date	temp	kWatts	conditions
	48	83	
	53	78	
	40	81	
	22	128	
	18	140	
	13	150	
	23	148	
	22	138	
	24	145	
	42	113	
	34	92	
	58	62	
	55	59	
	56	51	
	44	76	
	60	56	
	57	66	
	56	46	
	60	49	
	51	82	
19-Dec	59	69	
20-Dec	32	100	
21-Dec	29	127	cloudy
22-Dec	24	134	cloudy
23-Dec	21	140	cloudy
24-Dec	39	151	p cloudy and lots of cooking
25-Dec	32	128	sunny and lots of cooking
26-Dec	40	108	sunny
27-Dec	45	92	sunny
28-Dec	47	80	sunny
29-Dec	29	120	sunny
30-Dec	25	123	sunny
31-Dec	41	123	heating up guest house
1-Jan	37	101	cloudy
2-Jan	24	126	sunny
3-Jan	35	122	sunny
4-Jan	?45	?80	sunny

65	50	
48	83	
53	78	
40	81	
22	128	
18	140	
13	150	
23	148	
22	138	
24	145	
42	113	
34	92	
58	62	
55	59	
56	51	
44	76	
60	56	
57	66	
56	46	
60	49	
51	82	
59	69	
32	100	
29	127	cloudy
24	134	cloudy
21	140	cloudy
40	108	sunny
45	92	sunny
47	80	sunny
29	120	sunny
25	123	sunny
37	101	cloudy
24	126	sunny
?37	?100	sunny
?45	?80	sunny

Daily kWhrs (y-axis)

Average Daily Temp (x-axis)
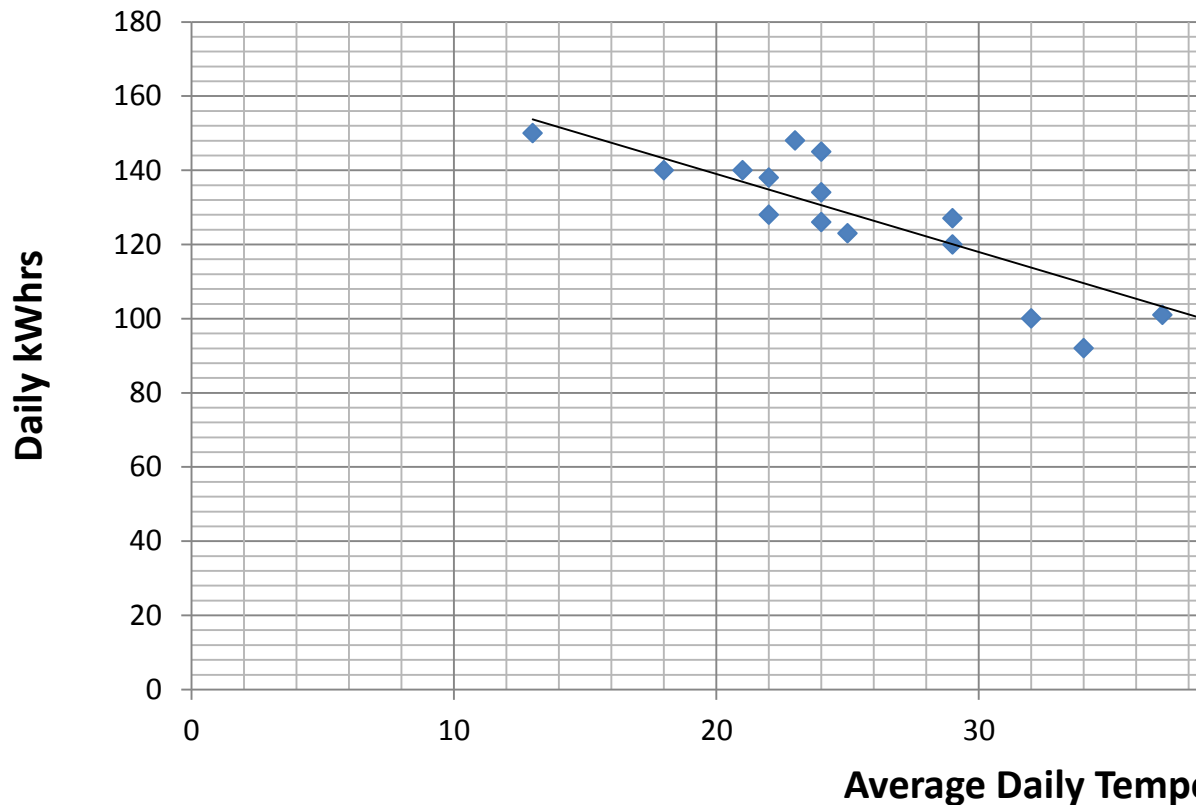
total useage analysis:
    OKC historical average winter temp 48.6 (16.4 degree days using bas
    3,663 DD/winter season divided by 16.4 DD = 224 days /winter seaso
    average temp of 48.6 F = 76 kWhrs per day (from graph)
    76 kWhrs/day x 224 days/winter season = 17,024 kWhrs/winter seas
    17,024 kWhrs x $0.0726/kWhr = $1,236 for winter season
    $1,236/224 days = $5.52/day

