

## Housing Channel

### Title: Carbon Reduction Initiatives in New Development Projects - On Tai Estate and Hoi Ying

#### Estate

Super	Carbon Reduction Initiatives in New Development Projects - On Tai Estate and Hoi Ying Estate
Narrator	Throughout the building development process, the Housing Authority has been adopting a series of environmental protection and carbon reduction initiatives
Narrator	In the design and planning stage we will conduct simulations for studies under microclimate and air ventilation assessments For example, the design of external facade colour pattern of domestic blocks at On Tai Estate is based on thermal study which minimizes the solar heat gain from the building envelopes
Super	Photo (1): The Public Open Space of Hoi Ying Estate serves as breezeway to enhance ventilation of the district Photo (2): On Tai Estate also has wind and view corridors via the central green spine
Narrator	Wind corridors have been allowed in Hoi Ying Estate and On Tai Estate
Narrator	Prefabricated components are widely used to reduce the consumption of construction materials.
Super	Solar panels in Hoi Ying Estate
Narrator	Different carbon reduction facilities will be installed Including photovoltaic panel
Super	On Tai Estate had installed 30 sets of solar light tubes in wet market and carparks
Narrator	solar light tubes
Super	Electric-vehicle charging-system in On Tai Estate
Narrator	electric-vehicle charging-system
Super	Zero Irrigation System in On Tai Estate and Hoi Ying Estate

Narrator                    and Zero Irrigation system

Super                        Community farm in Hoi Ying Estate

Narrator                    We have also set up community farm  
to enhance tenants' environmental awareness