



HACFL
Housing Authority of the
City of Fort Lauderdale

**NOTICE TO RESIDENTS
PROPOSED UTILITY ALLOWANCES
September 1, 2022**

The Housing Authority of the City of Fort Lauderdale is proposing the attached utility allowances as a result of a utility allowance study performed. These allowances are based on tenant-paid utilities (except telephone), such as: cost of tenant-supplied refrigerators and ranges, and for other tenant-paid housing services (e.g. trash collection (disposal of waste and refuse)) water, sewage and electric. These requirements are based on HUD regulations found in 24 CFR 982.517 of the Federal Register Rules and Regulations.

The allowances are a direct reflection of the energy needs required by the structure's major systems and variations of each unit type.

The attached utility allowances will be put into effect beginning **December 1, 2022**. **The Change in your utility allowance will be effective at your next annual recertification.**

A copy of the documents describing the basis on which the allowances were established are available for inspection at the following locations:

Fort Lauderdale Housing Authority
Section 8 Office (**2nd Floor**)
500 West Sunrise Blvd
Fort Lauderdale, FL 33311

Comments can be submitted in writing or via email by October 1, 2022 to:

Fort Lauderdale Housing Authority
Attn: Anita Flores (**aflores@hacfl.com**)
Section 8 Office (2nd Floor)
500 West Sunrise Blvd
Fort Lauderdale, FL 33311

BELOW ARE THE 2022 UTILITY ALLOWANCE CHARTS

UTILITY ALLOWANCE STUDY

SECTION 8

Prepared For:

**The Housing Authority of
the City of Fort Lauderdale**
500 West Sunrise Blvd.
Fort Lauderdale, Florida 33311

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1 Basis for Utility Allowance – Section 8

This utility allowance study for the Section 8 tenant based assistance: housing choice voucher program conforms to 24CFR982.517 which follows:

982.517 Utility allowance schedule.

(a) *Maintaining schedule.* (1) The PHA must maintain a utility allowance schedule for all tenant-paid utilities (except telephone), for cost of tenant supplied refrigerators and ranges, and for other tenant-paid housing services (e.g., trash collection (disposal of waste and refuse)). (2) The PHA must give HUD a copy of the utility allowance schedule. At HUD's request, the PHA also must provide any information or procedures used in preparation of the schedule.

(b) *How allowances are determined.* (1) The utility allowance schedule must be determined based on the typical cost of utilities and services paid by energy conservative households that occupy housing of similar size and type in the same locality. In developing the schedule, the PHA must use normal patterns of consumption for the community as a whole and current utility rates. (2)(i) a PHA's utility allowance schedule, and the utility allowance for an individual family, must include the utilities and services that are necessary in the locality to provide housing that complies with the housing quality standards. However, the PHA may not provide any allowance for non-essential utility costs, such as costs of cable or satellite television. (ii) In the utility allowance schedule, the PHA must classify utilities and other housing services according to the following general categories: space heating; air conditioning; cooking; water heating; water; sewer; trash collection (disposal of waste and refuse); other electric; refrigerator (cost of tenant- supplied refrigerator); range (cost of tenant-supplied range); and other specified housing services. The PHA must provide a utility allowance for tenant-paid air-conditioning costs if the majority of housing units in the market provide centrally air-conditioned units or there is appropriate wiring for tenant-installed air conditioners. (3) The cost of each utility and housing service category must be stated separately. For each of these categories, the utility allowance schedule must take into consideration unit size (by number of bedrooms), and unit types (e.g., apartment, row-house, townhouse, single-family detached, and manufactured housing) that are typical in the community. (4) The utility allowance schedule must be prepared and submitted in accordance with HUD requirements on the form prescribed by HUD.

(c) *Revisions of utility allowance schedule.* (1) a PHA must review its schedule of utility allowances each year, and must revise its allowance for a utility category if there PHAs been a change of 10 percent or more in the utility rate since the last time the utility allowance schedule was revised. The PHA must maintain information supporting its annual review of utility allowances and any revisions made in its utility allowance schedule. (2) At HUD's direction, the PHA must revise the utility allowance schedule to correct any errors, or as necessary to update the schedule.

(d) *Use of utility allowance schedule.* (1) The PHA must use the appropriate utility allowance for the size of dwelling unit actually leased by the family (rather than the family unit size as determined under the PHA subsidy standards). (2) At reexamination, the PHA must use the PHA current utility allowance schedule.

(e) *Higher utility allowance as reasonable accommodation for a person with disabilities.* On request from a family that includes a person with disabilities, the PHA must approve a utility allowance which is higher than the applicable amount on the utility allowance schedule if a higher utility allowance is needed as a reasonable accommodation in accordance with 24 CFR part 8 to make the program accessible to and usable by the family member with a disability.

