

2018 SUMMER STUDY BUILDINGS: PANEL 11

RESILIENT, SUSTAINABLE COMMUNITIES

PANEL LEADERS: Katherine Johnson, *City of DC* and Stephanie Ohshita, *Lawrence Berkeley National Laboratory*

SESSION TOPICS: This panel will cover a spectrum of topics on resilient communities: Integrated planning and assessment of energy efficiency, climate change mitigation, and resilience at the community scale; utilizing building energy data and community-wide energy analysis to inform policy and contribute to better urban infrastructure; examining how a community focus can make energy saving and climate readiness easier and more enticing; quantification of energy benefits from sustainable and resilient building strategies, including tree canopy, architectural shade, solar-reflective materials, and blue and green infrastructure; analysis of the resilience benefits (i.e. thermal safety and passive survivability) of high performance buildings; incorporating equity considerations into planning for resilient, sustainable communities; assessment of the benefits of urban sustainability initiatives, such as energy savings or value added to real estate by integrated transport and land-use planning and other measures for livable and walkable communities; the contribution of energy efficiency and renewable energy measures to urban climate resilience, such as how district energy, micro-grids, and demand management can address an increased demand for cooling and a need for power stability during more severe weather.