

The Housing Authority of the City of Lakeland Request for Board Action

1. Describe Board Action Requested and why it is necessary:

Re: Resolution # 21-1499

The Board of Commissioners is requested to approve the above-referenced resolution to authorize revisions to the current utility allowance schedule for both the Public Housing and the Housing Choice Voucher participants.

2. Who is making request:

A. Entity: The Housing Authority of the City of Lakeland

B. Project: Implement the annual utility allowance schedules for participants in the Public Housing and HCV programs effective April 1 2021.

C. Originator: Carlos Pizarro

3. Cost Estimate:

N/A

Narrative:

The U.S. Department of Housing and Urban Development requires the Lakeland Housing Authority to review its utility allowances annually. The review shall include all changes in circumstances involved with completion of modernization and/or other energy conservation measures implemented by the Lakeland Housing Authority which would lead to a change in reasonable consumption requirements and changes in utility rates.

The utility allowance survey method is the preferred method of obtaining current utility rates and charges for the Public Housing and Section 8 Housing Choice Voucher programs. The outcome of this study enables the Lakeland Housing Authority to update the current utility allowance schedule.

Resident Life Utility Allowances, a division of The Nelrod Company, was selected as the consulting firm for the utility allowance study. The Nelrod Company has over twenty years of experience in federal, state, and local government consulting services in the following areas:

- Financial Management and Capital Fund Program
- Agency Plans and Policies
- PHAS
- SEMAP

- HQS
- Family Self Sufficiency
- Reasonable Rent Determination
- Utility Allowances
- Energy Audits
- Physical Needs Assessments

Based on previous experience and work history, the Lakeland Housing Authority engaged the *Resident Life Utility Allowances* firm to conduct the utility allowance study for the Public Housing program and Section 8 participants.

OBJECTIVE

The objective of the study was to update the utility allowances with current utility supplier rates and charges for electricity, natural gas, water and sewer from the City, County, and other jurisdictions. The methodology used to analyze the current utility allowances included a review of Monthly Consumption Allowances, Rate Information Gathering, Computation of Consumption Costs, submission of Section 8 and Public Housing HUD Forms, gathering Supporting Documentation, and implementing the updated allowances **within 90 days of approval.**

PRESENT SITUATION

The Lakeland Housing Authority has a current utility allowance schedule that will be updated with the new utility allowance schedule (please see attached forms) based on the *Resident Life Utility Allowances* survey. The summary of the complete survey, including a comparison of current allowance with the proposed allowances, is attached to this resolution.

ANTICIPATED OUTCOME

By approving this Resolution, the Lakeland Housing Authority will be able to implement the updated utility allowances for its programs and become compliant with the U.S. Department of Housing and Urban Development mandated utility allowance regulation 24 CFR 965.507 (b).

WHO BENEFITS

The Public Housing residents and the Section 8 participants being serviced by the Lakeland Housing Authority will directly benefit from the updated utility allowance schedule.

RESOLUTION NO. 21-1499

APPROVAL OF THE REVISED PUBLIC HOUSING AND HOUSING CHOICE VOUCHER UTILITY ALLOWANCE SCHEDULES

WHEREAS, the Housing Authority of the City of Lakeland is required by the United States Department of Housing and Urban Development to ensure that its Public Housing program and its Housing Choice Voucher (Section 8) program review and, if necessary, update the utility allowances for program participants on an annual basis; and

WHEREAS, after a study was conducted to review the Housing Authority of the City of Lakeland's utility allowance schedules, and

WHEREAS, it was determined that it is necessary to make adjustments to the Housing Authority of the City of Lakeland utility allowance schedules.

NOW, THEREFORE, BE IT RESOLVED that the Board of Commissioners of the Housing Authority of the City of Lakeland hereby approves the updated Public Housing utility allowance schedules and Housing Choice Voucher (Section 8) utility allowance schedules to become effective on April 1, 2021 and/or implementing effective ninety (90) days from the approval date for annual certifications.

CERTIFICATE OF COMPLIANCE

This is to certify that the Board of Commissioners of the Housing Authority of the City of Lakeland has approved and adopted Resolution No. 21-1499, dated March 15, 2021.

Attested by:



Benjamin Stevenson, Secretary



Michael A. Pimentel, Chairman

Utility Allowance Schedule

See Public Reporting and Instructions on back.

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing

OMB Approval
No. 25577-0169
exp.7/31/2022

The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

Date (mm/dd/yyyy): 04/01/2021

Locality: Lakeland Housing Authority, FL		Unit Type: Multi-Family (High-Rise/Apartment/Row House/Townhouse/Semi-Detached/Duplex)				
Utility or Service:	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR
Monthly Dollar Allowances						
Heating						
a. Natural Gas	\$10.00	\$13.00	\$13.00	\$13.00	\$14.00	\$14.00
b. Bottle Gas/Propane	\$43.00	\$53.00	\$53.00	\$53.00	\$57.00	\$57.00
c. Electric (avg)	\$6.00	\$7.00	\$7.00	\$8.00	\$9.00	\$9.00
d. Electric Heat Pump (avg)	\$5.00	\$5.00	\$7.00	\$7.00	\$8.00	\$9.00
e. Oil						
Cooking						
a. Natural Gas	\$4.00	\$4.00	\$6.00	\$8.00	\$10.00	\$11.00
b. Bottle Gas/Propane	\$14.00	\$14.00	\$24.00	\$33.00	\$43.00	\$48.00
c. Electric (avg)	\$5.00	\$5.00	\$8.00	\$10.00	\$13.00	\$15.00
Other Electric & Cooling						
Other Electric (Lights & Appliances) (avg)	\$18.00	\$21.00	\$29.00	\$37.00	\$45.00	\$53.00
Air Conditioning (avg)	\$15.00	\$18.00	\$25.00	\$31.00	\$38.00	\$45.00
Water Heating						
a. Natural Gas	\$8.00	\$9.00	\$13.00	\$17.00	\$20.00	\$24.00
b. Bottle Gas/Propane	\$33.00	\$38.00	\$53.00	\$67.00	\$81.00	\$100.00
c. Electric (avg)	\$10.00	\$12.00	\$15.00	\$19.00	\$22.00	\$25.00
d. Oil						
Water, Sewer, Trash Collection						
Water (avg)	\$18.00	\$19.00	\$23.00	\$27.00	\$32.00	\$37.00
Sewer (avg)	\$39.00	\$40.00	\$46.00	\$52.00	\$58.00	\$63.00
Trash Collection (avg)	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00
Tenant-supplied Appliances						
Range / Microwave Tenant-supplied	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Refrigerator Tenant-supplied	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00
Other--specify: Monthly Charges						
Electric Charge \$11.67 (avg)	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00
Natural Gas Charge \$12.54	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
Actual Family Allowances		Utility or Service		per month cost		
To be used by the family to compute allowance. Complete below for the actual unit rented.		Heating		\$		
		Cooking		\$		
Name of Family		Other Electric		\$		
		Air Conditioning		\$		
		Water Heating		\$		
Address of Unit		Water		\$		
		Sewer		\$		
		Trash Collection		\$		
		Range / Microwave		\$		
		Refrigerator		\$		
		Other		\$		
Number of Bedrooms		Other		\$		
		Total		\$		



Utility Allowance Schedule

U.S. Department of Housing and Urban Development
Office of Public and Indian Housing

OMB Approval
No. 25577-0169
exp.7/31/2022

See Public Reporting and Instructions on back.

The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

Date (mm/dd/yyyy): 04/01/2021

Locality: Lakeland Housing Authority, FL		Unit Type: Single-Family (Detached House/Mobile Home)				
Utility or Service:	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR
Monthly Dollar Allowances						
Heating						
a. Natural Gas	\$15.00	\$18.00	\$18.00	\$19.00	\$19.00	\$20.00
b. Bottle Gas/Propane	\$62.00	\$72.00	\$72.00	\$76.00	\$76.00	\$81.00
c. Electric (avg)	\$9.00	\$11.00	\$11.00	\$12.00	\$13.00	\$14.00
d. Electric Heat Pump (avg)	\$7.00	\$8.00	\$9.00	\$11.00	\$12.00	\$13.00
e. Oil						
Cooking						
a. Natural Gas	\$4.00	\$4.00	\$6.00	\$8.00	\$10.00	\$11.00
b. Bottle Gas/Propane	\$14.00	\$14.00	\$24.00	\$33.00	\$43.00	\$48.00
c. Electric (avg)	\$5.00	\$5.00	\$8.00	\$10.00	\$13.00	\$15.00
Other Electric & Cooling						
Other Electric (Lights & Appliances) (avg)	\$26.00	\$31.00	\$42.00	\$54.00	\$66.00	\$78.00
Air Conditioning (avg)	\$12.00	\$14.00	\$31.00	\$48.00	\$65.00	\$82.00
Water Heating						
a. Natural Gas	\$9.00	\$10.00	\$15.00	\$20.00	\$24.00	\$29.00
b. Bottle Gas/Propane	\$38.00	\$43.00	\$62.00	\$81.00	\$100.00	\$119.00
c. Electric (avg)	\$13.00	\$15.00	\$19.00	\$23.00	\$27.00	\$31.00
d. Oil						
Water, Sewer, Trash Collection						
Water (avg)	\$18.00	\$19.00	\$23.00	\$27.00	\$32.00	\$37.00
Sewer (avg)	\$39.00	\$40.00	\$46.00	\$52.00	\$58.00	\$63.00
Trash Collection (avg)	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00	\$20.00
Tenant-supplied Appliances						
Range / Microwave Tenant-supplied	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00	\$11.00
Refrigerator Tenant-supplied	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00
Other--specify: Monthly Charges						
Electric Charge \$11.67 (avg)	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00	\$12.00
Natural Gas Charge \$12.54	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00	\$13.00
Actual Family Allowances		Utility or Service		per month cost		
To be used by the family to compute allowance. Complete below for the actual unit rented.		Heating		\$		
		Cooking		\$		
Name of Family		Other Electric		\$		
		Air Conditioning		\$		
		Water Heating		\$		
		Water		\$		
Address of Unit		Sewer		\$		
		Trash Collection		\$		
		Range / Microwave		\$		
		Refrigerator		\$		
		Other		\$		
Number of Bedrooms		Other		\$		
		Total		\$		



March 2020

Utility Allowances

LAKELAND HOUSING AUTHORITY

Lakeland, Florida



UPDATE REPORT

PUBLIC HOUSING

UTILITY ALLOWANCE SURVEY AND STUDY

The **Nelrod** Company®

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April 24, 2019

Idalia Gonzalez, Senior Program Manager
Lakeland Housing Authority
430 Hartsell Avenue
Lakeland, FL 33815

Re: Public Housing Utility Allowances Update Report -2020

Dear Ms. Gonzalez:

ResidentLife Utility Allowances® is pleased to enclose the draft Public Housing Utility Allowances Update Report - March 2020. Please see the Survey and Study Results section of the study analysis for details of changes.

ResidentLife Utility Allowances is putting our seal of compliance on the work we perform for your agency certifying that we have developed your Utility Allowances in compliance with HUD Regulations and guidelines. **We recommend that you post your adopted utility allowance schedule(s) on your webpage. We have made this process easy for you by providing, by email, an electronic version of your currently updated Utility Allowances in a pdf format that is ready to upload directly to your website.** This format displays our Seal of Certified Compliance assuring residents, Agency staff, HUD representatives, or other interested parties, that an approved method was used to efficiently and accurately develop your utility allowances and that the utility allowances are current.

As a reminder, HUD regulations (24CFR965-507(b)) state that, "adjustments to resident payments as a result of such changes" (adjustments made due to a result of rate changes of 10% or more) agencies do not have to comply with the sixty (60) day notice (and comment period) requirement of §965.502(c)." A 30-day notice will suffice.

Please note that notice of the availability of relief from surcharges or payment of utility supplier billings in excess of the allowances for resident-purchased utilities should be included in each notice to residents given in accordance with §965.502(c) and in the information given to new residents upon admission.

Please carefully review this draft report for any identifiable problems, changes, corrections, and/or special needs and let me know if you have any changes or questions as soon as possible. If no changes are requested this report will serve as a final report as well. **Please see the attached Closure Acceptance Statement, sign and return as soon as possible.** You can contact me at (817) 922-9000 ext 139 or cheryl@nelrod.com. It is a pleasure working with your agency.

Sincerely,



Cheryl Lord
Director, ResidentLife Utility Allowances®

Enclosure

Disclaimer: ResidentLife Utility Allowances® will make any necessary corrections to work previously performed prior to submission of final report. It is important to note that many local communities have different rate structures, weather patterns, types of charges, etc. ResidentLife Utility Allowances® has made every effort to be as accurate as possible, but will not be held responsible for changes involving different methodologies, rate structures, regulatory changes, omission and/or misinformation of cost calculation data from utility providers, selection of most advantageous cost calculation methodology in areas with multiple costing methods, and inaccurate allowances resulting from lack of information or data not provided by the agency.

3301 West Freeway
Fort Worth, TX 76107



Phone: 817-922-9000
Fax: 817-922-9100

Email: ResidentLife@nelrod.com – Website: www.nelrod.com

Closure Acceptance Statement

ResidentLife Utility Allowances Director

Re: Public Housing Utility Allowances Update Report -2020

Upon signing this Closure Statement I, _____, on behalf of the **Lakeland Housing Authority, FL** acknowledge receipt of the draft survey study report.

I, or a member of our agency staff, have reviewed this draft report and have requested edits, changes or additions if needed. Our agency now accepts this survey study report as final. This does not mean that we will adopt these results as our Agency's actual allowances.

Signed

Signature

Title

Print Name

Date

**Please sign and return within 30 days
fax to: (817) 922-9100 or email to cheryl@nelrod.com**

Job #1769-RU-013

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OBJECTIVES AND METHODOLOGY

OBJECTIVES AND METHODOLOGY

PUBLIC HOUSING ANNUAL UPDATE 2020

This study was conducted in compliance with the Public Housing Utility Allowance HUD Regulations 24CFR 965, Subpart E – Resident Allowances for Utilities, and HUD’s Utility Allowance Guidebook.