2 Introduction

The Housing Authority of the City of Fort Lauderdale provides vouchers units in a variety of configurations including mobile homes, single family homes, garden apartments / duplexes, townhouses and multi-story, multi-family units. Each unit within each type can vary in age, size and configuration.

This Utility Allowance Study was performed for the purpose of complying with Federal Register 24 CFR Part 982. These regulations apply to allowances for all applicable types of utilities, regardless on the methodology used to calculate the allowances.

The study was performed with the assistance of the Utility Allowance Guidebook 7420.10G. This study uses the engineering-based methodology, one of two suggested methods that can be used to establish utility allowances. This method is based on engineering calculations and other technical information that is used to estimate the amount of energy or water a household should reasonable require.

The tenants are responsible for individual metered electric, natural gas, bottled gas (propane), water and sanitary sewer utilities. The tenants can also be responsible for non-metered utility services, such as trash collection.

The age and configuration of unit only has a significant effect on heating and air conditioning. Typical configurations of mobile homes, single family homes, duplexes, low rise / townhouses and multi-story, multi-family are used to estimate these costs. Considerations for allowances such as cooking, lighting and water consumption are typical to the same number of bedrooms and average occupancy. These allowances were developed for each number of bedrooms, zero through five and are based on a typical unit.

3 Utility Allowance Recommendations

3.1 Mobile Home

Monthly Utility Allowance		0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Heating	Nat. Gas	\$4	\$5	\$5	\$7	\$8	\$12	\$13	\$15
	Propane	\$5	\$7	\$7	\$10	\$11	\$17	\$18	\$20
	Electric	\$5	\$6	\$6	\$9	\$10	\$15	\$16	\$21
Cooking	Nat. Gas	\$9	\$13	\$19	\$21	\$26	\$30	\$34	\$38
	Propane	\$13	\$18	\$23	\$28	\$36	\$41	\$46	\$51
	Electric	\$8	\$11	\$14	\$17	\$22	\$29	\$32	\$36
Other Electric		\$28	\$35	\$42	\$48	\$60	\$67	\$74	\$81
Air Conditioning		\$21	\$25	\$27	\$36	\$43	\$60	\$66	\$72
Water Heating	Nat. Gas	\$43	\$53	\$62	\$72	\$87	\$97	\$107	\$117
	Propane	\$43	\$57	\$70	\$83	\$103	\$117	\$130	\$144
	Electric	\$24	\$33	\$43	\$52	\$77	\$88	\$100	\$111
Water		\$24	\$35	\$46	\$62	\$72	\$88	\$94	\$104
Sewer		\$46	\$54	\$61	\$69	\$80	\$88	\$96	\$103
Trash Collection		\$46	\$46	\$46	\$46	\$46	\$46	\$46	\$46
Microwave Oven / Range (Tenant Supplied)		\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
Refrig. (Tenant Supplied)		\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
Oxygen Concentrator		\$39	\$39	\$39	\$46	\$46	\$46	\$46	\$46

3.2 Single Family Home

Monthly Utility Allowance		0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Heating	Nat. Gas	\$6	\$7	\$7	\$8	\$10	\$15	\$17	\$18
	Propane	\$8	\$9	\$10	\$11	\$13	\$21	\$23	\$25
	Electric	\$7	\$8	\$9	\$10	\$12	\$18	\$20	\$26
Cooking	Nat. Gas	\$9	\$13	\$19	\$21	\$26	\$30	\$34	\$38
	Propane	\$13	\$18	\$23	\$28	\$36	\$41	\$46	\$51
	Electric	\$8	\$11	\$14	\$17	\$22	\$29	\$32	\$36
Other Electric		\$28	\$35	\$42	\$48	\$60	\$67	\$74	\$81
Air Conditioning		\$25	\$28	\$33	\$38	\$46	\$58	\$64	\$70
Water Heating	Nat. Gas	\$43	\$53	\$62	\$72	\$87	\$97	\$107	\$117
	Propane	\$43	\$57	\$70	\$83	\$103	\$117	\$130	\$144
	Electric	\$24	\$33	\$43	\$52	\$77	\$88	\$100	\$111
Water		\$24	\$35	\$46	\$62	\$72	\$88	\$94	\$104
Sewer		\$46	\$54	\$61	\$69	\$80	\$88	\$96	\$103
Trash Collection		\$46	\$46	\$46	\$46	\$46	\$46	\$46	\$46
Microwave Oven / Range (Tenant Supplied)		\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
Refrig. (Tenant Supplied)		\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
Oxygen Concentrator		\$39	\$39	\$39	\$46	\$46	\$46	\$46	\$46

