Planning for a just, prosperous, and resilient future with climate change migration

Vital Communities <--> UVAW: Nov 9, 2021

(https://vitalcommunities.org/climate-change/)

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Background





BS Meteorology



MS & PhD Meteorology

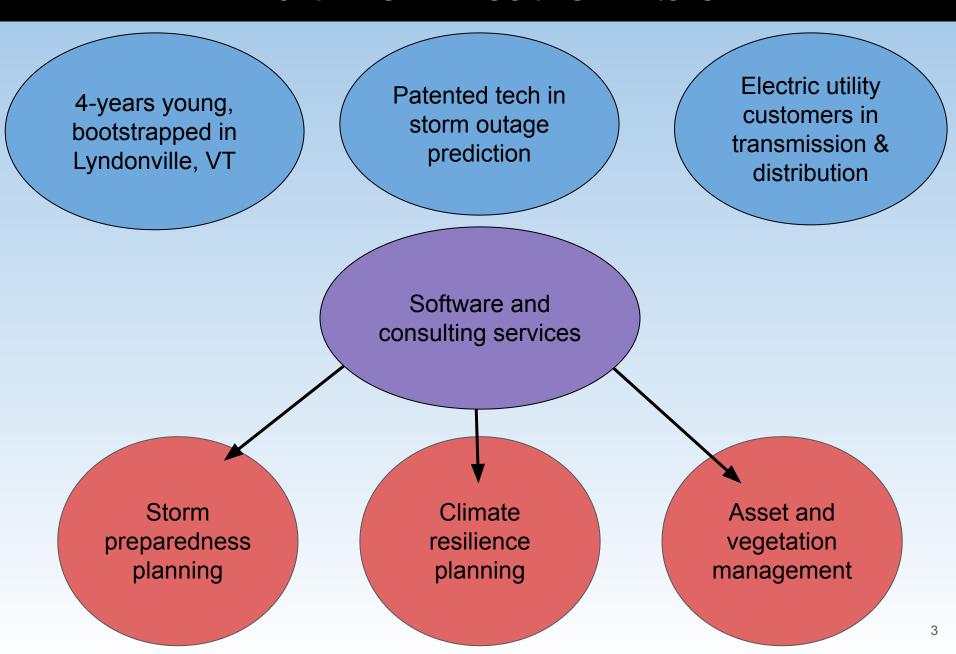


Faculty - Atmospheric Sciences

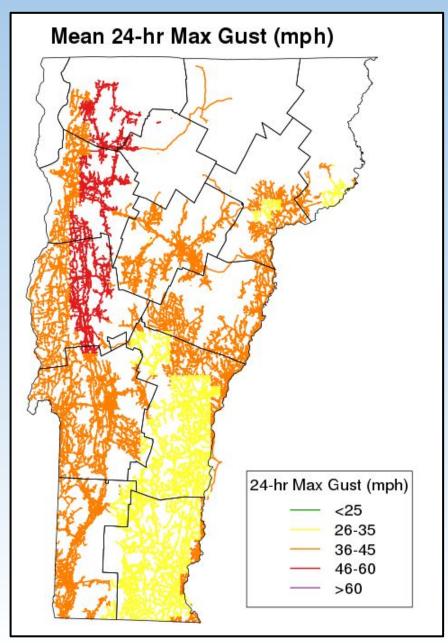


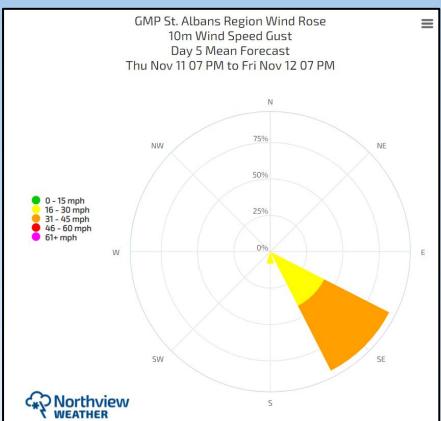
Founder / Entrepreneur

Northview Weather Vitals



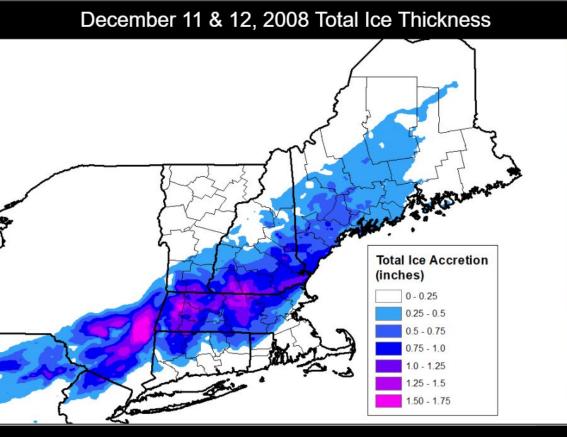
Operational weather prediction - customized analytics







