
**Graphic 1.** Percent increase in area burned by wildfires, from the present-day to the 2050s, as calculated by the model of Spracklen et al. [2009] for the May-October fire season. The model follows a scenario of moderately increasing emissions of greenhouse gas emissions and leads to average global warming of 1.6 °Celsius (3° Fahrenheit) by 2050. Most of the calculated increase in area burned is due to warmer temperatures in the West, which leads to dryer conditions and more serious wildfires.

**Graphic 2.** Percent increase in organic carbon particles at the surface, from the present-day to the 2050s, as calculated by the model of Spracklen et al. [2009] for the May-October fire season. The increase is due mainly to the simulated rise in wildfire frequency in the future, warmer climate.