

Section-8 Utility Allowance Report

Mobile Housing Authority

151 S. Claiborne Street

Mobile, AL 36602

Executive Director: Mr. Michael Pierce

Date Revised: 08-30-24



Tables of Contents

Utility Allowances Reports

- Detached - Single Family
- Mobile Homes
- Attached Homes, 2 or More Apts, One Level Building
- Attached Homes, 2 or More Apts, Two Level Building

Design Criteria

- Detached - Single Family
- Mobile Homes
- Attached Homes, 2 or More Apts, One Level Building
- Attached Homes, 2 or More Apts, Two Level Building

Methodology

- Establishing Tenant Allowances
- Annual Energy & Water Usage
- Utility Rates
- Calculating Dollar Amounts

UTILITY ALLOWANCE REPORTS

Mobile Housing Authority

151 S. Claiborne Street

Mobile, AL 36602

Executive Director: Mr. Michael Pierce

- * **Detached Homes - Single Family**
- * **Mobile Homes**
- * **Attached Homes, 2 or More Apts, One Level Building**
- * **Attached Homes, 2 or More Apts, Two Level Building**



DATE: 08-30-24

SECTION 8: ALLOWANCES FOR TENANT-FURNISHED UTILITIES AND OTHER SERVICES

AREA: Mobile Housing Authority

UNIT TYPE: Detached Homes, Single Family (Stand Alone)

UTILITY OR SERVICE	2.5 BR Monthly Amounts		Monthly Dollar Allowances					
	ccf, kWh, gals	(\$)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR
Heating:								
a. Propane Gas	12.1	\$ 39.18	\$ 20	\$ 27	\$ 35	\$ 43	\$ 55	\$ 63
b. Natural Gas - Spire	11.2	22.08	11	15	20	24	31	35
b. Natural Gas - So Ala Utilities	11.2	21.58	11	15	19	24	30	35
c. Elec Heat Pump	92	14.75	7	10	13	16	21	24
d. Elec Resistance	276	43.25	22	30	39	48	61	69
Air Conditioning:	127	20.92	10	15	19	23	29	33
Cooking:								
a. Propane Gas	9	28.07	14	20	25	31	39	45
b. Natural Gas - Spire	8	16.25	8	11	15	18	23	26
b. Natural Gas - So Ala Utilities	8	15.92	8	11	14	18	22	25
c. Electric	110	18.42	9	13	17	20	26	29
Other Electric:								
Lights, Ref, etc.	270	61.17	31	43	55	67	86	98
Water Heating:								
a. Propane Gas	20	65.50	33	46	59	72	92	105
b. Natural Gas - Spire	19	37.17	19	26	33	41	52	59
b. Natural Gas - So Ala Utilities	19	35.58	18	25	32	39	50	57
c. Electric	298	49.92	25	35	45	55	70	80
Water:								
Mobile Area W & S (Inside City)	7,336	n/a	14	22	29	35	40	46
Mobile Area W & S (Outside City)	7,336	n/a	19	31	41	49	57	64
So Ala Utilities	7,336	n/a	18	28	36	43	49	56
Grand Bay	7,336	n/a	24	33	42	49	56	63
Prichard	7,336	n/a	39	54	66	76	86	96
Mount Vernon	7,336	n/a	28	38	45	50	55	60
Sewer:								
Mobile Area W & S (Inside City)	7,336	n/a	31	51	68	82	95	109
Mobile Area W & S (Outside City)	7,336	n/a	43	72	95	114	133	152
So Ala Util. Citronelle	7,336	n/a	28	39	48	56	63	71
So Ala Util. Semmes	7,336	n/a	21	35	45	54	63	71
Prichard	7,336	n/a	37	55	69	81	93	104
Mount Vernon	7,336	n/a	40	40	40	40	40	40
NAT GAS CUSTOMER GHG - Spire		11.66	12	12	12	12	12	12
NAT GAS CUSTOMER GHG - So Ala Utilities		10.36	10	10	10	10	10	10
Garbage:								
City of Mobile ISCL, paid for through taxes	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Mobile County OSCL (Waste Pro)	47.00		47	47	47	47	47	47
So Ala Util, City of Citronelle - Standard Rate	20.25		20	20	20	20	20	20
So Ala Util, City of Citronelle - Sr. Citizen Rate	14.01		14	14	14	14	14	14
Mobile County, OSCL of Citronelle (Cash Sanitation)	25.00		25	25	25	25	25	25
City of Prichard ISCL	15.00		15	15	15	15	15	15
Mount Vernon ISCL	24.60		25	25	25	25	25	25
Range/Microwave (if Tenant Owned)	3.00		3	3	3	3	3	3
Refrigerator (if Tenant Owned)	4.00		4	4	4	4	4	4
ACTUAL FAMILY ALLOWANCES (To be used by family to compute allowance. Complete below for actual unit rented.)								
NAME OF FAMILY:							PER MONTH	
							COST	
ADDRESS OF UNIT:							Heating	\$
							Air Conditioning	\$
							Cooking	\$
							Other Electric	\$
							Water Heating	\$
							Water	\$
							Sewer	\$
							NAT GAS CUSTOMER GHG	\$
							Garbage Collection	\$
							Range/Microwave (if Tenant Owned)	\$
							Refrigerator (if Tenant Owned)	\$
							Other (Specify)	\$
							TOTAL	\$
NUMBER OF BEDROOMS:								

