CITY COUNCIL STRATEGIC PLANNING MEETING
300 WEST CROWELL STREET
MONROE, NORTH CAROLINA 28112
JUNE 11, 2024– 4:30 P.M.
AGENDA
www.monroenc.org

PUBLIC HEARING

Please adhere to the following guidelines: proceed to the podium, and state your name and address clearly; be concise; avoid repetition; limit comments to three (3) minutes or less; and, designate a spokesperson for large groups.

1. eDIG Downtown Economic Development Incentive Grant to Monroe Hospitality, LLC for Project Overnight
   A. Public Hearing
   B. Action

2. Energy Services Rate Study
   A. Ordinance Amending Fiscal Year 2024-2025 Fee Schedule for Electric and Natural Gas Fee Schedule Revisions
   B. Electric Service Policy (ES-01) Revisions
   C. City Manager to Execute Documents

3. Proposed Amendment to Application to Serve on Appointed Boards, Committees or Commissions

- **Agenda** is tentative and is subject to change up to and including the time of the meeting.
- At the discretion of City Council, **Agenda Items** listed above that are not discussed at the Strategic Planning Meeting or moved at the request of Council, may be carried forward to the City Council Regular Meeting at 6:00 p.m. to be considered.
- **Cell Phones/Pagers**: As a courtesy, please turn off cell phones and pagers while Meeting is in progress.

City of Monroe
Where Heartland Meets High Tech

STAFF REPORT

TO:	City Council
VIA:	Mark Watson, City Manager
DATE:	June 11, 2024
FROM:	R. Christopher Platé, Executive Director, MUCEDC
PREPARED BY:	R. Christopher Platé, Executive Director, MUCEDC
SUBJECT:	Request eDIG Downtown Economic Development Incentive Grant to Monroe Hospitality, LLC aka Project Overnight

SUMMARY STATEMENT

City Council is requested to consider the award of an eDIG Downtown Economic Development Incentive Grant to Monroe Hospitality, LLC in an amount not to exceed $2,200,500 consisting of two Parts over a ten-year period.

REVIEW

Our office began discussions with Monroe Hospitality, LLC (Project OVERNIGHT) in 2022.

Project Overnight is a potential hotel targeting Downtown Monroe. This is a unique project that could bring a hotel with up to 100 rooms and many jobs to the central business district of Monroe. The grant is the first of its kind for Monroe. The grant, known as an "enhanced Development Investment Grant", or "eDIG", includes multiple Parts from two revenue sources of the City. This grant includes Part A funded via ad valorum funds and Part B funded from the municipal service district funds. Both grants are calculated based on all the project's qualifying investment of both the Real and Personal Property associated with Project OVERNIGHT (Investment Period is between January 2025 and December 2027).

For Part A of the eDIG: the City will apply a "grant factor" of 3% to the proposed assessed value of the $40,000,000 investment to be paid over a 7-year grant period between FY2027-FY2033. The annual payments are determined by taking the 3% grant factor multiplied by the assessed value of the project investment and divided by the term (7 years). The anticipated total for the Part

A of the eDIG is an amount not to exceed $1,200,000 (One Million Two Hundred Thousand Dollars) over the 7 years. This grant is paid from the City's General Fund and budgeted annually.

Part B of the eDIG: the City will apply a grant factor of 2.6% to the proposed assessed value of $40,000,000 investment to be paid over a 10-year grant period (FY2027-FY2036). The annual payments are determined by taking the 2.6% grant factor multiplied by the assessed value of the project investment and divided by the term (10 years). The anticipated total for Part B of the eDIG is an amount not to exceed $1,000,500 (One Million Five Hundred Dollars) over the 10 years. This grant is paid from the City's Municipal Service District General Fund and budgeted annually.

Monroe-Union County Economic Development Commission staff has reviewed the details of the project and recommends the award of an enhanced DIG Downtown Economic Development Incentive Grant in an amount not to exceed $2,200,500 paid over a seven-year and ten-year period as an inducement to lure the potential investment. Given the projected capital investment, the City of Monroe, will receive revenues in excess of the grant, via ad valorem taxes, municipal service taxes, utility revenue, occupancy and sales taxes. Actual tax revenue to the City will be based on the assessed value of the investment each year, depending upon the depreciation schedule and timing of the investments.

Staff has reviewed the details of the project and recommends in favor of approval of the eDIG grant not to exceed $2,200,500 over the term of both Part A and Part B of the grant.

RECOMMENDATION

It is the recommendation of the Monroe-Union County Economic Development Commission staff that Monroe City Council award an eDIG Downtown Economic Development Incentive Grant to Monroe Hospitality, LLC, in an amount not to exceed $2,200,500.

The recommended actions before City Council are as follows:

Approval Action:

Motion to adopt Resolution Awarding Incentive Agreement, authorizing Staff to negotiate an Economic Development Incentive Grant Agreement and authorizing the Mayor to execute the same on under the terms stated above and pursuant to the City of Monroe's Downtown Economic Development Incentive Grant Program.

Denial Action:

Motion to deny grant.

Attachment: Resolution R-2024-40

RESOLUTION OF MONROE CITY COUNCIL AWARDING eDIG DOWNTOWN ECONOMIC DEVELOPMENT INCENTIVE GRANT TO MONROE HOSPITALITY, LLC
R-2024-40

WHEREAS, the City of Monroe has adopted a Downtown Economic Development Grant Program, hereinafter "Program"; and,

WHEREAS, Monroe Hospitality, LLC has duly applied for an eDIG Downtown Economic Development Incentive Grant under said program; and,

WHEREAS, a public hearing was conducted by the City Council on June 11, 2024, at which hearing testimony was given by Monroe-Union County Economic Development Commission Executive Director Chris Platé and a company representative; and,

WHEREAS, the proposed investment for this project is anticipated to be approximately $40,000,000: and,

WHEREAS, the City Council makes the following findings with respect to said application:

1. All facilities, if Monroe is the selected location, are proposed to be built and/or improved by the applicant on property currently within the corporate limits of the City of Monroe.

2. The applicant will be the principal employer of persons with respect to the grant application under the Program.

3. The applicant is a boutique hospitality business, which will have a minimum new investment of $20,000,000 in new taxable land, building, and equipment, which qualifies them for an economic development incentive grant.

