

IMPACT OF RETAIL RATE AND RES -E SUPPORTING STRUCTURES ON THE ECONOMICS OF LOCAL OPTIMIZATION IN BUILDINGS

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Current advances in controllers for energy management of building, such as Model Predictive Control (MPC), bring the possibility to improve the tuning of the demand of a building according to its locally-produced renewable energy and to the price signal. This work assesses the potential economic profitability of a MPC building equipped with a PV panel

and a storage capacity, in the frame of currently existing European price structures.