DATE: 08-30-24

SECTION 8: ALLOWANCES FOR TENANT-FURNISHED UTILITIES AND OTHER SERVICES

AREA: Mobile Housing Authority

UNIT TYPE: Mobile Homes

UTILITY OR SERVICE	2.5 BR Monthly Amounts		Monthly Dollar Allowances						
	ccf, kWh, gals	(\$)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	
Heating:									
a. Propane Gas	13.0	\$ 41.81	\$ 21	\$ 29	\$ 38	\$ 46	\$ 59	\$ 67	
b. Natural Gas - Spire	11.9	23.50	12	16	21	26	33	38	
b. Natural Gas - So Ala Utilities	11.9	23.00	12	16	21	25	32	37	
c. Elec Heat Pump	97	15.58	8	11	14	17	22	25	
d. Elec Resistance	293	45.83	23	32	41	50	64	73	
Air Conditioning:	169	28.17	14	20	25	31	39	45	
Cooking:									
a. Propane Gas	9	28.07	14	20	25	31	39	45	
b. Natural Gas - Spire	8	16.25	8	11	15	18	23	26	
b. Natural Gas - So Ala Utilities	8	15.92	8	11	14	18	22	25	
c. Electric	110	18.42	9	13	17	20	26	29	
Other Electric:									
Lights, Ref, etc.	270	61.17	31	43	55	67	86	98	
Water Heating:									
a. Propane Gas	20	65.50	33	46	59	72	92	105	
b. Natural Gas - Spire	19	37.17	19	26	33	41	52	59	
b. Natural Gas - So Ala Utilities	19	35.58	18	25	32	39	50	57	
c. Electric	298	49.92	25	35	45	55	70	80	
Water:									
Mobile Area W & S (Inside City)	7,336	n/a	14	22	29	35	40	46	
Mobile Area W & S (Outside City)	7,336	n/a	19	31	41	49	57	64	
So Ala Utilities	7,336	n/a	18	28	36	43	49	56	
Grand Bay	7,336	n/a	24	33	42	49	56	63	
Prichard	7,336	n/a	39	54	66	76	86	96	
Mount Vernon	7,336	n/a	20	38	45	50	55	60	
Sewer:									
Mobile Area W & S (Inside City)	7,336	n/a	31	51	68	82	95	109	
Mobile Area W & S (Outside City)	7,336	n/a	43	72	95	114	133	152	
So Ala Util. Citronelle	7,336	n/a	28	39	48	56	63	71	
So Ala Util. Semmes	7,336	n/a	21	35	45	54	63	71	
Prichard	7,336	n/a	37	55	69	81	93	104	
Mount Vernon	7,336	n/a	40	40	40	40	40	40	
NAT GAS CUSTOMER GHG - Spire	11.66		12	12	12	12	12	12	
NAT GAS CUSTOMER GHG - So Ala Utilities	10.36		10	10	10	10	10	10	
Garbage:									
City of Mobile ISCL, paid for through taxes	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
Mobile County OSCL (Waste Pro)	47.00		47	47	47	47	47	47	
So Ala Util, City of Citronelle - Standard Rate	20.25		20	20	20	20	20	20	
So Ala Util, City of Citronelle - Sr. Citizen Rate	14.01		14	14	14	14	14	14	
Mobile County, OSCL of Citronelle (Cash Sanitation)	25.00		25	25	25	25	25	25	
City of Prichard ISCL	15.00		15	15	15	15	15	15	
Mount Vernon ISCL	24.60		25	25	25	25	25	25	
Range/Microwave (if Tenant Owned)	3.00		3	3	3	3	3	3	
Refrigerator (if Tenant Owned)	4.00		4	4	4	4	4	4	
ACTUAL FAMILY ALLOWANCES (To be used by family to compute allowance. Complete below for actual unit rented.)									
NAME OF FAMILY:			UTILITY OR SERVICE						PER MONTH
			COST						
ADDRESS OF UNIT:			Heating						\$
			Air Conditioning						\$
			Cooking						\$
			Other Electric						\$
			Water Heating						\$
			Water						\$
			Sewer						\$
			NAT GAS CUSTOMER GHG						\$
			Garbage Collection						\$
			Range/Microwave (if Tenant Owned)						\$
			Refrigerator (if Tenant Owned)						\$
			Other (Specify)						\$
NUMBER OF BEDROOMS:			TOTAL						\$

