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September 9th, 2021

Floyd Yager, Chair
Florida Commission on Hurricane Loss Projection Methodology
c/o Donna Sirmons
Florida State Board of Administration
1801 Hermitage Boulevard, Suite 100
Tallahassee, FL 32308

Re: Notification of Interim Model Updates.

Dear Mr. Yager:

We would like to submit for the Commission's consideration an updated model platform version for North Atlantic Hurricane Models 21.0 (Build 2050) now available on Risk Modeler version 2.11.1.

In accordance with the Process for Determining the Acceptability of a Computer Simulation Model, Section VI.H, (**Interim Model Updates after a Model has been found Acceptable by the Commission**) in the November 1, 2019 Report of Activities, we have prepared the following forms for the Commission's review. These are provided for the currently accepted model, the proposed updated/revised version of the model software and the comparison between the two versions demonstrating no change.

- Form A-1 (Zero Deductible Personal Residential Loss Costs by ZIP Code)
- Form A-4 (Output Ranges, 2017 FHCF Exposure Data)
- Form A-8 (Probable Maximum Loss for Florida)
- Form S-5 (Average Annual Statewide Loss Costs – Historical versus Modeled)
- Form V-2 (Hurricane Mitigation Measures and Secondary Characteristics, Range of Changes in Damage)

In addition, revised Appendices E and F are also enclosed, which show where the revised version of Risk Modeler appears on relevant screens and reports.

The forms have been provided for both the current certified model on RiskLink 21.0 and the same model in the revised application Risk Modeler. A percentage change comparison demonstrates that there is no change in output between the two versions.

Nature of the Software Updates/Revisions

RMS has made the following changes to the RiskModeler 2.11.1 platform:

- The Europe Inland Flood Model has been updated to include a flooding footprint that represents the record breaking event that took place between July 12th and 18th, 2021. Affected countries include Germany, Belgium, Luxembourg, France, Netherlands, Switzerland, Italy, and Austria. In this release, Risk Modeler leverages the capabilities of the Europe Inland Flood Models to integrate this new footprint

functionality to provide clients the best possible estimate of the expected losses to a client's exposure.

The Effect to the Underlying Acceptable Model

Logic within the platform has been revised as described in the items above.

The Effect on the Model Results

This issue does not and can not affect any certified model results. The forms in the submission (as demonstrated), as well as extensive internal testing, show no difference in Florida model results for the RiskModeler platform. We have not seen any changes or problems, heard of any related to these issues, and do not expect changes in results at any time in the future under realistic conditions.

Thank you for your consideration.

Sincerely,

Matthew Nielsen

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