3.3 Semi-Detached / Duplex

Monthly Utility Allowance		0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Heating	Nat. Gas	\$4	\$5	\$5	\$7	\$7	\$14	\$15	\$17
	Propane	\$6	\$7	\$8	\$9	\$10	\$19	\$21	\$23
	Electric	\$5	\$6	\$7	\$8	\$9	\$17	\$18	\$24
Cooking	Nat. Gas	\$9	\$13	\$19	\$21	\$26	\$30	\$34	\$38
	Propane	\$13	\$18	\$23	\$28	\$36	\$41	\$46	\$51
	Electric	\$8	\$11	\$14	\$17	\$22	\$29	\$32	\$36
Other Electric		\$28	\$35	\$42	\$48	\$60	\$67	\$74	\$81
Air Conditioning		\$22	\$24	\$30	\$35	\$40	\$56	\$61	\$67
Water Heating	Nat. Gas	\$43	\$53	\$62	\$72	\$87	\$97	\$107	\$117
	Propane	\$43	\$57	\$70	\$83	\$103	\$117	\$130	\$144
	Electric	\$24	\$33	\$43	\$52	\$77	\$88	\$100	\$111
Water		\$24	\$35	\$46	\$62	\$72	\$88	\$94	\$104
Sewer		\$46	\$54	\$61	\$69	\$80	\$88	\$96	\$103
Trash Collection		\$46	\$46	\$46	\$46	\$46	\$46	\$46	\$46
Microwave Oven / Range (Tenant Supplied)		\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
Refrig. (Tenant Supplied)		\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
Oxygen Concentrator		\$39	\$39	\$39	\$46	\$46	\$46	\$46	\$46

3.4 Low Rise / Townhouse / Row House / Garden Apartment

Monthly Utility Allowance		0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Heating	Nat. Gas	\$5	\$6	\$6	\$11	\$12	\$12	\$14	\$15
	Propane	\$6	\$8	\$8	\$15	\$16	\$17	\$19	\$21
	Electric	\$6	\$7	\$8	\$13	\$14	\$15	\$17	\$21
Cooking	Nat. Gas	\$9	\$13	\$19	\$21	\$26	\$30	\$34	\$38
	Propane	\$13	\$18	\$23	\$28	\$36	\$41	\$46	\$51
	Electric	\$8	\$11	\$14	\$17	\$22	\$29	\$32	\$36
Other Electric		\$28	\$35	\$42	\$48	\$60	\$67	\$74	\$81
Air Conditioning		\$22	\$27	\$32	\$44	\$50	\$53	\$58	\$64
Water Heating	Nat. Gas	\$43	\$53	\$62	\$72	\$87	\$97	\$107	\$117
	Propane	\$43	\$57	\$70	\$83	\$103	\$117	\$130	\$144
	Electric	\$24	\$33	\$43	\$52	\$77	\$88	\$100	\$111
Water		\$24	\$35	\$46	\$62	\$72	\$88	\$94	\$104
Sewer		\$46	\$54	\$61	\$69	\$80	\$88	\$96	\$103
Trash Collection		\$46	\$46	\$46	\$46	\$46	\$46	\$46	\$46
Microwave Oven / Range (Tenant Supplied)		\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
Refrig. (Tenant Supplied)		\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
Oxygen Concentrator		\$39	\$39	\$39	\$46	\$46	\$46	\$46	\$46

3.5 High Rise / Multi-Family, Multi-Story

Monthly Utility Allowance		0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Heating	Nat. Gas	\$3	\$4	\$6	\$6	\$8	\$10	\$11	\$12
	Propane	\$5	\$6	\$8	\$9	\$10	\$13	\$15	\$16
	Electric	\$4	\$5	\$7	\$8	\$9	\$12	\$13	\$17
Cooking	Nat. Gas	\$9	\$13	\$19	\$21	\$26	\$30	\$34	\$38
	Propane	\$13	\$18	\$23	\$28	\$36	\$41	\$46	\$51
	Electric	\$8	\$11	\$14	\$17	\$22	\$29	\$32	\$36
Other Electric		\$28	\$35	\$42	\$48	\$60	\$67	\$74	\$81
Air Conditioning		\$20	\$28	\$32	\$39	\$45	\$53	\$58	\$64
Water Heating	Nat. Gas	\$43	\$53	\$62	\$72	\$87	\$97	\$107	\$117
	Propane	\$43	\$57	\$70	\$83	\$103	\$117	\$130	\$144
	Electric	\$24	\$33	\$43	\$52	\$77	\$88	\$100	\$111
Water		\$24	\$35	\$46	\$62	\$72	\$88	\$94	\$104
Sewer		\$46	\$54	\$61	\$69	\$80	\$88	\$96	\$103
Trash Collection		\$46	\$46	\$46	\$46	\$46	\$46	\$46	\$46
Microwave Oven / Range (Tenant Supplied)		\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4
Refrig. (Tenant Supplied)		\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5
Oxygen Concentrator		\$39	\$39	\$39	\$46	\$46	\$46	\$46	\$46

