

# WRF-MMIF-AERMET Model Performance Evaluation in support of a PSD permit application

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EPA R10



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# EPA Region 10 Technical Support



Does the State need to provide a formal determination that it is cost prohibitive or infeasible to collect adequately representative site-specific meteorological data?



# EPA Region 10 Technical Support

## ***Recommendation:***

Perform a qualitative theoretical evaluation of model performance at the project source site

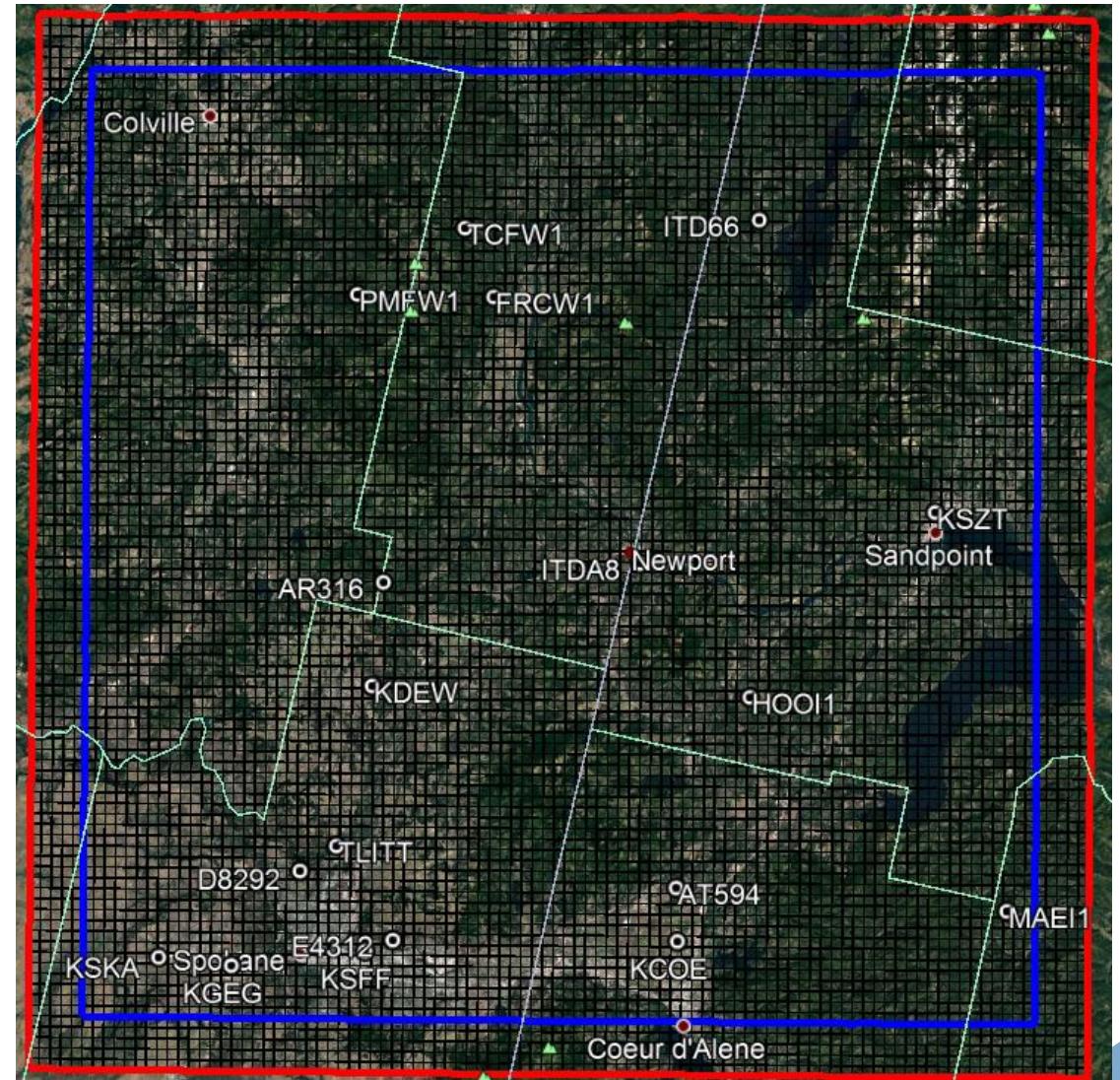
- Wind rose at selected point vs terrain and land-use
- Evaluation of land-use parameters: WRF, AERSURFACE, Observed (visual)
- Determination of representative cell