4. No other grant from the Program has been awarded to the applicant for this project.

5. The applicant is not in the retail or construction trade.

6. That the applicant meets all other applicable requirements of the Grant Program set forth by the City Council.

WHEREAS, based on the above findings and other documentation in the file, the City Council concludes that the applicant qualifies for an eDIG Downtown Grant under the Program for an amount not to exceed Two-Million Two-Hundred Thousand Five-Hundred Dollars ($2,200,500) paid over a two-part grant including a seven-year grant period and a ten-year grant period, beginning in Fiscal Year 2027. With qualification for the grant established and the economic benefits accrued to the City in the form of new employment, increased tax base, and increased City utility revenues, the grant application should be approved subject to compliance with the Program and subject to appropriation; and,

WHEREAS, the City of Monroe anticipates entering into an Economic Incentive Grant Agreement with Monroe Hospitality, LLC, if Monroe is the selected location and pursuant to the City of Monroe's Downtown Economic Development Incentive Grant Program.

NOW THEREFORE BE IT RESOLVED THAT the grant application of Monroe Hospitality, LLC, for an eDIG Grant be approved subject to compliance with the requirements and provisions of the Program and subject to appropriation. Staff is hereby authorized to negotiate the Economic Development Incentive Grant Agreement and the Mayor is hereby authorized to execute on behalf of the City the Downtown Economic Development Incentive Grant Agreement with Monroe Hospitality, LLC, under the terms stated above and pursuant to the City of Monroe's Downtown Economic Development Incentive Grant Program.

Adopted this 11th day of June, 2024.

Attest:

____
Robert A. Burns, Mayor

____
Bridgette H. Robinson, City Clerk

STAFF REPORT

TO:	City Council
VIA:	Mark Watson, City Manager
DATE:	June 11, 2024
FROM:	Rob Miller, Energy Services Director
PREPARED BY:	Rob Miller, Energy Services Director
SUBJECT:	2024 Energy Services Rate Study

SUMMARY STATEMENT

The City of Monroe Energy Services contracted Utility Financial Solutions (UFS) to complete a review of the City's Electric and Natural Gas rates.

REVIEW

UFS has completed a review of the City's Electric and Natural Gas existing rates, rate structure, cost of service, capital improvement and operating plans, fund balance requirements, and future revenue requirements/cash flow. In addition, UFS specifically reviewed the line extension policy for new developments and lowering the requirements to be a Natural Gas transportation customer.

RECOMMENDATION

Staff recommends electric rates are reduced an average of -10% and no change to natural gas rates.

Staff recommends that the City Council approve the following:

- Ordinance O-2024-29 – Electric Fee Schedule Revisions for FY 25
- Revisions to the Electric Service Policy

Staff Recommends that the City Council authorize the City Manager to execute the necessary documents.

Attachments:
- 2024-06-11 – Energy Services Rate Study Presentation
- Ordinance O-2024-29
    - FY 25 Fee Schedule – Electric Recommended Revisions (Track Changes)
- Revised Electric Service Policy

ORDINANCE TO AMEND
CITY OF MONROE FEE SCHEDULE
FISCAL YEAR 2024-2025
O-2024-29

BE IT ORDAINED BY THE CITY OF MONROE COUNCIL THAT THE FISCAL YEAR 2024-2025 CITY OF MONROE FEE SCHEDULE IS HEREBY AMENDED TO REFLECT THE FOLLOWING CHANGES:

Section 1. Chapter VI. Electric
Article B. Electric Rates

COMMERCIAL TIME OF USE SERVICE – SCHEDULE CTOU

MONTHLY RATE

Basic Customer Charge	$60.00
Demand Charge	
On-Peak Demand Charge per Month	$17.25 per kW
Economy Demand Charge per Month	$2.50 per kW
Energy Charge	
All On-Peak Energy per Month	$0.07214 per kWh
All Off-Peak Energy per Month	$0.04774 per kWh

COORDINATED PEAK DEMAND – SCHEDULE CP

C. Energy Charge

June-September On-Peak Energy	$0.06668 per kwh
Off-Peak Energy	$0.04118 per kwh
October-May: On-Peak Energy	$0.05568 per kwh
Off-Peak Energy	$0.03538 per kwh

Effective for service as determined by meter readings on and after July 1, 2024.

COORDINATED PEAK DEMAND RATE-NEW CONSTRUCTION – SCHEDULE CPNC

MONTHLY RATE

C. Energy Charge

June-September: On-Peak Energy	$0.06379 per kWh
Off-Peak Energy	$0.03829 per kWh
October-May On-Peak Energy	$0.05279 per kWh
Off-Peak Energy	$0.03249 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

INDUSTRIAL COORDINATED PEAK DEMAND – SCHEDULE ICP

C. Energy Charge

June-September On-Peak Energy	$0.06330 per kWh
Off-Peak Energy	$0.03960 per kWh
October-May On-Peak Energy	$0.05250 per kWh
Off-Peak Energy	$0.03350 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

INDUSTRIAL SERVICE – SCHEDULE IND

MONTHLY RATE

C. Energy Charge

First 100 kWh/kW	
First 150,000 kWh	$0.06974 per kWh
Over 150,000 kWh	$0.06394 per kWh
Next 200 kWh/kW	$0.05864 per kWh
Over 300 kWh/kW	$0.05524 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

LARGE COMMERCIAL TIME OF USE SERVICE – SCHEDULE LCTOU

MONTHLY RATE

Basic Customer Charge	$300.00
Energy Charge	
All On-Peak Energy per Month	$0.06832 per kWh
All Off-Peak Energy per Month	$0.04612 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

LARGE GENERAL SERVICE – SCHEDULE LG

MONTHLY RATE

A. Basic Customer Charge	$95.00
B. Demand Charge	
First 30 kW	$4.50 per kW
C. Energy Charge	
First 100 kWh/kW	$0.08829 per kWh
Next 200 kWh/kW	$0.07319 per kWh
Over 300 kWh/kW	$0.06259 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

LARGE INDUSTRIAL COORDINATED PEAK DEMAND RATE-NEW CONSTRUCTION SCHEDULE LICPNC

MONTHLY RATE

C. Energy Charge

June-September	
On-Peak Energy	$0.06264 per kWh
Off-Peak Energy	$0.03894 per kWh
October-May	
On-Peak Energy	$0.05184 per kWh
Off-Peak Energy	$0.03284 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

LARGE POWER SERVICE – SCHEDULE LP

MONTHLY RATE

A.	Basic Customer Charge	$300.00
C.	Energy Charge	
	First 100 kWh/kW	$0.06621 per kWh
	Next 200 kWh/kW	$0.05871 per kWh
	Over 300 kWh/kW	$0.05191 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

MEDIUM POWER SERVICE – SCHEDULE MP

MONTHLY RATE

A.	Basic Customer Charge	$180.00
C.	Energy Charge	
	First 100 kWh/kW	$0.07468 per kWh
	Next 200 kWh/kW	$0.06388 per kWh
	Over 300 kWh/kW	$0.05618 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

RESIDENTIAL TIME OF USE SERVICE – SCHEDULE RTOU

MONTHLY RATE

Basic Customer Charge	$18.80
Energy Charge	
All On-Peak Energy per Month	$0.14975 per kWh
All Off-Peak Energy per Month	$0.04905 per kWh

Effective for service as determined by meter readings on and after July 1, 2024.

