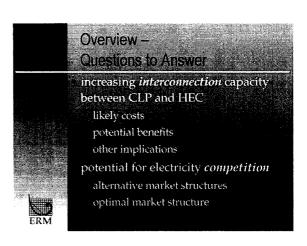
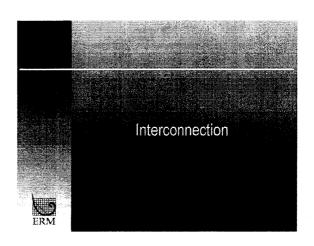
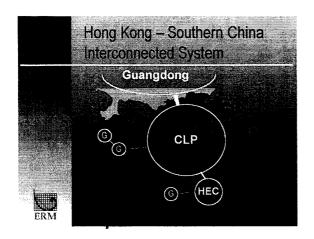


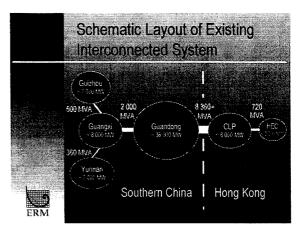
	Overview – 2 Main Topics
	increasing <i>interconnection</i> capacity between CLP and HEC
ERM	potential for electricity competition



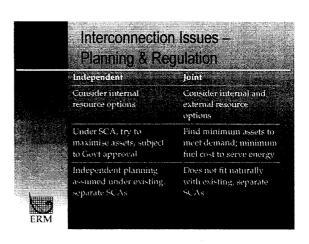
	Overview – Significant Implications
	regulation under the existing SCAs
	the present stage of the <i>investment</i> cycle for generation and transmission development of each utility
ERM	Sets the <i>context</i> for the analysis



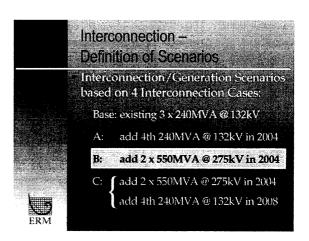




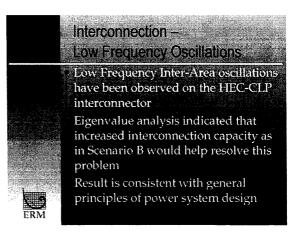
	Interconnection Investment Cyc	Issues – Utility les Gompared
	CLP	HEC
ERM	6 generation units installed / 2 units remaining in first stage of major expansion	some small upgrades: (re- powering, conversion to CCGT) in near term planned major expansion not yet commenced
	no major transmission additions required for generation expansion in near term	major transmission investments required
	incremental costs low	incremental costs high

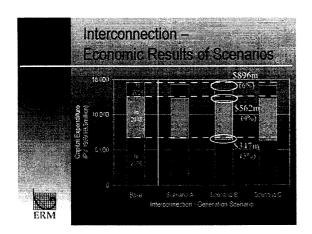


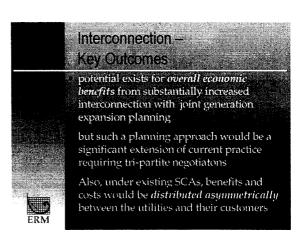
	Interconnection – Methodology and Approach
	identify technically possible future generation and transmission options analyse incremental costs
	calculate effect on bills/revenues and tariffs under SCA accounting
	assess any other technical and qualitative considerations
ERM	

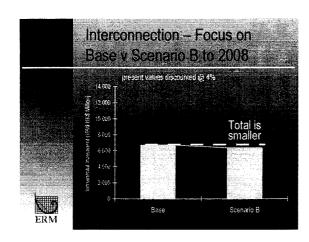


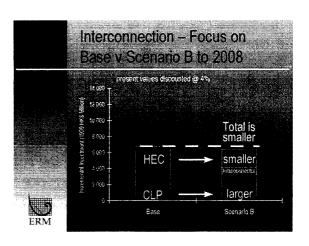
	Interconnection – Reliability
4	Reliability has many aspects
	Generation (Level I)
	overall generation adequacy (LOLP)
	operational considerations
10.250	Transmission (Level II)
	allowance for contingencies
	transient stability
ummun	dynamic stability (LFO)
ERM	Distribution (Level III)

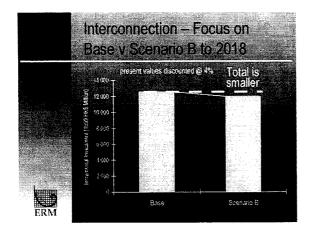


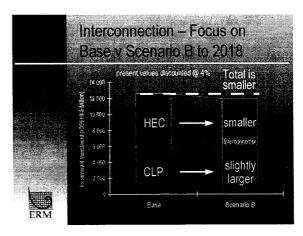


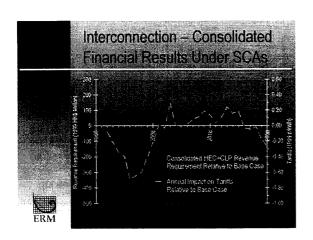


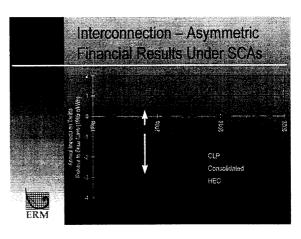




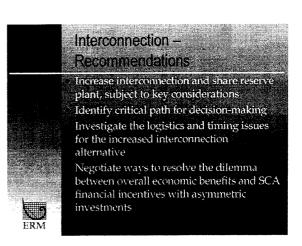


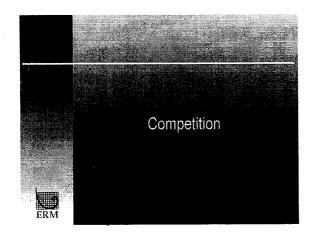


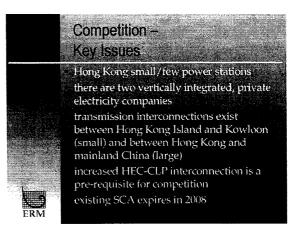




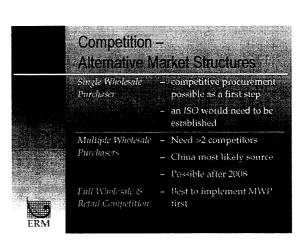
	Interconnection – Conclusions
ERM	Critical decision point for additional capacity to meet HEC peak ~ 2004 two broad alternatives: increase generation capacity at HEC; or increase interconnection and sharing of reserve plant resources timelines and logistics for planning, approval, design and construction need to be assessed, risk minimised











Competition – Market Structure and Transition Paths
Best to introduce competition from the top down – from wholesale end
Single Wholesale Purchaser promising as a first step, followed by Multiple Wholesale Purchasers
True wholesale competition requires a larger market with a bigger pool of competing generators

