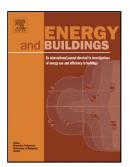
#### Accepted Manuscript

Title: Optimal Chiller Sequencing Control in an Office Building Considering the Variation of Chiller Maximum Cooling Capacity



Authors: Zhaohui Liu, Hongwei Tan, Duo Luo, Guobao Yu, Jin Li, Zhenyu Li

PII:	S0378-7788(16)30949-5
DOI:	http://dx.doi.org/doi:10.1016/j.enbuild.2017.01.082
Reference:	ENB 7357
To appear in:	ENB
Received date:	25-9-2016
Revised date:	15-12-2016
Accepted date:	27-1-2017

Please cite this article as: Zhaohui Liu, Hongwei Tan, Duo Luo, Guobao Yu, Jin Li, Zhenyu Li, Optimal Chiller Sequencing Control in an Office Building Considering the Variation of Chiller Maximum Cooling Capacity, Energy and Buildings http://dx.doi.org/10.1016/j.enbuild.2017.01.082

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## ACCEPTED MANUSCRIPT

### **Optimal Chiller Sequencing Control in an Office Building**

### **Considering the Variation of Chiller Maximum Cooling Capacity**

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## \*Corresponding email: <u>hw\_tan@tongji.edu.cn</u> Highlights

- 1. An optimal chiller sequencing control strategy is proposed ;
- 2. The variation of maximum cooling capacity of chiller is considered and presented ;
- More accurate part-load performance curves considering the effect of the maximum cooling capacity of chiller are presented ;
- 4. The effect of chiller maximum cooling capacity on chiller sequencing strategies is revealed ;
- 5. Three different chiller sequencing control strategies are compared by implementing them in different chilled system configurations.

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