basal and heating costs analysis:
    assume daily electricity basal use (non heating) = 50 kWhrs/day (fron
    50 kWhrs/day x 224 days = 11,200 kWhrs
    total minus basal = 17,024 - 11,200 = 5,824 kWhrs for just heating (k
    5,824 kWhrs x $0.0726/kWhr = $423 for heat/winter season
    $423/224 days = $1.89 per day for heating over entire winter season

40   **50**   **60**   **70**

erature (F)
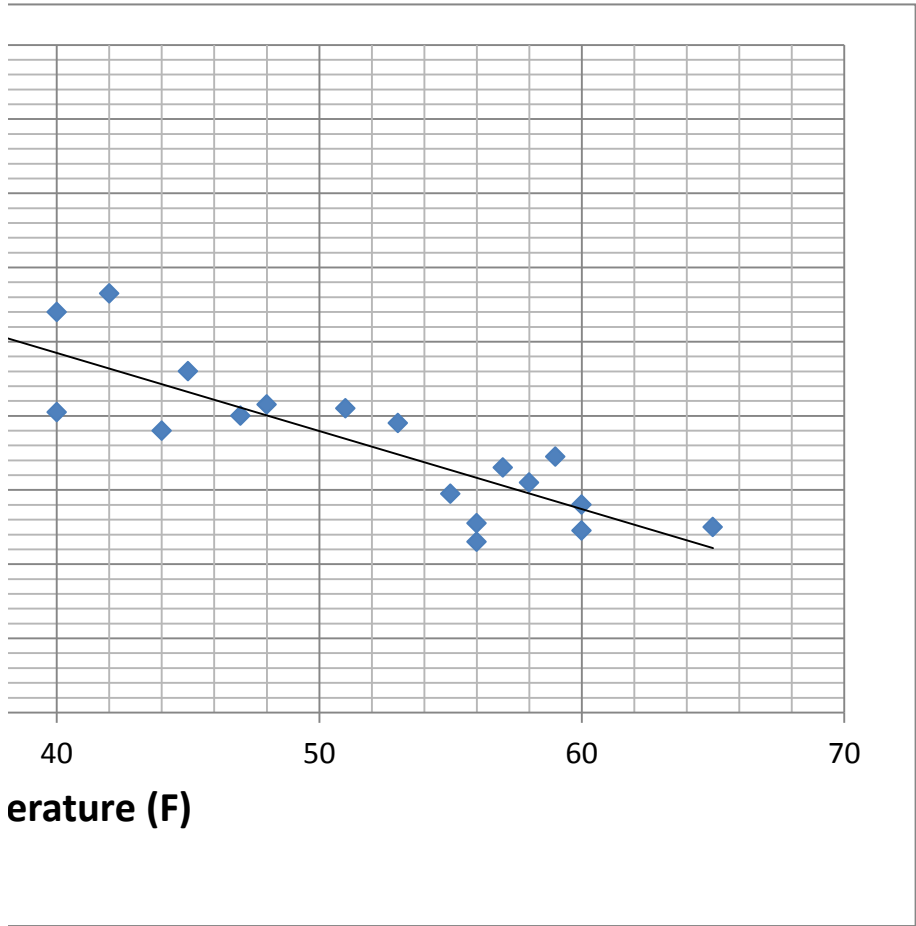
e 65 F) and 3,663 degree days (DD)
on

on

n graph at 65 degrees F)

Whrs above basal)