Utility Rate Comparison

Prior to beginning this update study for the **Lakeland Housing Authority, FL**, as required by HUD regulations 24 CFR 965.507(b), a comparison (annual review) was made of the utility rates and charges (**dated: May 2019**) utilized in the development of the currently adopted utility allowances and the current utility rates and charges (**dated: March 2020**). This comparison indicated that **Lakeland Electric’s** electric rates decreased 6%, and the monthly charge and taxes remained the same. The **City of Lakeland’s** water rates increased a total of 10%, the monthly charge increased 5%, and taxes remained the same. Sewer rates and charges increased a total of 4%. (See “Comparison of Previous and Current Utility Rates” in Support Documentation section of this report.) Since the utility provider’s **rates** have changed more than 10%, the utility allowances will be adjusted. This does not mean that **utility allowances** will change by the actual percentage values listed above.

Objective

The objective of this survey and study is to update utility allowances with current utility provider’s rates and charges for electric, water, and sewer for the **Lakeland Housing Authority, FL**. The Agency has 139 dwelling units at 4 developments where residents pay some or all of these utilities. This study includes 6 schedules due to different building types per development. At two of the developments, residents pay electric, water, and sewer utilities. At the two remaining developments residents pay electric and sewer utilities. Additionally, all of the developments now have one or more of the following energy efficient items: windows, heat pumps, water heaters, insulation, 100% LED lighting, and/or water saving appliances. These allowances are based upon a reasonable consumption, from a previous engineering method study of an energy conservative family of modest circumstances and to provide for the basic essentials needed for a living environment that is safe, sanitary and healthful.

Methodology

The following steps were taken by a utility allowance specialist to accomplish the above objective.

1. Obtaining Current Utility Rates and Charges

The following information was obtained by a rate specialist and input in the Utility Providers Residential Rates and Charges document:

- a. Documentation on current residential **electric** rates and charges from **Lakeland Electric** through their internet website and telephone inquiries.
- b. Documentation on current residential **water and sewer** rates and charges from the **City of Lakeland** through their internet website and telephone inquiries.

Residents do not pay for natural gas or trash collection utilities/services.

2. Comparison of Utility Rates

A rate specialist created charts comparing the previously applied electric, water, and sewer rates and charges for each provider (May 2019) to the current utility rates and charges (March 2020). These charts calculate a percentage difference in utility rates.

Then the rate specialist analyzed the rate comparisons and emailed the draft charts to the Agency with a recommendation to adjust current utility allowances due to a greater than 10% change in utility rates and charges (HUD regulations 24 CFR 965.507(b)).

3. Data Gathering

a. Currently Adopted Utility Allowances

We utilized a copy of proposed monthly Utility Allowances from previous study since the Agency did adopt those proposed utility allowances.

b. Monthly Utility Consumption Averages

In a previous study models of the Agency's Public Housing units were created by qualified licensed professionals, and consumption averages were obtained using an engineering method. The consumption averages that were affected by weather conditions were climatically adjusted with a 30-year Heating Degree Day factor (see explanation of factor below).

Since the average base consumptions developed in a previous study will not be adjusted, we gathered and utilized a copy of these monthly consumptions for back-up documentation to this study.

Note: HUD regulations for Public Housing (24 CFR 965.505 (e)) do not allow for air conditioning in the utility allowances, therefore air conditioning consumptions were eliminated from the consumption totals.

c. *Climatic Data*

In a previous study climatic data was gathered for the City of **Tampa, Florida** (Annual Summary report 2017) from the National Oceanographic and Atmospheric Administration National Climatic Data Center (NCDC). Tampa is the nearest location with recorded data. This data is used to develop a 30-year Heating Degree Day (HDD) factor that is then applied to the average winter heating consumption totals to make additional adjustments and normalize the consumptions.

The 30-year Heating Degree Day (HDD) factor did not change and is **2.89**.

Since this factor is still the same the consumptions were not adjusted.

4. *Utility Allowance Adjustments*

The following process was conducted by a utility allowance specialist:

- a. Updated the **electric** Cost of Consumption calculation charts, from the previous study, for each development and applicable bedroom size with **Lakeland Electric's** current utility rates and charges. A weighted average was then calculated and applied to the utility allowance totals.
- b. Updated the **water and sewer** Cost of Consumption calculation charts, from the previous study, for each applicable development and applicable bedroom size with the **City of Lakeland's** current utility rates and charges.

Residents do not pay for natural gas or trash collection utilities/services.

The updated utility allowances were entered into Chart 1 – Proposed Monthly Utility Allowances, found in the Survey and Study Results section of this report.

5. *Utility Allowance Schedule*

Utility Allowance Schedules are not subject to approval by HUD before becoming effective, but will be reviewed in the course of audits or reviews of Agency operations (24 CFR 965.502(d)).

6. *Comparison of Current and Proposed Utility Allowances*

A comparison of the Agency's currently adopted utility allowances and the proposed allowances from this study is provided. (See Chart 2, found in the Survey and Study Results section of this report, for the comparison.)

7. *Notification, Display and Comment Period*

Per HUD regulations (24 CFR 965.502(c)), "adjustments to resident payments as a result of such changes" (adjustments made due to a result of rate changes of 10% or more) "shall be retroactive to the first day of the last rate change taken into account in such revision became effective. Such rate changes **shall not be subject to the sixty (60) day notice requirement of §965.502(c).**"

8. *Support Documentation*

Per HUD regulations (24 CFR 965.502(b)) the Agency must maintain a record that documents the basis on which allowances and scheduled surcharges, and revisions thereof, are established and revised. Such record shall be available for inspection by residents (24 CFR 965.502(c)).

This report contains a copy of all such supporting documentation.

9. *Annual Update*

HUD regulations (24 CFR 965.207) state that housing authorities shall **review allowances at least annually** and revise allowances established if there has been a **10% increase or decrease** in utility rate and charges. If an annual adjustment is not made to the current utility allowances, the agency must monitor utility rates and charges to see if a rate has changed, by itself or together with prior rate change, not adjusted for, resulting in a change of 10% or more since the last utility allowance update. This interim adjustment helps Agencies avoid costly back charges and rent

adjustments. ResidentLife Utility Allowances[®] provides a quarterly Rate Monitoring Service.

10. *Individual Relief*

We have included Individual Relief Medical Equipment Allowances in the Survey and Study Results section of this report.

Please note that notice of the availability of relief from surcharges or payment of utility provider billings in excess of the allowances for resident-purchased utilities should be included in each notice to residents given in accordance with §965.502(c) and in the information given to new residents upon admission. Agencies should have written procedures regarding Individual Relief in their Admission and Continued Occupancy (ACOP) policies.

SURVEY AND STUDY RESULTS

SURVEY AND STUDY RESULTS

PUBLIC HOUSING ANNUAL UPDATE 2020

The HUD Regulation (24 CFR 965.507(a) & (b)) requirement of a comparison of the utility providers' rates and charges was conducted and indicated **a greater than 10% change in utility rates and charges** since the 2019 study was conducted. (Refer to page 2, Utility Rate Comparison, and/or Comparison of Previous and Current Utility Rates in the Support Documentation section of this report.) Therefore, the **Lakeland Housing Authority, FL** is updating utility allowances for electricity, water, and sewer for their Public Housing (Conventional) developments where residents pay some or all of these utilities. At two of the developments, residents pay electric, water, and sewer utilities. At the two remaining developments residents pay electric and sewer utilities. Additionally, all of the developments now have one or more of the following energy efficient items: windows, heat pumps, water heaters, insulation, 100% LED lighting, and/or water saving appliances. The proposed utility allowances are shown in Chart 1 on the following pages.

This study was conducted in compliance with the Public Housing Utility Allowance HUD Regulations 24CFR 965, Subpart E – Resident Allowances for Utilities.

Comparison of Utility Allowances

A comparison of the Agency's currently adopted Public Housing monthly utility allowances (effective date: May 2019) and the proposed monthly utility allowances from this study are shown in Chart 2. The chart is broken down by development, building type, and bedroom size.

Results of Utility Allowance Comparison

Chart 2 shows decreases in proposed utility allowances for all developments and for all bedroom sizes. Decreases are \$1.00 and \$2.00 and are due to a reduction in Lakeland Electric's rates. Note that the increase in electric allowances offset the decrease in water and sewer allowances.



LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

PROPOSED MONTHLY UTILITY ALLOWANCES
Chart 1

UPDATE 2020

Building Type: Row House/Townhouse

Westlake (All Electric) (EE Equip: WH,Ins)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$53.00	\$62.00	\$73.00		
Water		\$18.00	\$23.00	\$28.00		
Sewer		\$30.00	\$40.00	\$49.00		
Totals		\$101.00	\$125.00	\$150.00		

Building Type: Semi-Detached/Duplex

Westlake (All Electric) (EE Equip: WH,Ins)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$56.00	\$65.00	\$76.00		
Water		\$18.00	\$23.00	\$28.00		
Sewer		\$30.00	\$40.00	\$49.00		
Totals		\$104.00	\$128.00	\$153.00		

Building Type: Row House/Townhouse

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)			\$60.00	\$70.00		
Water			\$20.00	\$24.00		
Sewer			\$34.00	\$41.00		
Totals			\$114.00	\$135.00		

A monthly average cost of the summer and winter adjustments were used for the electric costs.

L&A= Lights & Appliances
H= Space Heating
WH= Water Heating
C= Cooking

EE Equip= Energy Efficient Equipment
Win= Windows
Win-V= Windows Vinyl
HP= Heat Pump
Ins= Insulation
WS= Water Saving Appliances
LED= 100% LED Lighting

Note: Public Housing utility allowances are calculated similar to the method used by each utility provider. These allowances are not calculated by end use (like Section 8 HCV), but by total usage for each utility type. Utility providers' monthly charges are included in the calculations.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

Building Type: Semi-Detached/Duplex

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)			\$63.00	\$73.00		
Water			\$20.00	\$24.00		
Sewer			\$34.00	\$41.00		
Totals			\$117.00	\$138.00		

Building Type: Row House/Townhouse

Cecil Gober (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$51.00				
Sewer		\$28.00				
Totals		\$79.00				

Building Type: Semi-Detached/Duplex

Micro Cottage at Williamstown (All Electric) (EE Equip: Win-V,WH,Ins,WS,LED)	OBR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$53.00	\$61.00			
Sewer		\$28.00	\$34.00			
Totals		\$81.00	\$95.00			

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

COMPARISON OF CURRENT AND PROPOSED UTILITY ALLOWANCES
Chart 2

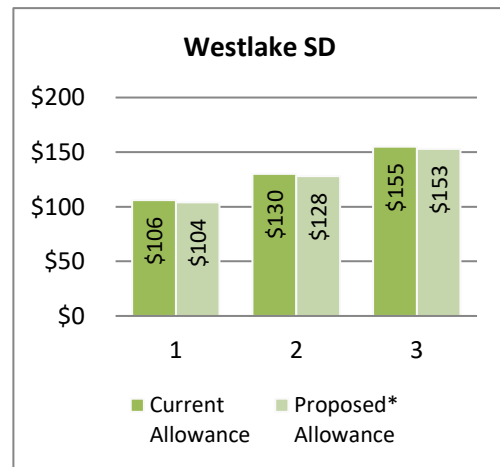
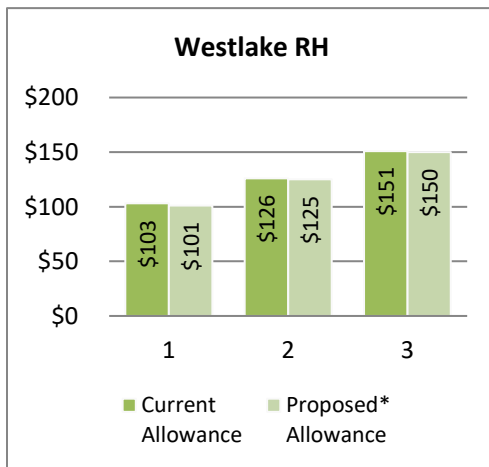
UPDATE 2020

Development	Bedroom Size	Current Allowance	Proposed* Allowance	Difference**
Westlake (All Electric) (Row House)	1	\$103.00	\$101.00	-\$2.00
	2	\$126.00	\$125.00	-\$1.00
	3	\$151.00	\$150.00	-\$1.00
Westlake (All Electric) (Semi-Detached)	1	\$106.00	\$104.00	-\$2.00
	2	\$130.00	\$128.00	-\$2.00
	3	\$155.00	\$153.00	-\$2.00
John Wright (Row House) (All Electric)	2	\$115.00	\$114.00	-\$1.00
	3	\$136.00	\$135.00	-\$1.00
John Wright (Semi-Detached) (All Electric)	2	\$118.00	\$117.00	-\$1.00
	3	\$140.00	\$138.00	-\$2.00
Cecil Gober (All Electric)	1	\$80.00	\$79.00	-\$1.00
Micro Cottage at Williamstown (All Electric)	1	\$82.00	\$81.00	-\$1.00
	2	\$97.00	\$95.00	-\$2.00

Proposed allowances include the average for electric summer and winter months.