SECTION 8: ALLOWANCES FOR TENANT-FURNISHED UTILITIES AND OTHER SERVICES

AREA: Mobile Housing Authority

UNIT TYPE: Attached Homes, 2 or More Apts; One Level Bldg

UTILITY OR SERVICE	2.5 BR Monthly Amounts		Monthly Dollar Allowances					
	ccf; kWh, gals	(\$)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR
Heating:								
a. Propane Gas	8.0	\$ 25.73	\$ 13	\$ 18	\$ 23	\$ 28	\$ 36	\$ 41
b. Natural Gas - Spire	7.3	14.50	7	10	13	16	20	23
b. Natural Gas - So Ala Utilities	7.3	14.08	7	10	13	15	20	23
c. Elec Heat Pump	60	9.67	5	7	9	11	14	15
d. Elec Resistance	178	27.92	14	20	25	31	39	45
Air Conditioning:	132	22.00	11	15	20	24	31	35
Cooking:								
a. Propane Gas	9	28.07	14	20	25	31	39	45
b. Natural Gas - Spire	8	16.25	8	11	15	18	23	26
b. Natural Gas - So Ala Utilities	8	15.92	8	11	14	18	22	25
c. Electric	110	18.42	9	13	17	20	26	29
Other Electric:								
Lights, Ref, etc.	270	61.17	31	43	55	67	86	98
Water Heating:								
a. Propane Gas	20	65.50	33	46	59	72	92	105
b. Natural Gas - Spire	19	37.17	19	26	33	41	52	59
b. Natural Gas - So Ala Utilities	19	35.58	18	25	32	39	50	57
c. Electric	298	49.92	25	35	45	55	70	80
Water:								
Mobile Area W & S (Inside City)	7,336	n/a	14	22	29	35	40	46
Mobile Area W & S (Outside City)	7,336	n/a	19	31	41	49	57	64
So Ala Utilities	7,336	n/a	18	28	36	43	49	56
Grand Bay	7,336	n/a	24	33	42	49	56	63
Prichard	7,336	n/a	39	54	66	76	86	96
Mount Vernon	7,336	n/a	28	38	45	50	55	60
Sewer:								
Mobile Area W & S (Inside City)	7,336	n/a	31	51	68	82	95	109
Mobile Area W & S (Outside City)	7,336	n/a	43	72	95	114	133	152
So Ala Util. Citronelle	7,336	n/a	28	39	48	56	63	71
So Ala Util. Semmes	7,336	n/a	21	35	45	54	63	71
Prichard	7,336	n/a	37	55	69	81	93	104
Mount Vernon	7,336	n/a	40	40	40	40	40	40
NAT GAS CUSTOMER GHG - Spire		11.66	12	12	12	12	12	12
NAT GAS CUSTOMER GHG - So Ala Utilities		10.36	10	10	10	10	10	10
Garbage:								
City of Mobile ISCL, paid for through taxes	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mobile County OSCL (Waste Pro)	47.00	47	47	47	47	47	47	47
So Ala Util, City of Citronelle - Standard Rate	20.25	20	20	20	20	20	20	20
So Ala Util, City of Citronelle - Sr. Citizen Rate	14.01	14	14	14	14	14	14	14
Mobile County, OSCL of Citronelle (Cash Sanitation)	25.00	25	25	25	25	25	25	25
City of Prichard ISCL	15.00	15	15	15	15	15	15	15
Mount Vernon ISCL	24.60	25	25	25	25	25	25	25
Range/Microwave (if Tenant Owned)	3.00	3	3	3	3	3	3	3
Refrigerator (if Tenant Owned)	4.00	4	4	4	4	4	4	4
ACTUAL FAMILY ALLOWANCES (To be used by family to compute allowance. Complete below for actual unit rented.)								
NAME OF FAMILY:								
ADDRESS OF UNIT:								
NUMBER OF BEDROOMS:								
			UTILITY OR SERVICE					
			PER MONTH COST					
			Heating					
			Air Conditioning					
			Cooking					
			Other Electric					
			Water Heating					
			Water					
			Sewer					
			NAT GAS CUSTOMER GHG					
			Garbage Collection					
			Range/Microwave (if Tenant Owned)					
			Refrigerator (if Tenant Owned)					
			Other (Specify)					
			TOTAL					