4 Utilities Cost

4.1 Electricity

Space Heating

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Mobile Home	\$4.84	\$6.01	\$6.47	\$8.57	\$10.20	\$14.90	\$16.39	\$20.96
Single Family Home	\$7.48	\$8.29	\$8.53	\$9.96	\$11.79	\$18.41	\$20.25	\$25.90
Duplex	\$5.45	\$5.96	\$6.71	\$7.94	\$8.91	\$16.79	\$18.47	\$23.62
Low Rise / Townhouse	\$5.74	\$6.80	\$7.57	\$13.03	\$14.24	\$15.17	\$16.69	\$21.35
Multi-Story Multi- Family	\$4.22	\$5.39	\$7.26	\$7.90	\$9.25	\$11.87	\$13.06	\$16.70

Cooking

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Electric	\$7.70	\$10.78	\$13.85	\$16.93	\$21.55	\$28.63	\$32.21	\$35.79

Other Electric

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Customer Charge	\$10.74	\$10.74	\$10.74	\$10.74	\$10.74	\$10.74	\$10.74	\$10.74
Lighting & Refrigeration	\$17.49	\$24.49	\$31.49	\$36.94	\$48.98	\$55.98	\$62.97	\$69.97
Total Electric	\$28.23	\$35.23	\$42.23	\$47.68	\$59.72	\$66.72	\$73.71	\$80.71

Air Conditioning

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Mobile Home	\$21.38	\$25.02	\$27.29	\$35.93	\$42.59	\$59.82	\$65.80	\$72.39
Single Family Home	\$25.43	\$27.88	\$32.83	\$38.15	\$46.09	\$58.08	\$63.89	\$70.28
Duplex	\$21.80	\$23.70	\$29.58	\$34.52	\$40.02	\$55.51	\$61.06	\$67.17
Low Rise / Townhouse	\$22.46	\$26.63	\$32.01	\$44.09	\$49.96	\$52.94	\$58.23	\$64.06
Multi-Story Multi- Family	\$19.65	\$28.36	\$32.32	\$38.59	\$45.49	\$52.94	\$58.23	\$64.06

Water Heating

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Electric	\$23.79	\$33.31	\$42.82	\$52.34	\$77.44	\$88.50	\$99.56	\$110.62

Oxygen Concentrator

Monthly Electric Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Electric	\$39.32	\$39.32	\$39.32	\$45.71	\$45.71	\$45.71	\$45.71	\$45.71

4.1.1 Electric Rates

Electric utility rates are based on FPL rates. FPL rates are available on www.fpl.com.

Customer Charge = \$10.74

Energy Charge (First 1,000kWh) = \$0.13994

Energy Charge (All additional kWh) = \$0.16268

Three, Four, Five, Six and Seven bedroom units use more than 1,000 kWh/month if all electric appliances are used. Therefore, the following allowances were calculated using the higher electric rate:

- 3, 4, 5, 6 & 7 Bedroom - Oxygen Concentrator
- 4, 5, 6 & 7 Bedroom - Water Heating
- 5, 6 & 7 Bedroom - Cooking
- 7 Bedroom - Heating

4.1.2 Monthly Energy Charge

Space Heating (Mobile Home)

Space Heating	0BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	35	43	46	61	73	107	117	129
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163
Energy Cost	\$4.84	\$6.01	\$6.47	\$8.57	\$10.20	\$14.90	\$16.39	\$20.96

Space Heating (Single Family)

Space Heating	0BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	53	59	61	71	84	132	145	159
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163
Energy Cost	\$7.48	\$8.29	\$8.53	\$9.96	\$11.79	\$18.41	\$20.25	\$25.90

Space Heating (Duplex)

Space Heating	0BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	39	43	48	57	64	120	132	145
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163
Energy Cost	\$5.45	\$5.96	\$6.71	\$7.94	\$8.91	\$16.79	\$18.47	\$23.62

Space Heating (Low Rise / Townhouse)

Space Heating	0BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	41	49	54	93	102	108	119	131
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163
Energy Cost	\$5.74	\$6.80	\$7.57	\$13.03	\$14.24	\$15.17	\$16.69	\$21.35

Space Heating (Multi-Family, Multi-Story)

Space Heating	0BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	30	39	52	56	66	85	93	103
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163
Energy Cost	\$4.22	\$5.39	\$7.26	\$7.90	\$9.25	\$11.87	\$13.06	\$16.70

Cooking

Cooking	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	55	77	99	121	154	176	198	220
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163	\$0.163	\$0.163
Energy Cost	\$7.70	\$10.78	\$13.85	\$16.93	\$21.55	\$28.63	\$32.21	\$35.79

Lighting and Refrigeration

Lighting and Refrigeration	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	125	175	225	264	350	400	450	500
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$17.49	\$24.49	\$31.49	\$36.94	\$48.98	\$55.98	\$62.97	\$69.97

Air Conditioning (Mobile Home)