Climate resilience research - understanding future risks

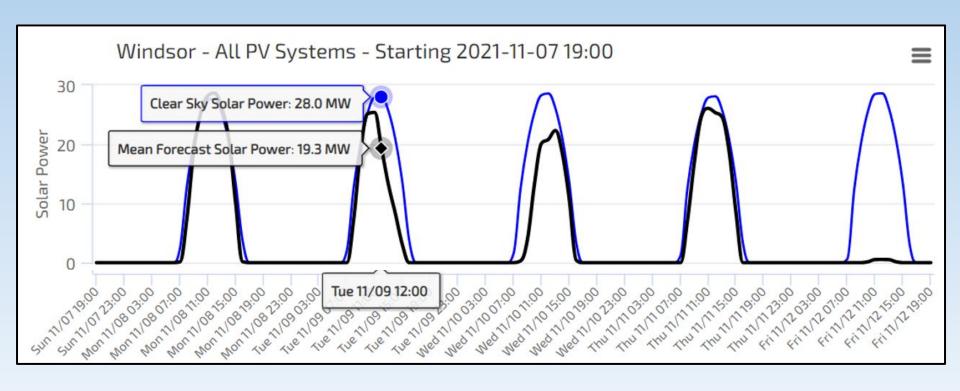




Overall weather risk on the Vermont electric grid shows that the most intense storms are tending to get stronger in a warmer and wetter climate. Estimated increases in power outages of +10 to +15% through 2050 (moderate confidence).



Solar Power Prediction - managing intermittency



A Regional Coalition - Build Back Better

Software/Tech cluster concept-lead by CORI



Applied Learning Partners

Dartmouth: Dali Lab

UVM: Cat Coders

Vermont Technical College

Northern Vermont University

Community College of VT

Community Partners/Projects

VCET

BDCC: Brattleboro

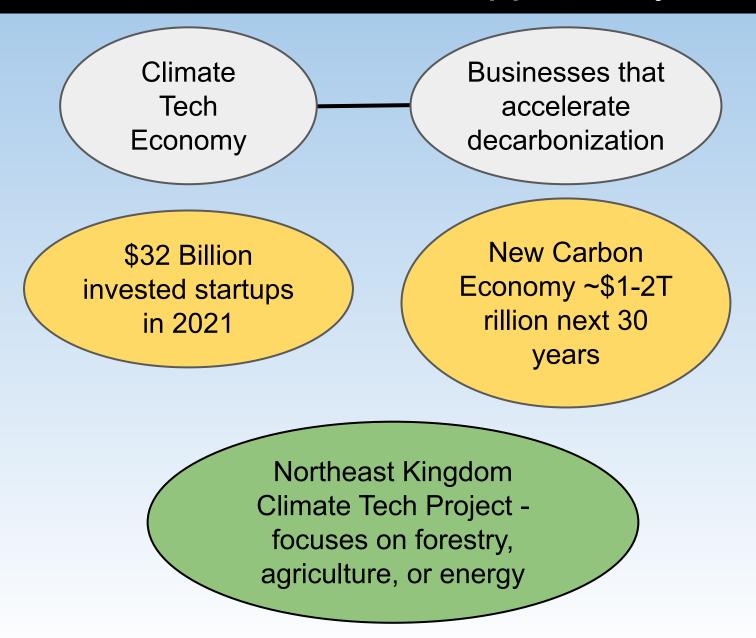
CEDRR: Rutland

GMEDC: White River Junction

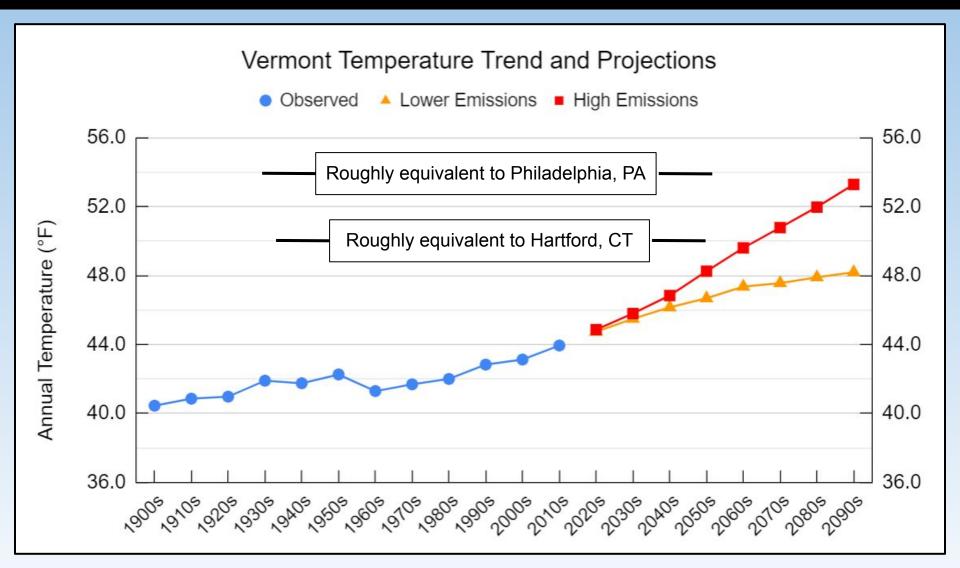
BRIC: Springfield

NVDA - Northeast Kingdom

The Climate Tech Opportunity



Climate Migration



Projection data: https://crt-climate-explorer.nemac.org/

Observation data: https://www.ncdc.noaa.gov/cag/divisional/mapping/43/pcp/202009/12/value

