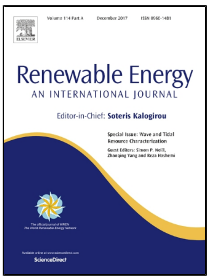
Accepted Manuscript



PATs selection towards sustainability in irrigation networks: simulated annealing as a water management tool

Modesto Pérez-Sánchez, Francisco Javier Sánchez-Romero, P. Amparo López-Jiménez, Helena M. Ramos

PII:	S0960-1481(17)30923-0
DOI:	10.1016/j.renene.2017.09.060
Reference:	RENE 9258
To appear in:	*Renewable Energy*
Received Date:	10 September 2016
Revised Date:	01 September 2017
Accepted Date:	16 September 2017

Please cite this article as: Modesto Pérez-Sánchez, Francisco Javier Sánchez-Romero, P. Amparo López-Jiménez, Helena M. Ramos, PATs selection towards sustainability in irrigation networks: simulated annealing as a water management tool, *Renewable Energy* (2017), doi: 10.1016/j.renene.2017.09.060

Recovering energy in agricultural water networks is technologically feasible

Simulated annealing algorithm allows maximizing the energy recovery in a real network

The methodology proposes the optimal number of PATs and their location in the network

The real recovered energy has been obtained by installing PATs group in lines