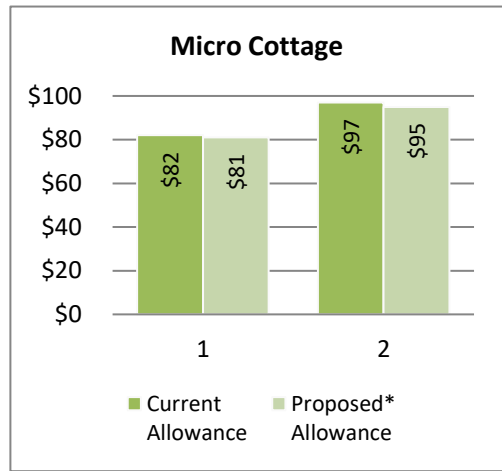
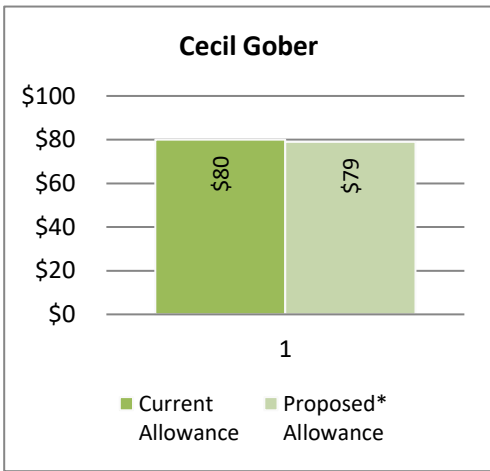
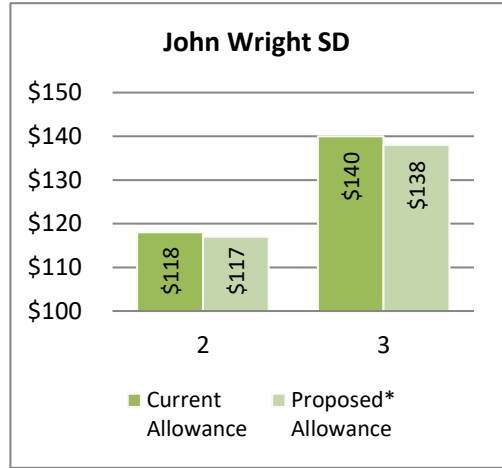
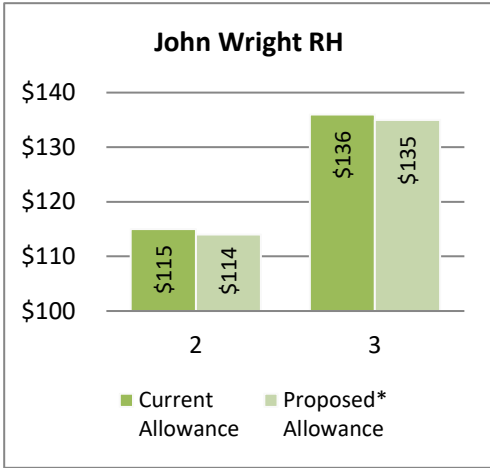
*Proposed allowances were rounded to the nearest dollar.

**After rounding.



LAKELAND HOUSING AUTHORITY, FL

PUBLIC HOUSING



Individual Relief
Medical Equipment Allowances
Electric Provider: Lakeland Electric

Item	Hours per Day	Wattage	Monthly kWh	Energy Charge	Utility Allowance
Oxygen Concentrator	18	400	219	0.08652	\$19.00
Nebulizer	2	75	5	0.08652	\$1.00
Electric Hospital Bed	0.2	200	1	0.08652	\$1.00
Alternating Pressure Pad	24	70	51	0.08652	\$4.00
Low Air-Loss Mattress	24	120	88	0.08652	\$8.00
Power Wheelchair/Scooter	3	360	33	0.08652	\$3.00
CPAP Machine	10	30	9	0.08652	\$1.00

Oxygen Concentrator

Use per day varies, assume 12-14 hours a day.
The 5-Liter model uses 400 W, the 3-Liter model uses 320 W.

Nebulizer

A medicine delivery system used mostly for pediatric care.
Used 4-6 times a day for 20 minutes at a time at 75W.

Semi/Fully Electric Hospital Bed

Use depends on adjustments. 200 W.

Alternating Pressure Pad

An air-filled mattress overlay.
Used 24 hours a day for someone who is bed-ridden.

Low Air-Loss Mattress

Takes the place of mattress - air -filled pressurized mattress.
Cycles air around every 15-20 minutes.

Power Wheelchairs and Scooters

Need to be charged approximately 8 hours every 3 days.
Batteries are 120 V, 3 Amp, 360 W.

Feeding Tube Pump (Continuous Feed)

A pump delivers a constant amount of formula throughout the day or night.

CPAP Machine

Used for Sleep Apnea. Machines run only at night for people who have a tendency to stop breathing at night. At maximum pressure use is 40 Watts. On average - 30 Watts.

Leg Compression Pump

Provides intensive compression therapy. Use varies, generally from 8-24 hours daily.

Dialysis Machine/Equipment (Small/Portable)

Filters a patient's blood to remove excess water and waste products. Used 2 hours daily.

MONTHLY CONSUMPTION TOTALS & BUILDING TYPE DESCRIPTIONS

LAKELAND HOUSING AUTHORITY, FL

PUBLIC HOUSING

MONTHLY UTILITY CONSUMPTION TOTALS

Consumptions developed in a previous study using an engineering method - 2018
 (Heating consumptions climatically adjusted with a 30-year HDD factor - 2017)
 (Water consumptions based on national averages.)

Building Type: Row House/Townhouse

Westlake (All Electric) (EE Equip: WH,Ins)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)		387	472	568		
Electricity (kWh) W(L&A,H,WH,C)		592	721	883		
Water (gallons)		2673	4819	6965		

Residents pay sewer.

Building Type: Semi-Detached/Duplex

Westlake (All Electric) (EE Equip: WH,Ins)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)		409	498	599		
Electricity (kWh) W(L&A,H,WH,C)		638	776	955		
Water (gallons)		2673	4819	6965		

Residents pay sewer.

Building Type: Row House/Townhouse

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)			472	568		
Electricity (kWh) W(L&A,H,WH,C)			579	704		
Water (gallons)			3522	5052		

Residents pay sewer.

L&A= Lights & Appliances
 H= Space Heating
 WH= Water Heating
 C= Cooking

EE Equip= Energy Efficient Equipment
 Win= Windows
 Win-V= Windows Vinyl
 HP= Heat Pump
 Ins= Insulation
 WS= Water Saving Appliances
 LED= 100% LED Lighting
 S= Summer
 W= Winter

Summer: February - November (10), Winter: December - January (2)
 Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

Building Type: Semi-Detached/Duplex

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)			498	599		
Electricity (kWh) W(L&A,H,WH,C)			619	752		
Water (gallons)			3522	5052		

Residents pay sewer.

Building Type: Row House/Townhouse

Cecil Gober (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)		387				
Electricity (kWh) W(L&A,H,WH,C)		425				
Sewer (gallons)		1992				

Building Type: Semi-Detached/Duplex

Micro Cottage at Williamstown (All Electric) (EE Equip: Win-V,WH,Ins,WS,LED)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (kWh) S(L&A,WH,C)		388	472			
Electricity (kWh) W(L&A,H,WH,C)		536	651			
Sewer (gallons)		1992	3522			

Building Type (Structure) Descriptions

1. **Apartment/Walk-Up/Condominium/Garden Apartment/Low-Rise/Flat (Apt)**

- a. Building with a group of 3 individual **units** with common walls; attached to other units; separate entrances, and may have common staircases.
- b. Each **building** may have an end unit, inside unit, top unit, bottom unit, etc. **Building** will have 2 or more stories.
- c. Usually, but not always, there will be units on both sides of building.

2. **High Rise Apartment (H-R)**

A multi-unit building; 5 or more stories; sharing one or more common entrances. May have an elevator.

3. **Row House/Townhouse/Triplex/Fourplex/Multiplex (RH)**

- a. An individual unit attached to other individual units; 2 or more common walls; separate ground level entrances; 1 or 2 story **units**.
- b. Each building will have end units and inside units.
- c. Fourplex units usually share 2 common walls; can be square-shaped or L-shaped.
- d. Triplex building can be V-shaped.

4. **Semi-Detached/Duplex (S-D or SD)**

Building with 2 individual housing units; with separate entrances; one common wall; 1 or 2 story units.

5. **Detached House (DH)**

A detached building intended to house one family; sits on its own piece of land; not attached to another dwelling.

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

Westlake (All Electric)

Building Type: Row House/Townhouse

Monthly Average Unit Consumption kWh for all bedroom types - Summer	0BR	1BR	2BR	3BR	4BR	5BR
Customer Charge Per Month \$11.00		\$11.00	\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516		\$33.48	\$40.84	\$49.14		
<i>Subtotal</i>		\$44.48	\$51.84	\$60.14		
Total Taxes % of Total 12.5%		\$5.56	\$6.48	\$7.52		
Total Monthly Cost - Summer		\$50.04	\$58.32	\$67.66		

Monthly Average Unit Consumption kWh for all bedroom types - Winter	0BR	1BR	2BR	3BR	4BR	5BR
Customer Charge Per Month \$11.00		\$11.00	\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516		\$51.22	\$62.38	\$76.39		
<i>Subtotal</i>		\$62.22	\$73.38	\$87.39		
Total Taxes % of Total 12.5%		\$7.78	\$9.17	\$10.92		
Total Monthly Cost - Winter		\$70.00	\$82.55	\$98.31		

Averaging Months	0BR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10		\$500.40	\$583.20	\$676.60		
Winter Annual Avg 2		\$140.00	\$165.10	\$196.62		
Total Monthly Cost (Based on Annual Average)		\$53.37	\$62.36	\$72.77		

Summer: February - November (10), Winter: December - January (2)
Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

Westlake (All Electric)

Building Type: Semi-Detached/Duplex

Monthly Average Unit	0BR	1BR	2BR	3BR	4BR	5BR
Consumption kWh for all bedroom types - Summer		409	498	599		
Customer Charge Per Month \$11.00		\$11.00	\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516		\$35.39	\$43.08	\$51.82		
<i>Subtotal</i>		\$46.39	\$54.08	\$62.82		
Total Taxes % of Total 12.5%		\$5.80	\$6.76	\$7.85		
Total Monthly Cost - Summer		\$52.19	\$60.84	\$70.67		

Monthly Average Unit	0BR	1BR	2BR	3BR	4BR	5BR
Consumption kWh for all bedroom types - Winter		638	776	955		
Customer Charge Per Month \$11.00		\$11.00	\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516		\$55.20	\$67.14	\$82.62		
<i>Subtotal</i>		\$66.20	\$78.14	\$93.62		
Total Taxes % of Total 12.5%		\$8.28	\$9.77	\$11.70		
Total Monthly Cost - Winter		\$74.48	\$87.91	\$105.32		

Averaging Months	0BR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10		\$521.90	\$608.40	\$706.70		
Winter Annual Avg 2		\$148.96	\$175.82	\$210.64		
Total Monthly Cost (Based on Annual Average)		\$55.91	\$65.35	\$76.45		

Summer: February - November (10), Winter: December - January (2)
Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

John Wright (All Electric)

Building Type: Row House/Townhouse

Monthly Average Unit Consumption kWh for all bedroom types - Summer	0BR	1BR	2BR	3BR	4BR	5BR
			472	568		
Customer Charge Per Month \$11.00			\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516			\$40.84	\$49.14		
<i>Subtotal</i>			\$51.84	\$60.14		
Total Taxes % of Total 12.5%			\$6.48	\$7.52		
Total Monthly Cost - Summer			\$58.32	\$67.66		

Monthly Average Unit Consumption kWh for all bedroom types - Winter	0BR	1BR	2BR	3BR	4BR	5BR
			579	704		
Customer Charge Per Month \$11.00			\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516			\$50.09	\$60.91		
<i>Subtotal</i>			\$61.09	\$71.91		
Total Taxes % of Total 12.5%			\$7.64	\$8.99		
Total Monthly Cost - Winter			\$68.73	\$80.90		

Averaging Months	0BR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10			\$583.20	\$676.60		
Winter Annual Avg 2			\$137.46	\$161.80		
Total Monthly Cost (Based on Annual Average)			\$60.06	\$69.87		

Summer: February - November (10), Winter: December - January (2)
Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

John Wright (All Electric)

Building Type: Semi-Detached/Duplex

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Summer			498	599		
Customer Charge Per Month \$11.00			\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516			\$43.08	\$51.82		
<i>Subtotal</i>			\$54.08	\$62.82		
Total Taxes % of Total 12.5%			\$6.76	\$7.85		
Total Monthly Cost - Summer			\$60.84	\$70.67		

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Winter			619	752		
Customer Charge Per Month \$11.00			\$11.00	\$11.00		
Total Energy Charges (0-1000) Per KWH 0.086516			\$53.55	\$65.06		
<i>Subtotal</i>			\$64.55	\$76.06		
Total Taxes % of Total 12.5%			\$8.07	\$9.51		
Total Monthly Cost - Winter			\$72.62	\$85.57		

Averaging Months	0BR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10			\$608.40	\$706.70		
Winter Annual Avg 2			\$145.24	\$171.14		
Total Monthly Cost (Based on Annual Average)			\$62.80	\$73.15		

Summer: February - November (10), Winter: December - January (2)
Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

Cecil Gober (All Electric)

Building Type: Row House/Townhouse

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Summer		387				
Customer Charge Per Month \$11.00		\$11.00				
Total Energy Charges (0-1000) Per KWH 0.086516		\$33.48				
<i>Subtotal</i>		\$44.48				
Total Taxes % of Total 12.5%		\$5.56				
Total Monthly Cost - Summer		\$50.04				

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Winter		425				
Customer Charge Per Month \$11.00		\$11.00				
Total Energy Charges (0-1000) Per KWH 0.086516		\$36.77				
<i>Subtotal</i>		\$47.77				
Total Taxes % of Total 12.5%		\$5.97				
Total Monthly Cost - Winter		\$53.74				

Averaging Months	0BR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10		\$500.40				
Winter Annual Avg 2		\$107.48				
Total Monthly Cost (Based on Annual Average)		\$50.66				

Summer: February - November (10), Winter: December - January (2)
 Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

ELECTRICITY - Lakeland Electric

UPDATE 2020

Micro Cottages at Williamstown
(All Electric)

Building Type: Semi-Detached/Duplex

	OBR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Summer		388	472			
Customer Charge Per Month \$11.00		\$11.00	\$11.00			
Total Energy Charges (0-1000) Per KWH 0.086516		\$33.57	\$40.84			
<i>Subtotal</i>		\$44.57	\$51.84			
Total Taxes % of Total 12.5%		\$5.57	\$6.48			
Total Monthly Cost - Summer		\$50.14	\$58.32			

	OBR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption kWh for all bedroom types - Winter		536	651			
Customer Charge Per Month \$11.00		\$11.00	\$11.00			
Total Energy Charges (0-1000) Per KWH 0.086516		\$46.37	\$56.32			
<i>Subtotal</i>		\$57.37	\$67.32			
Total Taxes % of Total 12.5%		\$7.17	\$8.42			
Total Monthly Cost - Winter		\$64.54	\$75.74			

Averaging Months	OBR	1BR	2BR	3BR	4BR	5BR
Summer Annual Avg 10		\$501.40	\$583.20			
Winter Annual Avg 2		\$129.08	\$151.48			
Total Monthly Cost (Based on Annual Average)		\$52.54	\$61.22			