SECTION 8: ALLOWANCES FOR TENANT-FURNISHED UTILITIES AND OTHER SERVICES

DATE: 08-30-24

AREA: Mobile Housing Authority

UNIT TYPE: Attached Homes, 2 or More Apts; Multi-Level Bldg.

UTILITY OR SERVICE	2.5 BR Monthly Amounts		Monthly Dollar Allowances					
	ccf, kWh, gals	(\$)	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR
Heating:								
a. Propane Gas	5.6	\$ 18.13	\$ 9	\$ 13	\$ 16	\$ 20	\$ 25	\$ 29
b. Natural Gas - Spire	5.2	10.67	5	7	10	12	15	17
b. Natural Gas - So Ala Utilities	5.2	10.25	5	7	9	11	14	16
c. Elec Heat Pump	47	7.67	4	5	7	8	11	12
d. Elec Resistance	138	21.75	11	15	20	24	30	35
Air Conditioning:	125	20.67	10	14	19	23	29	33
Cooking:								
a. Propane Gas	9	28.07	14	20	25	31	39	45
b. Natural Gas - Spire	8	16.25	8	11	15	18	23	26
b. Natural Gas - So Ala Utilities	8	15.92	8	11	14	18	22	25
c. Electric	110	18.42	9	13	17	20	26	29
Other Electric:								
Lights, Ref, etc.	270	61.17	31	43	55	67	86	98
Water Heating:								
a. Propane Gas	20	65.50	33	46	59	72	92	105
b. Natural Gas - Spire	19	37.17	19	26	33	41	52	59
b. Natural Gas - So Ala Utilities	19	35.58	18	25	32	39	50	57
c. Electric	298	49.92	25	35	45	55	70	80
Water:								
Mobile Area W & S (Inside City)	7,336	n/a	14	22	29	35	40	46
Mobile Area W & S (Outside City)	7,336	n/a	19	31	41	49	57	64
So Ala Utilities	7,336	n/a	18	28	36	43	49	56
Grand Bay	7,336	n/a	24	33	42	49	56	63
Prichard	7,336	n/a	39	54	66	76	86	96
Mount Vernon	7,336	n/a	28	38	45	50	55	60
Sewer:								
Mobile Area W & S (Inside City)	7,336	n/a	31	51	68	82	95	109
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So Ala Util. Semmes	7,336	n/a	21	35	45	54	63	71
Prichard	7,336	n/a	37	55	69	81	93	104
Mount Vernon	7,336	n/a	40	40	40	40	40	40
NAT GAS CUSTOMER GHG - Spire		11.66	12	12	12	12	12	12
NAT GAS CUSTOMER GHG - So Ala Utilities		10.36	10	10	10	10	10	10
Garbage:								
City of Mobile ISCL, paid for through taxes	0.00		0.00	0.00	0.00	0.00	0.00	0.00
Mobile County OSCL (Waste Pro)	47.00		47	47	47	47	47	47
So Ala Util, City of Citronelle - Standard Rate	20.25		20	20	20	20	20	20
So Ala Util, City of Citronelle - Sr. Citizen Rate	14.01		14	14	14	14	14	14
Mobile County, OSCL of Citronelle (Cash Sanitation)	25.00		25	25	25	25	25	25
City of Prichard ISCL	15.00		15	15	15	15	15	15
Mount Vernon ISCL	24.60		25	25	25	25	25	25
Range/Microwave (if Tenant Owned)	3.00		3	3	3	3	3	3
Refrigerator (if Tenant Owned)	4.00		4	4	4	4	4	4
ACTUAL FAMILY ALLOWANCES (To be used by family to compute allowance. Complete below for actual unit rented.) NAME OF FAMILY: _____ ADDRESS OF UNIT: _____ NUMBER OF BEDROOMS: _____								
UTILITY OR SERVICE								PER MONTH
Heating								\$
Air Conditioning								\$
Cooking								\$
Other Electric								\$
Water Heating								\$
Water								\$
Sewer								\$
NAT GAS CUSTOMER GHG								\$
Garbage Collection								\$
Range/Microwave (if Tenant Owned)								\$
Refrigerator (if Tenant Owned)								\$
Other (Specify)								\$
TOTAL								\$

