

新鋭火力発電所最近の発電原価(試算)

原子力局 31.6

項目	発電所名 金利(%)	A		B		C		D		E		F		G		H		
		5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	
可能最大出力	KW	125,000	"	175,000	"	66,000	"	156,250	"	75,000x2	"	156,250	"	75,000	"	156,250	"	
建設費	1000 ^円	7,517,000	"	10,928,000	"	5,323,000	"	10,160,000	"	12,009,000	"	10,920,000	"	6,633,000	"	8,519,000	"	
利用率	%	80	"	80	"	80	"	80	"	80	"	80	"	80	"	80	"	
年間発電量	MWh	876,000	"	1,226,000	"	463,000	"	1,095,000	"	1,050,000	"	1,095,000	"	525,000	"	1,095,000	"	
発電所効率	%	35.5	"	38.0	"	33	"	38.0	"	34.0	"	38	"	34.0	"	38	"	
燃料発熱量	kcal/kg	5,500	"	5,500	"	5,500	"	5,500	"	5,300	"	5,300	"	5,000	"	5,000	"	
燃料価格	円/t	4,655	"	4,655	"	4,760	"	4,760	"	4,305	"	4,305	"	2,820	"	2,820	"	
燃料消費率(熱効)	kg/kwh	0.440	"	0.411	"	0.474	"	0.411	"	0.477	"	0.427	"	0.506	"	0.454	"	
年間燃料消費量(熱効)	t	412,000	"	540,000	"	235,000	"	482,000	"	536,000	"	500,000	"	284,000	"	532,000	"	
電	資本費	円/kwh	0.782	1.211	0.809	1.255	1.043	1.618	0.842	1.306	1.038	1.610	0.905	1.404	1.046	1.577	0.706	1.095
	金利	"	0.429	0.858	0.447	0.893	0.575	1.150	0.465	0.929	0.573	1.145	0.499	0.998	0.632	1.263	0.390	0.779
	償却	"	0.313	"	0.321	"	0.414	"	0.354	"	0.412	"	0.359	"	0.355	"	0.280	"
	賦課税	"	0.040	"	0.041	"	0.054	"	0.043	"	0.053	"	0.047	"	0.059	"	0.036	"
原	直接費	"	0.315	"	0.299	"	0.400	"	0.305	"	0.403	"	0.318	"	0.402	"	0.233	"
	燃料手当	"	0.076	"	0.050	"	0.080	"	0.046	"	0.084	"	0.040	"	0.050	"	0.016	"
	修繕費	"	0.205	"	0.213	"	0.274	"	0.222	"	0.273	"	0.238	"	0.301	"	0.186	"
	諸費	"	0.034	"	0.036	"	0.046	"	0.037	"	0.046	"	0.040	"	0.051	"	0.031	"
原	関連費	"	0.092	0.098	0.088	0.095	0.119	0.128	0.100	0.107	0.354	0.362	0.133	0.140	0.211	0.220	0.068	0.074
	業務負担	"	0.041	"	0.040	"	0.060	"	0.050	"	0.298	"	0.084	"	0.165	"	0.033	"
	事業税	"	0.051	0.057	0.048	0.055	0.059	0.068	0.050	0.057	0.056	0.064	0.049	0.056	0.046	0.055	0.035	0.041
価	燃料費	"	2,254	"	2,069	"	2,430	"	2,136	"	2,227	"	1,994	"	1,570	"	1,387	"
	石炭費	"	2,190	"	2,045	"	2,420	"	2,096	"	2,200	"	1,970	"	1,550	"	1,370	"
	運炭価格費	"	0.044	"	0.024	"	0.010	"	0.040	"	0.027	"	0.024	"	0.020	"	0.017	"
	合計(発電端)	"	3,423	3,858	3,265	3,718	3,992	4,576	3,383	3,854	4,022	4,602	3,350	3,856	3,229	3,870	2,394	2,789
汽圧(夕七入口)	kg/cm ²	128	"	169	"	88	"	169	"	102	"	169	"	102	"	169	"	
汽温(夕七入口)	°C	538/538	"	566/538	"	510	"	566/538	"	538	"	566/538	"	538	"	566/538	"	

- 註(1) 利用率80%
 (2) 石炭炭価は最近の値段
 (3) 償却 耐用年数25年 残価触格10% Straight Method

c114-012-010

新鋭火力発電所最近の発電原価(試算)