Summer: February - November (10), Winter: December - January (2)
 Seasons based on climatic data.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

WATER & SEWER - City of Lakeland

UPDATE 2020

Westlake (All Electric)

All Building Types

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption gallons for all bedroom types - Water		2673	4819	6965		
Water Fixed Charge Per Month \$10.15		\$10.15	\$10.15	\$10.15		
Water Consumption Rate (0-7000) Per 1000 gallons \$2.23		\$5.96	\$10.75	\$15.53		
<i>Subtotal</i>		\$16.11	\$20.90	\$25.68		
Municipal Public Service Tax % of Total 10%		\$1.61	\$2.09	\$2.57		
Total Monthly Average Cost		\$17.72	\$22.99	\$28.25		

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption gallons for all bedroom types - Sewer		2673	4819	6965		
Wastewater Fixed Charge Per Month \$19.03		\$19.03	\$19.03	\$19.03		
Wastewater Vol Chg (0-12000 max) Per 1000 gallons \$4.26		\$11.39	\$20.53	\$29.67		
Total Monthly Average Cost		\$30.42	\$39.56	\$48.70		

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

UTILITY ALLOWANCE COST OF CONSUMPTION CALCULATIONS

WATER & SEWER - City of Lakeland

UPDATE 2020

Building Type: Row House/Townhouse &

John Wright (All Electric)

Semi-Detached/Duplex

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption gallons for all bedroom types - Water			3522	5052		
Water Fixed Charge Per Month \$10.15			\$10.15	\$10.15		
Water Consumption Rate (0-7000) Per 1000 gallons \$2.23			\$7.85	\$11.27		
<i>Subtotal</i>			\$18.00	\$21.42		
Municipal Public Service Tax % of Total 10%			\$1.80	\$2.14		
Total Monthly Average Cost			\$19.80	\$23.56		

John Wright, Cecil Gober, & Micro Cottage at Williamstown (All Electric)

	0BR	1BR	2BR	3BR	4BR	5BR
Monthly Average Unit Consumption gallons for all bedroom types - Sewer		1992	3522	5052		
Wastewater Fixed Charge Per Month \$19.03		\$19.03	\$19.03	\$19.03		
Wastewater Vol Chg (0-12000 max) Per 1000 gallons \$4.26		\$8.49	\$15.00	\$21.52		
Total Monthly Average Cost		\$27.52	\$34.03	\$40.55		

Includes water saving equipment.

SUPPORT DOCUMENTATION

UTILITY PROVIDER RATES AND CHARGES

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

Utility Providers Residential Rates and Charges
As of March 2020

UPDATE 2020

ELECTRICITY

Source: Lakeland Electric

863-834-9535

www.lakelandelectric.com*

Year Round			RS
Customer Charge	Per Month	\$11.00	
Tiers*		0 - 1000	
Energy Charge*	Per KWH	0.05085	
Fuel Charge	Per KWH	0.03275	
Environmental Compliance Cost Charge	Per KWH	0.0027763	
Smart Grid Project Implementation	Per KWH	0.00014	
Total Energy Charges	Per KWH	0.08652	
Florida Gross Receipts Tax	% of Total	2.5%	
Municipal Public Service Tax	% of Total	10%	
Total Taxes	% of Total	12.5%	

WATER & SEWER

Source: City of Lakeland

520-466-3082

www.lakelandgov.net*

Water			
Water Fixed Meter Charge	Per Month	\$10.15	
Tiers*		0 - 7000	7001 - 12000
Water Consumption Rate*	Per 1000 Gallons	\$2.23	\$2.73
Municipal Public Service Tax	% of Total	10%	
Sewer			
Wastewater Fixed Charge	Per Month	\$19.03	
Tiers*		0 - 12000 max	
Wastewater Volume Charge*	Per 1000 Gallons	\$4.26	

UTILITY PROVIDER DOCUMENTATION

Florida Gross Receipts Tax on Utility Services

(Chapter 203, Florida Statutes)

Tax is imposed at the rate of 2.5% on gross receipts from the sale, delivery, or transportation of natural gas, manufactured gas, or electricity to a retail consumer in Florida.

Tax due on the sale or transportation of natural or manufactured gas to retail consumers in Florida is computed by multiplying the quantity sold or transported by the appropriate index prices and then applying the 2.5% gross receipts tax rate. [Index prices](#) used by distribution companies to calculate the gross receipts tax due on the sale or transportation of natural or manufactured gas to retail consumers are adjusted yearly.

Registration

You can [register to report and pay tax](#) using our Internet site.

Distribution Company. Each distribution company that receives payment for the sale or transportation of natural or manufactured gas or electricity to a retail consumer in Florida must register with the Department of Revenue to report and pay gross receipts tax on utility services.

A "distribution company" is any person owning or operating local electric, or natural or manufactured gas, utility distribution facilities within Florida for the transmission, delivery, and sale of electricity or natural or manufactured gas. The term does not include natural gas transmission companies that are subject to the jurisdiction of the Federal Energy Regulatory Commission.

Use Tax. Any person who imports into Florida electricity, natural gas, or manufactured gas, or severs natural gas for his or her own use as a substitute for purchasing utility, transportation, or delivery services taxable under Chapter 203, F.S., who cannot prove payment of tax, must register and report and pay gross receipts tax. Tax is applied to the "cost price" of electricity as provided in s. 212.02(4), F.S.

Cogeneration or Small Power Producers must report and pay gross receipts tax.

Municipal Public Service Tax Database as of 12/20/2019

AUBURNDALE	POLK	ELECTRIC	10.00%
AUBURNDALE	POLK	FUEL OIL\KEROSENE	10.00%
AUBURNDALE	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
AUBURNDALE	POLK	GAS: MANUFACTURED	10.00%
AUBURNDALE	POLK	GAS: NATURAL	10.00%
AUBURNDALE	POLK	WATER	10.00%
BARTOW	POLK	ELECTRIC	10.00%
BARTOW	POLK	FUEL OIL\KEROSENE	0.00%
BARTOW	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
BARTOW	POLK	GAS: MANUFACTURED	10.00%
BARTOW	POLK	GAS: NATURAL	10.00%
BARTOW	POLK	WATER	10.00%
HAINES CITY	POLK	ELECTRIC	10.00%
HAINES CITY	POLK	FUEL OIL\KEROSENE	10.00%
HAINES CITY	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
HAINES CITY	POLK	GAS: MANUFACTURED	10.00%
HAINES CITY	POLK	GAS: NATURAL	10.00%
HAINES CITY	POLK	WATER	10.00%
LAKELAND	POLK	ELECTRIC	10.00%
LAKELAND	POLK	FUEL OIL\KEROSENE	\$.04/gal
LAKELAND	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
LAKELAND	POLK	GAS: MANUFACTURED	10.00%
LAKELAND	POLK	GAS: NATURAL	10.00%
LAKELAND	POLK	WATER	10.00%
LAKE WALES	POLK	ELECTRIC	10.00%
LAKE WALES	POLK	FUEL OIL\KEROSENE	\$.04/gal \ \$.05/gal
LAKE WALES	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
LAKE WALES	POLK	GAS: MANUFACTURED	10.00%
LAKE WALES	POLK	GAS: NATURAL	10.00%
LAKE WALES	POLK	WATER	10.00%
WINTER HAVEN	POLK	ELECTRIC	10.00%
WINTER HAVEN	POLK	FUEL OIL\KEROSENE	10.00%
WINTER HAVEN	POLK	GAS: LIQUEFIED PETROLEUM	10.00%
WINTER HAVEN	POLK	GAS: MANUFACTURED	10.00%
WINTER HAVEN	POLK	GAS: NATURAL	10.00%
WINTER HAVEN	POLK	WATER	10.00%

Municipal Public Service Tax

Municipal public service tax is locally imposed and administered by municipalities and charter counties under Chapter 166, Florida Statutes. The only responsibility of the Florida Department of Revenue is to gather tax data from local governments imposing the tax and provide it to the public. The Department depends on each taxing authority to ensure the information is accurate.

Municipal public service tax is levied on six utility services: natural gas, LP gas, manufactured gas, electric, water, and fuel oil/kerosene. A municipality or charter county must report tax information if it does not provide the utility service itself or through a separate authority, board, or commission. It is required to report the tax rate, effective date and a contact name.

Local governments who self-administer utility services are **not** required to report tax levy information or changes to the Department of Revenue. However, if they do share this information with the Department, it will appear in the database.

This information is updated monthly and appears as reported to the Department. The data is current as of **October 25, 2016**. Please note:

- A blank space in the data means the information was not reported to the Department of Revenue.
- A zero (0) means no tax is imposed.
- "s/a" means the utility service is administered by the municipality or its separate authority, board, or commission.

Municipalities and charter counties can download the Municipal Public Service Tax Database Report ([Form DR-700001](#)) to submit changes.

[[Questions and Answers](#) | [Report Technical Problems](#) | [Help with Downloading Files](#) | [Privacy Notice](#)]

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RATE SCHEDULE RS
RESIDENTIAL SERVICE

Rate RS
Page 1 of 1

Available:

In all territory served by Lakeland Electric

Applicable:

To all electric service provided to single family homes, mobile homes, apartments, condominiums, or cooperative apartment buildings where such energy usage is exclusively for residential purposes subject to the following requirements.

1. 100% of the energy used is exclusively for the Customer's benefit.
2. None of the energy is used in any endeavor which sells or rents a commodity or provides service for a fee.
3. Each point of delivery will be separately metered and billed.
4. A responsible legal entity is established as the Customer to whom a bill can be rendered.
5. Beginning January 1, 2016 new solar electric systems interconnected with Lakeland Electric shall take service under Rate Schedule RSD. Existing customers as of this date may maintain service under this rate scheduled through December 31, 2025.

Character of Service:

A-C; 60 Hertz; single phase 3 wire; 120/240 volts or 120/208 volts.

Limitation of Service:

Standby service or resale not permitted under this rate schedule.

Net Rate per Month:

Customer Charge:	\$11.00
Energy Charge:	
0 to 1,000 kWh	5.085¢ per kWh
1,001 to 1,500 kWh	5.805¢ per kWh
above 1,500 kWh	6.415¢ per kWh

Minimum Bill: Customer charge, plus Adjustments.

Adjustments:

Fuel charge, as contained in Schedule BA-1
City Utility Tax or Surcharge, taxes, surcharges, and fees as contained in Schedule BA-2
Environmental Compliance Cost Charge as contained in Schedule BA-3
Smart Grid Project Implementation as contained in Schedule BA-5

Payment:

Net bills are due when rendered and are delinquent thirty (30) days after the billing date.

Terms and Conditions:

1. All Service hereunder will be supplied at one location through one point of delivery and measured through one meter.
2. Service hereunder is subject to the rules and regulations for electric service as adopted by Lakeland Electric from time to time and on file with the City Clerk.



RATE SCHEDULE BA-1
 FUEL CHARGE

Rate BA-1
 Page 2 of 3

(Continued from Sheet No. 14.0)

In accordance with Fuel charge BA-1, the tables that follow provide an accounting of several years of historical fuel changes:

Historical Levelized and Two-Period Shift-to-Save Fuel Charges						
Effective		Levelized Rate ¢/kWh	On-Peak %	Off-Peak %	On-Peak ¢/kWh	Off-Peak ¢/kWh
Year	Month					
2008	APR	6.3800				
2008	JUL	7.2700				
2008	OCT	6.5900				
2009	JAN	6.0900				
2009	APR	5.6900				
2009	JUL	5.4750	122.0%	88.6%	6.6795	4.8509
2009	OCT	5.4250	122.0%	88.6%	6.6185	4.8066
2010	JAN	5.5050	122.0%	88.6%	6.7161	4.8774
2010	APR	5.7600	122.0%	88.6%	7.0272	5.1034
2010	JUL	5.1250	122.0%	88.6%	6.2525	4.5408
2010	OCT	5.3150	122.0%	88.6%	6.4843	4.7091
2011	JAN	5.2500	122.0%	88.6%	6.4050	4.6515
2011	APR	5.0500	122.0%	88.6%	6.1610	4.4743
2011	JUL	5.0650	122.0%	88.6%	6.1793	4.4876
2011	OCT	4.9900	122.0%	88.6%	6.0878	4.4211
2012	JAN	4.4200	118.3%	90.0%	5.2289	3.9780
2012	APR	3.8600	118.3%	90.0%	4.5664	3.4740
2012	JUL	4.2300	118.3%	90.0%	5.0041	3.8070
2012	OCT	4.2800	118.3%	90.0%	5.0632	3.8520
2013	JAN	4.225	118.3%	90.0%	4.9982	3.8025
2013	APR	4.1350	118.3%	90.0%	4.8917	3.7215
2013	OCT	4.0850	118.3%	90.0%	4.8326	3.6765
2014	FEB	4.0850	113.2%	93.3%	4.6242	3.8113
2014	MAY	4.3350	113.2%	93.3%	4.9072	4.0446
2014	AUG	4.5850	113.2%	93.3%	5.1902	4.2778
2015	JUL	4.4850	113.2%	93.3%	5.0770	4.1845
2015	OCT	4.3850	113.2%	93.3%	4.9638	4.0912
2016	JAN	4.0350	118.8%	91.0%	4.7936	3.6719
2016	APR	3.7000	118.8%	91.0%	4.3956	3.3670
2016	JUL	3.4250	118.8%	91.0%	4.0689	3.1168
2017	APR	3.7750	118.8%	91.0%	4.4847	3.4353
2017	JUL	3.8750	118.8%	91.0%	4.6035	3.5263
2018	APR	4.0750	118.8%	91.0%	4.8411	3.7083
2018	OCT	3.8750	118.8%	91.0%	4.6035	3.5263
2019	APR	3.7500	118.8%	91.0%	4.4550	3.4125
2019	JUL	3.6500	118.8%	91.0%	4.3362	3.3215
2019	OCT	3.2750	118.8%	91.0%	3.8907	2.9803

RATE SCHEDULE BA-3
ENVIRONMENTAL COMPLIANCE COST CHARGE

Rate BA-3
Page 1 of 1

The environmental compliance cost charge (EC3) is to recover cost of complying with environmental regulations where such costs are not included in other rate schedules. Acceptable costs for the EC3 include:

- In-service rate-funded environmental capital investments
- Debt service associated with the financing of debt-funded environmental projects
- Operating and Maintenance expenses necessary to meet environmental laws and regulations
- Fuel and purchase power costs not included in Rate Schedule BA-1
- Emission allowances

Rates shall be calculated annually. The City Commission shall by resolution establish the EC3. The annual rate change shall be effective with the first billing cycle of the fiscal year.