DESIGN CRITERIA

Mobile Housing Authority

151 S. Claiborne Street

Mobile, AL 36602

Executive Director: Mr. Michael Pierce



Section-8 Utility Allowance Design Criteria

Detached Homes - Single Family

WEATHER & DESIGN TEMPERATURES	
Inside Design Heating Temperature	68 degrees F
Inside Design Cooling Temperature	78 degrees F
Outside Design Heating Temperature	21 degrees F
Outside Design Cooling Temperature	94 degrees F

CONSTRUCTION TYPES		
Windows	Single Pane - Metal	1C
Doors	Wood - solid core	10D
Exterior Walls	R-7 insulation	R7
Attic	R-22 insulation	16E
Floors	Slab on grade w/ no insulation	22A
Air Infiltration	Air changes per hour: Winter 1.1 & Summer 0.55	

HEAT LOSS/ GAIN AREAS	
Windows	80 sf
Doors	40 sf
Net Exterior Wall	760 sf
Attic	750 sf
Floors	750 sf
Heated & Cooled Area	750 sf

HEATING & COOLING SYSTEMS	
Efficiencies:	
Gas (AFUE)	75%
Elec. Resistance	100%
Elec Heat Pump (COP @ 47F=3.10; COP @ 17F=2.08)	6.8
Elec. Cooling	10
HVAC Duct Loss/ Gain	8%/ 4%

Section-8 Utility Allowance Design Criteria

Mobile Homes

WEATHER & DESIGN TEMPERATURES		
Inside Design Heating Temperature	68 degrees F	
Inside Design Cooling Temperature	78 degrees F	
Outside Design Heating Temperature	21 degrees F	
Outside Design Cooling Temperature	94 degrees F	

CONSTRUCTION TYPES		
Windows	Single Pane - Metal	1C
Doors	Metal - Polystyrene	11C
Exterior Walls	R-7 insulation	MW1
Attic	R-14 insulation	MW2
Floors	Carpeted floor with R-11 insulation	MF5
Air Infiltration	Air changes per hour: Winter 1.0 & Summer 0.5	

HEAT LOSS/ GAIN AREAS		
Windows	80 sf	
Doors	40 sf	
Net Exterior Wall	952 sf	
Attic	750 sf	
Floors	750 sf	
Heated & Cooled Area	750 sf	

HEATING & COOLING SYSTEMS		
Efficiencies:		
Gas (AFUE)	75%	
Elec. Resistance	100%	
Elec Heat Pump	6.8	
(COP @ 47F=3.10; COP @ 17F=2.08)		
Elec. Cooling	10	

Section-8 Utility Allowance Design Criteria

Attached Homes - Single Level

Duplex and Row apts in a One-Level bldg

WEATHER & DESIGN TEMPERATURES		
Inside Design Heating Temperature	68 degrees F	
Inside Design Cooling Temperature	78 degrees F	
Outside Design Heating Temperature	21 degrees F	
Outside Design Cooling Temperature	94 degrees F	

CONSTRUCTION TYPES		
Windows	Single Pane - Metal	1C
Doors	Wood - solid core	10D
Exterior Walls	R-11 insulation	12C
Attic	R-19 insulation	16D
Floors	Slab on grade w/ no insulation	22A
Air Infiltration	Air changes per hour: Winter 1.0 & Summer 0.5	

HEAT LOSS/ GAIN AREAS		
Windows	80 sf	
Doors	40 sf	
Net Exterior Wall	532 sf	
Attic	750 sf	
Floors	80 ft	
Heated & Cooled Area	750 sf	

HEATING & COOLING SYSTEMS		
Efficiencies:		
Gas (AFUE)	75%	
Elec. Resistance	100%	
Elec Heat Pump	6.8	
(COP @ 47F=3.10; COP @ 17F=2.08)		
Elec. Cooling	10	
HVAC Duct Loss/ Gain	8%/ 4%	

Section-8 Utility Allowance Design Criteria

Attached Homes - Multi-Level

Apts. In a Bldg w/ 2 Levels, including Town Homes and Ground Level & Top Level Apts in a bldg w/ more than two levels

