# ANNUAL ENERGY USAGE AND COST ANALYSIS
## April 2024

| Appliance Type | Natural Gas Therms | Natural Gas | Propane (LP) Gas | Electric Cost | Savings Natural Gas | Savings Propane | Electric Usage Kwh |
|---|---|---|---|---|---|---|---|
| COOKING | 35 | $ 43.05 | $ 106.34 | $ 139.46 | $ 96.41 | $ 33.12 | 789 |
| WATER HEATING (Tankless) | 100 | $ 123.00 | $ 303.83 | $ 461.69 | $ 338.69 | $ 157.86 | 3,287 |
| CLOTHES DRYING | 50 | $ 61.50 | $ 151.91 | $ 227.92 | $ 166.42 | $ 76.00 | 1,289 |
| **TOTAL (TANKLESS water heater)** | | **$ 227.55** | **$ 562.08** | **$ 829.06** | **$ 601.51** | **$ 266.98** | |
| | CGS Customer charge | **$ (192.00)** | **$ (115.00)** | | | | |
| | **Net Savings (Tankless Gas & Electric)** | **$ 409.51** | **$ 151.98** | | | | |
| | | **49%** | **18%** | | | | |

| Furnace & Outside Recreation | Therms | Natural | Propane | Heat Pump |
|---|---|---|---|---|
| HOME HEATING | 130 | $ 159.90 | $ 394.97 | $ 234.97 |
| POOL HEATING** | 250 | $ 307.50 | $ 737.50 | $ 265.47 |
| SPA/HOT TUB HEAT** | 125 | $ 153.75 | $ 368.75 | $ 132.73 |

* Water heater is based on 100 therms (gas tankless) and 3,300kwh (electric tank)

** Varies according to pool size, weather conditions, and temperature maintained.

All other figures are annual average projections based upon the following:

1. 1 Therm = 100,000 BTUs of energy
2. Natural Gas Rate $ 1.23 per Therm
3. LP Gas per gallon (Bulk Bill level 3 or Will Call) $ 2.78 per Gallon or $ 3.05 per Therm Equivalent
4. Duke Energy Rate (per kwh) 0.17679 per KWH or $ 5.18 per Therm Equivalent

Costs based on April 2024 energy charges. Current monthly customer charges are: Duke - $12.89; Peoples Gas - $15.10-$24.60; Clearwater Gas - $16.00 (natural gas only) and $24.00 in Central Pasco. L.P. customers are billed annually - $85.00 to $375.00 (non-refundable depending on program).