

Overall distance

1000  
800  
600  
400  
200  
0

0

500

1000

1500

2000

2500

3000

Iteration number

Overall distance

100  
90  
80  
70  
60  
50  
40  
30

0

500

1000

1500

2000

2500

3000

Iteration number

- Mean of water cost
- Mean of power cost
- Mean of gas cost
- Mean  $\pm$  STD of water cost
- Mean  $\pm$  STD of power cost
- Mean  $\pm$  STD of gas cost