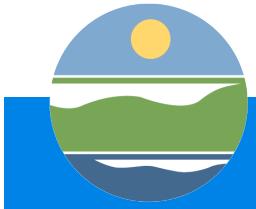
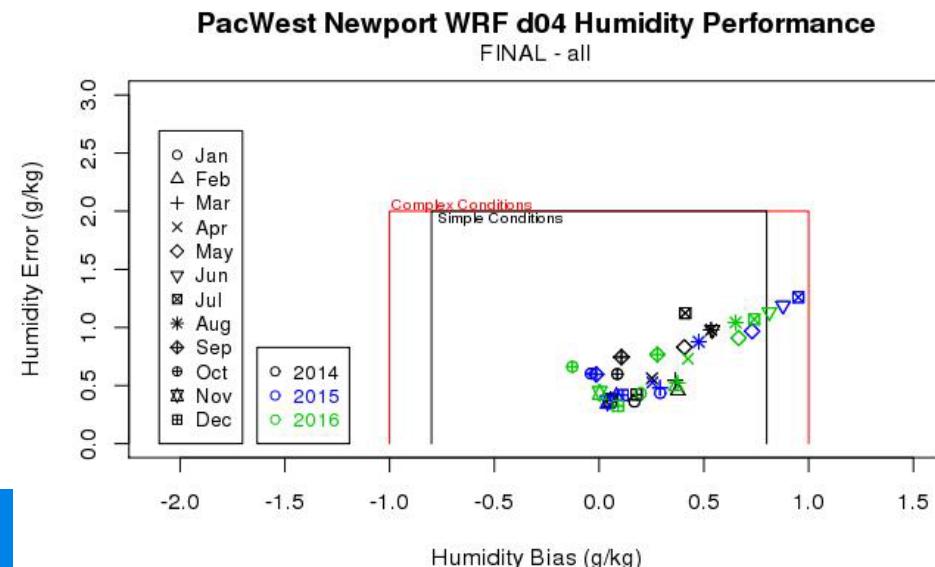
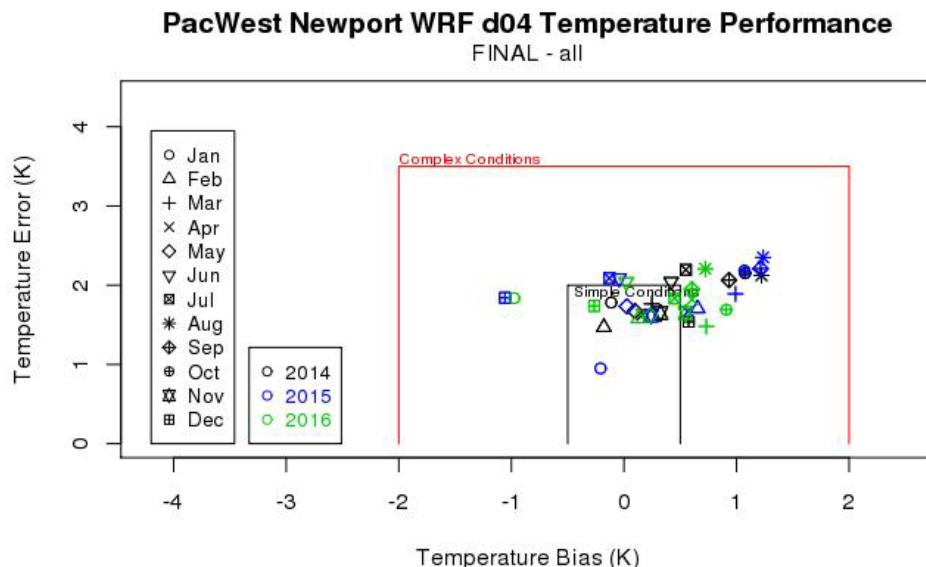
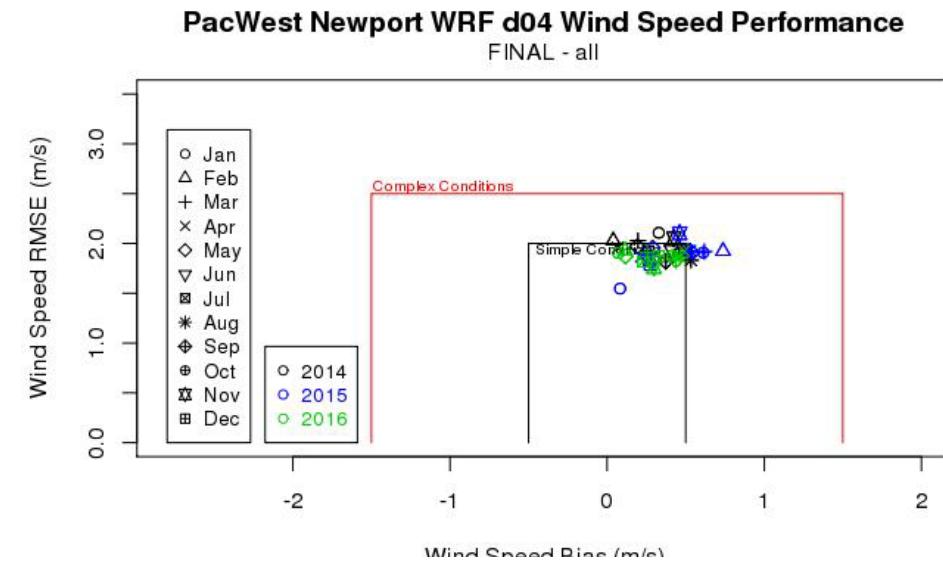
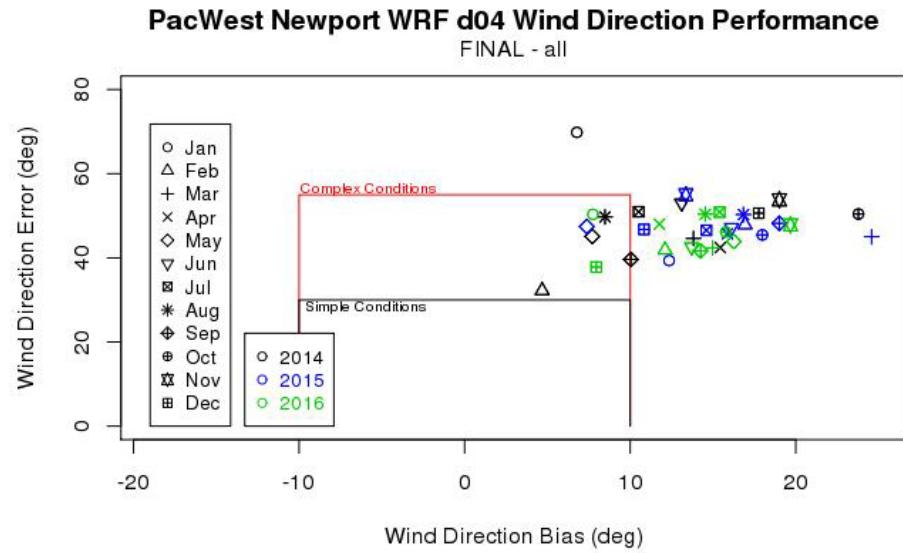
# EPA Region 10 Technical Support

*How many sites?*

*How good of performance?*



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## Q&A

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