



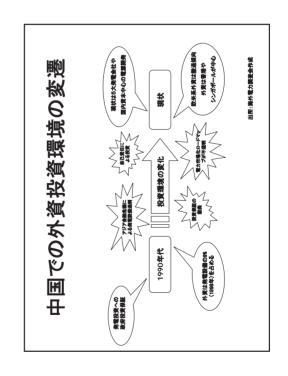
(社)海外電力調査会

古市 正敏











日中韓の電力統計

(2004年版)

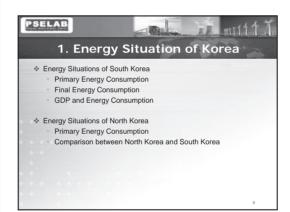
			ı		ı		(200	4年級)
項目			日本		中国		韓国	
	人口 (100万人)		127.6		1,299.9		48.1	
般	面積 (千km²)		377.9		9,600		99.6	
	GDP (米10億ドル)		4,664		1,932		680.1	
	人口一人当りのGDP(米ドル/人)		36,542		1,490		14,143	
	対前年実質GDP成長率 (%)		2.6		10.1		4.6	
電気事業	電化率 (%)*1		100		98		100	
	主な電気事業者		10電力,電発,原電		国家電網,5大発電等		KEPCO,発電子会社等	
	主な電気事業者の従業員数(人)		136,270		N.A.		18,081	
	発電設備容量 ^{※2} 水力		45,191 19.3%		105,242 23.8%		3,879 6.5%	
発電設備	[既 設]	火力	140,742	60.3%	329,483	74.5%	39,258	65.5%
	(MW,%)	原子力	47,122	20.2%	h	1.5%		27.9%
	(NIVV,70)	原丁刀 その他 ^{※3}	501	0.2%	6,836 820	0.2%	16,716	21.970
							108	100%
	1 ロール 単版の整要な	計 計 (101/71)	233,556	100%	442,387	100%	59,961	100%
	人口一人当りの発電容量(kW/人) 石炭火力発電所の発電端熱効率(%)		1.83 40.28		0.34		1.25 39.3	
	-				2020			
	発電設備容量	年	2014	10.10			2017	E 10/
	[将 来]	水力	47,670	18.1%	N.A.	N.A.	6,290	7.1%
	(MW,%)	火力	153,270	58.3%	N.A.	N.A.	48,699	55.3%
		原子力	61,490	23.4%	N.A.	N.A.	26,637	30.3%
		その他 ^{※3}	520	0.2%	N.A.	N.A.	6,412	
		計	262,940	100%	950,000	100%	88,038	93%
需給	発電電力量 ※4	水力	95,508	10.1%	330,990	15.1%	5,861	1.7%
	(GWh,%)	火力	565,666	59.7%	1,810,380	82.5%	204,777	59.9%
		原子力	282,442	29.8%	50,469	2.3%	130,715	38.3%
		その他 ^{※3}	3,140	0.3%	2,513	0.1%	350	
		計	946,756	100%	2,194,352	100%	341,703	100%
	販売電力量	家庭用	272,547	31.5%	245,590	11.3%	48,615	15.6%
	(GWh,%)	商業用	125,036	14.4%	73,426	3.4%	92,726	29.7%
		工業用	455,042	52.6%	1,605,265	73.8%	150,557	48.2%
		その他	12,803	1.5%	251,849	11.6%	20,198	6.5%
		計	865,428	100%	2,176,130	100%	312,096	100%
	人口一人当たりの販売電力量(kWh/人		6,780		1,67	4	6,490	
	最大電力 (MW) **5		171,823		285,120		51,264	
	最大電力対前年増加率 (%)		4.8		15.4		7.6	
	国際融通	輸出	-		N.A.		_	
	電力量 ※6	輸入	-		N.A.		=	
	(GWh)	融通差引	_		N.A.		=	
流通設備	送電線亘長	200kV以上	17,756 76,368		220,723		8,564	
	(km)	200kV未満			248,445		19,845	
	60kV級以上	計	94,124		469,168		28,409	
	配電線亘長	中圧	714,173		N.A.		186,502	
	(km)	低圧	554,824		N.A.		193,862	
	30kV級以下	計	1,268,997		N.A.		380,364	
	送配電損失率 (%)*7		5.2		7.7		4.5	
供給信頼度【停電時間(分/需要家)**8】 従業員一人当たりの販売電力量(MWh/人)			1.		949		17.5	
			6,351		N.A.		17,261	
	総合販売単価 (現地通貨/kWh) **9		17.1		0.47		74.6	
料	総合販冗早価 (現地運賃/kWh) ************************************		1.04		0.47			
金	為替レート(現地通貨/U.S.¢)*10 総合販売単価 (U.S.¢/kWh)		1.04		0.08 5.67		10.35	
	総百败冗早個 (U.S. \$ / KWh)		10.5		5.07		7.20	

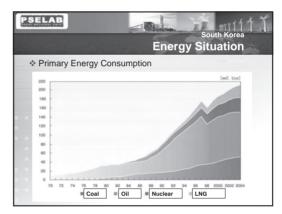
- (注) 日 本:[電気事業便覧(平成17年版)],日本電気協会 [電源開発の概要 H17][電気保安統計 H15] ,METI 韓 国:[経営統計 2004],KEPCO [電気年鑑 2006], KEA 中 国:[中国電力年鑑2005][Electric Power Industry in China2005][中国電力企業連合会HP]等

