

After Hour Usage Reports

Many building managers pay for their tenants After Hour HVAC energy usage because they have no simple tool that monitors exactly when tenants are using their HVAC.

Pelican's provides its customers with a simple spreadsheet that lays out exactly how much each tenant is consuming in kWh and Therms after normal business hours. This way the management company can bill back their tenants for any energy usage not normally covered under their standard tenant contract.

Example Pelican After Hour Usage Report

Cost/Kwh	\$0.11								
Cost/Therm	\$0.93								
Location	Date	Time Range	Type	Minutes	Power	Units	Cost	Hourly Rate	Charge
Suite 117	1/15/2014	6:01 PM - 12:00 AM	Unscheduled	359	1.6	Kwh	\$0.18	\$10.00	\$59.83
Occupied: Mon-Fri 7:00 AM - 6:00 PM	1/16/2014	12:00 AM - 7:00 AM	Unscheduled	420	2.4	Kwh	\$0.27	\$10.00	\$70.00
	1/24/2014	6:01 PM - 12:00 AM	Unscheduled	359	1.4	Kwh	\$0.16	\$10.00	\$59.83
	1/25/2014	12:00 AM - 12:00 AM	Unscheduled	1440	5	Kwh	\$0.56	\$10.00	\$240.00
	1/26/2014	12:00 AM - 12:00 AM	Unscheduled	1440	4.5	Kwh	\$0.50	\$10.00	\$240.00
	1/27/2014	12:00 AM - 12:00 AM	Unscheduled	420	1.7	Kwh	\$0.19	\$10.00	\$70.00
	1/27/2014	6:01 PM - 12:00 AM	Unscheduled	359	0.8	Kwh	\$0.09	\$10.00	\$59.83
	1/28/2014	12:00 AM - 7:00 AM	Unscheduled	420	1.2	Kwh	\$0.13	\$10.00	\$70.00
	1/28/2014	6:01 PM - 12:00 AM	Unscheduled	359	0.5	Therms	\$0.46	\$10.00	\$59.83
	1/29/2014	12:00 AM - 7:00 AM	Unscheduled	420	0.9	Therms	\$0.84	\$10.00	\$70.00
	1/29/2014	6:01 PM - 12:00 AM	Unscheduled	359	0.7	Kwh	\$0.08	\$10.00	\$59.83
	1/30/2014	12:00 AM - 7:00 AM	Unscheduled	420	1.1	Kwh	\$0.12	\$10.00	\$70.00
	1/30/2014	6:01 PM - 12:00 AM	Unscheduled	359	0.9	Kwh	\$0.10	\$10.00	\$59.83
	1/31/2014	12:00 AM - 7:00 AM	Unscheduled	420	1.4	Kwh	\$0.16	\$10.00	\$70.00
	1/31/2014	6:01 PM - 12:00 AM	Unscheduled	359	1.1	Kwh	\$0.12	\$10.00	\$59.83
Total				7913			\$3.94		\$1318.83
Suite 119	1/22/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
Occupied: Mon-Fri 7:00 AM - 6:00 PM	1/23/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
	1/24/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
	1/29/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
	1/30/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
	1/31/2014	6:29 AM - 7:00 AM	Scheduled	31	0.2	Therms	\$0.19	\$10.00	\$5.17
Total				248			\$1.48		\$41.33

Reporting Capabilities

Pelican offers a wide range of information for each tenant and HVAC unit.

Location

Tenant Specific: Pelican lets you set which Tenants are responsible for which thermostats, so you can bill back each tenant their energy usage.

Date

Receive After Hour Usage information for only the days the Tenant usage their HVAC.

^{AM}_{PM} Time Range

Setup the time range that are considered "After Hours".

Type

Lets you know if the After Hour Usage is because of a set schedule or if someone manually turned on that thermostat.

Minutes

The exact minutes each HVAC unit ran for.

Power Usage

Power usage is based on the measured run time multiplied by the user configured rate of consumption. For electrical consumption the formula is:

$$\text{kWh} = \text{kW} \times \text{h}$$

where:

kWh = kilowatt hours

$$\text{kW} = (\text{kilowatts}) = \frac{\text{Volts} \times \text{Amperes} \times \text{Power Factor}}{1000}$$

h = hours

\$ Cost

Cost is based off of the power usage multiplied by your sites actual cost per kWh.

⚡/\$ Hourly Rate

This rate is what you charge your tenant for After Hour energy consumption.

\$\$ Charge

The calculated cost for the tenant to run their HVAC After Hours.



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