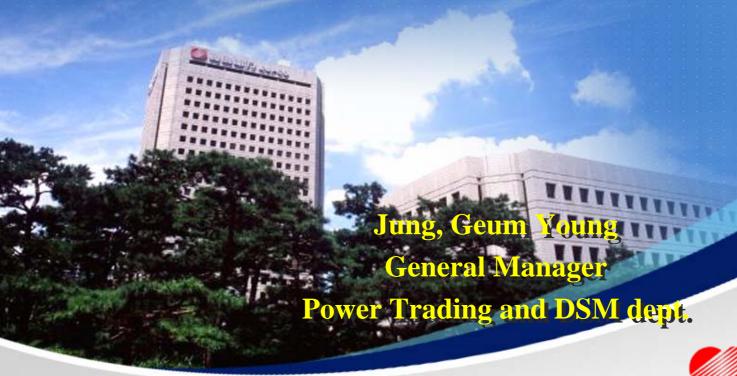
Demand–Side Management of KEPCO



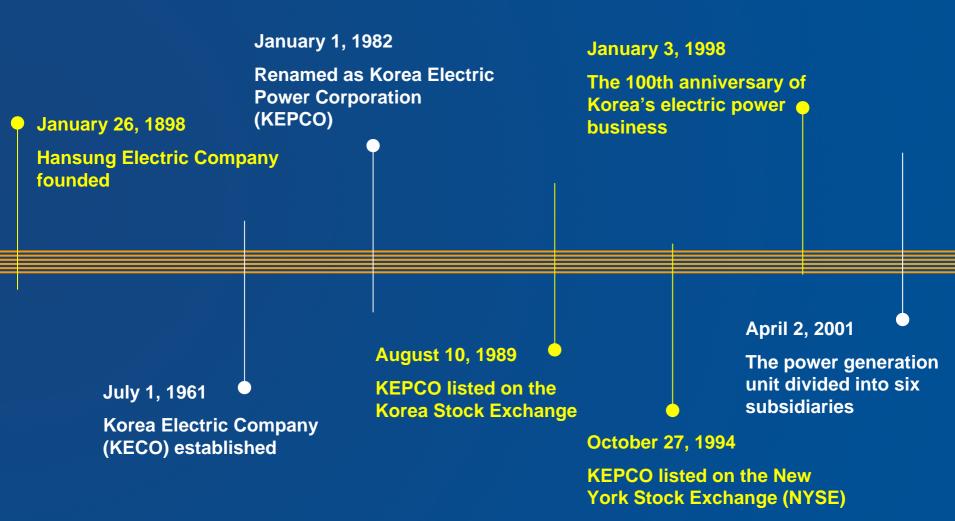


Contents

- KEPCO Overview
- 🔟 Power Supply & Demand
- Outline of KEPCO's DSM
- Solid Performance

I. KEPCO Overview

1. History



I. KEPCO Overview (continued)

2. Overview



Government - Invested Company

Assets

Offices

Affiliated Companies

Employees

\$73.8 billion (USD)

254 (Head, Primary, Secondary Offices)

17 (Including 6 Generating Companies)

20,209

KEPCO

96%*



Generation (6 Subsidiaries)

100%



Transmission

100%

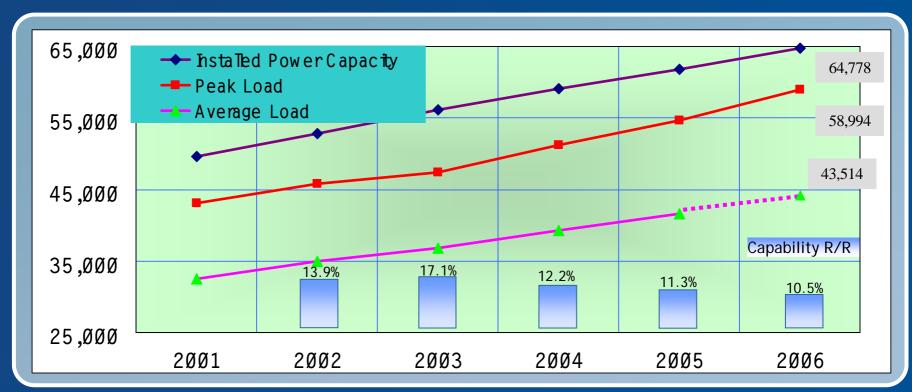


Distribution

II. Power Supply & Demand

1. Load Curve ('01 ~ '06)

(Unit: MW)



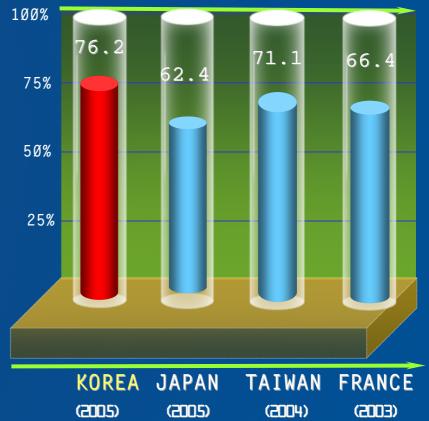
Peak Load expected to increase 1.8% annually until 2020 Power Sales expected to increase 2.5% annually until 2020