RESIDENTIAL SERVICE – SCHEDULE R

MONTHLY RATE

A. Basic Customer Charge		$14.00
B. Energy Charge		
First 300 kWh	$0.10590 per kWh	
Next 700 kWh	$0.09880 per kWh	
Over 1,000 kWh	$0.09880 per kWh	

Effective for service as determined by meter readings on and after July 1, 2024

SMALL COMMERCIAL SERVICE – SCHEDULE SC

MONTHLY RATE

A. Basic Customer Charge		$26.00
B. Energy Charge		
First 1,250 kWh	$0.12241 per kWh	
Next 1,750 kWh	$0.10171 per kWh	
Over 3,000 kWh	$0.08411 per kWh	

Effective for service as determined by meter readings on and after July 1, 2024.

TRAFFIC SIGNAL SERVICE – SCHEDULE TS

MONTHLY RATE

A. Basic Customer Charge		$10.50
B. Energy Charge		
All kWh	$0.08023 per kWh	

Effective for service as determined by meter readings on and after July 1, 2024.

Section 2. Chapter VI. Electric
Article C. Electric Rates Riders

PP-1 PURCHASED POWER ADJUSTMENT RIDER
Effective for service as determined by meter readings on and after July 1, 2024.

RENEWABLE ENERGY PORTFOLIO STANDARDS (REPS) CHARGE

	Monthly Rates		
DEFINITIONS:	Renewable Efficiency	DSM/Energy Charge	Total
Residential Account	$0.82	$0	$0.82
Commercial Account	$4.47	$0	$4.47
Industrial Account	$46.08	$0	$46.08

Effective for service rendered after July 1, 2024.

Section 3. Chapter X. Natural Gas
Article B. Natural Gas Rates
Section 3. Natural Gas Transportation Service.

Interruptible Transportation Natural Gas Service - Natural Gas Rate Schedule TRN-1

AVAILABILITY. This Schedule is available only to qualifying industrial gas customers within the territory served by the City. Service is available to industrial customers using 50,000 therms or more of gas per month for industrial process feedstock, plant protection, and/or boiler fuel, and all of the gas is supplied from a source other than the City of Monroe. The Customer shall have the capability to switch from Natural Gas to an alternative fuel within two (2) hours of notification

Effective for service as determined by meter readings on and after July 1, 2024

Section 4. This Ordinance shall be effective July 1, 2024.

Adopted this 11th day of June, 2024.

Attest:

Robert A. Burns, Mayor

Bridgette H. Robinson, City Clerk

CITY OF MONROE

Energy Services Rate Study

City Council
June 11, 2024

Rate Study

- Utility Financial Solutions (UFS) was selected from a competitive Request for Qualifications (RFQ) process.

UFS UTILITY FINANCIAL SOLUTIONS, LLC

- UFS is recognized as national experts in the utility industry for electric, gas, water, and sewer rate studies.

- UFS has experience with utility rate studies in 43 states.

- UFS worked for the City of Monroe in 2019 and has completed rate studies for numerous neighboring utilities in North Carolina.

Electric Rate Study

Significant Assumptions

Fiscal Year	Inflation	Model Growth	Purchase Power Change	Investment Income	Utility Funded Capital
2025	4.0%	6.0%	-11.5%	4.0%	30,158,000
2026	4.0%	1.0%	0.4%	3.0%	8,040,000
2027	3.0%	1.0%	0.6%	1.0%	4,610,000
2028	3.0%	1.0%	2.4%	0.5%	4,450,000
2029	3.0%	1.0%	2.3%	0.5%	4,870,000

- Modeled with minimal growth to ensure rate recommendation

Electric Rate Study

Debt Coverage Ratio (no rate change)

Description	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029
Debt Coverage Ratio					
Net Income	$ 20,927,780	$ 19,424,028	$ 17,362,370	$ 15,849,649	$ 14,839,797
Add Depreciation/Amortization Expense	2,899,813	3,060,613	3,313,613	3,494,813	3,681,213
Add Interest Expense	461,381	414,820	395,045	345,262	292,980
Cash Generated from Operations	$ 24,288,974	$ 22,899,461	$ 21,071,028	$ 19,689,725	$ 18,813,990
Debt Principal and Interest	$ 1,407,097	$ 1,403,665	$ 1,405,776	$ 1,406,240	$ 1,404,311
Projected Debt Coverage Ratio (Covenants)	**17.26**	**16.31**	**14.99**	**14.00**	**13.40**
Minimum Debt Coverage Ratio	**1.4**	**1.4**	**1.4**	**1.4**	**1.4**

Electric Rate Study

Cash Policy

Description		Projected 2025		Projected 2026		Projected 2027		Projected 2028		Projected 2029
Minimum Cash Reserve Levels Determinants										
Operation & Maintenance Less Depreciation Expense	$	8,836,691	$	9,190,158	$	9,465,863	$	9,749,839	$	10,042,334
Purchase Power Expense		40,960,815		41,539,339		42,184,642		43,571,333		44,951,091
Projected Operating Expenses	**$**	**49,797,506**	**$**	**50,729,497**	**$**	**51,650,505**	**$**	**53,321,172**	**$**	**54,993,425**
City of Monroe Cash Policy	**$**	**29,878,503**	**$**	**30,437,698**	**$**	**30,990,303**	**$**	**31,992,703**	**$**	**32,996,055**

- The City's cash policy is 60% of budgeted operating expenses are what we hold in reserve.

