



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

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

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**North Carolina**  
**IUA - AIR Hurricane Summary**  
 Data inforce as of 11/1/2017

Per Occurrence PMLs:

*AIR - WSST Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Overall Change
1,000	\$10,663,182,590	\$9,758,828,816	-8.5%
500	\$8,435,596,904	\$7,814,816,307	-7.4%
250	\$7,263,803,545	\$6,655,991,180	-8.4%
150	\$5,318,793,857	\$4,967,407,296	-6.6%
100	\$4,538,059,523	\$4,187,430,585	-7.7%
75	\$3,839,404,032	\$3,601,429,115	-6.2%
50	\$2,905,115,906	\$2,716,777,674	-6.5%
20	\$1,332,081,779	\$1,252,292,356	-6.0%
10	\$588,734,410	\$561,188,085	-4.7%

*AIR - Standard Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Overall Change
1,000	\$9,561,770,922	\$8,818,698,865	-7.8%
500	\$8,142,512,221	\$7,581,327,865	-6.9%
250	\$6,225,269,835	\$5,714,325,885	-8.2%
150	\$4,540,163,902	\$4,193,838,220	-7.6%
100	\$3,518,789,090	\$3,322,653,076	-5.6%
75	\$2,956,531,066	\$2,757,240,519	-6.7%
50	\$2,264,712,434	\$2,121,100,199	-6.3%
20	\$914,925,006	\$853,193,115	-6.7%
10	\$356,798,977	\$341,649,221	-4.2%

Annual Aggregate PMLs:

*AIR - WSST Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Overall Change
1,000	\$11,406,816,514	\$10,594,265,165	-7.1%
500	\$8,804,966,911	\$8,036,602,943	-8.7%
250	\$7,399,157,325	\$6,906,043,871	-6.7%
150	\$5,800,643,903	\$5,366,238,960	-7.5%
100	\$4,741,584,792	\$4,348,635,300	-8.3%
75	\$4,088,182,723	\$3,827,647,095	-6.4%
50	\$3,199,119,828	\$2,998,783,873	-6.3%
20	\$1,488,939,686	\$1,401,977,791	-5.8%
10	\$652,787,381	\$611,316,133	-6.4%
Average Annual Loss	\$273,394,876	\$256,332,151	-6.2%
Standard Deviation	\$947,422,448	\$881,350,194	-7.0%
100 Yr PML:Premium	12.2	12.0	-2.1%
Implied HU Loss Ratio	73.7%	73.3%	-0.5%

*AIR - Standard Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Overall Change
1,000	\$11,013,621,096	\$10,258,672,951	-6.9%
500	\$8,435,596,904	\$7,793,567,301	-7.6%
250	\$6,652,348,727	\$6,206,841,915	-6.7%
150	\$4,791,520,494	\$4,358,825,883	-9.0%
100	\$3,831,518,690	\$3,650,962,210	-4.7%
75	\$3,254,629,645	\$3,024,790,893	-7.1%
50	\$2,489,154,076	\$2,329,194,084	-6.4%
20	\$1,018,067,616	\$963,491,353	-5.4%
10	\$393,398,937	\$371,446,004	-5.6%
Average Annual Loss	\$200,270,518	\$187,813,579	-6.2%
Standard Deviation	\$824,563,848	\$767,031,981	-7.0%
100 Yr PML:Premium	9.5	9.5	0.2%
Implied HU Loss Ratio	54.0%	53.7%	-0.5%

Exposure Summary:

	11/1/2016	11/1/2017	
Total Limit	\$81,252,974,196	\$76,402,966,610	-6.0%
Premium	\$370,918,286	\$349,539,324	-5.8%
Policy Count	216,165	206,337	-4.5%
Location Count	232,714	221,351	-4.9%

Modeling Notes:

1. Demand surge is included.
2. Storm surge is excluded.

**North Carolina**  
**JUA - AIR Hurricane Summary**  
 Data inforce as of 11/1/2017

Per Occurrence PMLs:

*AIR - WSST Hurricane View*

*AIR - Standard Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Change	11/1/2016 - TSv4	11/1/2017 - TSv5	Change
1,000	\$1,114,040,379	\$1,209,524,708	8.6%	\$1,066,729,477	\$1,150,281,549	7.8%
500	\$969,569,252	\$1,041,751,710	7.4%	\$908,494,663	\$984,235,082	8.3%
250	\$784,365,518	\$845,386,587	7.8%	\$688,777,240	\$739,104,902	7.3%
150	\$624,347,427	\$672,472,568	7.7%	\$515,187,651	\$555,987,398	7.9%
100	\$511,748,051	\$551,137,926	7.7%	\$411,645,047	\$438,069,343	6.4%
75	\$428,420,814	\$467,586,951	9.1%	\$351,407,760	\$375,610,377	6.9%
50	\$344,102,838	\$375,065,135	9.0%	\$256,608,678	\$280,560,552	9.3%
20	\$158,215,013	\$171,123,208	8.2%	\$105,228,416	\$114,195,885	8.5%
10	\$71,128,415	\$77,094,281	8.4%	\$40,727,023	\$44,129,350	8.4%

Annual Aggregate PMLs:

*AIR - WSST Hurricane View*

*AIR - Standard Hurricane View*

Return Period	11/1/2016 - TSv4	11/1/2017 - TSv5	Change	11/1/2016 - TSv4	11/1/2017 - TSv5	Change
1,000	\$1,204,657,289	\$1,320,777,070	9.6%	\$1,104,625,080	\$1,188,466,439	7.6%
500	\$1,014,370,207	\$1,099,615,463	8.4%	\$948,943,777	\$1,012,275,836	6.7%
250	\$816,029,294	\$885,472,946	8.5%	\$731,811,877	\$790,608,731	8.0%
150	\$667,056,814	\$723,558,567	8.5%	\$550,694,036	\$591,136,484	7.3%
100	\$550,302,625	\$590,305,087	7.3%	\$435,504,226	\$472,889,592	8.6%
75	\$467,447,086	\$505,583,690	8.2%	\$372,077,182	\$395,762,419	6.4%
50	\$371,864,758	\$398,225,231	7.1%	\$290,296,318	\$315,084,794	8.5%
20	\$172,882,119	\$189,324,107	9.5%	\$118,301,052	\$128,784,150	8.9%
10	\$77,961,690	\$85,285,372	9.4%	\$43,596,130	\$47,950,123	10.0%
Average Annual Loss	\$31,389,295	\$34,032,643	8.4%	\$22,586,724	\$24,481,786	8.4%
Standard Deviation	\$108,106,752	\$116,973,975	8.2%	\$92,199,278	\$99,697,543	8.1%
100 Yr PML: Premium	6.6	6.5	-1.8%	5.3	5.2	-2.9%
Implied HU Loss Ratio	40.6%	40.2%	-1.1%	29.2%	28.9%	-1.1%

Exposure Summary:

	11/1/2016	11/1/2017	
Total Limit	\$18,350,842,955	\$20,090,066,621	9.5%
Premium	\$77,253,784	\$84,686,199	9.6%
Policy Count	154,672	163,571	5.8%
Location Count	195,052	206,947	6.1%

Modeling Notes:

1. Demand surge is included.
2. Storm surge is excluded.

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