

Supporting Information for “The Goldilocks Zone in Cooling Demand: What can we do better?”

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Here we present supplementary Figures (S1–S6) that are cited in the main text.

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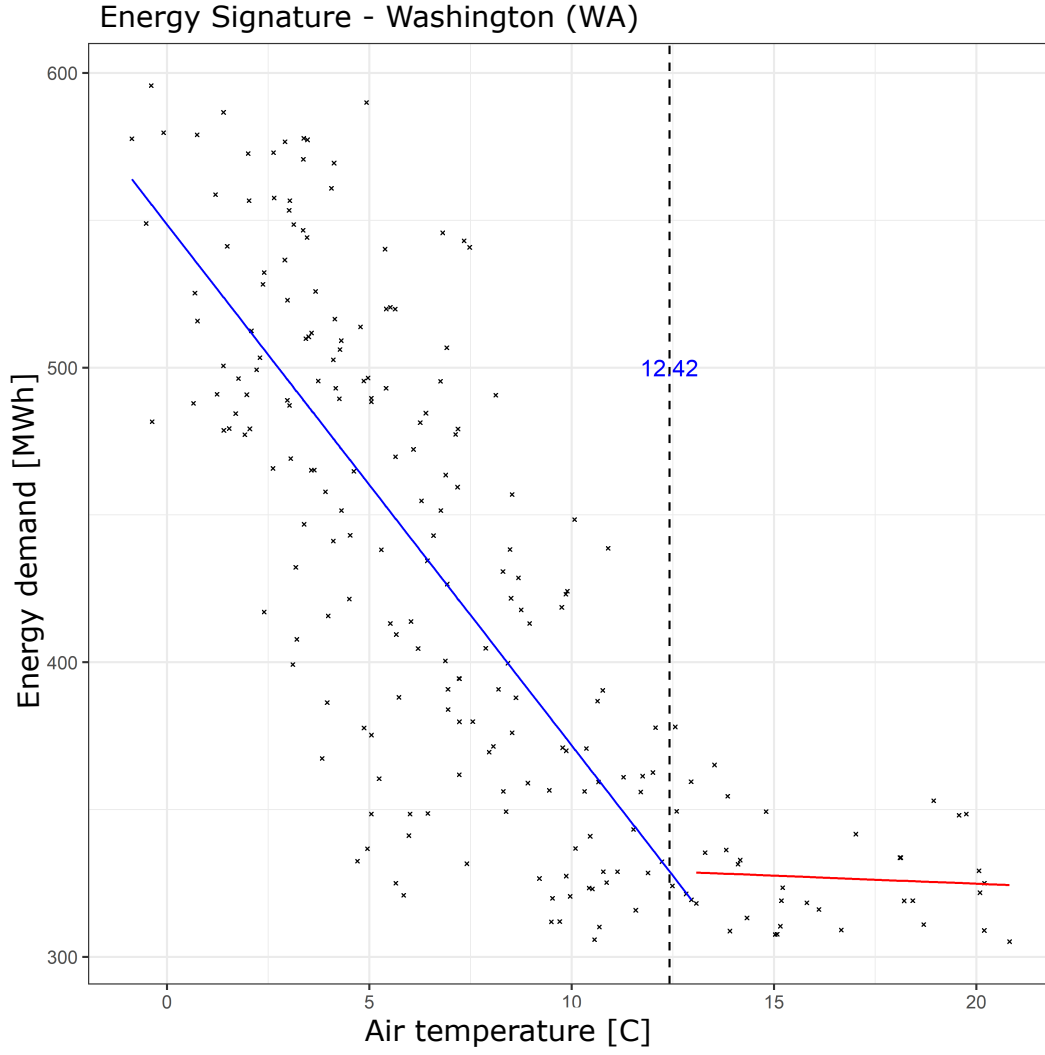


Figure S1. The Energy Signature method for the state of Washington (WA). Even though there is a energy response for the heating demand, there is no visible response for the cooling demand. Hence, we did not add WA results for the derived air temperature results depicted in the main Figure 1.

