

INCOME ELIGIBLE ACTIVE DEMAND MANAGEMENT

► July 20, 2022

2022-2024 PLAN INCLUDES FIRST-TIME COMMITMENT TO DEMAND REDUCTION FOR LOW INCOME CUSTOMERS

- ▶ **Term Sheet has an IES Active Demand Reduction goal of 1 MW/year, all achieved through planned Wi-Fi thermostat Direct Load Control (DLC) enrollments in Connected Solutions**

2022-2024 Plan Values	2022	2023	2024	Total
Income Eligible DLC units	1,035	1,540	2,045	4,620
Max Net kW	673	1,001	1,329	3,003

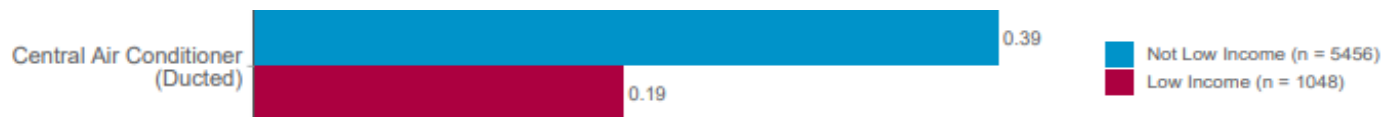
- ▶ **There is no specific Active Demand Reduction goal in the Plan for Income Eligible Storage**

ACHIEVING THE GOAL REQUIRES A PROACTIVE APPROACH

- ▶ **Currently the PAs report 1,394 customers on the discount rate (i.e., low-income customers) were incidentally enrolled in Connected Solutions (vs. 60,681 on the full residential rate)**
- ▶ **The IES program claimed savings for zero Wi-Fi thermostats in 2021**
- ▶ **In Q1 2022:**
 - no IES DLC thermostats were claimed
 - for cooling, 5 multifamily and 2 single family WI-Fi thermostats were installed
- ▶ **Vast majority of income eligible customers likely paid retail rates for their Wi-Fi thermostats**

THERMOSTAT DIRECT LOAD CONTROL FOR INCOME ELIGIBLE CUSTOMERS

- ▶ Residential Baseline Study (2019) shows 19% of Income Eligible homes have central air conditioners, which make them candidates for the PAs' Connected Solutions Direct Load Control offer



- ▶ LEAN has Wi-Fi thermostat installation protocols, which determine whether a customer can receive a Wi-Fi thermostat
 - With current enrollment exceeding IES Wi-Fi thermostats, protocols may not align with actual desire of IES customers and should be re-assessed
- ▶ Wi-Fi thermostat installation presents opportunity for instant enrollment into Connected Solutions on an opt-in basis consistent with the DPU's order

STORAGE

- ▶ **While there is not an explicit Active Demand Reduction goal for storage for the Income Eligible Sector, IES projects are eligible for the PAs' storage incentives**
- ▶ **DPU's order on the Cape and Vineyard Electrification Offering limits PA incentives for storage to compensation for the service of battery storage resources**
 - Ratepayer funds can not be used for costs of installing storage
- ▶ **Equity considerations call for a more proactive approach to supporting IES customers interested in storage**
 - Options include enhanced incentives (such as those recently approved in Connecticut) and flexibility in program design to support co-delivery and/or use of third-party funding sources

THANK YOU

Questions?

▶ June 15, 2022