

From: Energy Price Indices and Discount Factors for Life-Cycle Cost  
 Analysis 2021 (NISTIR 85-3273-36)

**NIST 2021 Energy Price Indices**

Fuel	Year	Normal	UPW	30-Year	UPW
Natural Gas	0	1.00		1.00	
Natural Gas	1	1.00		1.00	
Natural Gas	2	0.99		0.99	
Natural Gas	3	0.98		0.98	
Natural Gas	4	0.98		0.98	
Natural Gas	5	0.99	4.53	0.99	4.53
Natural Gas	6	1.00		1.00	
Natural Gas	7	1.01		1.01	
Natural Gas	8	1.03		1.03	
Natural Gas	9	1.05		1.05	
Natural Gas	10	1.07	8.60	1.07	8.60
Natural Gas	11	1.07		1.07	
Natural Gas	12	1.08		1.08	
Natural Gas	13	1.09		1.09	
Natural Gas	14	1.10		1.10	
Natural Gas	15	1.10	12.30	1.10	12.30
Natural Gas	16	1.10		1.10	
Natural Gas	17	1.10		1.10	
Natural Gas	18	1.11		1.11	
Natural Gas	19	1.11		1.11	
Natural Gas	20	1.11	15.55	1.11	15.55
Natural Gas	21	1.11		1.11	
Natural Gas	22	1.11		1.11	
Natural Gas	23	1.11		1.11	
Natural Gas	24	1.11	17.84	7.22	20.84
Natural Gas	25	1.12	18.37	1.12	21.37
Oil	0	1.00		1.00	
Oil	1	1.05		1.05	
Oil	2	1.14		1.14	
Oil	3	1.21		1.21	
Oil	4	1.27		1.27	
Oil	5	1.31	5.46	1.31	5.46
Oil	6	1.33		1.33	
Oil	7	1.36		1.36	
Oil	8	1.37		1.37	
Oil	9	1.39		1.39	
Oil	10	1.41	10.88	1.41	10.88
Oil	11	1.42		1.42	
Oil	12	1.43		1.43	

Oil	13	1.44		1.44	
Oil	14	1.45		1.45	
Oil	15	1.45	15.78	1.45	15.78
Oil	16	1.46		1.46	
Oil	17	1.48		1.48	
Oil	18	1.48		1.48	
Oil	19	1.50		1.50	
Oil	20	1.51	20.14	1.51	20.14
Oil	21	1.52		1.52	
Oil	22	1.53		1.53	
Oil	23	1.54		1.54	
Oil	24	1.54	23.29	9.99	27.45
Oil	25	1.55	24.03	1.55	28.19
Electricity	0	1.00		1.00	
Electricity	1	1.00		1.00	
Electricity	2	1.00		1.00	
Electricity	3	1.00		1.00	
Electricity	4	1.00		1.00	
Electricity	5	1.00	4.58	1.00	4.58
Electricity	6	1.00		1.00	
Electricity	7	1.00		1.00	
Electricity	8	1.01		1.01	
Electricity	9	1.01		1.01	
Electricity	10	1.01	8.55	1.01	8.55
Electricity	11	1.00		1.00	
Electricity	12	1.01		1.01	
Electricity	13	1.01		1.01	
Electricity	14	1.01		1.01	
Electricity	15	1.01	11.98	1.01	11.98
Electricity	16	1.00		1.00	
Electricity	17	1.00		1.00	
Electricity	18	1.00		1.00	
Electricity	19	0.99		0.99	
Electricity	20	0.99	14.91	0.99	14.91
Electricity	21	0.99		0.99	
Electricity	22	0.99		0.99	
Electricity	23	0.99		0.99	
Electricity	24	0.98	16.95	6.22	19.53
Electricity	25	0.98	17.41	0.98	19.99
Propane	0	1.00		1.00	
Propane	1	1.02		1.02	
Propane	2	1.04		1.04	
Propane	3	1.06		1.06	