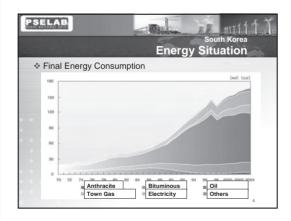
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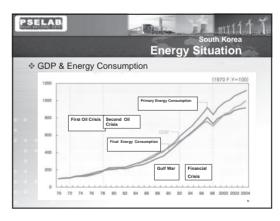


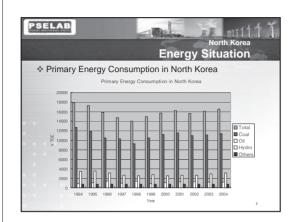


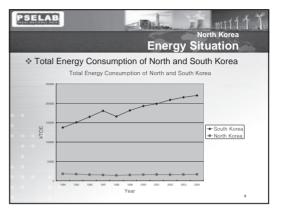


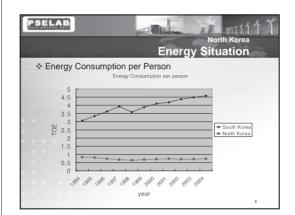






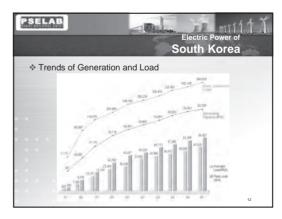


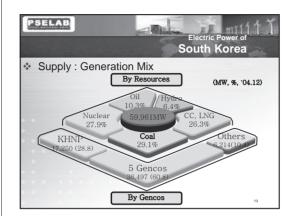




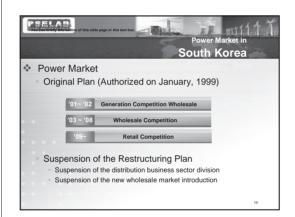


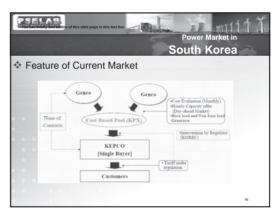




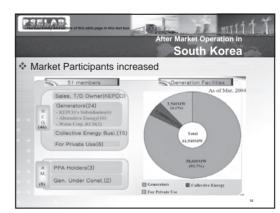


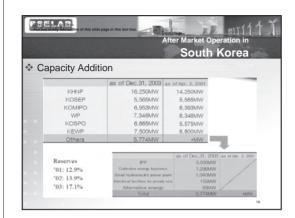


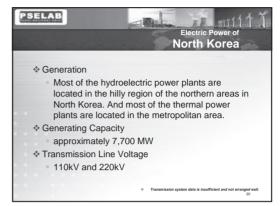


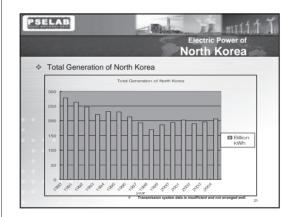


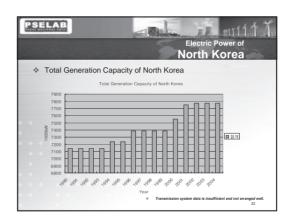


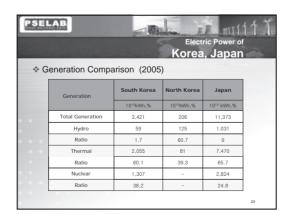




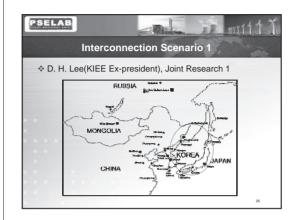


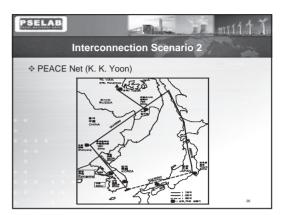




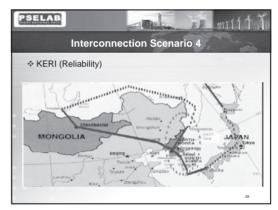






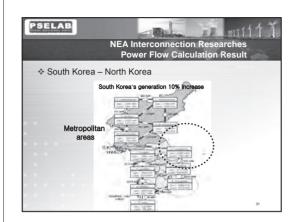


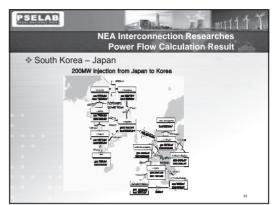


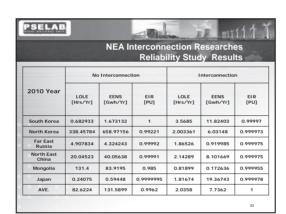


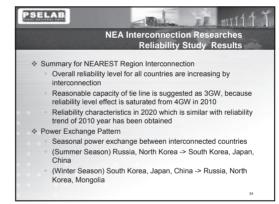








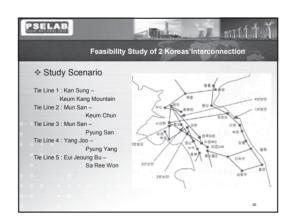


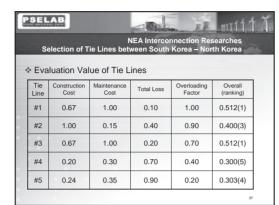


NEA Interconnection Researches Economical Feasibility Results

* Interconnection Reduces Total Generation Capacity
-Restraining Excessive Capacity Expansion in South
&North Korea
-Increasing Capacity Utilization of Generators
* Bulk Power Flow from Russia to North Korea to South
Korea
* Interconnection Increases Total Generation
-Caused by T/L Loss
-Especially, Generationat RFE drastically Increases

Interconnection : Economical







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