Appendix

 $\label{eq:table_interpolation} TABLE\,I$ The Price Elasticity Matrix of LCDR for Electric Power Subsystem

	Paramet	er		Value
nstalled capacity	CHP(k'	CHP(kW)		300
	GT(kW	7)	400	
	GB(kW	7)		
	P2G(kV			100
	WT(kW	V)		500
	PV(kW	7)		400
		200		
	500			
	0.9			
Carbo	a=1,b=0.04,c=0.001			
C	36			
Power	0.2			
I	0.3			
	0.5			
La	1500			
	20000			
	0.5			
Carbo	0.35			
The operat	0.08			
The opera	0.05			
The opera	0.05			
7	0.2			
ו	0.05			
		TABLE II		
Тне Р	RICE ELASTICITY MA	ATRIX OF LCDR FOR ELEC	TRIC POWER SUBSY	/STEM
Electricity price period	Peak	Flat	Valley	Price
		riai	v ancy	$(Y/KW \cdot h)$
Peak	-0.15	0.04	0.08	0.92
Flat	0.04	-0.15	0.1	0.65
Valley	0.08	0.1	-0.15	0.35

 $\label{table} TABLE\:III$ The Price Elasticity Matrix of LCDR for Natural Gas Subsystem

	Peak		Valley	Price	
Gas price period		Flat		(¥/m³)	
Peak	-0.25	0.08	0.1	3.05	
Flat	0.08	-0.25	0.2	2.42	
Valley	0.1	0.2	-0.25	2.04	
		TABLE IV			
	THE PRICE	E-BASED DEMAND RESPON	SE PERIOD		
	Electric pov	wer subsystem	Natural gas subsystem		
Valley	23:00)-07:00	23:00-24:00		
Flat	11:00)-19:00	05:00-11:00		
Peak	07:00	07:00-11:00		12:00-19:00	
		TABLE V			
	THE PROPORTION O	F EACH UNIT IN ELECTRIC	POWER SUBSYSTEM		
		Thermal power units	Renewable energy generation		
Low carbon emission periods		0.3	0.7		
Medium carbon emission periods		0.5	0.5		
High carbon emission po	eriods	0.8		0.2	
		TABLE VI			
	THE PROPORTION OF	EACH GAS LOAD IN NATU	RAL GAS SUBSYSTEM		
		Industrial gas	Residential gas		
Low carbon emission periods		0.6		0.4	
High carbon emission periods		0.7		0.3	