WEATHER & DESIGN TEMPERATURES	
Inside Design Heating Temperature	68 degrees F
Inside Design Cooling Temperature	78 degrees F
Outside Design Heating Temperature	21 degrees F
Outside Design Cooling Temperature	94 degrees F

CONSTRUCTION TYPES		
Windows	Single Pane - Metal	1C
Doors	Wood - solid core	10D
Exterior Walls	R-11 insulation	12C
Attic	R-19 insulation	16D
Floors	Slab on grade w/ no insulation	22A
Air Infiltration	Air changes per hour: Winter 1.0 & Summer 0.5	

HEAT LOSS/ GAIN AREAS	
Windows	80 sf
Doors	40 sf
Net Exterior Wall	532 sf
Attic	0* sf
Floors	80** ft
Heated & Cooled Area	750 sf
* Ground floor corner dwelling unit is the 'worst case'; therefore no attic area heat losses or gains	
** With Town Homes, only 40 feet of exposed slab is used.	

HEATING & COOLING SYSTEMS	
Efficiencies:	
Gas (AFUE)	75%
Elec. Resistance	100%
Elec Heat Pump	6.8
(COP @ 47F=3.10; COP @ 17F=2.08)	
Elec. Cooling	10

METHODOLOGY

Mobile Housing Authority
151 S. Claiborne Street
Mobile, AL 36602
Executive Director: Mr. Michael Pierce



Section-8 Utility Allowance Design Criteria

Methodology for Establishing Tenant Allowances for Utilities

The allowances were based on water, and energy for: cooking, water heating, and other electrical lighting, refrigeration, etc, as specified in Appendix 22 of HUD's Handbook 7420.7. Appendix 22 also specifies that energy for comfort heating and cooling shall be based on: how such homes are insulated, the average bin weather data for heating and cooling (or heating and cooling degree-days) for the community, and the design temperatures for the community. Comfort heating and cooling calculations were based on: 1) Air Conditioning Contractors of America's Manual J, Seven Edition (Load Calculation for Residential Winter and Summer Air Conditioning); and 2) American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE). Current utility rates were utilized to include all taxes, applicable fuel adjustments, and applicable rate adjustments. Below are the allowances as specified in Appendix 22 per dwelling-unit-month for a 2.5 bedroom dwelling unit except for space heating and cooling. (**Note revised "factors" for water usage.)

Monthly Consumption			
I. ELECTRICITY	Units	2.5 BR*	
a. Lighting, Refrigeration, Etc. (w/energy eff. Ref.)	KWH	269.67	
b. Cooking	KWH	110.00	
c. Domestic Hot Water (w/2.75 gpm shower head)	KWH	297.50	
d. Space Heating	KWH	**	
e. Space Cool	KWH	**	
II. NATURAL GAS & BOTTLE GAS			
a. Cooking	CCF	8.00	9.00 (P'Gas in gallons)
b. Domestic Hot Water (w/2.75 gpm shower head)	CCF	18.67	20.42 (P'Gas in gallons)
c. Space Heating	CCF	**	
III. FUEL OIL			
a. Domestic Hot Water (w/2.75 gpm shower head)	GALS	15.33	
b. Space Heating	GALS	**	
IV. WATER: (w/2.75 gpm shower head & 2.75 gpm water closet)	GALS	7337	

Notes:

* Other bedroom types were established by multiplying the calculated utility cost of the 2.5 Br unit by the following factors:

All utilities Except Water		Water***	
Size of Unit	Factor	Size of Unit	Factor
0-BR	0.5	0-BR	0.368
1-BR	0.7	1-BR	0.659
2-BR	0.9	2-BR	0.900
3-BR	1.1	3-BR	1.100
4-BR	1.4	4-BR	1.300
5-BR	1.6	5-BR	1.500
6-BR	1.8	6-BR	1.736

Tenant Utility Allowances also include allowances(s) where the tenants own their range and/or refrigerator. These allowances are based on HUD Handbook 7418.1 which includes average expenses for replacement, maintenance, and repairs (RM&R) based on the expected service life as follows:

Annual Expense Factors						
Appliance	Service Life (Years)	Replacement %	Maint/Repairs %	RM&R %	Initial Cost \$	Monthly Allowance \$
Range	10	8	3	11	300	3
Refrigerator*	10	8	5*	13	350	4

Note: * Refrigerator maintenance & repair factor was not included in HUD Handbook. The factor of (5) is the same as through-the-wall cooling unit in the HUD Handbook and General Electric Company's refrigerator manufacturing plant located in Decatur, AL was in general agreement with this factor.