Electric Rate Study

Target Operating Income (no rate change)

Description	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029
Target Operating Income Determinants					
Net Book Value/Working Capital	$ 88,585,077	$ 93,564,464	$ 94,860,851	$ 95,816,037	$ 97,004,824
Outstanding Principal on Debt	9,112,618	8,123,772	7,113,041	6,052,064	4,940,733
System Equity	$ 79,472,460	$ 85,440,692	$ 87,747,810	$ 89,763,974	$ 92,064,091
Debt:Equity Ratio	10%	9%	7%	6%	5%
Target Operating Income Allocation					
Interest on Debt	5.06%	5.11%	5.55%	5.70%	5.93%
System Equity	5.08%	5.08%	5.16%	5.25%	5.34%
Target Operating Income					
Interest on Debt	$ 461,381	$ 414,820	$ 395,045	$ 345,262	$ 292,980
System Equity	$ 4,037,511	$ 4,337,312	$ 4,525,750	$ 4,712,820	$ 4,917,627
Target Operating Income	**$ 4,498,892**	**$ 4,752,132**	**$ 4,920,795**	**$ 5,058,082**	**$ 5,210,607**
Projected Operating Income	**$ 16,977,802**	**$ 16,597,474**	**$ 16,137,942**	**$ 15,007,810**	**$ 13,878,232**
Rate of Return in %	**5.1%**	**5.1%**	**5.2%**	**5.3%**	**5.4%**

Electric Rate Study

COS Summary Financial Results

Fiscal Year	Projected Rate Adjustments	Debt Coverage Ratio	Adjusted Operating Income	Optimal Operating Income	Projected Cash Balances	City of Monroe Cash Policy (60% of O&M)	Future Capital Projects Fund
2025	0.0%	17.14	$ 16,977,802	$ 4,498,892	$ 49,566,959	$ 29,878,503	$ 38,000,000
2026	0.0%	16.18	16,597,474	4,752,132	61,697,923	30,437,698	39,140,000
2027	0.0%	14.86	16,137,942	4,920,795	76,176,853	30,990,303	39,531,400
2028	0.0%	13.87	15,007,810	5,058,082	89,626,835	31,992,703	39,729,057
2029	0.0%	13.26	13,878,232	5,210,607	101,779,263	32,996,055	39,927,702

- Projected Cash for FY 25 = ($49,566,959 + $38,000,000) = $87,566,959
- Projected cash excludes the following projects:
  - $22M warehouse
  - $6M AMI project

Electric Rate Study

Projected Rate Track

Fiscal Year	Projected Rate Adjustments	Debt Coverage Ratio	Adjusted Operating Income	Optimal Operating Income	Projected Cash Balances	City of Monroe Cash Policy (60% of O&M)	Future Capital Projects Fund
2025	-10.0%	12.38	$ 10,282,116	$ 4,498,892	$ 42,871,273	$ 29,878,503	$ 38,000,000
2026	0.0%	11.22	9,834,831	4,752,132	48,038,724	30,437,698	39,140,000
2027	0.0%	9.90	9,307,674	4,920,795	55,550,793	30,990,303	39,531,400
2028	0.0%	8.89	8,109,238	5,058,082	61,999,073	31,992,703	39,729,057
2029	0.0%	8.20	6,910,674	5,210,607	67,045,805	32,996,055	39,927,702

- Projected Cash for FY 25 = ($42,871,273 + $38,000,000) = $80,871,273
- Projected cash excludes the following projects:
  - $22M warehouse
  - $6M AMI project

