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December 6, 2022

MEMORANDUM

TO: Power Committee Members

FROM: Tina Jayaweera, Manager, Power Planning Resources

SUBJECT: Energy Codes and Passive House

BACKGROUND:

Presenter: Mark Lyles, New Buildings Institute

Summary: Mark Lyles will speak to work that the New Buildings Institute (NBI) is doing to enhance building codes, aiming for a “passive house” that is extremely energy efficient. The requirements for new construction will educate contractors who can then translate those practices into retrofitting existing structures to improve their efficiency as well as resilience to extreme weather events or power outages. Adopting these practices will also improve comfort and indoor air quality for occupants. Mark will share some examples from jurisdictions that have adopted these principles as a means to decarbonize their building stock.

Relevance: Significant weather events and power outages have resulted in loss of life that may have been prevented if the building had been better built or weatherized.

Background: <https://www.phius.org/passive-building/what-passive-building/passive-building-principles>

More Info: <https://newbuildings.org/>