Actual expenses from the prior year shall be subject to true-up calculations.

The table below provides an historical accounting of recent environmental charges.

Historical Changes		
Year	Month	¢/kWh
2007	Apr	0.10100
2007	Nov	0.14107
2008	Nov	0.16707
2009	Oct	0.27175
2010	Nov	0.25585
2011	Oct	0.24560
2012	Oct	0.23480
2013	Oct	0.26830
2014	Oct	0.33270
2015	Oct	0.25329
2016	Oct	0.25329
2017	Oct	0.21099
2018	Oct	0.21099
2019	Oct	0.27763



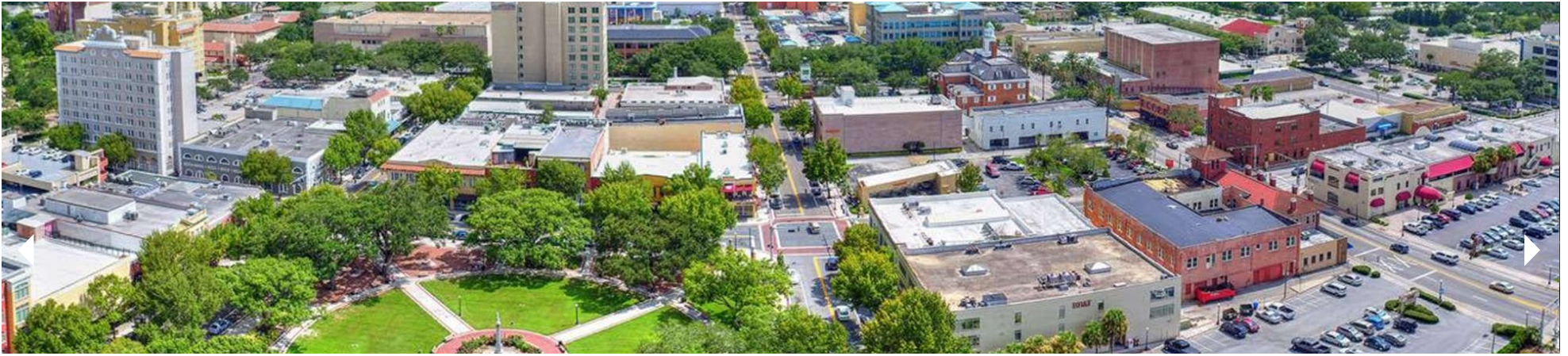
RATE SCHEDULE BA-5
SMART GRID PROJECT IMPLEMENTATION

Rate BA-5
Page 1 of 1

The Smart Grid project implementation charge shall be 0.014¢ per kilowatt-hour for electric energy provided under all service schedules except:

- ISX-1 (General Service Interruptible Shift to Save Optional Time-of-Day)
- IS (General Service Interruptible Rate)
- ELDC (Extra Large Demand Customer)
- ELDCX-1 (General Service Extra Large Demand Customer Shift to Save Optional Time-of-Day)
- OL (Private Area Lighting)
- OL-1 (Street and Roadway Lighting)

The above charge is effective the first billing cycle of Fiscal Year 2011 and shall remain effective for a period of time not to exceed the term of bonds funding the project (fifteen years). Rate BA-5 shall be reviewed for inclusion in base rates by the first-rate study performed subsequent to full implementation of the Smart Grid project.



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Rates

Water Residential Rates



Water Rate Schedule



Message Us



For residential customers

Meter Size	Fixed Meter Charge Inside City Limits	Fixed Meter Charge Outside City Limits	Consumption Range (1,000 gallons)	Charge per 1,000 gallons - Inside City Limits
3/4" or less*	\$10.15	\$13.72	0 - 7	\$2.23
			8 - 12	\$2.73
			13 - 19	\$3.41
			OVER 19	\$4.44
1"	\$27.37	\$36.94	0 - 19	\$2.23
			20 - 32	\$2.73
			33 - 51	\$3.41
			OVER 51	\$4.44
1 1/2"	\$49.44	\$66.74	0 - 34	\$2.23
			35 - 58	\$2.73
			59 - 93	\$3.41
			OVER 93	\$4.44

6"	\$758.49	\$1,023.96	0 - 523	\$2.23
			524 - 897	\$2.73
			898 - 1,420	\$3.41
			OVER 1,420	\$4.44
8"	\$1,284.34	\$1,733.85	0 - 886	\$2.23
			887 - 1,519	\$2.73
			1,520 - 2,404	\$3.41
			OVER 2,404	\$4.44

*3/4 is the most common size for residential meters

Rates Effective October 1, 2019 through September 30, 2020

For more questions about residential rates contact customer service at 863-834-9535.

Wastewater Rates - Residential & Commercial

Wastewater Rate Schedule



Residential Customers	Fixed Charge - Inside City Limits	Fixed Charge - Outside City Limits	Volume Charge* (Per 1,000 Gallons) - Inside City Limits	Volume Charge* (Per 1,000 Gallons) - Outside City Limits
Single Family Dwelling	\$19.03	\$23.79	\$4.26	\$5.30
Multiple Dwelling, Per Unit	\$16.36	\$20.44	\$4.26	\$5.30
Commercial/Industrial Customers**	Fixed Charge - Inside City Limits	Fixed Charge - Outside City Limits	Volume Charge* (Per 1,000 Gallons) - Inside City Limits	Volume Charge* (Per 1,000 Gallons) - Outside City Limits
5/8" - 3/4"	\$19.03	\$23.79	\$4.26	\$5.30
1"	\$51.34	\$64.19	\$4.26	\$5.30
1 1/2"	\$92.62	\$115.76	\$4.26	\$5.30
2"	\$205.97	\$257.49	\$4.26	\$5.30
3"	\$516.00	\$644.99	\$4.26	\$5.30
4"	\$768.66	\$960.80	\$4.26	\$5.30
6"	\$1,421.38	\$1,776.72	\$4.26	\$5.30
8"	\$2,406.69	\$3,008.38	\$4.26	\$5.30

* The volume charge for a residence is capped at 12,000 gallons per month. Therefore, the maximum monthly bill per residence with a 5/8" - 3/4" meter is \$70.15 for Inside City and \$87.87 for Outside City. Commercial and Industrial Customers volume charge is not capped and the bill is based on total water usage.

** All customers owning a flow meter will be billed the minimum based on the water meter at the location.



For questions, please call the water utilities billing office at (863) 834-8276, TDD (863) 833-3333



Rates Effective October 1, 2019 Through September 30, 2020

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COMPARISON OF PREVIOUS AND CURRENT UTILITY RATES

Comparison of Previous and Current Utility Rates Public Housing

LAKELAND HOUSING AUTHORITY, FL

Note: Rates in bold text indicate changes and gray print indicates removal.

(We use the absolute value of the changes which gives us the percentage of change. This is the best way to determine a 10% change in utility rates and charges.)

ELECTRIC

UPDATE 2020

<i>Lakeland Electric (RS)</i>	Measure	Rates		Difference	
		5/2019	3/2020	Amount	Percent
Customer Charge	per month	\$11.00	\$11.00	\$0.00	0%
Total Energy Charges (0-1000)	per ccf	0.09185	0.08652	-0.00533	-6%
		Total % of Change			6%
Total Taxes	% of total	12.5%	12.5%	0.00	0%

WATER & SEWER

<i>City of Lakeland</i>	Measure	Rates		Difference	
		5/2019	3/2020	Amount	Percent
Description - Water					
Water Fixed Meter Charge	per month	\$9.71	\$10.15	\$0.44	5%
Water Consumption Rate (0-7000)	per 1000 gals	\$2.13	\$2.23	\$0.10	5%
Water Consumption Rate (7001-12000)	per 1000 gals	\$2.61	\$2.73	\$0.12	5%
Municipal Public Service Tax	% of total	10%	10%	0.00	0%
		Total % of Change			15%
Description - Sewer					
Wastewater Fixed Charge	per month	\$18.57	\$19.03	\$0.46	2%
Wastewater Volume Charge (12000 max)	per 1000 gals	\$4.16	\$4.26	\$0.10	2%
		Total % of Change			4%

DEVELOPMENT CHARACTERISTICS

HOUSING AGENCY _____ Lakeland Housing Authority, FL _____

**DEVELOPMENT CHARACTERISTICS CHART
For Low-Rent Public Housing**

Development		Year Built	Building Type**	Total # Units	# of Units by Bedroom Size						Resident-Paid Utilities (See* below)					A/C?	
Name	HA Code				0	1	2	3	4	5	Electric	N Gas	Water	Sewer	Trash	Central	Window
Westlake		1943	RH/SD	34	0	4	26	4	0	0	I		I	I			I
John Wright		1980	RH/SD	20	0	10	10	0	0	0	I		I	I			I
Cecil Gober		1981	RH	37	0	37	0	0	0	0	I		M	I			I
Micro Cottages @ Williamstown		2018	SD	48	0	X	X	0	0	0	I		I	I			
				139 Total													

* Please indicate one of the following under each utility:

M (Master-Metered): The development has one master-meter per building and the Agency pays the utility bills.

I (Resident-Paid): There are individual meters for each unit and the resident pays the utility directly to the utility provider.

C (Check-Metered by agency): There are individual meters for each unit but the Agency pays the utility company and charges the resident for excess utility usage.

** Building Types: Walk-Up/Apartment; Row House/Townhouse; Semi-Detached/Duplex; Detached House

Please fax to (817) 922-9100 attn: Cheryl Lord with a copy of current allowances

CUSTOMIZATION FOR BASE REM/RATE MODELS

Housing Agency: **Lakeland Housing Authority**

Customization & Energy Efficiency Measures for Base REM/Rate Models

Please check appropriate box(s) for each development and note if different for other bedroom sizes in development. NOTE: Use separate form if criteria is different for BR sizes or more than one building type per development. Blue text represents energy efficiency measures/equipment.

Development Name & No.: **Westlake 4-60**

Building: Year Built: **1943** Structure Type: Apt High Rise RH SD DH

Legend: Apt= Apartment, RH= Row House, SD= Semi-Detached/Duplex, DH= Detached House

Resident-Paid or Check-Metered Utilities: Electric Natural Gas Water Sewer Trash
OR All Utilities are Master Metered (Paid by the Agency) (Stop here if ALL utilities are Master Metered)

Bedroom Sizes: OBR 1BR 2BR 3BR 4BR 5BR 6BR

1 Foundation Type: Concrete Slab Pier-Beam (Crawl Space) Basement
2 Window Type: Single Pane Double Pane/Low-E Double Pane Vinyl
3 # of Stories in Unit: one two Building has multiple stories

4a Heating Fuel: Electric Natural Gas Oil
4b Is Heating Individually Metered? Yes No
4c Heating Type: Electric Baseboard Central Boiler (Radiant) Individual Boiler
Energy Efficiencies Heat Pump Forced Air Furnace w/ ducts Wall unit
HP Seer:
 Solar Panels (Energy Efficient) Gas Furnace (49k/94 AFUE)
4d Heating Equipment Location: Conditioned Space Unconditioned Space (attic/garage)

5 Air Ducts: Yes No
If Yes, Location: Conditioned Space Unconditioned Space (attic)

6a Water Heater: Electric Natural Gas Oil
Energy Efficiencies Elec Tank .93 EF Gas Tank .62 EF Solar Panels
 Elec Tank .95 EF Gas Tankless .69 EF (Additional Information will be needed)
 Elec Tankless Gas Tankless .80 EF
6b Water Heater Type: Individual units Central Boiler
6c Water Htr Location: Conditioned Space Unconditioned Space (attic/garage)

6 Stove/Range: Electric Natural Gas

8 Energy Efficiencies:
Insulation: Ceiling (R-30) Ceiling (R-38) Wall (R-13)
Low Flow Water: Shower, Faucets, &/or Toilets Lighting: 100% CFL/LED

Notes/Comments:
Structure Type: Fourplex

Housing Agency: **Lakeland Housing Authority**

Customization & Energy Efficiency Measures for Base REM/Rate Models

Please check appropriate box(es) for each development and note if different for other bedroom sizes in development. NOTE: Use separate form if criteria is different for BR sizes or more than one building type per development. *Blue text represents energy efficiency measures/equipment.*

Development Name & No.: **John Wright 4-20**

Building: Year Built: **1980** Structure Type: Apt High Rise RH SD DH

Legend: Apt= Apartment, RH= Row House, SD= Semi-Detached/Duplex, DH= Detached House

Resident-Paid or Check-Metered Utilities: Electric Natural Gas Water Sewer Trash
OR All Utilities are Master Metered (Paid by the Agency) (Stop here if ALL utilities are Master Metered)

Bedroom Sizes: 0BR 1BR 2BR 3BR 4BR 5BR 6BR

1 Foundation Type: Concrete Slab Pier-Beam (Crawl Space) Basement
2 Window Type: Single Pane Double Pane/Low-E Double Pane Vinyl
3 # of Stories in Unit: one two Building has multiple stories

4a Heating Fuel: Electric Natural Gas Oil
4b Is Heating Individually Metered? Yes No
4c Heating Type: Electric Baseboard Central Boiler (Radiant) Individual Boiler
Energy Efficiencies: Heat Pump HP Seer: **12** Forced Air Furnace w/ ducts / Wall unit
 Solar Panels (Energy Efficient) Gas Furnace (48k/94 AFUE)
4d Heating Equipment Location: Conditioned Space Unconditioned Space (attic/garage)

5 Air Ducts: Yes No
If Yes, Location: Conditioned Space Unconditioned Space (attic)

6a Water Heater: Electric Natural Gas Oil
Energy Efficiencies: Elec Tank .93 EF Gas Tank .62 EF Solar Panels
 Elec Tank .95 EF Gas Tankless .69 EF (Additional information will be needed)
 Elec Tankless Gas Tankless .80 EF
6b Water Heater Type: Individual units Central Boiler
6c Water Htr Location: Conditioned Space Unconditioned Space (attic/garage)

6 Stove/Range: Electric Natural Gas

8 Energy Efficiencies:
Insulation: Ceiling (R-30) Ceiling (R-38) Wall (R-13)
Low Flow Water: Shower, Faucets, &/or Toilets Lighting: 100% CFL/LED

Notes/Comments:

Housing Agency: **Lakeland Housing Authority**

Customization & Energy Efficiency Measures for Base REM/Rate Models

Please check appropriate box(s) for each development and note if different for other bedroom sizes in development. NOTE: Use separate form if criteria is different for BR sizes or more than one building type per development. Blue text represents energy efficiency measures/equipment.

