Sustainable Housing Design for China: Shanghai, Shenzhen, Beijing

Shanghai Taidong Residential Quarter

Shenzhen Wonderland Phase IV

Beijing Star Garden Project

Effect of Design Specifications on Worst Case Heating Energy

- Worst Case - no insulation, 1.5 ach infiltration, unshaded single glazed windows 25% of wall area
- Reduce infiltration to 0.6 ach
- Add 50 mm expanded polystyrene insulation
- Low-e double glazed windows with shading 50% of southern wall area

57% savings
74% savings
95% savings