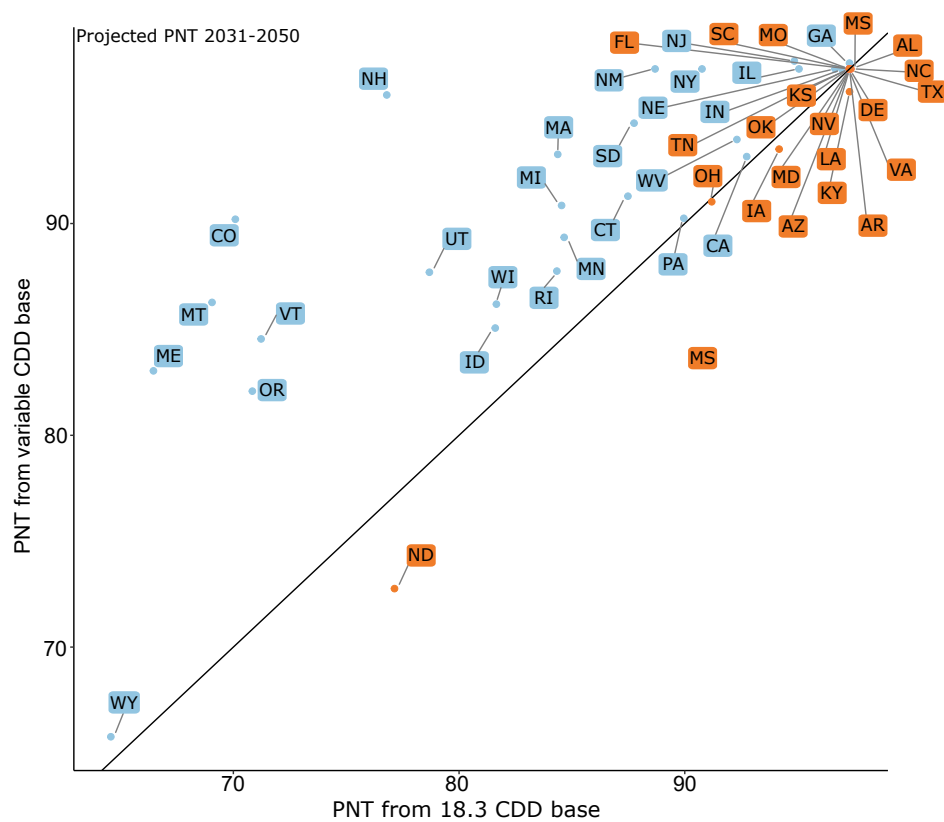


Figure S2. Projected values (2031-2050) PNT from variable CDD versus PNT from the 65°F (18.3°C) base value.

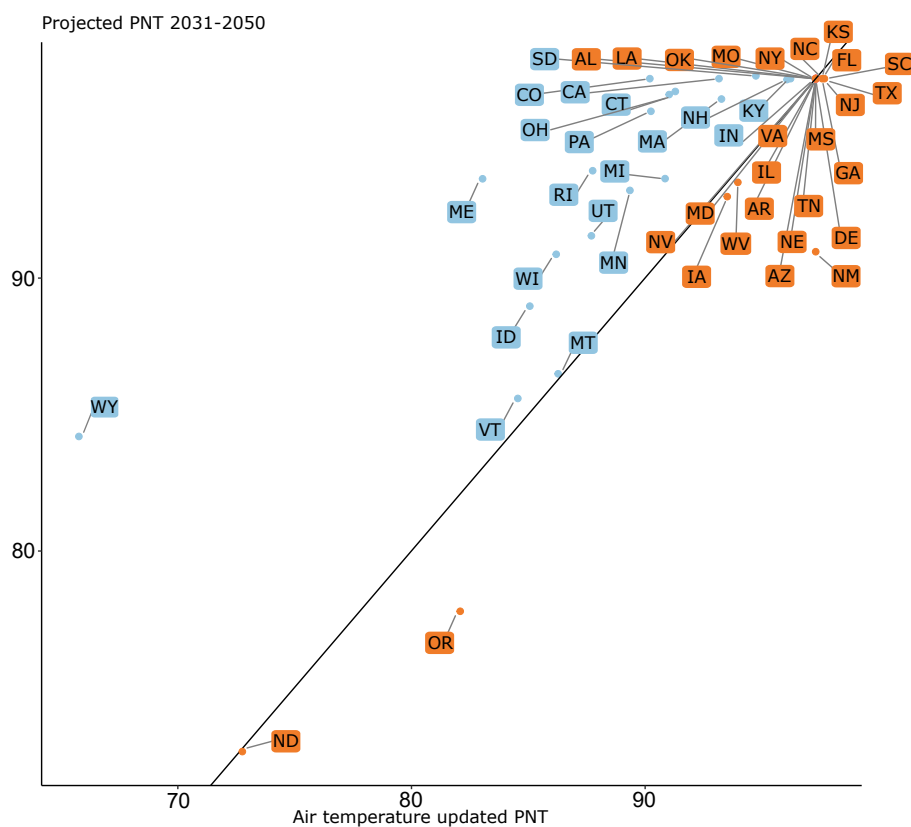


Figure S3. Projected values (2031-2050) PNT from heat index CDD versus PNT from variable CDD.

