









		Office 6,000m ²	Hotel 6,000m ²	Hospital 6,000m ²	Shopping center 6,000m ²
single building	case1	х			
	case2		х		
	case3			х	
	case4				х
cluster of buildings	case12	х	х		
	case13	х		х	
	case14	x			х
	case23		х	х	
	case24		х		х
	case34			х	х
	case123	х	х	х	
	case124	х	х		х
	case134	х		x	x
	case234		x	x	x
	case1234	х	х	х	х





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Conclusions

- The comparisons of primary energy consumption show that the energy sharing cases have advantage of energy management within the boundary compared with buildings as separated cases.
- Energy sharing with **small CHP (CHP30)**, it is effective among combinations of buildings that have electricity dominant and heat dominant demand;
 - a hotel and a shopping center with electricity tracking op. is expected to reduce 7.8% PE.
 - a hotel and a hospital with heat tracking op. is expected to reduce about 9% PE.
- Energy sharing with large CHP (CHP70), it is expected among buildings with the combinations of both of electricity dominant or both of heat dominant;
 - $-\,$ a hotel and a hospital by heat tracking op. is expected to reduce 23% PE.
- The results of this study show the advantage of energy sharing depends on the combination of the types of the buildings and the CHP operation strategies.

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