Air Conditioning (Mobile Home)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	153	179	195	257	304	427	470	517
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$21.38	\$25.02	\$27.29	\$35.93	\$42.59	\$59.82	\$65.80	\$72.39

Air Conditioning (Single Family)

Air Conditioning (Single Family)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	182	199	235	273	329	415	457	502
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$25.43	\$27.88	\$32.83	\$38.15	\$46.09	\$58.08	\$63.89	\$70.28

Air Conditioning (Duplex)

Air Conditioning (Duplex)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	156	169	211	247	286	397	436	480
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$21.80	\$23.70	\$29.58	\$34.52	\$40.02	\$55.51	\$61.06	\$67.17

Air Conditioning (Low Rise / Townhouse)

Air Conditioning (Low Rise / Townhouse)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	161	190	229	315	357	378	416	458
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$22.46	\$26.63	\$32.01	\$44.09	\$49.96	\$52.94	\$58.23	\$64.06

Air Conditioning (Multi-Family, Multi-Story)

Air Conditioning (Multi-Family, Multi-Story)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	140	203	231	276	325	378	416	458
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140	\$0.140
Energy Cost	\$19.65	\$28.36	\$32.32	\$38.59	\$45.49	\$52.94	\$58.23	\$64.06

Domestic Hot Water

Domestic Hot Water	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	170	238	306	374	476	544	612	680
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.140	\$0.163	\$0.163	\$0.163	\$0.163
Energy Cost	\$23.79	\$33.31	\$42.82	\$52.34	\$77.44	\$88.50	\$99.56	\$110.62

Oxygen Concentrator

Oxygen Concentrator	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electric (kWh)	281	281	281	281	281	281	281	281
Energy Charge (\$/kWh)	\$0.140	\$0.140	\$0.140	\$0.163	\$0.163	\$0.163	\$0.163	\$0.163
Energy Cost	\$39.32	\$39.32	\$39.32	\$45.71	\$45.71	\$45.71	\$45.71	\$45.71

4.2 Bottled Gas (Propane)

Space Heating

Monthly Propane Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Mobile Home	\$5.43	\$6.74	\$7.26	\$9.61	\$11.44	\$16.72	\$18.39	\$20.23
Single Family Home	\$8.39	\$9.30	\$9.57	\$11.18	\$13.23	\$20.66	\$22.72	\$24.99
Duplex	\$6.11	\$6.68	\$7.53	\$8.90	\$9.99	\$18.84	\$20.72	\$22.80
Low Rise / Townhouse	\$6.43	\$7.63	\$8.49	\$14.62	\$15.97	\$17.02	\$18.73	\$20.60
Multi-Story Multi-Family	\$4.74	\$6.05	\$8.15	\$8.86	\$10.38	\$13.32	\$14.65	\$16.11

Cooking

Monthly Propane Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Propane	\$12.74	\$17.84	\$22.94	\$28.03	\$35.68	\$40.78	\$45.87	\$50.97

Water Heating

Monthly Propane Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Customer Charge	\$9.81	\$9.81	\$9.81	\$9.81	\$9.81	\$9.81	\$9.81	\$9.81
Commodity Cost	\$33.45	\$46.83	\$60.21	\$73.59	\$93.66	\$107.04	\$120.41	\$133.79
Total Propane	\$43.26	\$56.64	\$70.02	\$83.40	\$103.46	\$116.84	\$130.22	\$143.60

4.2.1 Propane Rates

Propane rates are based on Amerigas. Amerigas can be reached at www.amerigas.com.

Tank Rental (\$/Month) \$9.81

Commodity Charge: \$/Gallon = \$2.93

4.2.2 Monthly Energy Charge

Space Heating (Mobile Home)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	1.85	2.30	2.48	3.28	3.90	5.70	6.28	6.90
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$5.43	\$6.74	\$7.26	\$9.61	\$11.44	\$16.72	\$18.39	\$20.23

Space Heating (Single Family Home)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	2.86	3.17	3.26	3.81	4.51	7.05	7.75	8.53
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$8.39	\$9.30	\$9.57	\$11.18	\$13.23	\$20.66	\$22.72	\$24.99

Space Heating (Duplex)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	2.09	2.28	2.57	3.04	3.41	6.43	7.07	7.78
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$6.11	\$6.68	\$7.53	\$8.90	\$9.99	\$18.84	\$20.72	\$22.80

Space Heating (Low Rise/Townhouse)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	2.20	2.60	2.90	4.99	5.45	5.81	6.39	7.03
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$6.43	\$7.63	\$8.49	\$14.62	\$15.97	\$17.02	\$18.73	\$20.60

Space Heating (Multi-Family Multi-Story)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	1.62	2.06	2.78	3.02	3.54	4.54	5.00	5.50
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$4.74	\$6.05	\$8.15	\$8.86	\$10.38	\$13.32	\$14.65	\$16.11

