

3. Xingtai city	0	0	0
Xingtai county	237560	215963	453523
Lincheng county	99918	90835	190753
Xinhe county	90290	75241	165531
Guangzong county	143742	123916	267658
Xiahe county	252906	218022	470928
4. Baoding city			
Dingzhou county	671693	444469	1116162
Laiyuan county	134479	128076	262555
Shunping county	146508	146508	293015
Tang county	380661	139882	520543
Fuping county	107476	97706	205182
total population	4851208	4706976	9558184

## 2.3 Closure of Thermal Power Generation Units

### 2.3.1 Impacts and Mitigation Measures

The status of the personnel working for the to-be-closed Units is shown in Table 2-38.

**Table 2-38 The Statistics of the Retired Unit Staff**

Name	Unit	Total Number of Staff
Shijiazhuang Thermal power plant	#1	728
	#3	
	#4	
	#5	
	#6	
	#7	
	#8	
	#9	
	#10	
	Xingtai power plant	
#2		
#3		
Handan Thermal power plant	#3	326
	#7	
Baoding Thermal power plant	#8	594
	#1	
	#2	
150 Power Plant	#3	204
	#4	
Total	#5	2283
	20	

After the closure of the small units, there will be 2283 personnel who should be resettled in the 5 plants. Some of them will choose their job again. HEPC and the power plants have three options to arrange the personnel:

- 392 persons will be arranged to the newly built or rebuilt units with the position they are familiar with after 1 month training.
- 1536 persons will be trained for 6 months training and sent to the new position for the newly built or rebuilt units.
- 251 persons will be trained and sent to the administrative position for the newly built plants.
- The remaining 104 persons will be trained and sent to other departments (e.g., service department).

After dismantling of the 20 units of the 5 power plants, there will be units of total capacity of 1830MW put into operation. Through training, 2203 personnel will be resettled. Some 2179 personnel will work for the newly built units or rebuilt units and adapt to the new position completely.

Through training, 104 personnel will be arranged to work at other department of the power plant, for example, the Bottled Drink Water Factory (belonging to Shijiazhuang Thermal Power Plant), Electric Equipment Factory (belonging to Baoding Thermal Power Plant), and restaurant (belonging to Shexian Power Plant). They turn from plant production department to other departments. Their income and living circumstance will not be affected.

There will be some influence on the personnel who will change to work at other department during the transferring period, but will not lead to unemployment. So it will have little influence on them or the society.

### **2.3.2 Socioeconomic Surveys**

The social economic condition of the affected areas is shown in Table 2-39. There are 2283 employees working for the 20 to-be-closed units in the 5 plants. Among them, there are 1482 personnel for operation, 550 for maintenance, 251 for administration. The status of the personnel who need redeployment is shown in Table 2-40 to Table 2-43.

The assessment personnel visited and investigated the Civil Administration Bureaus and Historical Relics Bureaus of the cities and counties where the small coal-fired units of the power plant will be closed. The results are summarized in Table 2-44.

**Table 2-39 Social Economic Situation of Areas Affected by Closure**

<b>Plant Name and City</b>	<b>Per Capita GDP in the County (yuan/person)</b>	<b>Population within 30 km Radius of Plant (x 10<sup>4</sup>)</b>	<b>Population within 30-80 km Radius of Plant (x 10<sup>4</sup>)</b>	<b>Mean Annual Growth of the Population in the County (‰)</b>
Shijiazhuang Thermal Power Plant	9753	196.7	228	3.1
Shijiazhuang City				
Xingtai Power Plant	5106.6	96.56	107	3.71
Xingtai City				
Baoding Thermal Power Plant	6077	94.2	166.65	3.21
Baoding City				
Handan Thermal Power Plant	5726	37.8	68.43	3.24
Handan City				
150 Power Plant	4885	32.55	35.3	3.2
She County				
		457.81	525.38	

**Table 2-40 Affected Employees by Occupation**

Year	Operation Personnel			Maintenance Personnel			Administrative Personnel			Total
	Male	Female	Total	Male	Female	Total	Male	Female	Total	
<35	388	126	514	106	38	144	34	16	50	708
35-45	326	202	528	120	52	172	54	28	82	782
45-50	274	134	408	138	72	210	62	32	94	712
50-55	18	8	26	11	8	19	11	4	15	60
>55	4	2	6	3	2	5	4	6	10	21
Total %	69	32	100	69	31	100	66	34	100	
Total	1010	472	1482	378	172	550	165	86	251	2283

**Table 2-41 Salary and Seniority of Affected Employees**

Years	Operation Personnel			Maintenance Personnel			Administrative Personnel			Total
	No.	Salary	S.S.	No.	Salary	S.S.	No.	Salary	S.S.	
5-10	244	9580	575	67	9000	540	16	11000	660	327
10-15	270	9800	588	77	9500	570	34	11200	672	381
15-20	284	10000	600	92	9800	588	31	11800	708	407
20-25	244	10500	630	80	10200	612	51	12000	720	375
25-30	408	10800	648	210	10400	624	94	12500	750	712
30-35	26	11000	660	19	10800	648	15	13000	780	60
>35	6	11600	696	5	11000	660	10	14000	840	21
Total	1482	73280	4397	550	70700	4242	251	85500	5130	2283

**Table 2-42 Age and Educational Background of Affected Employees**

Educational Background	<35	35-45	45-50	50-55	>55	Total
<b>a. Operational Personnel</b>						
Primary Education	0	0	0	0	1	1
Technical/Vocational	145	136	85	5	2	373
High School	55	72	95	8	1	231
University	314	320	228	13	2	877
<b>b. Maintenance Personnel</b>						
Primary Education	0	0	0	0	1	1
Technical/Vocational	33	13	20	3	1	70
High School	11	17	30	5	1	64
University	100	142	160	11	2	415
<b>c. Administrative Personnel</b>						
Primary Education	0	0	0	0	0	0
Technical/Vocational	1	2	4	0	0	7
High School	4	4	5	2	1	16
University	45	76	85	13	9	228

**Table 2-43 Employment Status of Affected Employees**

Category	Employees with Permanent Positions	Percentage (%)	Short-Term Employment	Percentage (%)
Operation Personnel	1460	99	22	1
Maintenance Personnel	480	87	70	13
Administrative Personnel	251	100	0	

	Historical Relics in 1 km Radius of Plant	Scenic Spots in 1 km Radius of Plant	Ethnic Minorities in 1 km Radius of Plant	Incidence of Respiratory Disease 30 km Radius of Plant (%)
Shijiazhuang City	No	No	No	0.3
Xingtai City	No	No	No	0.6
Handan City	No	No	No	0.4
Baoding City	No	No	No	0.5
Shexian City	No	No	No	0.4

*Note: The incidence of respiratory disease was the sampling results made by the evaluators.*