

## Climate Change Disclosure Statement

**Ecological Services and Markets, Inc.**  
www.esmarkets.com

March 11, 2018

This optional disclosure statement is attached to and made part of the Offer to Purchase and Contract between Seller and Buyer for the Property at the request of the \_\_\_\_ Seller, \_\_\_\_ Buyer.

During Due Diligence the Buyer has the right to assess the risk that severe weather may pose to the future use and enjoyment of the property. Scientist have assigned a likelihood of 95-100% that climate change is occurring due to release of hydrocarbons into the atmosphere (U.S. Global Change Research Program, Climate Science Special Report; <https://science2017.globalchange.gov/>). There is strong evidence from multiple sources that climate change is increasing temperatures. There is also evidence from several sources that climate change is increasing frequency and intensity of rain events as well as increasing rates of evapotranspiration. These factors interact with the developed landscape to change the frequency and severity of wildfire, drought, flooding, and sea level rise. Heavy rain events can also increase the frequency of landslides but given existing data the link with climate change is less clear. The extent to which these threats linked to climate change may affect this Property will vary based on the Property's elevation, slope, degree of development nearby, and where it is located relative to natural features such as the ocean, lakes, rivers, streams, and vegetated areas prone to fire. To help you understand the risks, public data sources about severe weather and climate change are disclosed here:

- **Wildfire**
  - △ Wildfire risks maps are not currently available online but can provided by Ecological Services and Markets and other natural resource firms.
  - △ Community and home preparedness: [www.firewise.org](http://www.firewise.org)
- **Drought**
  - △ The following link provides drought and rainfall summaries <https://www.ncdc.noaa.gov/sotc/drought/201710#det-spi>
- **Flooding**
  - △ The 100-year floodplain means that given past rain events and degree of development in the watershed there is a 1% chance the land will flood in any given year. **This probability ignores projected influence of climate change.**
  - △ The Biggert-Water Flood Insurance Reform Act of 2012 instructed FEMA to revise flood hazard mapping guidelines to include climate change and sea level rise, but it has yet to be completed.
  - △ You can check how updated your floodplain map is: [www.fema.gov/national-flood-insurance-program-community-status-book](http://www.fema.gov/national-flood-insurance-program-community-status-book)

Valid in North Carolina

Check with your State Real Estate Commission before use.

- △ The National Flood Insurance Program is over \$24 billion in debt, so payments are coming from the National Treasury, contributing to our national debt.
  - △ For a forward-looking assessment of flooding risks at the parcel level, obtain a report at [www.floodscores.com](http://www.floodscores.com), powered by Coastal Risk Consulting (CRC)'s unique cloud based technology employing the latest scientific modeling techniques. This report will provide detailed maps showing where on your property flooding is likely to occur over future years from Tidal, Storm Surge, Riverine and Heavy Rainfall flooding. CRC also provides comprehensive "Resiliency Packages" with a variety of customizable adaptation actions to protect your property from the risk of flooding. Use code "doug10" for a 10% discount.
- **Sea level rise**
    - △ Estimate the probability of flooding under sea level rise scenarios <https://coast.noaa.gov/digitalcoast/tools/slr>

Property Address: \_\_\_\_\_

Owner's names: \_\_\_\_\_

Owner's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Owner's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Buyer acknowledges receipt of this disclosure statement and reading before signing.

Buyer's signature: \_\_\_\_\_ Date: \_\_\_\_\_

Buyer's signature: \_\_\_\_\_ Date: \_\_\_\_\_