Abstract Submitted for the MAR15 Meeting of The American Physical Society

Why We Should Care¹ Climate Change & Social Justice: NATHAN T. NESBITT, Boston College — In the past several years the global impacts brought about by climate change have become increasingly apparent through the advent of numerous natural disasters. In these events the social costs of climate change have materialized demonstrating high costs in lives, livelihoods, and equity. Due to geographic bad-luck many of the countries most affected by climate change are those that contributed least, a challenge that's exacerbated by a lack of robust infrastructure in these countries. Wealthy nations remain at risk themselves and incidents such as Hurricanes Sandy & Katrina have demonstrated that in times of crisis even institutions like the Red Cross will abandon the poor to their deaths. As necessary action on climate change would cost the fossil fuel industry \$20 trillion, money in politics has stymied action. Recently, however, a groundswell grassroots movement (e.g. People's Climate March in NYC) and great strides in energy technology and policy have begun to create necessary change. Reports quantifying the impacts of climate change will be discussed, as well as an update on the current state of the global climate justice movement. The important contributions from scientists to this movement will be highlighted.

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