Development Name & No.: **Cecil Gober 1-37**

Building: Year Built: **1981** Structure Type: Apt High Rise RH SD DH

Legend: Apt= Apartment, RH= Row House, SD= Semi-Detached/Duplex, DH= Detached House

Resident-Paid or Check-Metered Utilities: Electric Natural Gas Water Sewer Trash
OR All Utilities are Master Metered (Paid by the Agency) (Stop here if ALL utilities are Master Metered)

Bedroom Sizes: 0BR 1BR 2BR 3BR 4BR 5BR 6BR

1 Foundation Type: Concrete Slab Pier-Beam (Crawl Space) Basement
2 Window Type: Single Pane Double Pane/Low-E Double Pane Vinyl
3 # of Stories in Unit: one two Building has multiple stories

4a Heating Fuel: Electric Natural Gas Oil
4b Is Heating Individually Metered? Yes No
4c Heating Type: Electric Baseboard Central Boiler (Radiant) Individual Boiler
Energy Efficiencies: Heat Pump HP Seer: **15** Forced Air Furnace w/ ducts / Wall unit
 Solar Panels (Energy Efficient) Gas Furnace (48k/94 AFUE)
4d Heating Equipment Location: Conditioned Space Unconditioned Space (attic/garage)

5 Air Ducts: Yes No
If Yes, Location: Conditioned Space Unconditioned Space (attic)

6a Water Heater: Electric Natural Gas Oil
Energy Efficiencies: Elec Tank .93 EF Gas Tank .62 EF Solar Panels
 Elec Tank .95 EF Gas Tankless .69 EF (Additional Information will be needed)
 Elec Tankless Gas Tankless .80 EF
6b Water Heater Type: Individual units Central Boiler
6c Water Htr Location: Conditioned Space Unconditioned Space (attic/garage)

6 Stove/Range: Electric Natural Gas

8 Energy Efficiencies:
Insulation: Ceiling (R-30) Ceiling (R-38) Wall (R-13)
Low Flow Water: Shower, Faucets, &/or Toilets Lighting: 100% CFL/LED

Notes/Comments:

Structure Type: Also Triplex and Fourplex

Housing Agency: **Lakeland Housing Authority**

Customization & Energy Efficiency Measures for Base REM/Rate Models

Please check appropriate box(s) for each development and note if different for other bedroom sizes in development. NOTE: Use separate form if criteria is different for BR sizes or more than one building type per development. *Blue text represents energy efficiency measures/equipment.*

Development Name & No.: **Micro Cottages at Williamstown 48 units**

Building: Year Built: **2018** Structure Type: Apt High Rise RH SD DH

Legend: Apt= Apartment, RH= Row House, SD= Semi-Detached/Duplex, DH= Detached House

Resident-Paid or Check-Metered Utilities: Electric Natural Gas Water Sewer Trash
 OR All Utilities are Master Metered (Paid by the Agency) (Stop here if ALL utilities are Master Metered)

Bedroom Sizes: 0BR 1BR 2BR 3BR 4BR 5BR 6BR

1 Foundation Type: Concrete Slab Pier-Beam (Crawl Space) Basement
 2 Window Type: Single Pane Double Pane/Low-E Double Pane Vinyl
 3 # of Stories in Unit: one two Building has multiple stories

4a Heating Fuel: Electric Natural Gas Oil
 4b Is Heating Individually Metered? Yes No
 4c Heating Type: Electric Baseboard Central Boiler (Radiant) Individual Boiler
 Energy Efficiencies Heat Pump Forced Air Furnace w/ ducts / Wall unit
 HP Seer: **14**
 Solar Panels (Energy Efficient) Gas Furnace (48k/94 AFUE)
 4d Heating Equipment Location: Conditioned Space Unconditioned Space (attic/garage)

5 Air Ducts: Yes No
 If Yes, Location: Conditioned Space Unconditioned Space (attic)

6a Water Heater: Electric Natural Gas Oil
 Energy Efficiencies Elec Tank .93 EF Gas Tank .62 EF Solar Panels
 Elec Tank .95 EF Gas Tankless .69 EF (Additional Information will be needed)
 Elec Tankless Gas Tankless .80 EF
 6b Water Heater Type: Individual units Central Boiler
 6c Water Htr Location: Conditioned Space Unconditioned Space (attic/garage)

6 Stove/Range: Electric Natural Gas

8 Energy Efficiencies:
 Insulation: Ceiling (R-30) Ceiling (R-38) Wall (R-13)
 Low Flow Water: Shower, Faucets, &/or Toilets Lighting: 100% CFL/LED

Notes/Comments:

There are 48 units 550 sq ft per unit that are all energy efficiencies with community room

DEVELOPMENT REPORTS



Current Study

Type: **Low-Rent Utility Study - [New]**
 Date: **May 15, 2018**
 Agency: **Lakeland Housing Authority, FL**

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ResidentLife Utility Allowance® Calculator

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Low-Rent Study

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- [Open/Edit](#)

Section 8 Study

- [New](#)
- [Open/Edit](#)

Developments / AMPs

INSTRUCTIONS

Use the Development Characteristics Chart and the Energy Customization Charts for reference.

- Click on tabs below in number order and answer questions. Don't **[SAVE]** until tabs 1 - 4 have been completed. **[SAVE]** will take you back to this screen.
- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name?

What is the development's extension number?

What is the development's building type?

What type of residents occupy the development?

Are water saving devices used?

Do the units have air conditioning?

How old is the development?

[Click here for HELP with building type descriptions.](#)

Utilities

What utility is used for space heating?

What utility is used for domestic hot water?

What utility is used for cooking stove?

Do the Residents pay for natural gas?

Do the Residents pay for electricity?

Do the Residents pay for water or sewer?

Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - HIDE

Space Heating

- Heat Pumps (15 SEER)

Water Heating

- 0.93 EF
- 0.95 EF
- Tankless

Insulation

- Ceiling (R-30)
- Ceiling (R-38)
- Wall (R-13)

Windows

- Double Pane Vinyl

Lighting

- 100% CFL

Save Delete Reset

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)		71	86	109	120		
Domestic Hot Water (kWh)		172	211	250	288		
Lights & Appliances (kWh)		168	209	256	300		
Cooking Stove (kWh)		47	52	62	71		
Water & Sewer (Gallons)		3100	4650	7750	9300		

End-Use Consumption Calculations - SHOW

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)		592	721	883	1006		
Electricity Summer (kWh)		387	472	568	659		
Water (gallons)		3100	4650	7750	9300		

Consumption Total Adjustment Calculations - SHOW

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
- John Wright (All Electric) (RH) FL-(EE Equip: Win,HP,WH,Ins,WS)
- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Cecil Gober (All Electric) FL-(EE Equip: Win,HP,WH,Ins,WS)

Add Development Edit Development



Current Study

Type: **Low-Rent Utility Study - [New]**
 Date: **May 15, 2018**
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Developments / AMPs

INSTRUCTIONS

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- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name?

What is the development's extension number?

What is the development's building type?

What type of residents occupy the development?

Are water saving devices used?

Do the units have air conditioning?

How old is the development?

[Click here for HELP with building type descriptions.](#)

Utilities

What utility is used for space heating?

What utility is used for domestic hot water?

What utility is used for cooking stove?

Do the Residents pay for natural gas?

Do the Residents pay for electricity?

Do the Residents pay for water or sewer?

Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - HIDE

Space Heating

- Heat Pumps (15 SEER)

Water Heating

- 0.93 EF
- 0.95 EF
- Tankless

Insulation

- Ceiling (R-30)
- Ceiling (R-38)
- Wall (R-13)

Windows

- Double Pane Vinyl

Lighting

- 100% CFL

Save Delete Reset

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)		79	96	123	135		
Domestic Hot Water (kWh)		194	237	281	324		
Lights & Appliances (kWh)		168	209	256	300		
Cooking Stove (kWh)		47	52	62	71		
Water & Sewer (Gallons)		4013	5563	8663	10216		

End-Use Consumption Calculations - SHOW

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)		638	776	955	1085		
Electricity Summer (kWh)		409	498	599	695		
Water (gallons)		4013	5563	8663	10216		

Consumption Total Adjustment Calculations - SHOW

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
- John Wright (All Electric) (RH) FL-(EE Equip: Win,HP,WH,Ins,WS)
- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Cecil Gober (All Electric) FL-(EE Equip: Win,HP,WH,Ins,WS)

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Developments / AMPs

INSTRUCTIONS

Use the Development Characteristics Chart and the Energy Customization Charts for reference.

- Click on tabs below in number order and answer questions. Don't **[SAVE]** until tabs 1 - 4 have been completed. **[SAVE]** will take you back to this screen.
- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name? (EE Equip: Win,HP,WH,Ins,V

What is the development's extension number?

What is the development's building type? [Click here for HELP with building type descriptions.](#)

What type of residents occupy the development?

Are water saving devices used?

Do the units have air conditioning?

How old is the development?

Utilities

What utility is used for space heating?

What utility is used for domestic hot water?

What utility is used for cooking stove?

Do the Residents pay for natural gas?

Do the Residents pay for electricity?

Do the Residents pay for water or sewer?

Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - HIDE

Space Heating

- Heat Pumps (15 SEER)

Water Heating

- 0.93 EF
- 0.95 EF
- Tankless

Insulation

- Ceiling (R-30)
- Ceiling (R-38)
- Wall (R-13)

Windows

- Double Pane Vinyl

Lighting

- 100% CFL

Save Delete Reset

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)			37	47			
Domestic Hot Water (kWh)			211	250			
Lights & Appliances (kWh)			209	256			
Cooking Stove (kWh)			52	62			
Water & Sewer (Gallons)			3813	6355			

End-Use Consumption Calculations - SHOW

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)			579	704			
Electricity Summer (kWh)			472	568			
Water (gallons)			3813	6355			

Consumption Total Adjustment Calculations - SHOW

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
- John Wright (All Electric) (RH) FL-(EE Equip: Win,HP,WH,Ins,WS)
- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Cecil Gober (All Electric) FL-(EE Equip: Win,HP,WH,Ins,WS)

Add Development Edit Development



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Developments / AMPs

INSTRUCTIONS

Use the Development Characteristics Chart and the Energy Customization Charts for reference.

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- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name?
 What is the development's extension number?
 What is the development's building type?
 What type of residents occupy the development?
 Are water saving devices used?
 Do the units have air conditioning?
 How old is the development?

[Click here for HELP with building type descriptions.](#)

Utilities

What utility is used for space heating?
 What utility is used for domestic hot water?
 What utility is used for cooking stove?
 Do the Residents pay for natural gas?
 Do the Residents pay for electricity?
 Do the Residents pay for water or sewer?
 Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - HIDE

Space Heating

- Heat Pumps (15 SEER)

Water Heating

- 0.93 EF
- 0.95 EF
- Tankless

Insulation

- Ceiling (R-30)
- Ceiling (R-38)
- Wall (R-13)

Windows

- Double Pane Vinyl

Lighting

- 100% CFL

Save Delete Reset

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)			42	53			
Domestic Hot Water (kWh)			237	281			
Lights & Appliances (kWh)			209	256			
Cooking Stove (kWh)			52	62			
Water & Sewer (Gallons)			4726	7268			

End-Use Consumption Calculations - SHOW

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)			619	752			
Electricity Summer (kWh)			498	599			
Water (gallons)			4726	7268			

Consumption Total Adjustment Calculations - SHOW

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
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- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
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Add Development Edit Development



Current Study

Type: **Low-Rent Utility Study - [New]**
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Developments / AMPs

INSTRUCTIONS

Use the Development Characteristics Chart and the Energy Customization Charts for reference.

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- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name?

What is the development's extension number?

What is the development's building type?

What type of residents occupy the development?

Are water saving devices used?

Do the units have air conditioning?

How old is the development?

[Click here for HELP with building type descriptions.](#)

Utilities

What utility is used for space heating?

What utility is used for domestic hot water?

What utility is used for cooking stove?

Do the Residents pay for natural gas?

Do the Residents pay for electricity?

Do the Residents pay for water or sewer?

Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - HIDE

Space Heating

- Heat Pumps (15 SEER)

Water Heating

- 0.93 EF
- 0.95 EF
- Tankless

Insulation

- Ceiling (R-30)
- Ceiling (R-38)
- Wall (R-13)

Windows

- Double Pane Vinyl

Lighting

- 100% CFL

Save Delete Reset

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)		13					
Domestic Hot Water (kWh)		172					
Lights & Appliances (kWh)		168					
Cooking Stove (kWh)		47					
Water & Sewer (Gallons)		2542					

End-Use Consumption Calculations - SHOW

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)		425					
Electricity Summer (kWh)		387					
Water (gallons)		2542					

Consumption Total Adjustment Calculations - SHOW

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
- John Wright (All Electric) (RH) FL-(EE Equip: Win,HP,WH,Ins,WS)
- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Cecil Gober (All Electric) FL-(EE Equip: Win,HP,WH,Ins,WS)

Add Development Edit Development



Current Study

Type: **Low-Rent Utility Study - [New]**
 Date: **May 15, 2018**
 Agency: **Lakeland Housing Authority, FL**

ResidentLife Utility Allowance® Calculator

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Utility Study

- [Developments](#)
- [Utility Companies](#)
- [Utility Rates](#)

Calculate

- [Cost of Consumption](#)
- [Average Costs](#)
- [Proposed Allowances](#)
- [Compare Allowances](#)

Export

- [Utility Rates](#)
- [Cost of Consumption](#)
- [Average Costs](#)
- [Total Consumptions](#)
- [Proposed Allowances](#)
- [Compared Allowances](#)

Low-Rent Study

- [New](#)
- [Open/Edit](#)

Section 8 Study

- [New](#)
- [Open/Edit](#)

Developments / AMPs

INSTRUCTIONS

Use the Development Characteristics Chart and the Energy Customization Charts for reference.