原子力局 31.5

項目	発電所名 金利 (%)	A		B		C		D		E		F		G		H		
		5	10	5	10	5	10	5	10	5	10	5	10	5	10	5	10	
可能最大出力	KW	125,000	"	175,000	"	66,000	"	156,250	"	75,000x2	"	156,250	"	75,000	"	156,250	"	
建設費	1,000円	7517,000	"	10,928,000	"	5,323,000	"	10,160,000	"	12,009,000	"	10,920,000	"	6,633,000	"	8,519,000	"	
利用率	%	80	"	80	"	80	"	80	"	80	"	80	"	80	"	80	"	
年間発電電力	MWh	876,000	"	1,226,000	"	463,000	"	1,095,000	"	1,050,000	"	1,095,000	"	525,000	"	1,095,000	"	
発電所効率	%	35.5	"	38.0	"	33	"	38.0	"	34.0	"	38	"	34.0	"	38	"	
燃料発電量	kcal/kg	5,500	"	5,500	"	5,500	"	5,500	"	5,300	"	5,300	"	5,000	"	5,000	"	
燃料価格	円/t	4,655	"	4,655	"	4,760	"	4,760	"	4,305	"	4,305	"	2,820	"	2,820	"	
燃料消費率(総炭)	kg/kwh	0.440	"	0.411	"	0.474	"	0.411	"	0.477	"	0.427	"	0.506	"	0.454	"	
年間燃料消費量(炭)	t	412,000	"	540,000	"	235,000	"	482,000	"	536,000	"	500,000	"	284,000	"	532,000	"	
発電	資本費	円/kwh	0.782	1.211	0.809	1.255	1.043	1.618	0.842	1.306	1.638	1.610	0.905	1.404	1.046	1.577	0.706	1.095
	金利	"	0.429	0.858	0.447	0.893	0.575	1.150	0.465	0.929	0.573	1.145	0.499	0.998	0.632	1.263	0.390	0.779
	償却	"	0.313	"	0.321	"	0.414	"	0.354	"	0.412	"	0.359	"	0.355	"	0.280	"
	賦課金	"	0.040	"	0.041	"	0.054	"	0.043	"	0.053	"	0.047	"	0.059	"	0.036	"
電	直接費	"	0.315	"	0.299	"	0.400	"	0.305	"	0.403	"	0.318	"	0.402	"	0.233	"
	燃料手当	"	0.076	"	0.050	"	0.080	"	0.046	"	0.084	"	0.040	"	0.050	"	0.016	"
	修繕費	"	0.205	"	0.213	"	0.274	"	0.222	"	0.273	"	0.238	"	0.301	"	0.186	"
	諸費	"	0.034	"	0.036	"	0.046	"	0.037	"	0.046	"	0.040	"	0.051	"	0.031	"
原	関連費	"	0.092	0.098	0.088	0.095	0.119	0.128	0.100	0.107	0.354	0.362	0.133	0.140	0.211	0.220	0.068	0.074
	業務分担	"	0.041	"	0.040	"	0.060	"	0.050	"	0.298	"	0.084	"	0.165	"	0.033	"
	事業税	"	0.051	0.057	0.048	0.055	0.059	0.068	0.050	0.057	0.056	0.064	0.049	0.056	0.046	0.055	0.035	0.041
価	燃料費	"	2,234	"	2,069	"	2,430	"	2,136	"	2,227	"	1,994	"	1,570	"	1,387	"
	石灰費	"	2,190	"	2,045	"	2,420	"	2,096	"	2,200	"	1,970	"	1,550	"	1,370	"
	運炭灰格償	"	0.044	"	0.024	"	0.010	"	0.040	"	0.027	"	0.024	"	0.020	"	0.017	"
	合計(発電端)	"	3,423	3,858	3,265	3,718	3,992	4,576	3,383	3,854	4,022	4,602	3,350	3,856	3,229	3,870	2,394	2,789
汽圧(77.7x10)	kg/cm ²	128	"	169	"	88	"	169	"	102	"	169	"	102	"	169	"	
汽温(77.7x10)	°C	538/538	"	566/538	"	510	"	566/538	"	538	"	566/538	"	538	"	566/538	"	

- 註(1) 利用率 80%
 (2) 石灰炭価は最近の値
 (3) 償却 耐用年数 25年 残価率 10% Straight Method