Annual Energy & Water Usage not incl. Comfort Heating or Cooling

Section-8 Housing

Base Load: Includes lighting, energy efficient refrigerator, washing machine, iron, TV, radio, & other small appliances.

Electric (kWh)	Number of Bedrooms						
	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
	1,436	2,156	2,876	3,596	4,676	5,396	6,116

Water Heating: Includes bathing, shaving, shampoos, food preparation and dishwashing.
Allowances below reflect 2.75 gallons per minute shower head.

Bedrooms	Electric (kWh)	N'Gas (ccf)	B'Gas (gals)	Oil (gals)
0 BR	1,894	118	129	96
1 BR	2,565	160	176	132
2 BR	3,235	203	222	167
3 BR	3,905	245	268	201
4 BR	4,984	313	341	257
5 BR	5,654	355	388	292
6 BR	6,324	398	434	327

Cooking: Includes surface units and oven.

Bedrooms	Electric (kWh)	N'Gas (ccf)	B'Gas (gals)
0 BR	660	48	53
1 BR	924	67	74
2 BR	1,188	86	95
3 BR	1,452	106	116
4 BR	1,884	134	147
5 BR	2,112	154	168
6 BR	2,376	173	189

Water: Includes water closet, wash basin, bathtub, washing machine & dishwashing.
Allowances below reflect 2.75 gals/flush water closets, and 2.75 gals/min. shower head.

	Number of Bedrooms						
Units	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Gals (1000)	33.01	58.65	79.58	96.50	113.43	130.35	150.78

ELECTRICITY (Monthly Rate)**Alabama Power Company (www.southern.com)**

Service Charge: \$ 15.00 (14.50 + .50 NDR)

Base Allowance: 0 kWh

Winter: October thru May

\$0.126207 per kWh through 750 kWh

\$0.114207 per kWh for all over 750 kWh

Summer: June thru September

\$0.126207 per kWh through 1000 kWh

\$0.128736 per kWh for all over 1000 kWh

Rate Adj: 0.00%

Fuel Adj Winter: \$.031936 per kWh,

Fuel Adj Summer: \$.033388 per Kwh

Tax Rate: 5.80%

NATURAL GAS (Monthly Rates)**Spire Gas (Mobile Gas Service Corp) (251-476-8052)**

Service Charge: \$ 11.73

Base Allowance: 0 ccf

\$1.92265 per therm for the first 40 therms

\$1.83725 per therm for all over 40 therms

Purchased Gas Adj: \$.0 per therm

Tax Rate: 4.00%

South Alabama Utilities (251-866-2365 Paula Sullivan)

Service Charge: \$ 10.36

Base Allowance: 0 ccf

\$1.79 per therm for all usage

Purchased Gas Adj: included

Tax Rate: 7.00% (4.0 + 3.0)

BOTTLE GAS (Average Rate) Blossman 251-633-4800, Amerigas 251-653-8471, Parden 251-866-2479, eia.gov/propane
\$3.228 per gallon including tax**WATER (Monthly Rate)****Mobile Area Water & Sewer System (251-694-3100 or www.mawss.com)****Inside County:**

Service Charge: \$12.05

Base Allowance: 2500 gals

\$3.85 per 1000 gallons for all additional usage

Tax: 4.0%

Outside County: (1.4 x ISCL rate)

Service Charge: \$16.87

Base Allowance: 2500 gals

\$5.39 per 1000 gallons for all additional usage

Tax: 4.0%

South AL Utilities (251-649-1503 x 211 Ms. Hudson)

Service Charge: \$13.51

Base Allowance: 2000 gallons

\$4.38 per 1000 gallons for all additional use.

