

**\*BILLING INQUIRY APPLIANCE INFORMATION\***

KWH CONVERSION		Horsepower to Kwh Conversion				
Amps X Volts=Watts		HP	1/4	1/3	1/2	1
Watts X Hours Used=Watts Hrs.		Watt	250	333	500	1000
Watts Hours/1000=Kilwatts		12,000 BTU'S=1 TON		(SIZING RULE OF THUMB) = 1 TON FOR		
Kwh X (Current Rate)=Hourly Cost		1 TON=1.5K		EVERY 500 SQ.FT. OF CONDITIONED SPACE		
LOAD INFORMATION						
<u>AIR CONDITIONING</u> 1500 WATTS PER TON WALL UNITS USUALLY 1-1/2 TON RESIDENTIAL 500 SQFT PER TON COMMERCIAL 400 SQFT PER TON		<u>HEATERS</u> BATHROOM=1500 WATTS THERMADOR=2500 WATTS PORTABLE=800-1500WATTS		<u>HEAT PUMPS</u> SIZED BY TONS 1.5 IS SMALLEST UNIT 1 TON PER 400-500 SQFT CONVERT TO KW: TONS X 1.5		<u>RADIANT CEILING</u> (RULE OF THUMB) 9 WATTS PER SQFT USUALLY 3000 WATTS PER LIVING ROOM
<u>FURNACES</u> FAN BLOWERS 300-350 WATTS	<u>FANS-CEILING/PORTABLE</u> APPROX. 300 WATTS WHOLE HOUSE FANS=1/3 HP		<u>COMPUTERS</u> MONITOR=150 WATTS TOWER=300-500 WATTS		<u>SWAMP COOLERS</u> EVAPORATIVE COOLER 250-500 WATTS	
HOUSE APPLIANCES						
<u>WATERBEDS</u> 400 WATT HEATER	<u>POOL PUMPS/JACUZZI</u>				<u>ELECTRIC WATER HEATER</u> 3000-4500 WATTS	
	HP	1	1.5	2		
<u>FISH TANK PUMP</u> MAGNUM 330 PUMP= 99.6 WATTS	WATTS	1000	1500	2000	ELECTRIC BLANKET: 150 WATTS	
	<u>POOL LIGHTS</u> 300-600 WATTS (FLUORESCENT)				FOUNTAIN PUMPS: 500-1500 WATTS	
					KILNS: 6000-9000 WATTS	
<u>STOVE/RANGE</u> SMALL BURNER UNIT=800-1200 WATTS LARGE BURNER UNIT=2000 WATTS		<u>DISHWASHER</u> 1000 WATTS=0.5 KWH'S PER LOAD		<u>WASHER</u> APPROX 300- 500 WATTS	<u>ELECTRIC DRYER</u> 5000 WATTS 5 KWH PER LOAD	
<u>REFRIGERATORS/FREEZER</u> 5-15 KWH'S PER DAY <u>LUXURY/SUBZERO</u> 15-20 KWH PER DAY		<u>TELEVISIONS</u> LED: 180-250 watts LCD: 300-600 watts SURROUND SOUND: 800-1000 WATTS		<u>GAMING CONSOLES</u> PS3: 250-400 WATTS XBOX:215-350 WATTS		<u>COFFEE MAKERS</u> 600-900 WATTS DVD PLAYER:50-100 WATTS CABLE BOX:35-60WATTS
LIGHTING						
<u>FLOURESCENT LIGHTS</u>		<u>GOLF CART CHARGER</u> APPOX 1400 WATTS	<u>POPULAR CHRISTMAS LIGHTS</u>	<u>LIGHTS PER STRING</u>	<u>WATTS</u>	<u>MAX STRINGS CONNECTED</u>
24"=20WATTS	12"=8WATTS	<u>SECURITY LIGHTS</u> QUARTZ FLOOD: 350 WATTS SENSOR:75-150 WATTS Malibu:250-1000 WATTS	<u>INCANDESCENT MINI</u>	100	50	5
30"=25WATTS	15"=14WATTS		<u>INCANDESCENT C9</u>	100	700	1
36"=30WATTS	18"=15WATTS		<u>LED MINI</u>	70	5	43
48"=40WATTS			<u>LED C9</u>	33	32	15
HELPFUL CONTACT INFORMATION						
English BI Gate:7620/Spanish BI Gate 7621						
HEAP(Home Energy Assistance Program) 1-866-675-6623						
EE/Weatherization(Energy Savings Assistance Program) 1-800-736-4777						
CARE/FERA IQP Recertification 1-800-798-5723						
Energy Saving Tips: www.Energy.Gov						