and may not be used under any circumstances in the development or calibration of any product or service offering that competes with RMS. The recipient of this Information is further advised that RMS is not engaged in the insurance, reinsurance, or related industries, and that the Information provided is not intended to constitute professional advice.

RMS SPECIFICALLY DISCLAIMS ANY AND ALL RESPONSIBILITIES, OBLIGATIONS AND LIABILITY WITH RESPECT TO ANY DECISIONS OR ADVICE MADE OR GIVEN AS A RESULT OF THE INFORMATION OR USE THEREOF, INCLUDING ALL WARRANTIES, WHETHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO, WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT SHALL RMS (OR ITS PARENT, SUBSIDIARY, OR OTHER AFFILIATED COMPANIES) BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES WITH RESPECT TO ANY DECISIONS OR ADVICE MADE OR GIVEN AS A RESULT OF THE CONTENTS OF THIS INFORMATION OR USE THEREOF.

The results in this report are generated with software models provided by AIR Worldwide Corporation.

Developing models to estimate losses resulting from catastrophes or other large-scale events is an inherently subjective and imprecise process, involving judgment about a variety of environmental, demographic and regulatory factors. The assumptions and methodologies used by AIR in creating the models may not constitute the exclusive set of reasonable assumptions and methodologies. The use of alternative assumptions and methodologies could yield materially different results. Also, the output of the models depends on data and inputs supplied by others, and any gaps, inaccuracies, or changes to the inputs can substantially affect the output.