Electric Rate Recommendation

- Recommended average -10% rate reduction

Electric Bill Comparison

Residential

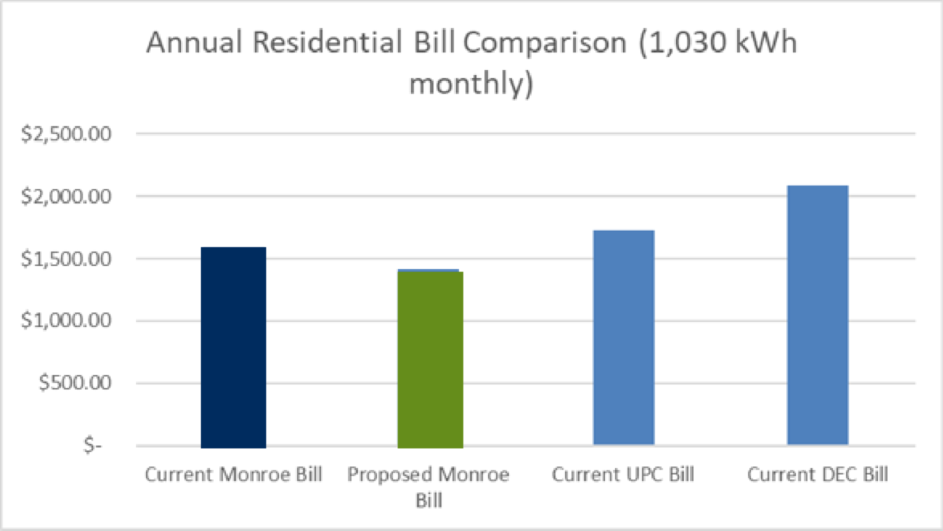
Average Customer 1,030 kWh

Current Monthly = $132

Proposed Monthly = $118

Current Annual = $1,589

Proposed Annual = $1,414



Small Commercial

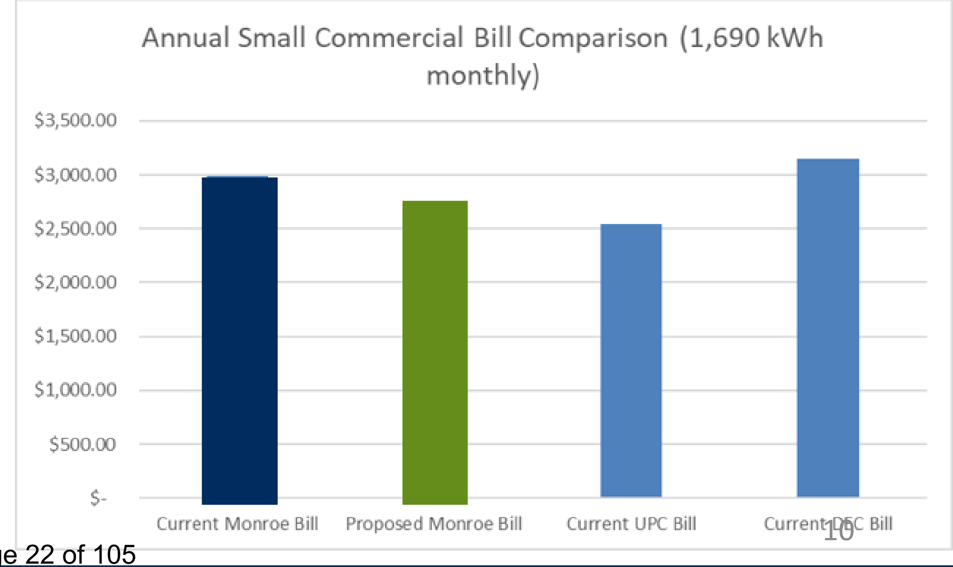
Average Customer 1,690 kWh

Current Monthly = $249

Proposed Monthly = $224

Current Annual = $2,989

Proposed Annual = $2,685



Electric Line Extension Policy

- Current = Recover investment in 8 years for all rates classes

- Proposed = Recover investment as follows:
  - Residential = 5 years
  - Small/Medium Commercial = 4 years
  - Industrial = 3 years

Existing Policy Example

- 200 Lot Subdivision
- Construction Cost = $420,000
- Annual Residential Customer Margin = $355

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Homes Built	50	100	150	200	200	200	200	200
Annual Margin	$ 17,733	$ 35,466	$ 53,199	$ 70,932	$ 70,932	$ 70,932	$ 70,932	$ 70,932
Cumulative Margin	$ 17,733	$ 53,199	$ 106,398	$ 177,330	$ 248,262	$ 319,194	$ 390,126	$ 461,058

Developer builds 50 homes per year

Payback in 7.42 Years

- Investment recovered in less than 8 years.
- No contribution-in-aid required.

Proposed Policy Example

- 200 Lot Subdivision
- Construction Cost = $420,000
- Annual Residential Customer Margin = $355

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8
Homes Built	50	100	150	200	200	200	200	200
Annual Margin	$ 17,733	$ 35,466	$ 53,199	$ 70,932	$ 70,932	$ 70,932	$ 70,932	$ 70,932
Cumulative Margin	$ 17,733	$ 53,199	$ 106,398	$ 177,330	$ 248,262	$ 319,194	$ 390,126	$ 461,058

Developer builds 50 homes per year

Payback in 5 Years with contribution-in-aid

- Investment recovered in more than 5 years.
- Contribution-in-aid is required, **paid prior to construction**.

= ($420,000 - $248,262) = **$171,738**

Natural Gas Rate Study

Significant Assumptions

Fiscal Year	Inflation	Growth	Purchased Gas Change	Investment Income	Capital Program
2025	4.0%	8.0%	3.3%	4.0%	$ 5,310,000
2026	4.0%	5.0%	3.3%	3.0%	5,325,000
2027	3.0%	5.0%	3.3%	1.0%	5,325,000
2028	3.0%	5.0%	3.3%	0.5%	5,290,000
2029	3.0%	5.0%	3.3%	0.5%	5,285,000

Natural Gas Rate Study

Debt Coverage Ratio (no rate change)

Description	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029
Debt Coverage Ratio					
Net Income	$ 3,417,396	$ 2,942,078	$ 2,588,551	$ 2,900,618	$ 3,453,787
Add Depreciation/Amortization Expense	2,266,724	2,347,405	2,508,769	2,669,602	2,829,830
Add Interest Expense	1,269,064	1,195,043	1,122,242	1,040,922	955,431
Cash Generated from Operations	$ 6,953,184	$ 6,484,526	$ 6,219,562	$ 6,611,142	$ 7,239,047
Debt Principal and Interest	$ 2,759,244	$ 2,757,644	$ 2,758,771	$ 2,761,063	$ 2,754,254
Projected Debt Coverage Ratio (Covenants)	**2.52**	**2.35**	**2.25**	**2.39**	**2.63**
Minimum Debt Coverage Ratio	**1.40**	**1.40**	**1.40**	**1.40**	**1.40**

Natural Gas Rate Study

Cash Policy

Description	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029
Minimum Cash Reserve Levels Determinants					
Annual O&M (Less Depreciation & Gas Expense)	$ 5,054,879	$ 5,260,039	$ 5,471,928	$ 5,690,768	$ 5,916,785
Annual Purchased Gas Expense	12,274,802	13,045,110	13,472,989	13,914,903	14,371,312
Projected Operating Expenses	**$ 17,329,681**	**$ 18,305,149**	**$ 18,944,917**	**$ 19,605,671**	**$ 20,288,097**
City of Monroe Cash Policy	**$ 10,397,809**	**$ 10,983,089**	**$ 11,366,950**	**$ 11,763,402**	**$ 12,172,858**

- The City's cash policy is 60% of budgeted operating expenses are what we hold in reserve.

Natural Gas Rate Study

Target Operating Income (no rate change)

Description	Projected 2025	Projected 2026	Projected 2027	Projected 2028	Projected 2029
Target Operating Income Determinants					
Net Book Value/Working Capital	$ 75,908,121	$ 78,885,716	$ 81,701,947	$ 84,322,345	$ 86,777,515
Outstanding Principal on Debt	29,287,011	27,724,410	26,087,881	24,367,740	22,568,916
Contributed Capital Value "Estimated"	-	-	-	-	-
System Equity	$ 46,621,110	$ 51,161,306	$ 55,614,066	$ 59,954,604	$ 64,208,599
Debt:Equity Ratio	39%	35%	32%	29%	26%
Target Operating Income Allocation					
Average Interest on Debt	4.33%	4.31%	4.30%	4.27%	4.23%
System Equity	4.28%	4.86%	4.92%	4.99%	5.06%
Target Operating Income					
Interest on Debt Recovery	$ 1,269,064	$ 1,195,043	$ 1,122,242	$ 1,040,922	$ 955,431
System Equity	1,995,298	2,488,086	2,738,102	2,991,544	3,249,846
Target Operating Income	**$ 3,264,362**	**$ 3,683,128**	**$ 3,860,344**	**$ 4,032,466**	**$ 4,205,277**
Projected Operating Income	**$ 3,033,784**	**$ 2,931,096**	**$ 3,324,766**	**$ 3,757,847**	**$ 4,232,724**
Rate of Return in %	**4.3%**	**4.7%**	**4.7%**	**4.8%**	**4.8%**