Domestic Hot Water

Domestic Hot Water	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	11.41	15.98	20.54	25.11	31.96	36.52	41.09	45.65
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$33.45	\$46.83	\$60.21	\$73.59	\$93.66	\$107.04	\$120.41	\$133.79

Cooking

Cooking	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Propane (Gallons)	4.35	6.09	7.83	9.57	12.17	13.91	15.65	17.39
Commodity Charge (\$/Gallon)	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93	\$2.93
Commodity Cost	\$12.74	\$17.84	\$22.94	\$28.03	\$35.68	\$40.78	\$45.87	\$50.97

4.3 Natural Gas

Space Heating

Monthly Natural Gas Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Mobile Home	\$3.97	\$4.92	\$5.30	\$7.02	\$8.36	\$12.21	\$13.43	\$14.77
Single Family Home	\$6.13	\$6.79	\$6.99	\$8.16	\$9.66	\$15.08	\$16.59	\$18.25
Duplex	\$4.46	\$4.88	\$5.50	\$6.50	\$7.30	\$13.76	\$15.13	\$16.65
Low Rise / Townhouse	\$4.70	\$5.57	\$6.20	\$10.67	\$11.67	\$12.43	\$13.67	\$15.04
Multi-Story Multi-Family	\$3.46	\$4.42	\$5.95	\$6.47	\$7.58	\$9.72	\$10.70	\$11.77

Cooking

Monthly Natural Gas Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Natural Gas	\$9.41	\$13.17	\$19.05	\$20.70	\$26.34	\$30.11	\$33.87	\$37.63

Water Heating

Monthly Natural Gas Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Customer Charge	\$18.02	\$18.02	\$18.02	\$18.02	\$18.02	\$18.02	\$18.02	\$18.02
Commodity Cost	\$24.70	\$34.57	\$44.45	\$54.33	\$69.15	\$79.03	\$88.90	\$98.78
Total Natural Gas	\$42.72	\$52.59	\$62.47	\$72.35	\$87.17	\$97.05	\$106.92	\$116.80

4.3.1 Natural Gas Rates

Natural gas utility rates are based on Peoples Gas. Peoples Gas rates can be found at www.peoplesgas.com.

Customer Charge: \$18.02

Commodity Charge: \$/Therms = \$2.3520

4.3.2 Monthly Commodity Charge

Space Heating (Mobile Home)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	1.69	2.09	2.25	2.98	3.55	5.19	5.71	6.28
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$3.97	\$4.92	\$5.30	\$7.02	\$8.36	\$12.21	\$13.43	\$14.77

Space Heating (Single Family Home)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	2.60	2.89	2.97	3.47	4.11	6.41	7.06	7.76
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$6.13	\$6.79	\$6.99	\$8.16	\$9.66	\$15.08	\$16.59	\$18.25

Space Heating (Duplex)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	1.90	2.07	2.34	2.76	3.10	5.85	6.43	7.08
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$4.46	\$4.88	\$5.50	\$6.50	\$7.30	\$13.76	\$15.13	\$16.65

Space Heating (Low Rise/Townhouse)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	2.00	2.37	2.64	4.54	4.96	5.29	5.81	6.40
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$4.70	\$5.57	\$6.20	\$10.67	\$11.67	\$12.43	\$13.67	\$15.04

Space Heating (Multi-Family Multi-Story)

Space Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	1.47	1.88	2.53	2.75	3.22	4.13	4.55	5.00
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$3.46	\$4.42	\$5.95	\$6.47	\$7.58	\$9.72	\$10.70	\$11.77

Domestic Hot Water

Domestic Hot Water	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	10.50	14.70	18.90	23.10	29.40	33.60	37.80	42.00
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$24.70	\$34.57	\$44.45	\$54.33	\$69.15	\$79.03	\$88.90	\$98.78

Cooking

Cooking	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Natural Gas (Therms)	4.00	5.60	8.10	8.80	11.20	12.80	14.40	16.00
Commodity Charge (\$/Therm)	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35	\$2.35
Commodity Cost	\$9.41	\$13.17	\$19.05	\$20.70	\$26.34	\$30.11	\$33.87	\$37.63

4.4 Water

Monthly Water Cost

Monthly Water Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Customer Charge	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37	\$8.37
Water Charge	\$15.80	\$26.50	\$37.20	\$53.25	\$63.95	\$80.00	\$85.35	\$96.05
Total Water	\$24.17	\$34.87	\$45.57	\$61.62	\$72.32	\$88.37	\$93.72	\$104.42

4.4.1 Water Rates

Water utility rates are based on City of Fort Lauderdale Utility rates. The City of Fort Lauderdale Utilities can be reached at 954-828-8000.

