

## Supplementary Materials

Impacts of future land use and land cover change on mid-21<sup>st</sup>-century surface  
ozone air quality: Distinguishing between the biogeophysical and  
biogeochemical effects

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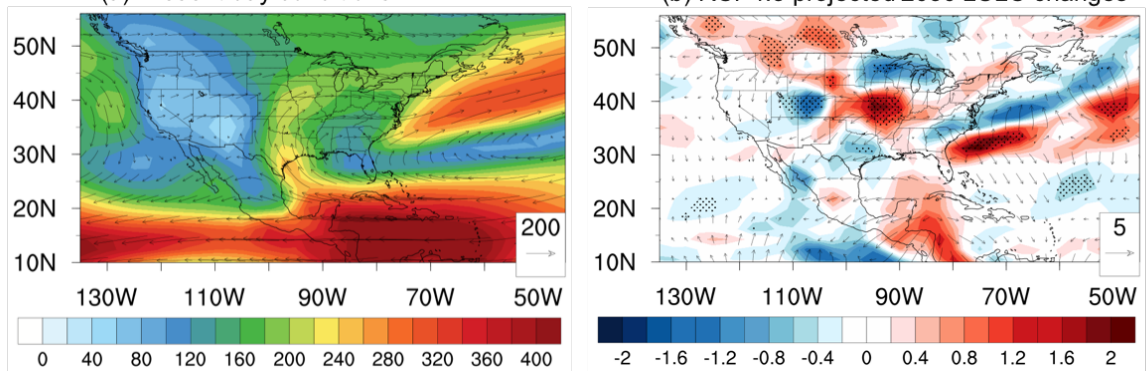
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Vertically integrated moisture transport (vectors,  $\text{kg m}^{-1} \text{s}^{-1}$ ) and its divergence (shading,  $10^{-5} \text{ kg m}^{-2} \text{ s}^{-1}$ )



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33 Figure S1 Present-day conditions in vertically integrated moisture transport and its divergence change, during  
34 the boreal summer over the US due to RCP4.5 projected LULC change. Significant changes are marked by dots.