

SAMPLE CHILLER BID FORM

a	b	c	d	e	f	g=c*d*e*f	h	i=g+h
Chiller Option	kW/ton Full Load	kW/ton NPLV	Electricity Cost (\$/kWh)	Annual Cooling Load (ton-hrs)	Payback Period (yrs)	Energy Cost (\$)	Increase or (Decrease) in Cost rela- tive Base Bid (\$)	Comparative Cost (\$)
Base	0.69	0.47	\$0.056	8638644	4	\$909,476	\$0	\$909,476
1	0.68	0.57	\$0.056	8638644	4	\$1,102,982	-\$95,121	\$1,007,861
2	0.67	-	\$0.056	8638644	4	-	-	-
3	0.66	-	\$0.056	8638644	4	-	-	-
4	0.65	-	\$0.056	8638644	4	-	-	-
5	0.64	-	\$0.056	8638644	4	-	-	-
6	0.63	-	\$0.056	8638644	4	-	-	-
7	0.62	0.40	\$0.056	8638644	4	\$774,023	-\$14,752	\$759,271
8	0.61	0.40	\$0.056	8638644	4	\$774,023	-\$10,874	\$763,149
9	0.60	0.39	\$0.056	8638644	4	\$754,672	\$3,236	\$757,908
10	0.59	0.59	\$0.056	8638644	4	\$1,141,683	-\$79,096	\$1,062,587
11	0.58	0.48	\$0.056	8638644	4	\$928,827	-\$64,108	\$864,719
12	0.57	-	\$0.056	8638644	4	-	-	-
13	0.56	-	\$0.056	8638644	4	-	-	-
14	0.55	-	\$0.056	8638644	4	-	-	-

Blue is the base bid.

Yellow Blocks To be filled in by Chiller Manufacturer. ("- " means no bid)

Green is the selected alternative.

Where:

$$\text{NPLV} = 1 / ((0.22/A) + (0.48/B) + (0.19/C) + (0.11/D))$$

and:

A= kW/ton @ 100% Load and 86F ECWT (Entering Condenser Water Temperature)

B= kW/ton @ 75% Load and 75.5F ECWT

C= kW/ton @ 50% Load and 65F ECWT

D= kW/ton @ 25% Load and 65F ECWT