Customer Charge (\$/mo) Minimum:	\$8.37
Water Charge 0 to 3,300 gal (\$/1000 gal):	\$3.036
Water Charge 3,001 gal to 8,000 gal (\$/1000gal):	\$6.688
Water Charge 8,001 gal to 12,000 gal (\$/1000gal):	\$8.371
Water Charge 12,000 gal to 20,000 gal (\$/1000gal):	\$16.40

4.4.2 Monthly Water Charge

Water	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Water Consumption (gal)	4,000	5,600	7,200	8,800	11,200	12,800	14,400	16,000
Water Charge (0 to 3,000 gal)	\$9.11	\$9.11	\$9.11	\$9.11	\$9.11	\$9.11	\$9.11	\$9.11
Water Charge (3,001 to 8,000 gal)	\$6.69	\$17.39	\$28.09	\$38.79	\$33.44	\$33.44	\$33.44	\$33.44
Water Charge (8,001 to 12,000 gal)	\$0.00	\$0.00	\$0.00	\$5.35	\$21.40	\$32.10	\$26.75	\$26.75
Water Charge (12,001 to 20,000 gal)	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$5.35	\$16.05	\$26.75
Total Water Charge	\$15.80	\$26.50	\$37.20	\$53.25	\$63.95	\$80.00	\$85.35	\$96.05

4.5 Sewer

Monthly Sewer Cost

Monthly Sewer Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Customer Charge	\$26.97	\$26.97	\$26.97	\$26.97	\$26.97	\$26.97	\$26.97	\$26.97
Sewer Charge	\$19.04	\$26.66	\$34.27	\$41.89	\$53.31	\$60.93	\$68.54	\$76.16
Total Sewer	\$46.01	\$53.63	\$61.24	\$68.86	\$80.28	\$87.90	\$95.51	\$103.13

4.5.1 Sanitary Sewer & Stormwater Rates

Sanitary Sewer & Stormwater rates are based on City of Fort Lauderdale Utility rates. The City of Fort Lauderdale Utilities can be reached at 954-828-8000.

Customer Charge (\$/mo):	\$26.97
Sewer Charge 0 to 3,000 gal (\$/1000 gal):	\$4.760
Sewer Charge 3,001 gal to 20,000 gal (\$/1000gal):	\$10.520

4.5.2 Monthly Sanitary Sewer Charge

Sewer	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Water Consumption (gal)	4,000	5,600	7,200	8,800	11,200	12,800	14,400	16,000
Sewer Charge (0 to 3,999 gal)	\$19.04	\$19.04	\$19.04	\$19.04	\$19.04	\$19.04	\$19.04	\$19.04
Sewer Charge (4,000 to 20,000 gal)	\$0.00	\$7.62	\$15.23	\$22.85	\$34.27	\$41.89	\$49.50	\$57.12
Total Sewer Charge	\$19.04	\$26.66	\$34.27	\$41.89	\$53.31	\$60.93	\$68.54	\$76.16

4.6 Trash Collection

Monthly Trash Collection Cost	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Total Trash Collection	\$45.78	\$45.78	\$45.78	\$45.78	\$45.78	\$45.78	\$45.78	\$45.78

4.6.1 Trash Collection Rates

Trash collection utility rates are based on the city of Fort Lauderdale. The City of Fort Lauderdale can be reached at 954-828-8000. The rates are:

Customer Charge (\$/month): \$45.78

4.7 Appliance Depreciation Allowance

Should the tenant provide their own range or refrigerator, the Housing Authority is

Appliance Allowance

Appliance	Estimated Cost	Expected Life (Yrs)	Monthly Allowance
Range	\$535	10	\$4
Refrigerator	\$642	10	\$5

5 Consumption Studies

5.1 Space Heating Consumption

The following monthly energy consumption is based on the methodology recommended in the Utility Allowance Guidebook.

Design Outdoor Air Temperature (F):	52
Design Indoor Air Temperature (F):	72
Heating Degree Days:	206
Heat of Electricity (BTU/kWh)	3,412
Furnace Efficiency:	70%
Heat of Propane (BTU/gal)	91,000
Heat of Natural Gas (BTU/Therm)	100,000

Monthly Energy Consumption Requirements for Heating (Mobile Home)

Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	5,730	7,112	7,659	10,140	12,074	17,640	19,404	21,344
Energy (BTU's)	118,038	146,507	157,775	208,884	248,724	363,384	399,722	439,695
Electricity (kWh)	35	43	46	61	73	107	117	129
Propane (gal)	1.85	2.30	2.48	3.28	3.90	5.70	6.28	6.90
Natural Gas (Therms)	1.69	2.09	2.25	2.98	3.55	5.19	5.71	6.28

Monthly Energy Consumption Requirements for Heating (Single Family)

Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	8,850	9,817	10,096	11,794	13,957	21,794	23,973	26,371
Energy (BTU's)	182,310	202,230	207,978	242,956	287,514	448,956	493,852	543,237
Electricity (kWh)	53	59	61	71	84	132	145	159
Propane (gal)	2.86	3.17	3.26	3.81	4.51	7.05	7.75	8.53
Natural Gas (Therms)	2.60	2.89	2.97	3.47	4.11	6.41	7.06	7.76

