

Baku energy storage for demand response

Key words: Day-ahead power scheduling / Off-grid mode / Consumer involvement / Bi-demand side management approaches / Non-dominated solutions

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t ; T: Time

n ; N: EG

m ; M: Consumers

i, j, \dots : Bus

A, B, C: Fuel cost factors of EGs

CSU, CSD: Cost sharing up and down for EGs

UP, DP: Ramp up and ramp down for EGs

UT, DT: Up and down time for EGs

ρ : Level of participation IN shifting demand

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