Natural Gas Rate Study

COS Summary Financial Results

Fiscal Year	Proposed Revenue Adjustments	Debt Coverage Ratio	Projected Operating Income	Optimal Operating Income	Projected Cash Balances	Customer Cash Policy
2025	0.00%	2.52	$ 3,033,784	$ 3,264,362	$ 40,200,839	$ 10,397,809
2026	0.00%	2.35	2,931,096	3,683,128	38,602,721	10,983,089
2027	0.00%	2.25	3,324,766	3,860,344	36,738,513	11,366,950
2028	0.00%	2.39	3,757,847	4,032,466	35,298,592	12,172,858
2029	0.00%	2.63	4,232,724	4,205,277	34,498,384	13,315,744

- Projected Cash for FY 25 = $40,200,839

Natural Gas Rate Recommendation

- No change to current rates

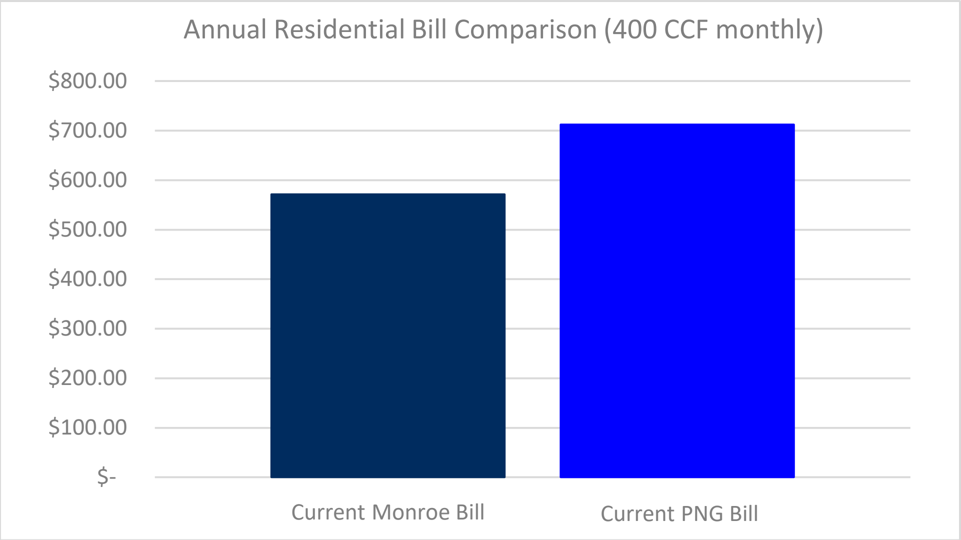
Natural Gas Bill Comparison

Residential

Average Customer 400 CCF

Current Monthly = $48

Current Annual = $560

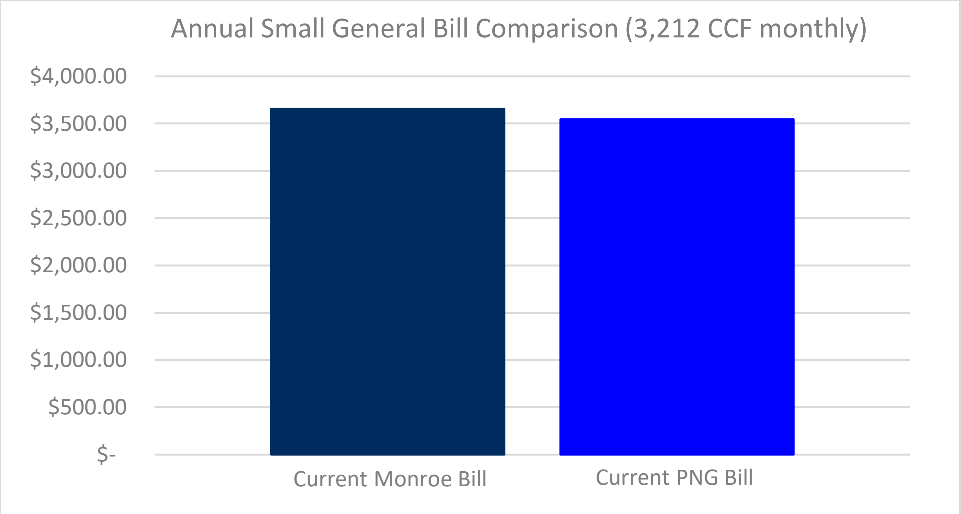


Small General

Average Customer 3212 CCF

Current Monthly = $305

Current Annual = $3,660



Natural Gas Line Extension Policy

- Current = Recover investment in 8 years for all rates classes
- Proposed = Remain the same

- Differences between Electric and Natural Gas
  - Electric is a required utility, Natural Gas is not
    - Some new subdivisions already choosing not to install natural gas
  - Asset life of PE Pipe = 60 to 100 years
    - Asset life of EL Wire = 50 years

Natural Gas Transportation Rate

- Current = 15,000 DTs per month
  - PNG = 1,500 DTs per month

- Proposed = 5,000 DTs per month

- Allows the City more daily gas volumes under current contracts for growth.
- Delays LNG plant expansion.
- Allows additional large customers to purchase their own natural gas with similar margins.

Questions

CITY OF MONROE

FEE SCHEDULE
ORDINANCE

ADOPTED: ~~May 14~~June 11, 2024
EFFECTIVE: July 1, 2024

CHAPTER VI. ELECTRIC

ARTICLE A. ELECTRIC SERVICE FEES

Section 1. Underground Electric Service Charges - Service Installed by City of Monroe.

New Residential Service	No Charge
Convert Existing Residential Overhead	Estimated Cost
New Commercial Service	No Charge
Convert Existing Commercial Overhead	Estimated Cost*

*Charge for this type of service will be the actual labor equipment and materials cost to the City of Monroe. Special consideration will be given to waive charges if determined that converting existing service will benefit the City of Monroe.

ARTICLE B. ELECTRIC RATES

LEGACY CUSTOMER LIGHTING SERVICE – SCHEDULE LL

AVAILABILITY. This schedule is available only to existing lighting customers. Service under the Legacy Customer Lighting Service will only be provided to facilities constructed in conformance with the City's specification, prior to November 9, 2022.

TYPE OF SERVICE. Legacy lighting units are being replaced by a new industry standard, Light Emitting Diodes (LED). LED lights are more energy efficient, brighter and more durable than legacy lights. Effective November 9, 2022, LED lights are the new standard of lighting for the City of Monroe. Legacy lighting units such as Mercury Vapor (MV), Metal Halide (MH) and High Pressure Sodium (HPS) legacy lights are no longer available for new installations. Existing legacy lighting accounts are still serviced; however, any legacy lighting units which need to be replaced shall be replaced with LED units.