Monthly Energy Consumption Requirements for Heating (Duplex)

Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	6,450	7,049	7,942	9,393	10,541	19,878	21,866	24,052
Energy (BTU's)	132,870	145,209	163,605	193,496	217,145	409,487	450,435	495,479
Electricity (kWh)	39	43	48	57	64	120	132	145
Propane (gal)	2.09	2.28	2.57	3.04	3.41	6.43	7.07	7.78
Natural Gas (Therms)	1.90	2.07	2.34	2.76	3.10	5.85	6.43	7.08

Monthly Energy Consumption Requirements for Heating (Low Rise)

Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	6,788	8,052	8,957	15,421	16,854	17,961	19,757	21,733
Energy (BTU's)	139,833	165,871	184,514	317,673	347,192	369,997	406,996	447,696
Electricity (kWh)	41	49	54	93	102	108	119	131
Propane (gal)	2.20	2.60	2.90	4.99	5.45	5.81	6.39	7.03
Natural Gas (Therms)	2.00	2.37	2.64	4.54	4.96	5.29	5.81	6.40

Monthly Energy Consumption Requirements for Heating (Multi Story)

Heating	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	4,996	6,384	8,596	9,348	10,952	14,050	15,455	17,001
Energy (BTU's)	102,918	131,510	177,078	192,569	225,611	289,430	318,373	350,210
Electricity (kWh)	30	39	52	56	66	85	93	103
Propane (gal)	1.62	2.06	2.78	3.02	3.54	4.54	5.00	5.50
Natural Gas (Therms)	1.47	1.88	2.53	2.75	3.22	4.13	4.55	5.00

5.2 Cooking Consumption

The following is the monthly energy consumption requirements for cooking as recommended in the Utility Allowance Guidebook:

Monthly Energy Consumption Requirements for Cooking

Cooking	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electricity (kWh)	55	77	99	121	154	176	198	220
Propane (gal)	4.35	6.09	7.83	9.57	12.17	13.91	15.65	17.39
Natural Gas (Therms)	4	5.6	8.1	8.8	11.2	12.8	14.4	16

5.3 Lighting and Refrigeration Consumption

The following is the monthly energy consumption requirements for lighting and refrigeration as recommended in the Utility Allowance Guidebook:

Monthly Energy Consumption Requirements for Lighting and Refrigeration

Refrigeration	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electricity (kWh)	125	175	225	264	350	400	450	500

5.4 Air Conditioning Consumption

The following monthly energy consumption requirements for air conditioning consumption are based on calculations in HUD's Life Cycle Cost Analysis Handbook 7418.1 CHG-1. The calculations assume the following:

Unit Efficiency (BTU/Watt) 9.7
 Equivalent Full Load Hours 1730

Monthly Energy Consumption Requirements for Air Conditioning (Mobile)

Cooling	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	10,279	12,030	13,121	17,277	20,479	28,763	31,639	34,803
Electricity (kWh)	153	179	195	257	304	427	470	517

Monthly Energy Consumption Requirements for Air Conditioning (Single)

Cooling	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	12,225	13,404	15,786	18,344	22,159	27,927	30,720	33,792
Electricity (kWh)	182	199	235	273	329	415	457	502

Monthly Energy Consumption Requirements for Air Conditioning (Duplex)

Cooling	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	10,481	11,395	14,221	16,598	19,240	26,690	29,359	32,295
Electricity (kWh)	156	169	211	247	286	397	436	480

Monthly Energy Consumption Requirements for Air Conditioning (Low Rise)

Cooling	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	10,799	12,803	15,390	21,201	24,019	25,453	27,998	30,798
Electricity (kWh)	161	190	229	315	357	378	416	458

Monthly Energy Consumption Requirements for Air Conditioning (Multi-

Cooling	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Design Load (BTU/hr)	9,447	13,634	15,539	18,552	21,872	25,453	27,998	30,798
Electricity (kWh)	140	203	231	276	325	378	416	458

5.5 Domestic Hot Water Consumption

The following is the monthly energy consumption requirements for water heating as recommended in the Utility Allowance Guidebook:

Monthly Energy Consumption Requirements for Domestic Hot Water

Domestic Hot Water	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Electricity (kWh)	170	238	306	374	476	544	612	680
Propane (gal)	11.41	15.98	20.54	25.11	31.96	36.52	41.09	45.65
Natural Gas (Therms)	10.50	14.70	18.90	23.10	29.40	33.60	37.80	42.00

5.6 Water Consumption

The following is the monthly energy consumption requirements for water consumption as recommended in the Utility Allowance Guidebook:

Monthly Water Consumption

Monthly Water Consumption	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR	7 BR
Water (Gal)	4,000	5,600	7,200	8,800	11,200	12,800	14,400	16,000