Propane	4	1.09		1.09	
Propane	5	1.12	4.87	1.12	4.87
Propane	6	1.14		1.14	
Propane	7	1.17		1.17	
Propane	8	1.20		1.20	
Propane	9	1.23		1.23	
Propane	10	1.25	9.59	1.25	9.59
Propane	11	1.27		1.27	
Propane	12	1.29		1.29	
Propane	13	1.31		1.31	
Propane	14	1.32		1.32	
Propane	15	1.34	14.04	1.34	14.04
Propane	16	1.35		1.35	
Propane	17	1.37		1.37	
Propane	18	1.38		1.38	
Propane	19	1.40		1.40	
Propane	20	1.41	18.10	1.41	18.10
Propane	21	1.43		1.43	
Propane	22	1.44		1.44	
Propane	23	1.45		1.45	
Propane	24	1.46	21.07	9.54	25.06
Propane	25	1.47	21.77	1.47	25.76
Wood	0	1.00		1.00	
Wood	1	1.00		1.00	
Wood	2	1.00		1.00	
Wood	3	1.00		1.00	
Wood	4	1.00		1.00	
Wood	5	1.00		1.00	
Wood	6	1.00		1.00	
Wood	7	1.00		1.00	
Wood	8	1.00		1.00	
Wood	9	1.00		1.00	
Wood	10	1.00	8.53	1.00	8.53
Wood	11	1.00		1.00	
Wood	12	1.00		1.00	
Wood	13	1.00		1.00	
Wood	14	1.00		1.00	
Wood	15	1.00		1.00	
Wood	16	1.00		1.00	
Wood	17	1.00		1.00	
Wood	18	1.00		1.00	
Wood	19	1.00		1.00	
Wood	20	1.00	14.88	1.00	14.88

Wood	21	1.00		1.00	
Wood	22	1.00		1.00	
Wood	23	1.00		1.00	
Wood	24	1.00	16.94	6.41	19.60
Wood	25	1.00	17.41	1.00	20.07
Coal	0	1.00		1.00	
Coal	1	1.02		1.02	
Coal	2	1.02		1.02	
Coal	3	1.02		1.02	
Coal	4	1.02		1.02	
Coal	5	1.02	4.67	1.02	4.67
Coal	6	1.02		1.02	
Coal	7	1.02		1.02	
Coal	8	1.02		1.02	
Coal	9	1.02		1.02	
Coal	10	1.02	8.69	1.02	8.69
Coal	11	1.01		1.01	
Coal	12	1.01		1.01	
Coal	13	1.01		1.01	
Coal	14	1.02		1.02	
Coal	15	1.02	12.15	1.02	12.15
Coal	16	1.02		1.02	
Coal	17	1.02		1.02	
Coal	18	1.02		1.02	
Coal	19	1.03		1.03	
Coal	20	1.03	15.16	1.03	15.16
Coal	21	1.03		1.03	
Coal	22	1.03		1.03	
Coal	23	1.03		1.03	
Coal	24	1.03	17.28	6.67	20.05
Coal	25	1.03	17.77	1.03	20.54
Kerosene	0	1.00		1.00	
Kerosene	1	1.05		1.05	
Kerosene	2	1.14		1.14	
Kerosene	3	1.21		1.21	
Kerosene	4	1.27		1.27	
Kerosene	5	1.31	5.46	1.31	5.46
Kerosene	6	1.33		1.33	
Kerosene	7	1.36		1.36	
Kerosene	8	1.37		1.37	
Kerosene	9	1.39		1.39	
Kerosene	10	1.41	10.88	1.41	10.88
Kerosene	11	1.42		1.42	

Kerosene	12	1.43		1.43	
Kerosene	13	1.44		1.44	
Kerosene	14	1.45		1.45	
Kerosene	15	1.45	15.78	1.45	15.78
Kerosene	16	1.46		1.46	
Kerosene	17	1.48		1.48	
Kerosene	18	1.48		1.48	
Kerosene	19	1.50		1.50	
Kerosene	20	1.51	20.14	1.51	20.14
Kerosene	21	1.52		1.52	
Kerosene	22	1.53		1.53	
Kerosene	23	1.54		1.54	
Kerosene	24	1.54	23.29	9.99	27.45
Kerosene	25	1.55	24.03	1.55	28.19
Other	0	1.00		1.00	
Other	1	1.00		1.00	
Other	2	1.00		1.00	
Other	3	1.00		1.00	
Other	4	1.00		1.00	
Other	5	1.00	4.58	1.00	4.58
Other	6	1.00		1.00	
Other	7	1.00		1.00	
Other	8	1.00		1.00	
Other	9	1.00		1.00	
Other	10	1.00	8.53	1.00	8.53
Other	11	1.00		1.00	
Other	12	1.00		1.00	
Other	13	1.00		1.00	
Other	14	1.00		1.00	
Other	15	1.00	11.94	1.00	11.94
Other	16	1.00		1.00	
Other	17	1.00		1.00	
Other	18	1.00		1.00	
Other	19	1.00		1.00	
Other	20	1.00	14.88	1.00	14.88
Other	21	1.00		1.00	
Other	22	1.00		1.00	
Other	23	1.00		1.00	
Other	24	1.00	16.94	6.41	19.60
Other	25	1.00	17.41	1.00	20.07