Tax: 7.0% (4.0 + 3.0)

City of Grand Bay (251-865-6450)

Service Charge: \$24.00

Base Allowance: 3000 gallons

\$5.00 per 1000 gallons over 3,000 gallons

Tax: 0.0%

Prichard Water Works & Sewer Bd (251-457-3396, x-105 Marie)

Service Charge: \$31.24

Base Allowance: 2,000 gallons

\$6.60 per 1,000 gallons for all additional usage

Tax Rate: 7.0% (4.0 + 3.0)

Mount Vernon Water (251-829-6632, Tina)

Service Charge: \$22.40

Base Allowance: 2,000 gallons

\$6.19 per 1000 gallons for the next 1000 gallons

\$4.44 per 1000 gallons for the next 1000 gallons

\$3.97 per 1000 gallons for the next 1000 gallons

\$3.65 per 1000 gallons for the next 1000 gallons

\$3.44 per 1000 gallons for all over 6000 gallons

Tax: 4.0%

SEWER (Monthly Rate)**Mobile Area Water & Sewer System (251-694-3100)****Inside County:**

Service Charge: \$ 28.23
Base Allowance: 2500 gals
\$9.62 per 1000 gallons for all additional usage
Tax: none

Outside County: (1.4 x ISCL rate)

Service Charge: \$39.52
Base Allowance: 2500 gals
\$13.47 per 1000 gallons for all additional usage
Tax: none

South AL Utilities - City of Citronelle (251-649-1503 x 211 Ms. Hudson)

Service Charge: \$13.38
Base Allowance: 0
\$5.29 per 1000 gallons for all usage
Tax: none

South AL Utilities - City of Semmes (251-649-1503 x 211 Ms. Hudson)

Service Charge: \$16.71
Base Allowance: 2000
\$6.17 per 1,000 gallons for all usage
Tax: none

Prichard Water Works & Sewer Bd (251-457-3396, x-105 Marie)

Service Charge: \$31.24
Base Allowance: 2,000 gallons
\$8.23 per 1,000 gallons for all additional usage
Tax: none

Mount Vernon Water (251-829-6632)

Service Charge: \$40.00 flat fee
Tax: none

GARBAGE (Monthly Rate, usually no tax on garbage)

City of Mobile (251-208-2941) Paid through taxes, no monthly charge:	\$ 0.00
Mobile County , outside city limits – Waste Pro3 (251-653-4774, 90.00/Qtr + fuel + envir fees = 140.00/Qtr):	\$47.00
So Ala Utilities, City of Citronelle (251-866-2365, x-113, Ron Robinson):	\$20.25
So Ala Utilities, City of Citronelle Sr. Citizen Rate: “ “	\$14.01
Mobile County outside city limits of Citronelle (City of Citronelle 251-866-7973, Cash Sanitation, 251-649-7160) (Sample Address - 19474 Magnolia St./Apt. E, Citronelle)	\$20.25
City of Prichard (251-452-7841 Town Clerk)	\$15.00
Mount Vernon City (251-829-6631)	\$24.60

Methodology for Calculating Dollar Amounts

Section-8 Housing

I. Electricity Dollar Amounts for each supplier were developed as follows:

Dollar amounts for electricity were developed for each of the following using current electricity rates. The difference between each calculation determines the amount for each of the six (6) items in the matrix as follows:

- | | |
|--|----------------------|
| 1) Other Electric (lights, refrigerator, etc. including Customer Service Charge.) | |
| 2) Other Electric (lights, refrigerator, etc) and | |
| 3) Other Electric (lights, refrigerator, etc. Cooking) and | Cooking |
| 4) Other Electric (lights, refrigerator, etc. Cooking, Water Heating) and | Water Heating |
| 5) Other Electric (lights, refrigerator, etc. Cooking, Water Heating, Heating) and | Heating |
| 6) Other Electric (lights, refrigerator, etc. Cooking, Water Heating, Heating) and | Cooling |
| | Heating w/ Heat Pump |

II. Natural Gas Dollar Amounts for each supplier were developed as follows:

- 1) Gas Cooking
- 2) Gas Cooking, and Water Heating
- 3) Gas Cooking, Water Heating, and Heating
- 4) Gas Customer Service Charge

III. Propane Gas, Water, Sewer, And Garbage Dollar Amounts for each supplier were developed as follows:

- 1) These did not require a matrix in order to arrive at the proper dollar amount for each utility.

Note:

Page 2 of 4 entitled 'Annual Energy and Water Usage not Including Comfort Heating or Cooling'.

These numbers are specified in Appendix 22 of HUD's Handbook 7420.7, and are the same for each building type. Only the comfort heating and cooling usage is different and is calculated for each building type (i.e. Attached multi-level, attached one-level, detached, and mobile homes) based on a typical dwelling unit as outlined in the 'Utility Allowance Methodology' (pg. 1-3) which includes exposed areas, thermal characteristics, and the heating/cooling efficiencies. Then the average local weather data (as furnished by a governmental agency) and local utility rates are utilized to calculate the dollar allowances for each utility service individually as outlined in terms I, II, & III above.