

3.0 Fact Sheet



RELi National Consensus Resilience Standard

– changes include 2' minimum sea level rise flooding + storm surge protection by 2030 based on new NASA data –

Background. With the Climate Crisis' greatly increased need for more aggressive carbon pollution reductions and adaptation, RELi is undergoing comprehensive changes to meet this urgent demand for buildings, homes and infrastructure to maintain commerce and national security. RELi is a partnership among Market Transformation to Sustainability's (MTS), Capital Markets Partnership, and Perkins&Will. MTS' ANSI accredited consensus process, provides a nimble and widely recognized approach for rapidly making amendments to RELi.

RELi Certifications include MTS' legally binding certification to FTC's Green Guides stating that the information submitted for RELi Certification is accurate, not misleading, and prepared by qualified professionals, as successfully used in the market for consensus standards since 2002.

New RELi credits can rapidly reduce carbon pollution to help achieve IPCC's 2030 Deadline reduction of 420+ gigatons / \$14 trillion, so resilience does not soon become cost prohibitive, and the Planet remains habitable. Based on extensive market feedback, RELi's National Consensus Resilience Committee Chaired by Doug Pierce, Perkins&Will's Global Resilience Design Director, will be voting on the following substantive changes:

- **2' minimum 2030 sea level rise flooding + storm surge protection deadline** based on new NASA ice-penetrating aerial imagery of W. Antarctica showing rapidly accelerating melt increasing sea level flooding by about 10 times. These new NASA data are not part of any current global models / projections which now need to be recalibrated, and are an update from NASA's 2014 video showing unstoppable W. Antarctic melt. See attached Thwaites Glacier Pending Plunge / Collapse Schematic developed with NASA JPL.
- **Greatly enhanced RELi Pilot criteria to foster needed innovation** and rapidly assimilate the complexities of resilience
- **Reducing timeframe for backup power and essential supplies for non-critical structures** where there is no overnight stay of occupants
- **Allowing critical structures without community uses to achieve tornado shelters** in protected basements and first floors
- **Executing National Academy of Sciences natural systems protections** through capital markets support of reforestation and achieving Lacey Act Due Care Standard prohibiting illegal logging
- **Removing mandatory community involvement prerequisite for private sector**, but keeping the prerequisite for government structures
- **Enhanced commissioning & long-term maintenance & monitoring become optional credits.** Fundamental commissioning and energy metering remain as prerequisites.
- **Making optional the following stormwater means of compliance which must protect human health & environment:** reuse, infiltration, evapotranspiration, storage & treatment
- **Commercial and retail buildings are non-critical structures and can achieve thermal safety as an optional credit**, thus removing this prerequisite.
- **Incorporating ICC's updated 2018 International Wildland-Urban Interface Code or 2013 NFPA 1144**, or for California, more stringent building code requirements
- **Reduced total required for certification to 100 points**