

Town Branch Tree Experts
2018 Energy Audit Checklist
HQ 734 Price Avenue

Ceiling

- Insulated throughout with R-38 batting, February 2018
- Bathroom Fan Vent, replaced and caulked, February 2018
- Chimneys (decommissioned) are sealed with batting at both ends (main floor and attic)
- Sewer vent pipe, sealed at crawl space, attic and roof deck with caulk and expanding foam, February 2018
- Expanding foam used elsewhere as necessary, February 2018

Attic Ventilation

- Roof Vents inspected, February 2018

Crawl Space

- Insulated throughout to semi-conditioned with installation of 6 mil poly on ground and up to band and closed-cell foam on perimeter walls and band, February 2018

HVAC

- Routine maintenance inspections are performed twice per year, summer and winter, to check refrigerant levels, coils, supply and returns,
- Filter changed every 1-3 months as needed
- New, programmable thermostat installed, February 2018
- All ducts inspected, February 2018

Water Heater

- EEMAX inline, tankless water heater installed, February 2018
- Water temperature set at 120 degrees F.
- Energy consumption when not in use = 0

Windows

- Windows replaced with Energy Star rated windows, February 2018

Lights

- All lighting is LED, including exterior, February 2018

Parking Lot

- Installed permeable parking for 4-5 vehicles, retention capacity = 2470 gallons, February 2018

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Kill-A-Watt Meter Measurements

<u>ITEM</u>	<u>Usage</u>	<u>Per Month (kwh)</u>	<u>Cost Per Month</u>
Laptop	.08 kwh / 24 hours	2.4	\$ 0.29
Printer	.09 kwh / 24 hours	2.7	\$ 0.32
^ Dishwasher*	0.33 kwh / 1 hour (x2 hours per week)	2.838	\$ 0.34
Microwave	.04 kwh / 2 min cycle (2 min per day)	1.2	\$ 0.14
Refrigerator*	.01 kwh / 15 min ~ 14.4 kwh / 24 hours	432	\$ 51.84
^ Clothes Dryer	4.4 kwh / week	18.92	\$ 2.27
^ Water Heater†	6 kwh / week	25.8	\$ 3.10

* Energy Star Rated

† In-Line Tankless

^ Estimated from Appliance Data

Infrared Thermometer

Outdoor Temperature	59 F
Thermostat Setpoint	64 F
Ceiling Temps	64.9 F
Exterior Walls (average)	63.4 F
Floors (average)	62.8 F

*There were no areas of significant variability, including windows, doors, fireplaces.

FootCandle Meter

Entry Room Light Fixture =	35
All Office Light Fixtures =	80
Entry Room Window =	156
Central Office Window =	136
Side Office Window =	110
Rear Office Window/Door =	239

Fixtures = LED / Windows = natural light, some with sheer curtains

Refrigerator Thermometer

Temperature = 40 F