II. Power Supply & Demand (continued)

2. Load Factor



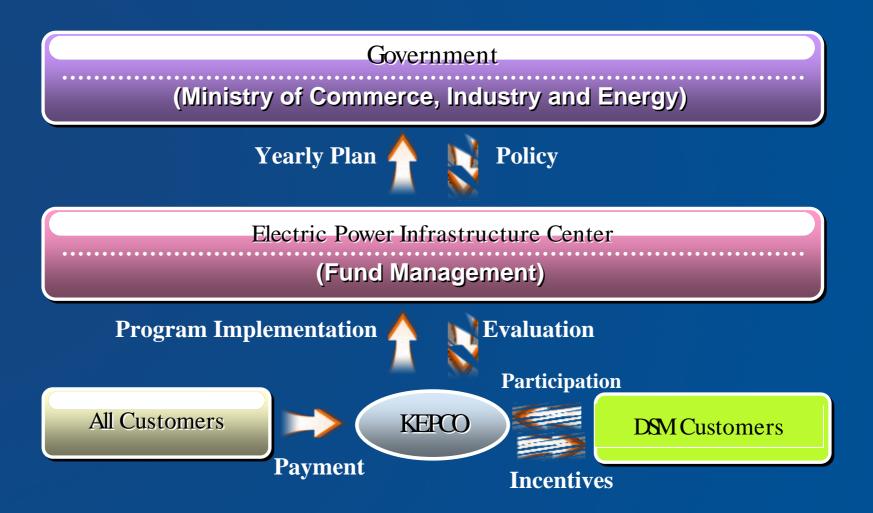


- Maintained high load factor over 70% through various D



III. Outlines of KEPCO's DSM

1. Structure of DSM Implementation



2. Categories of DSM Programs

Load Management Programs

Energy Efficiency Programs



Load Reduction

Load Shift

Valley Filling

Efficient use of Power Facilities

Stable Power Supply

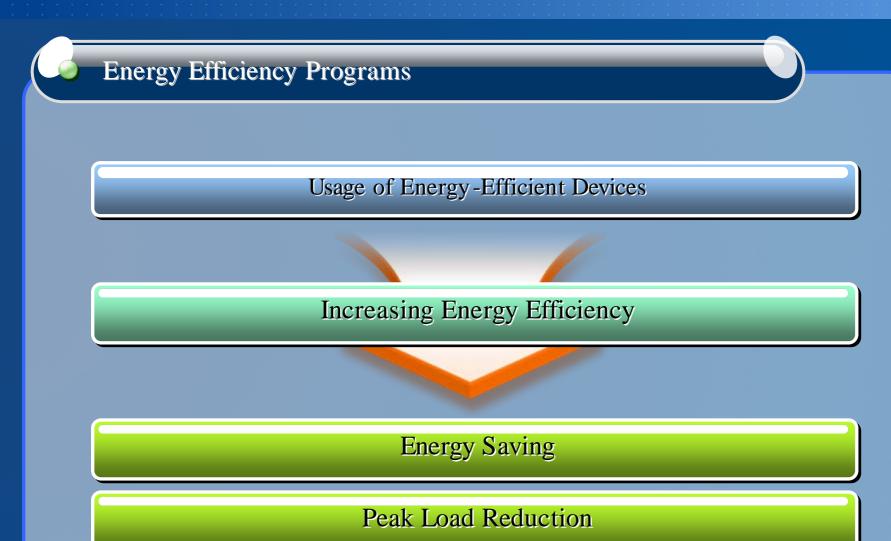
Decreased Investment for Power Facilities



Load Management Programs

- Adjusting Vacation/Maintenance Schedules
- Voluntary Load Reduction during Summer Afternoon Peak Hours
- Cool Storage System
- Remotely Controlled Air Conditioners
- Output
 TOU(Time of Use) tariffs
- Night Thermal-Storage Power Service







Energy Efficiency Programs

- Energy-Efficient Lighting · Inverters · Motors · Transformers
- Smart Vending Machines

- Progressive Rate System
- Energy Welfare Program
- Energy Saving Campaign



IV. Solid Performance of KEPCO's DSM

Results of DSM Program

Programs	Results in 2006		Accumulated	
	MW	Peak Clipping	MW	Peak Clipping
*Adjusting Vacation/Maintenance	2,054	1,608	2,054	1,608
Schedules *Voluntary Electricity	1,564	995	1,564	995
Conservation *Cool Storage System	77	58	650	200
*Remotely Controlled Air	36	16	151	398
Conditioner *Energy-Efficient Lighting	64	61	7Ø6	6Ø
*Inverters for Improving	80	53	179	
Motor Efficiency	11	8	19	694
*Others	3,886	2,799		

IV. Solid Performance of KEPCO's DSM

World Best Accomplishments

Load Factor

- ➤ World's highest level 76.2% (2005)
 - Improved 3.9% by DSM

Peak Reduction

- > 2,370MW(2004)
- > 2,971MW(2005)
- > 2,799MW(2006)

Diversity
Of DSM
Programs

- ➤ 15 DSM programs
- ➤ Introduced 2 new programs in 2006
- ➤ Various R&D activities

Customer Satisfaction

- ➤ The Winner of PLMA Demand Response Awards (2006)
- > 8 consecutive yr #1 in customer satisfaction survey