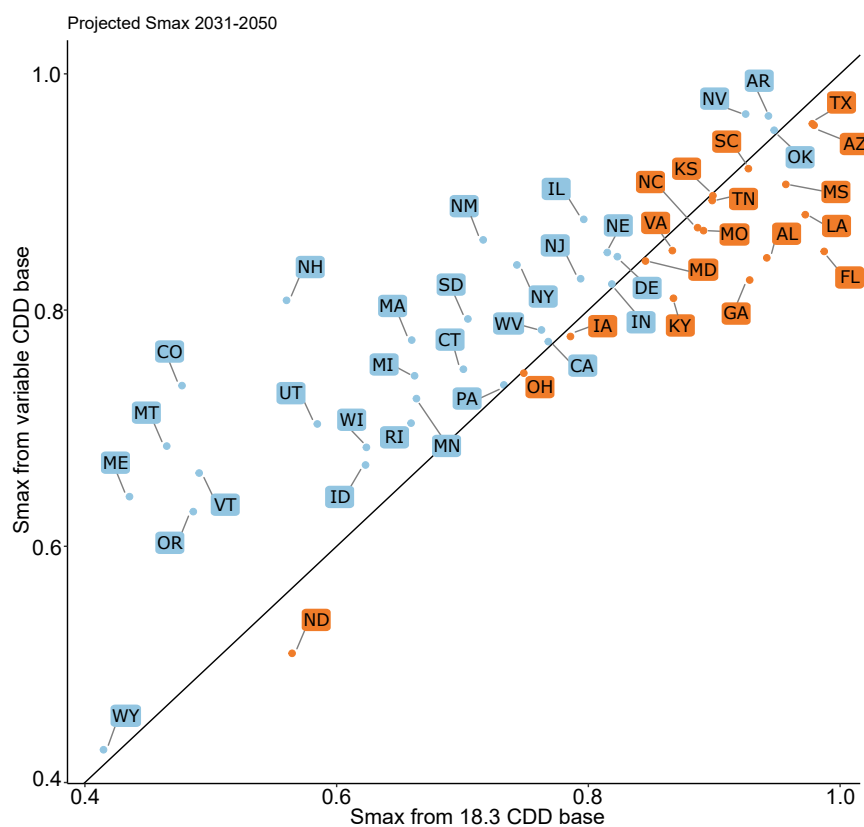


Figure S4. Projected values (2031-2050) Smax from variable CDD versus Smax from the 65°F (18.3°C) base value.

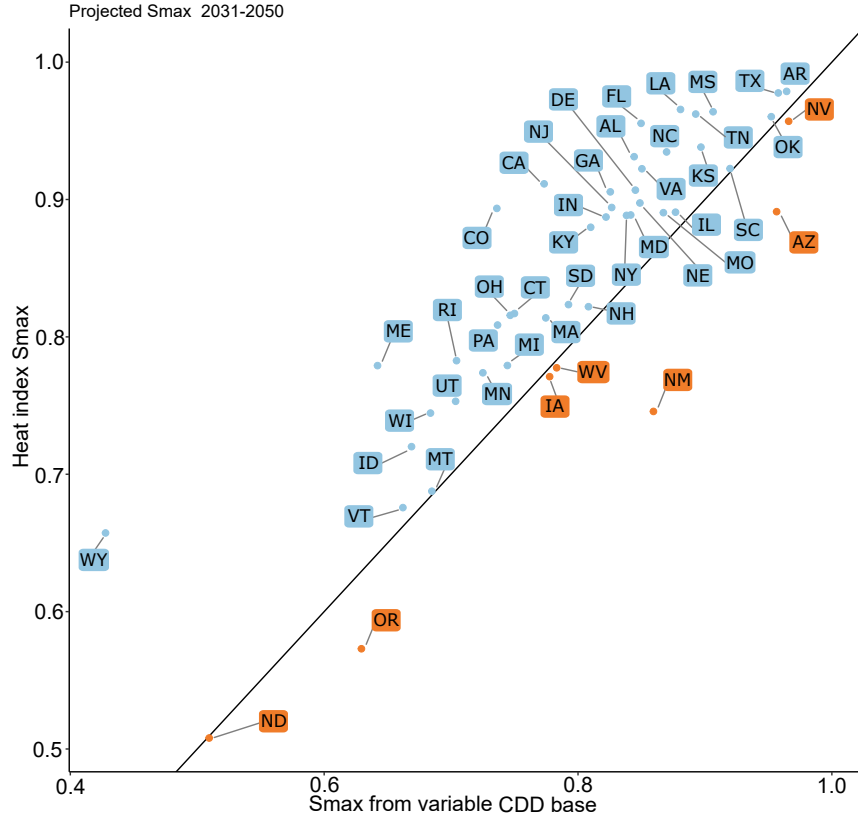


Figure S5. Projected values (2031-2050) Smax from heat index CDD versus Smax from variable CDD.

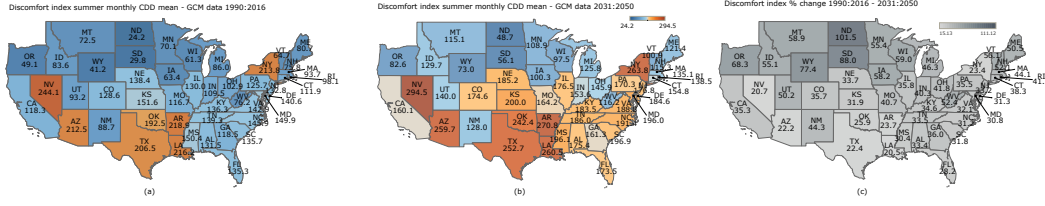


Figure S6. Discomfort index (DI) CDD. (a) represents data from the projected GCMs from 1990-2016 for the summer months (May to September). (b) represents the projected time frame (2031-2050) and summer months, but for the updated discomfort index base. Finally, (c) depicts the difference between the first two panels.