- Click on tabs below in number order and answer questions. Don't **[SAVE]** until tabs 1 - 4 have been completed. **[SAVE]** will take you back to this screen.
- To **start** click on **[ADD DEVELOPMENT]** button below.
- After all development information has been input, click **[HOME]** and go to 2. Utility Companies.

Details

What is the development's name?

What is the development's extension number?

What is the development's building type? [Click here for HELP with building type descriptions.](#)

What type of residents occupy the development?

Are water saving devices used?

Do the units have air conditioning?

How old is the development?

Utilities

What utility is used for space heating?

What utility is used for domestic hot water?

What utility is used for cooking stove?

Do the Residents pay for natural gas?

Do the Residents pay for electricity?

Do the Residents pay for water or sewer? Sewer Only

Do the Residents pay for trash pickup?

Unit Details

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
How many units?	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>
Is there a pier beam foundation (Crawlspace)?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there double-pane or Low-E windows?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there an electric base board?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a heat pump?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there a space heater in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="YES"/>	<input type="text" value="YES"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is there domestic hot water in unconditioned space?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Are there ducts in the attic?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>
Is this a 2-story unit?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Energy Improvements (Natural Gas) - SHOW

Energy Improvements (Electric) - SHOW

End-Use Consumptions

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Space Heating (kWh)		51	62				
Domestic Hot Water (kWh)		190	232				
Lights & Appliances (kWh)		151	188				
Cooking Stove (kWh)		47	52				

Water & Sewer (Gallons)		3455	4726				
-------------------------	--	------	------	--	--	--	--

End-Use Consumption Calculations - [SHOW](#)

Adjusted Consumption Totals

	0 BR	1 BR	2 BR	3 BR	4 BR	5 BR	6 BR
Electricity Winter (kWh)		536	651				
Electricity Summer (kWh)		388	472				
Water (gallons)		3455	4726				

Consumption Total Adjustment Calculations - [SHOW](#)

Select a Development / AMP

Available Developments:

- Westlake & Westlake Additions (All Electric) (RH) FL-(EE Equip: WH,Ins
- Westlake & Westlake Additions (All Electric) (SD) FL-(EE Equip: WH,Ins
- John Wright (All Electric) (RH) FL-(EE Equip: Win,HP,WH,Ins,WS)
- John Wright (All Electric) (SD) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Cecil Gober (All Electric) FL-(EE Equip: Win,HP,WH,Ins,WS)
- Micro Cottages at Williamstown (All Electric) FL-(EE Equip: Win-V,WH,Ir

Average Water Consumptions

Lakeland Housing Authority, FL

<u>Water Consumptions</u>				
Base Rate		Per	1000	Gallons
Rate		First	10000	Gallons
Rate		Next	10000	Gallons
Water Saving Devices Installed			Yes	
Annual Usage With Water Saving Devices				
	Bedroom Sizes			
	1	2	3	
*USGS Annual Usage	29,200	58,400	87,600	
*CSG Network Usage	19,345	38,690	58,035	
*Southwest Florida Water Management District Usage	11,315	22,630	33,945	
*REUWS Usage	35,755	49,333	62,911	
Monthly Gallons	1,992	3,522	5,052	

*Source: Highlighted Cells are using an average of the USGS, CSG Network, Southwest Florida Water Management Calculators and Residential End Uses Water Study

Average Water Consumptions

Lakeland Housing Authority, FL

<u>Water Consumptions</u>				
Base Rate		Per	1000	Gallons
Rate		First	10000	Gallons
Rate		Next	10000	Gallons
Water Saving Devices Installed			No	
Annual Usage Without Water Saving Devices				
Bedroom Sizes				
	1	2	3	4
*USGS Annual Usage	36,500	73,000	109,500	146,000
*CSG Network Usage	27,010	54,020	81,030	108,040
*Southwest Florida Water Management District Usage	25,915	51,830	77,745	103,660
*REUWS Usage	38,880	52,458	66,036	79,614
Monthly Gallons	2,673	4,819	6,965	9,111

*Source: Highlighted Cells are using an average of the USGS, CSG Network, Southwest Florida Water Management Calculators and Residential End Uses Water Study

CURRENTLY ADOPTED UTILITY ALLOWANCES



LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

PROPOSED MONTHLY UTILITY ALLOWANCES
Chart 1

UPDATE 2019

Building Type: Row House/Townhouse

Westlake (All Electric) (EE Equip: WH,Ins)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$56.00	\$65.00	\$76.00		
Water		\$17.00	\$22.00	\$27.00		
Sewer		\$30.00	\$39.00	\$48.00		
Totals		\$103.00	\$126.00	\$151.00		

Building Type: Semi-Detached/Duplex

Westlake (All Electric) (EE Equip: WH,Ins)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$59.00	\$69.00	\$80.00		
Water		\$17.00	\$22.00	\$27.00		
Sewer		\$30.00	\$39.00	\$48.00		
Totals		\$106.00	\$130.00	\$155.00		

Building Type: Row House/Townhouse

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)			\$63.00	\$73.00		
Water			\$19.00	\$23.00		
Sewer			\$33.00	\$40.00		
Totals			\$115.00	\$136.00		

A monthly average cost of the summer and winter adjustments were used for the electric costs.

L&A= Lights & Appliances
H= Space Heating
WH= Water Heating
C= Cooking

EE Equip= Energy Efficient Equipment
Win= Windows
Win-V= Windows Vinyl
HP= Heat Pump
Ins= Insulation
WS= Water Saving Appliances
LED= 100% LED Lighting

Note: Public Housing utility allowances are calculated similar to the method used by each utility provider. These allowances are not calculated by end use (like Section 8 HCV), but by total usage for each utility type. Utility providers' monthly charges are included in the calculations.

LAKELAND HOUSING AUTHORITY, FL
PUBLIC HOUSING

Building Type: Semi-Detached/Duplex

John Wright (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)			\$66.00	\$77.00		
Water			\$19.00	\$23.00		
Sewer			\$33.00	\$40.00		
Totals			\$118.00	\$140.00		

Building Type: Row House/Townhouse

Cecil Gober (All Electric) (EE Equip: Win,HP,WH,Ins,WS)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$53.00				
Sewer		\$27.00				
Totals		\$80.00				

Building Type: Semi-Detached/Duplex

Micro Cottage at Williamstown (All Electric) (EE Equip: Win-V,WH,Ins,WS,LED)	0BR	1BR	2BR	3BR	4BR	5BR
Electricity (L&A,H,WH,C)		\$55.00	\$64.00			
Sewer		\$27.00	\$33.00			
Totals		\$82.00	\$97.00			

**LOCAL CLIMATOLOGICAL DATA
ANNUAL CLIMATIC DATA SUMMARY**

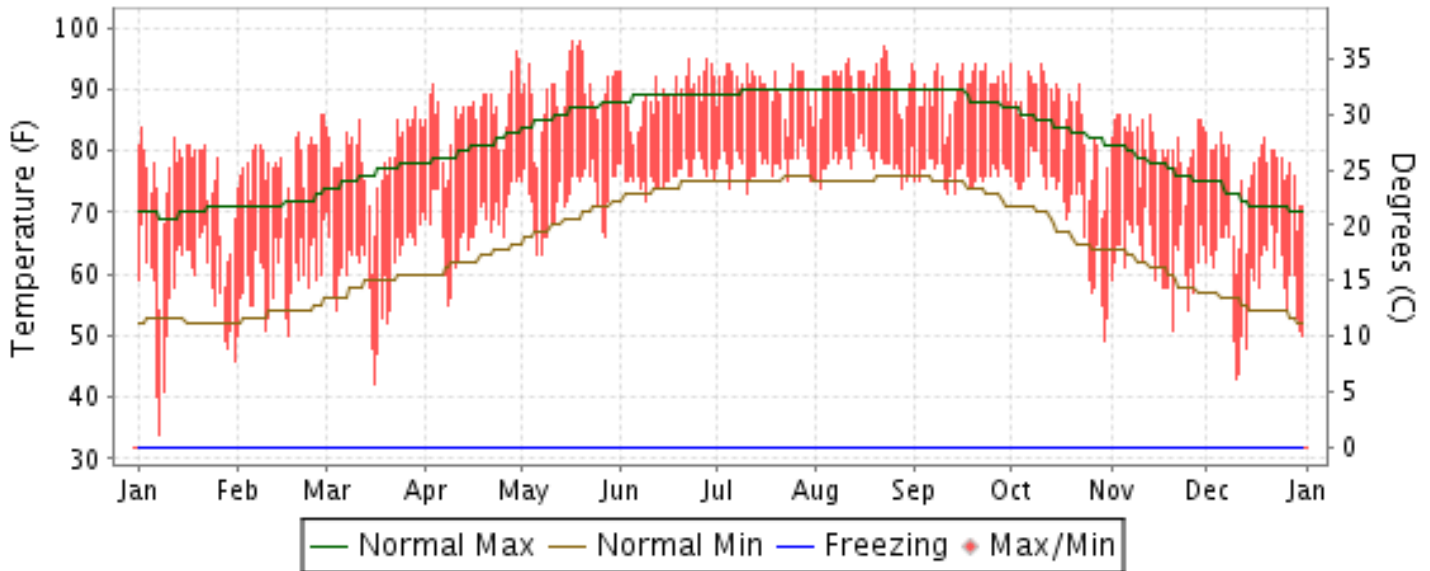


2017 LOCAL CLIMATOLOGICAL DATA ANNUAL SUMMARY WITH COMPARATIVE DATA

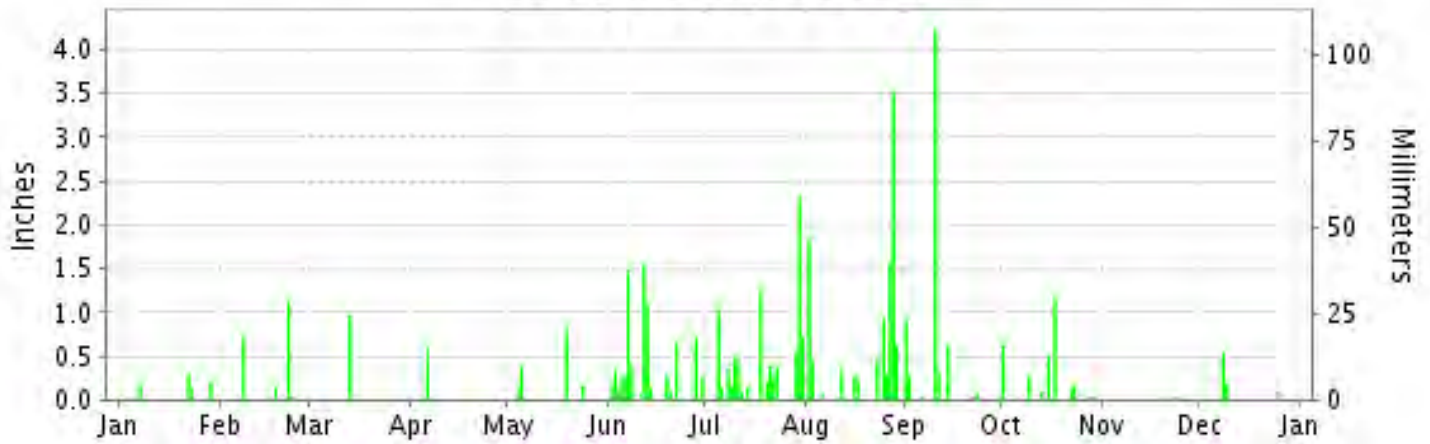
ISSN 0198-1307

TAMPA, FLORIDA (KTPA)

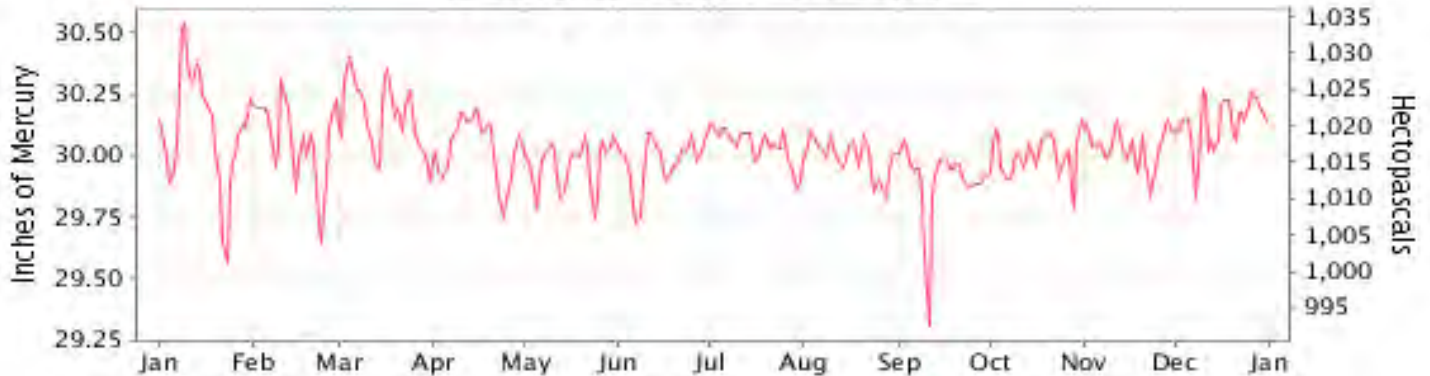
Daily Max/Min Temperature



Daily Precipitation



Daily Station Pressure



I CERTIFY THAT THIS IS AN OFFICIAL PUBLICATION OF THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, AND IS COMPILED FROM RECORDS ON FILE AT THE NATIONAL CLIMATIC DATA CENTER.

