2024	CPC	N/Tar	iff fi	line

System year 1 is 2025

Button-Up Weatherization

The Button-Up Weatherization Program offers Residential end-use members an

Case: Weatherization	incentive for reducing the heat loss of a home using a variety of building shell measures, including insulation, air sealing, and ENERGY STAR windows. Duct		
	sealing is a separate case.		
<u>Assumption</u>	<u>Source</u>		
Load Impacts Before Participant 10,500 kWh, 8.12 kW (coinc. with winter system peak), 2.47 kW (summer)	Mix of Furnace/Central AC and air source heat pump weighted according to saturation in existing single family homes. 70% heat pump, 30% furnace/CAC.		
Savings: 3,000 kWh 2.20 kW (winter), 0.95 kW (summer) After Participant 7,500 kWh, 5.92 kW (coinc. with winter	GDS kWh savings for a package of measures, weighted by electric heat technology. kW impacts based on planning load profile.		
system peak), 1.52 kW (summer)	Before participant net of savings		
Lifetime of savings Discount rate for TRC and RIM	20 Years 5 percent per EKPC financial data; 3.5 % societal test from Mercatus Center report		
Generation Capacity Cost - \$174.60 per kW-year (no escalation). 73% winter 27% summer. Avoided Electricity Energy Costs - PJM	Avoided costs of a RICE unit. Updated escalators to match. Allocation is 73% winter 27% summer. Summer values based on PJM capacity performance market December 2023 with IHS Markit forecast, start year is 2024.		
Market, AEP-Dayton hub, \$45.96 /MWh in 2025	based on December 26, 2023 ACES Forward prices for AEP_Dayton hub. \$45.96 /MWh in 2025. DSMore Scenario 9 , 0.587 esc in 2025		
Transmission Capacity Cost - OATT tariff \$35.76 per kW-year in 2025	Network rate, 2023-24. 2.8 % escalation rate based on 10 yr PPI Applied to winter coincident peak.		
Distribution Capacity Cost - \$ 4.93 per kW-year in 2025	Basd on marginal cost of distribution. 2.8 % escalation rate based on 10 yr PPI Applied to winter coincident peak.		
Participant Costs \$ 3,125 2% esc.	GDS costs for measure bundle		
Tax credit (benefit): \$400	30% of measure cost less labor costs and utility subsidy , subject to a limit of \$1,200 per year		
Administrative Cost EK \$5,756 (2025 value) fixed annual (2025-2039). 2% esc	Program admin - 2022 value of \$5,300 adjusted to 2025		
Co-op \$360 per new participant	Based on new program design. Average of air sealing and non-air sealing cost		
Rate Schedule - Retail			
Median Residential Rate for Co-ops Cust chrg \$16.09, Energy Rate \$.088229 Rate Schedule - Wholesale	Current rates in effect as of January 2024 includes Environmental Surcharge and FAC		
East Kentucky E-2 rate.	Current rates in effect as of January 2024. includes Environmental Surcharge and FAC		
Participation - 2025: 28. 2026-2039: 560 per year. 10% Free Riders	2025 - existing programs based on 2023 annual report. New programs - 0 (they begin in 2026) 2026-2039 based on proposed new budget		
Rebates Co-op to Participant \$ 1,000, 2% esc EK to Co-op \$1,480, 2% esc	Based on new program design Reimburse for rebate, 50% of admin costs, plus compensation for a share of net lost revenues.		