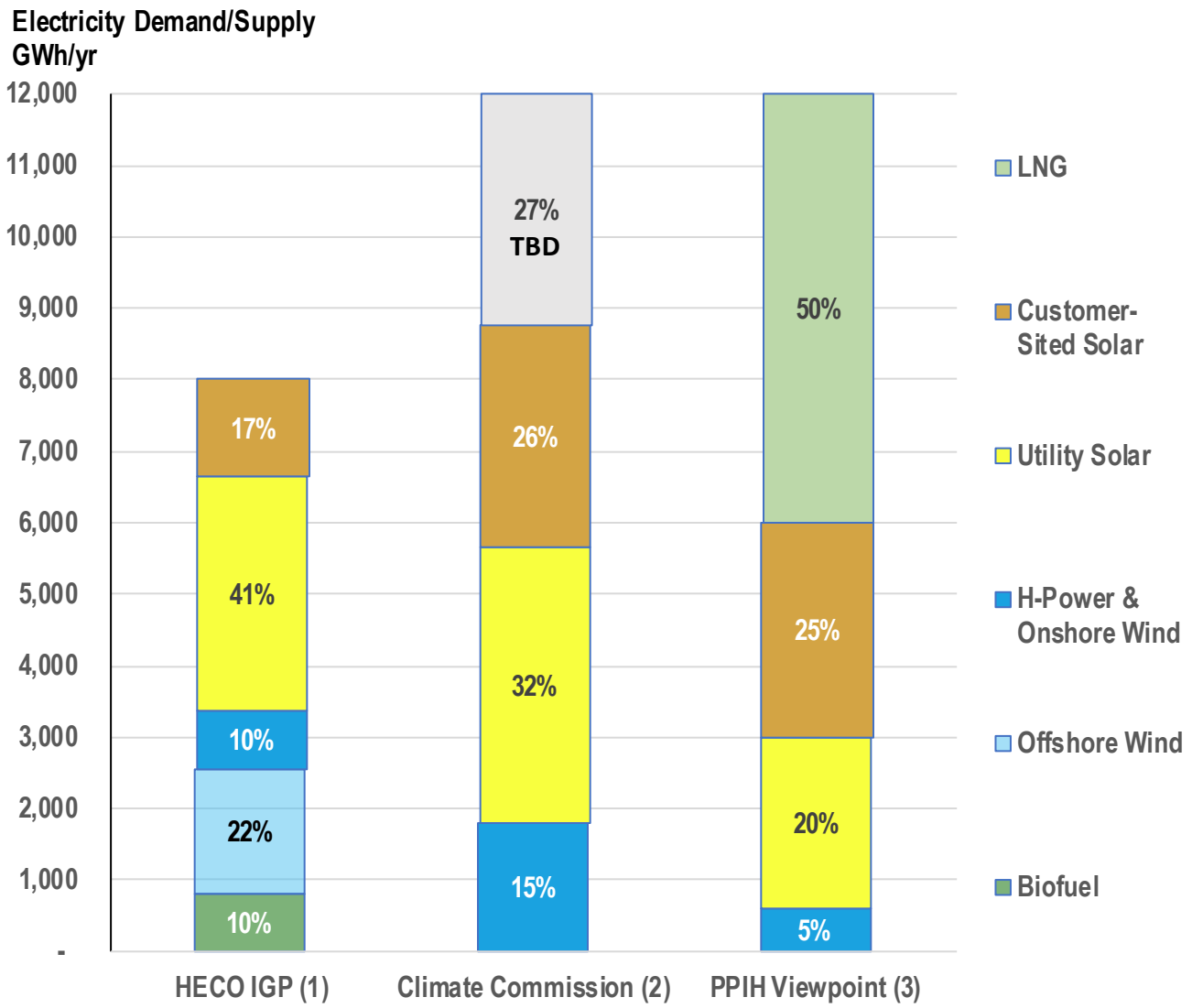
Oahu 2045 Electrical Energy Sources: Three Viewpoints



1. Demand level and source-of-power percentages from Hawaiian Electric's Integrated Grid Plan (IGP) Preferred Plans and Next Steps, November, 2023.
2. Demand level and source-of power percentages from the Hawaii Climate Commission's "Hawaii Climate Action Pathways 2025."
3. Viewpoint of the Practical Policy Institute of Hawaii (PPIH). Comments on the various power sources:
    a. Onshore Wind: The PPIH view is that existing onshore wind projects on or near the North Shore will be at or after their useful lives and that community pushback will negate any new or replacement wind projects.
    b. Utility Solar Farms: The PPIH view is that both the IGP and Commission projections would necessitate imprudent land use, requiring more than 13,000 acres of land and be in conflict with other land-use priorities.
    c. Customer-sited Solar: the PPIH view is that the IGP isn't sufficiently optimistic, and that there will be continuing solar growth in residential rooftops, retail/industrial parking lots, and on military lands.
    d. LNG: The aggregate of the Commission's 27% TBD projection plus incremental reductions in onshore wind and utility solar farm projections as discussed above.