Service under this schedule includes installation, maintenance, and electric energy. Illumination shall be from dusk to dawn. Initial installation includes the lighting unit, one pole, and one span of overhead secondary from an existing pole line. (Additional spans of secondary, poles, pole grounds, etc., must be paid by the consumer at actual cost of installation or at the monthly rate designated.) All items of material and equipment used to make the installation remain the property of the City.

Legacy Units*	Description: Power / Illumination / Energy	Rate Code	MONTHLY CHARGE
Area Light			
High Pressure Sodium Vapor (HPS)	100 Watts/9,500 Lumens/47 kWh	A04	$13.55
	250 Watts/27,500 Lumens/104 kWh	A03	$19.35
	250 Watts/27,500 Lumens/104 kWh – Mongoose Light	A18	$28.46
	400 Watts Decorative/156 kWh	A15	$34.37
Metal Halide Decorative Fixture (MH)	400 Watts/36,000 Lumens/156 kWh	A12	$34.37
	400 Watts/50,000 Lumens/156 kWh – Mongoose Light	A19	$34.37
	1,000 Watts/107,800 Lumens/250 kWh	A13	$74.72
	100 Watts/9,500 Lumens/47 kWh	A17	$17.65

Semi-enclosed Luminaire with Mercury Lamp	175 Watts/7,200 Lumens		$13.66
Enclosed Luminaire with Mercury Lamp	175 Watts/7,200 Lumens/82 kWh		$14.60
	400 Watts/21,000 Lumens		$19.52
	1500 Watts		$75.78
LED Fixture	213 Watts Input/17,679 Lumens/83 kWh	A16	$37.25
Flood Light			
High Pressure Sodium Vapor (HPS)	250 Watts/27,500 Lumens/104 kWh	A10	$28.46
	400 Watts/50,000 Lumens/156 kWh	A11	$34.37
Metal Halide (MH)	400 Watts/34,000 Lumens/180 kWh	A08	$34.37
	1,000 Watts/107,800 Lumens/250 kWh	A06	$74.72

**Legacy Lighting Units Such as Mercury Vapor (MV), Metal Halide (MH) and High Pressure Sodium (HPS) are no longer available for new installations. Existing legacy lighting accounts are still serviced; however, any legacy lighting units which need to be replaced shall be replaced with LED units.*

Pole Material	**Description: Size and features**	**Rate Code**	**MONTHLY CHARGE**
Steel	Standard	FCS	$21.79
Aluminum	Black Smoother Fluted Finish / 14 ft	FCA	$16.75
Fiberglass	Decorative / Over 20 ft.	FCF	$8.41
Fiberglass	Decorative / 20 ft. and under	FCU	$4.80
Wood	Standard / Up to 35 ft.	FCW	No Charge

RESIDENTIAL CUSTOMER LIGHTING SERVICE – SCHEDULE RL

AVAILABILITY. This schedule is available only to any individual Residential consumer. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. Light Emitting Diode (LED) lights are the new standard of lighting for the City of Monroe. LED lights are more energy efficient, brighter and more durable than legacy lights. See table below for specific LED units available. Service includes installation, maintenance, and electric energy. Illumination shall be from dusk to dawn. Initial installation includes the lighting unit, one pole, and one span of overhead secondary from an existing pole line. (Additional spans of secondary, poles, pole grounds, etc., must be paid by the consumer at actual cost of installation or at the monthly rate designated.) All items of material and equipment used to make the installation remain the property of the City.

MONTHLY RATE.

Light Emitting Diode (LED) Unit	**Description: Power / Illumination / Energy**	**Rate Code**	**MONTHLY CHARGE**
Area Light	50 Watts/6,485 Lumens/18.3 kWh	*A25*	*$13.55*
Flood Light	180 Watts/25,883 Lumens/65.7 kWh	*A31*	*$28.46*

Pole Material	**Description: Size and features**	**Rate Code**	**MONTHLY CHARGE**
Wood	Standard / Up to 35 ft.		No Charge

**Mercury Vapor (MV), Metal Halide (MH) and High Pressure Sodium (HPS) legacy lights are no longer available for new installations. Existing legacy lighting accounts are still serviced; however, any legacy lighting units which need to be replaced shall be replaced with LED units.*

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

Effective for service as determined by meter readings on and after November 9, 2022.

COMMERCIAL/INDUSTRIAL CUSTOMER LIGHTING SERVICE – SCHEDULE CIL

AVAILABILITY. This schedule is available only to any individual Commercial/Industrial consumer. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. See below for specific units. Service includes installation, maintenance, and electrical energy. Illumination shall be from dusk to dawn. Initial installation includes the lighting unit, one pole and one span of overhead secondary from an existing pole line. (Additional spans of secondary, poles, pole grounds, etc., must be paid by the consumer at actual cost of installation or at the monthly rate designated.)

All items of material and equipment used to make the installation remain the property of the City.

MONTHLY RATE

Light Emitting Diode (LED) Unit	Description: Power / Illumination / Energy	Rate Code	MONTHLY CHARGE
Area Light	50 Watts / 6,485 Lumens / 18.3 kWh	A25	$13.55
Flood Light	180 Watts / 25,883 Lumens / 65.7 kWh	A31	$28.46
	322 Watts / 46,802 Lumens / 117.5 kWh	A26	$74.72
Parking/Street Lights	234 Watts / 30,161 Lumens / 85.4 kWh	A32	$34.37
	200 Watts / 28,896 Lumens / 73.0 kWh	A36	$37.25
	94 Watts / 11664 Lumens / 34.3 kWh	A23	$19.35
	40 Watts / 5,541 Lumens / 14.6 kWh	A24	$13.55
	234 Watts / 30,616 Lumens / 85.4 kWh	A39	$34.37
	151 Watts / 19,667 Lumens / 55.1 kWh	A38	$28.46
Decorative Light	54 Watts / 6,559 Lumens / 19.7 kWh	A37	$17.65
Decorative Light*	80 Watts / 9,210 Lumens / 29.2 kWh	A40	$17.15

**Only available for City of Monroe Downtown area and other Facilities.*

Pole Material	Description: Size and features	Rate Code	MONTHLY CHARGE
Aluminum*	Black Smart Trac Pole, Anchor based / 17 ft	FCB	$28.82
Aluminum*	Black Smart Trac Pole, Embedded / 17 ft	FCE	$19.04
Steel	Standard	FCS	$21.79
Aluminum	Black Smoother Fluted Finish / 14 ft	FCA	$16.75
Fiberglass	Decorative / Over 20 ft.	FCF	$8.41
Fiberglass	Decorative / 20 ft. and under	FCU	$4.80
Wood	Standard / Up to 35 ft.	FCW	No Charge

**Only available for City of Monroe Downtown area and other Facilities.*

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

Effective for service as determined by meter readings on and after November 9, 2022.

