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System year 1 is 2025

Button-Up Duct sealing

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Case:	Duct	Seal	lına

Sealing ductwork. Duct Sealing Program ("Duct Seal") is designed to incentivize Residential end-use members to seal up the ducts that deliver heat or cooling from the heating or cooling equipment to individual rooms in the home. Reductions in duct losses are measured using a blower test.

out	equipment to individual rooms in the home. Reductions in duct losses are measured using a blower test.
Assumption	Source
Load Impacts	
Before Participant	
	Mix of Furnace/Central AC and air source heat pump weighted according to saturation in
system peak), 2.47 kW (summer)	existing single family homes. 70% heat pump, 30% furnace/CAC.
Savings: 880 kWh 0.78 kW (winter),	GDS kWh savings for duct sealing, weighted by electric heat technology. kW impacts
0.30 kW (summer)	based on planning load profile.
After Participant	
9,620 kWh, 7.34 kW (coinc. with winter	
system peak), 2.23 kW (summer)	Before participant net of savings
Lifetime of savings	20 Years (Illinois 2023 TRM)
Discount rate for TRC and RIM	5 percent per EKPC financial data; 3.5 % societal test from Mercatus Center report
Generation Capacity Cost - \$174.60	Avoided costs of a RICE unit. Updated escalators to match. Allocation is 73% winter
per kW-year (no escalation). 73% winter	27% summer. Summer values based on PJM capacity performance market December
27% summer.	2023 with IHS Markit forecast, start year is 2024.
Avoided Electricity Energy Costs - PJM	hand as Danish as 00,0000 AOEO Francisco for AED Dantas but. CAE OC (MAN):
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	winter coincident peak.
Participant Costs \$ 738. 2% esc.	GDS costs for measure
Tax credit (benefit): \$0	No tax credit available
Advatoriatorativa Const	
Administrative Cost EK \$6,600 (2025 value) fixed annual	
(2025-2039). 2% esc	Program admin - 2022 value of \$6,000 escalated to 2025.
(2020 2000). 270 000	2022 (41.40 0. 40,000 000.40 0. 40.000
Co-op \$200 per new participant	Based on new program design
Dete Cabadula - Detail	
Rate Schedule - Retail	
Median Residential Rate for Co-ops	Current rates in effect as of January 2024 includes Environmental Surcharge and FAC
Cust chrg \$16.09 , Energy Rate \$.088229	
Rate Schedule - Wholesale	
East Kentucky E-2 rate.	Current rates in effect as of January 2024. includes Environmental Surcharge and FAC
East Northard E 2 Tato.	Current rates in check as of bandary 2024. Includes Environmental outcharge and 1 Ao
Participation - 2025: 0. 2026-2039: 37	2025 - existing programs based on 2023 annual report. New programs - 0 (they begin in
per year. 10% Free Riders	2026) 2026-2039 based on proposed new budget
Rebates	Deced on proposed toxiff
Co-op to Participant \$ 500, 2% esc	Based on proposed tariff
EK to Co-op \$750 , 2% esc	Based on proposed tariff