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL ENVIRONMENTAL SATELLITE, DATA AND INFORMATION SERVICE

NATIONAL CENTERS for ENVIRONMENTAL INFORMATION (NCEI) Asheville, North Carolina

Mary S. Whigen
DIRECTOR
NCEI

METEOROLOGICAL DATA FOR 2017

TAMPA (KTPA)

LATITUDE:
27° 57'N

LONGITUDE:
82° 32'W

ELEVATION (FT):
GRND: 19 BARO: 40

TIME ZONE:
EASTERN (UTC -5)

WBAN: 12842

ELEMENT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR	
TEMPERATURE °F	MEAN DAILY MAXIMUM	74.7	78.4	79.3	86.1	89.8	89.2	90.7	91.7	90.5	85.8	81.4	76.0	84.5	
	HIGHEST DAILY MAXIMUM	84	86	87	96	98	95	94	97	94	94	86	83	98	
	DATE OF OCCURRENCE	02	28+	29	29	19+	28+	25+	22	23+	10+	13+	05+	MAY 19+	
	MEAN DAILY MINIMUM	57.8	59.2	60.6	68.0	72.2	76.0	77.7	78.3	76.3	70.5	62.7	58.7	68.2	
	LOWEST DAILY MINIMUM	34	50	42	55	63	72	73	74	73	49	51	43	34	
	DATE OF OCCURRENCE	08	17+	16	08	07+	09	10	28+	13+	30	20	10	JAN 08	
	AVERAGE DRY BULB	66.3	68.8	70.0	77.1	81.0	82.6	84.2	85.0	83.4	78.2	72.1	67.3	76.3	
	MEAN WET BULB	60.2	61.9	61.1	66.4	71.0	75.5	76.9	77.6	75.2	69.9	64.7	61.3	68.5	
	MEAN DEW POINT	55.6	57.1	54.7	59.9	65.9	72.9	74.1	74.9	72.2	65.5	60.7	57.2	64.2	
	NUMBER OF DAYS WITH:														
	MAXIMUM >= 90°	0	0	0	4	16	14	24	26	22	12	0	0	0	118
	MAXIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINIMUM <= 32°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MINIMUM <= 0°	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
H/C	HEATING DEGREE DAYS	81	13	28	0	0	0	0	0	0	8	0	56	186	
	COOLING DEGREE DAYS	127	126	191	368	504	536	601	629	558	424	221	138	4423	
RH	MEAN (PERCENT)	71	71	62	59	64	77	74	75	73	69	71	74	70	
	HOUR 01 LST	81	81	74	71	76	84	82	83	82	80	83	83	80	
	HOUR 07 LST	81	81	72	67	69	81	78	79	80	76	83	84	78	
	HOUR 13 LST	56	54	45	42	47	66	65	63	58	54	54	58	55	
	HOUR 19 LST	70	71	63	60	64	79	74	76	72	68	71	72	70	
W/O	NUMBER OF DAYS WITH:														
	HEAVY FOG(VISBY <= 1/4 MI)	0	2	0	0	0	1	0	1	0	0	0	4	8	
	THUNDERSTORMS	2	3	0	2	7	22	25	24	12	5	1	1	104	
PR	MEAN STATION PRESS. (IN.)	30.10	30.06	30.16	30.03	29.97	29.98	30.04	29.99	29.91	29.99	30.04	30.12	30.03	
	MEAN SEA-LEVEL PRESS. (IN.)	30.12	30.07	30.17	30.04	29.98	29.99	30.06	30.00	29.92	30.01	30.05	30.14	30.05	
WINDS	RESULTANT SPEED (MPH)	0.7	1.2	1.1	1.2	3.3	1.8	1.2	1.4	2.0	3.9	3.8	0.5	0.3	
	RES. DIR. (TENS OF DEGS.)	23	28	34	18	24	17	23	21	36	05	02	32	32	
	MEAN SPEED (MPH)	7.1	6.8	7.5	7.9	8.8	5.9	5.2	5.5	6.3	7.4	6.2	5.4	6.7	
	PREVAIL.DIR.(TENS OF DEGS.)	18	36	03	11	29	14	23	23	04	03	03	03	03	
	MAXIMUM 2-MINUTE WIND														
	SPEED (MPH)	36	28	24	26	30	26	26	28	52	25	21	29	52	
	DIR. (TENS OF DEGS.)	19	25	33	25	21	25	23	22	35	32	19	22	35	
	DATE OF OCCURRENCE	22	15	14	06	24	08	29	03	10	29	23	08	SEP 10	
	MAXIMUM 3-SECOND WIND:														
	SPEED (MPH)	48	37	33	35	42	37	40	37	66	34	29	42	66	
DIR. (TENS OF DEGS.)	18	23	27	26	31	13	15	22	33	31	19	20	33		
DATE OF OCCURRENCE	22	15	10	06	06	14	10	03	10	29	23	08	SEP 10		
PRECIPITATION	WATER EQUIVALENT:														
	TOTAL (IN.)	0.90	2.06	0.99	0.59	1.48	7.90	8.99	10.71	6.66	3.07	0.12	0.85	44.32	
	GREATEST 24-HOUR (IN.)	0.46	1.14	0.97	0.59	0.81	2.51	2.97	3.53	4.50	1.17	0.05	0.74	4.50	
	DATE OF OCCURRENCE	22-23	22-23	13	06	19	12-13	30-31	28	10-11	17	23-24	08-09	SEP 10-11	
	NUMBER OF DAYS WITH:														
	PRECIPITATION 0.01	8	5	2	1	6	17	18	16	11	11	5	4	104	
PRECIPITATION 0.10	4	3	1	1	4	15	16	11	5	7	0	3	70		
PRECIPITATION 1.00	0	1	0	0	0	3	3	3	1	1	0	0	12		
SNOWFALL	SNOW,ICE PELLETS,HAIL														
	TOTAL (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	GREATEST 24-HOUR (IN.)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
	MAXIMUM SNOW DEPTH (IN.)	0	0	0	0	0	0	0	0	0	0	0	0	0	
	DATE OF OCCURRENCE	0	0	0	0	0	0	0	0	0	0	0	0	0	
NUMBER OF DAYS WITH:															
SNOWFALL >= 1.0	0	0	0	0	0	0	0	0	0	0	0	0	0		

NORMALS, MEANS, AND EXTREMES TAMPA (KTPA)

LATITUDE:
27° 57'N

LONGITUDE:
82° 32'W

ELEVATION (FT):
GRND: 19 BARO: 40

TIME ZONE:
EASTERN (UTC -5)

WBAN: 12842

	ELEMENT	POR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
TEMPERATURE °F	NORMAL DAILY MAXIMUM	30	69.9	72.5	76.3	81.0	87.2	89.6	90.1	90.2	88.9	84.3	78.0	72.0	81.7
	MEAN DAILY MAXIMUM	85	70.5	71.0	75.7	81.4	87.3	89.1	90.1	90.4	88.5	84.2	77.1	72.4	81.5
	HIGHEST DAILY MAXIMUM	71	86	88	91	96	98	99	97	98	96	94	92	86	99
	YEAR OF OCCURRENCE		2002	1971	1949	2017	2017	1985	2015	1975	1991	2017	2015	2016	JUN 1985
	MEAN OF EXTREME MAXS.	85	81.0	82.1	85.3	88.9	93.1	94.7	94.6	94.5	93.4	90.5	85.6	82.1	88.8
	NORMAL DAILY MINIMUM	30	51.6	54.4	58.2	63.0	69.7	74.8	75.9	76.2	74.5	68.0	60.3	54.2	65.1
	MEAN DAILY MINIMUM	85	51.1	51.8	56.8	62.0	68.4	72.8	74.8	75.0	73.1	66.6	58.0	53.1	63.6
	LOWEST DAILY MINIMUM	71	21	24	29	40	49	53	63	67	57	40	23	18	18
	YEAR OF OCCURRENCE		1985	1958	1980	1987	1992	1984	1970	1973	1981	1964	1970	1962	DEC 1962
	MEAN OF EXTREME MINS.	85	32.9	36.6	41.7	49.4	58.8	67.3	70.7	71.2	67.9	53.0	42.3	35.9	52.3
	NORMAL DRY BULB	30	60.8	63.4	67.3	72.0	78.4	82.2	83.0	83.2	81.7	76.2	69.1	63.1	73.4
	MEAN DRY BULB	85	60.8	61.4	66.3	71.7	77.8	81.0	82.5	82.7	80.8	75.4	67.6	62.8	72.6
	MEAN WET BULB	34	54.1	55.8	59.1	63.1	68.5	73.6	75.0	75.5	73.7	67.4	61.3	57.1	65.4
	MEAN DEW POINT	34	53.4	54.9	58.2	62.0	67.6	72.9	74.5	74.9	73.2	66.9	60.6	56.1	64.6
	NORMAL NO. DAYS WITH: MAXIMUM >= 90	30	0.0	0.0	0.0	0.3	6.9	14.4	17.0	18.7	12.9	2.3	0.0	0.0	72.5
	MAXIMUM <= 32	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MINIMUM <= 32	30	0.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	1.3	
MINIMUM <= 0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
H/C	NORMAL HEATING DEG. DAYS	30	182	106	56	11	0	0	0	0	0	4	40	139	538
	NORMAL COOLING DEG. DAYS	30	50	63	126	221	417	516	558	564	501	350	164	80	3610
RH	NORMAL (PERCENT)	30	76	74	73	70	71	75	77	79	79	76	76	77	75
	Hour 01 LST	30	85	84	83	82	82	85	86	88	88	87	86	86	85
	Hour 07 LST	30	87	87	87	86	85	86	88	90	91	90	89	88	88
	Hour 13 LST	30	60	57	55	52	54	60	64	65	63	58	59	61	59
	Hour 19 LST	30	74	70	68	64	64	70	74	76	76	73	74	75	72
S	PERCENT POSSIBLE SUNSHINE	57	66	66	71	75	75	67	62	62	62	66	64	61	66
W/O	MEAN NO. DAYS WITH: HEAVY FOG (VISBY <= 1/4 MI)	54	3.5	2.4	1.6	0.6	0.2	0.3	0.2	0.2	0.2	0.5	1.6	2.5	13.8
	THUNDERSTORMS	70	1.0	1.6	2.4	2.4	4.9	13.5	19.8	19.2	10.5	2.6	0.9	1.1	79.9
CLOUDINESS	MEAN: SUNRISE-SUNSET (OKTAS)														
	MIDNIGHT-MIDNIGHT (OKTAS)														
	MEAN NO. DAYS WITH:														
	CLEAR	1	1.0	2.0	9.0		9.0	9.0							
PARTLY CLOUDY	1	1.0	2.0	3.0		10.0	9.0								
CLOUDY	1	3.0	1.0	8.0		2.0	5.0								
PR	MEAN STATION PRESSURE (IN)	34	30.10	30.09	30.06	30.02	30.00	30.00	30.04	30.00	29.96	30.00	30.07	30.12	30.04
	MEAN SEA-LEVEL PRES. (IN)	34	30.14	30.11	30.07	30.03	30.01	30.01	30.05	30.01	29.97	30.01	30.08	30.13	30.05
WINDS	MEAN SPEED (MPH)	34	7.2	7.4	8.0	7.7	7.2	6.6	5.7	5.6	6.2	6.7	7.0	6.7	6.8
	PREVAIL. DIR. (TENS OF DEGS)	49	03	33	06	09	28	28	26	10	06	05	03	03	05
	MAXIMUM 2-MINUTE: SPEED (MPH)	22	44	36	36	44	39	38	37	33	52	40	35	43	52
	DIR. (TENS OF DEGS)		32	28	27	28	25	18	26	30	35	21	19	32	35
	YEAR OF OCCURRENCE		1999	1998	2012	1997	2011	2016	2004	2011	2017	1996	2000	2004	SEP 2017
	MAXIMUM 3-SECOND SPEED (MPH)	22	51	44	52	49	52	53	47	44	66	53	41	52	66
	DIR. (TENS OF DEGS)		32	09	25	28	09	17	20	32	33	21	17	31	33
	YEAR OF OCCURRENCE		1999	1998	2012	1997	2009	2012	2001	2014	2017	1996	2000	2004	SEP 2017
PRECIPITATION	NORMAL (IN)	30	2.23	2.81	3.03	2.03	2.10	6.68	7.07	7.77	6.30	2.26	1.55	2.47	46.30
	MAXIMUM MONTHLY (IN)	71	8.02	10.82	12.64	10.71	17.64	18.66	20.59	18.59	13.98	7.36	6.12	15.57	20.59
	YEAR OF OCCURRENCE		1948	1998	1959	1997	1979	2012	1960	1949	1979	1952	1963	1997	JUL 1960
	MINIMUM MONTHLY (IN)	71	T	0.21	T	T	0.02	1.46	1.65	2.35	.79	T	T	0.07	0.02
	YEAR OF OCCURRENCE		1950	1950	2006	1981	2001	1997	1981	1952	2005	2010	1960	1984	MAY 2001
	MAXIMUM IN 24 HOURS (IN)	71	3.81	8.54	5.20	5.44	11.84	8.57	12.11	5.37	8.45	2.93	4.48	4.76	12.11
	YEAR OF OCCURRENCE		1996	2006	1960	1997	1979	2012	1960	1949	1997	1985	1988	1997	JUL 1960
	NORMAL NO. DAYS WITH: PRECIPITATION >= 0.01	30	6.8	6.6	6.6	4.9	5.5	12.7	15.9	16.0	12.2	6.5	5.1	5.8	104.6
	PRECIPITATION >= 1.00	30	0.5	0.8	1.0	0.6	0.6	2.2	2.1	2.5	2.0	0.7	0.4	0.8	14.2
SNOWFALL	NORMAL (IN)	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	MAXIMUM MONTHLY (IN)	71	0.2	T	0.0	T	0.0	0.0	T	T	0.0	T	0.0	T	0.2
	YEAR OF OCCURRENCE		1977	1951	2006	1997			2013	2006		2010		1989	JAN 1977
	MAXIMUM IN 24 HOURS (IN)	71	0.2	T	T	T	0.0	0.0	T	T	0.0	0.0	0.0	T	0.2
	YEAR OF OCCURRENCE		1977	1951	1980	1997			2013	2006				1989	JAN 1977
	MAXIMUM SNOW DEPTH (IN)	69	0	0	0	0	0	0	0	0	0	0	0	0	0
	YEAR OF OCCURRENCE														
NORMAL NO. DAYS WITH: SNOWFALL >= 1.0	30	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	