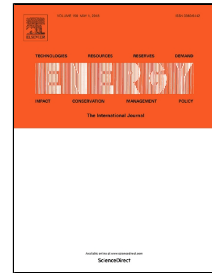


Accepted Manuscript

Peak-off-peak Load Shifting for Optimal Storage Sizing in Hybrid Power Systems Using Power Pinch Analysis Considering Energy Losses



Nor Erniza Mohammad Rozali, Wai Shin Ho, Sharifah Rafidah Wan Alwi, Zainuddin Abdul Manan, Jiří Jaromír Klemeš, Mohamad Nur Salam bin Mohd Yunus, Syed Amarul Adli Syed Mohd Zaki

PII: S0360-5442(18)30840-5
DOI: 10.1016/j.energy.2018.05.020
Reference: EGY 12853
To appear in: *Energy*
Received Date: 17 January 2018
Revised Date: 17 April 2018
Accepted Date: 03 May 2018

Please cite this article as: Nor Erniza Mohammad Rozali, Wai Shin Ho, Sharifah Rafidah Wan Alwi, Zainuddin Abdul Manan, Jiří Jaromír Klemeš, Mohamad Nur Salam bin Mohd Yunus, Syed Amarul Adli Syed Mohd Zaki, Peak-off-peak Load Shifting for Optimal Storage Sizing in Hybrid Power Systems Using Power Pinch Analysis Considering Energy Losses, *Energy* (2018), doi: 10.1016/j.energy.2018.05.020

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

No. of words: 5,685 words

1 **Peak-off-peak Load Shifting for Optimal Storage Sizing in Hybrid Power**
2 **Systems Using Power Pinch Analysis Considering Energy Losses**

3
4
5
6
7
8
9 Nor Erniza Mohammad Rozali*¹, Wai Shin Ho^{2,3}, Sharifah Rafidah Wan Alwi^{2,3},
10 Zainuddin Abdul Manan^{2,3}, Jiří Jaromír Klemesš⁴,
11 Mohamad Nur Salam bin Mohd Yunus¹, Syed Amarul Adli Syed Mohd Zaki¹
12
13
14
15
16

17 ¹*Department of Chemical Engineering, Universiti Teknologi PETRONAS, 32610 Bandar Seri*
18 *Iskandar, Perak, Malaysia*

19 ²*Process Systems Engineering Centre (PROSPECT), Research Institute of Sustainable*
20 *Environment (RISE), Universiti Teknologi Malaysia, 81310 Johor Bahru, Johor, Malaysia*

21 ³*Faculty of Chemical and Energy Engineering, Universiti Teknologi Malaysia, 81310 Johor*
22 *Bahru, Johor, Malaysia*

23 ⁴*Sustainable Process Integration Laboratory – SPIL, NETME Centre, Faculty of Mechanical*
24 *Engineering, Brno University of Technology - VUT Brno, Technická 2896/2, 616 69 Brno, Czech*
25 *Republic*
26
27
28

29 * Corresponding author. Tel.: +605-3687582; fax: +605-3656176

30 E-mail address: erniza.rozali@utp.edu.my
31

Download English Version:

<https://daneshyari.com/en/article/8071394>

Download Persian Version:

<https://daneshyari.com/article/8071394>

[Daneshyari.com](https://daneshyari.com)