COMMERCIAL TIME OF USE SERVICE – SCHEDULE CTOU

AVAILABILITY. This rate schedule is available non-residential electric customers within the territory served by the City with a demand less than 500 Kw. The obligations of the City in regard to supplying electric service are dependent upon its securing and retaining all necessary rights-of-way, privileges and permits for the delivery of such service. The City shall not be liable to any customer or applicant for electric service in the event it is delayed in, or is prevented from, furnishing the electric service by its failure to secure and retain such rights-of-way, privileges and permits. If contract for service is made after July 1, 2006, then demand of the new load must not exceed 20,000 kW.

Once a qualified Customer elects service under this Rate Schedule, service will be provided under the terms and conditions of this Rate Schedule for a term extending through the following June 30. A Customer may, subject to the consent of the City, elect to discontinue service under this Rate Schedule and receive service under another applicable Rate Schedule by giving written notice to the City prior to March 1 of any year. Proper notice having been provided and written consent received from the City, the Customer shall discontinue service under this Rate Schedule effective the first July 1 following the notice.

APPLICABILITY. This rate schedule is applicable to non-domestic customers who operate twenty-four hours a day, seven days a week. Power delivered under this rate schedule shall not be used for resale or exchange or in parallel with other electric power, or as a substitute for power contracted for or which may be contracted for, under any other rate schedule of the City, except at the option of the City.

CHARACTER OF SERVICE. Service under this rate schedule shall be 60 Hertz through one meter, at one delivery point, at one of the approximate voltages:

- Single-phase, 120/240 volts;
- Three-phase, 208Y/120 volts, 460Y/265 volts, 480Y/277 volts;
- Three-phase voltages other than these listed may be available at the option of the City.

Where three-phase service is not available, it may be extended to the customer's premises at the City's discretion. The customer may be required to participate in the expense of extending such service. Motors of less than 5 H.P. may be single-phase. All motors of more than 5 H.P. must be equipped with starting compensatory. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation

SPECIAL CONDITIONS. Before wiring any premises or purchasing equipment for same, the customer shall give the City notice in writing of the location of the building, together with a list of electrical devises to be used thereon, and shall ascertain in the character of service available at such premises. They City shall specify the voltage and type of electrical service to be furnished as well as the location of the meter and the point where the service connections shall be made.

MONTHLY RATE

Basic Customer Charge	$~~50~~60.00
Demand Charge	
On-Peak Demand Charge per Month	$17.25 per kW
Economy Demand Charge per Month	$2.50 per kW
Energy Charge	
All On-Peak Energy per Month	$~~0.0855~~0.07214 per
All Off-Peak Energy per Month	$~~0.0611~~0.04774 per

SALES TAX. Any applicable sales tax will be added to the monthly bill as determined above.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

	Summer Months (May – September)	Winter Months (October – April)
On-Peak Period Hours	1:00 p.m. - 7:00 p.m. Monday – Friday	7:00 a.m. - 10:00 a.m. Monday – Friday
Off-Peak Period Hours	All other weekday hours and all Saturday and Sunday hours	

DEFINITION OF MONTH. The term "month" as used in this rate schedule means the period intervening between meter readings for the purpose of monthly billings. Readings are taken each month at intervals of approximately thirty days.

CONTRACT DEMAND. The City will require contracts to specify the maximum demand to be delivered to the customer, which shall be the Contract Demand. Where the customer can restrict on-peak demand to levels considerably below that of the Contract Demand, the City may also contract for a limited On-Peak Contract Demand in addition to the Contract Demand.

DETERMINATION OF BILLING DEMAND

A. The On-Peak Billing Demand each month shall be the maximum integrated thirty minute demand during the on-peak period during the month for which the bill is rendered.
B. The Economy Demand shall be the difference between the off-peak and on-peak integrated thirty-minute demands.

MINIMUM CHARGE. The minimum charge shall be the bill calculated on the rate above including the Basic Customer Charge, Demand Charge and Energy Charge. If the customer's measured demand exceeds the Contract Demand, the City may at any time establish the minimum based on the maximum integrated demand in the previous twelve months including the month for which the bill is rendered.

POWER FACTOR CORRECTION. Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

SERVICE CONTRACT. Application and contract in writing shall be required which, when accepted by the City, shall constitute the contract between the customer and the City. No promises, agreements, statements of representations of any agent or employee of the City shall be of any binding force or effect unless the same be incorporated in writing in such contract. The contract shall not be transferable or assignable, without written consent of the City. The original term of this contract shall be one year, and thereafter from year to year upon the condition that either party can terminate the contract at the end of the original term, or at any time thereafter, by giving at least sixty days previous notice of such termination in writing; but the City may require a contract for a longer original term of years where the requirement is justified by the circumstance.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~16~~.

COORDINATED PEAK DEMAND – SCHEDULE CP

AVAILABILITY. This schedule is available only to commercial or industrial consumers for service supplied to the individual establishment purchasing all of its power requirements from the City and whose monthly demand exceeds 600 kW or whose energy usage is at least equivalent to a 600 kW demand with a 40% load factor, and for whom facilities are installed to coordinate reduction of power requirements on the City's electrical system during system peak periods. If contract for service is made after July 1, 2006, then demand of the new load must equal or exceed 600 kW, but not exceed 20,000 kW.

Once a qualified Customer elects service under this Rate Schedule, service will be provided under the terms and conditions of this Rate Schedule for a term extending through the following June 30. A Customer may, subject to the consent of the City, elect to discontinue service under this Rate Schedule and receive service under another applicable Rate Schedule by giving written notice to the City prior to March 1 of any year. Proper notice having been provided and written consent received from the City, the Customer shall discontinue service under this Rate Schedule effective the first July 1 following the notice.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at one of the following voltages.

- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6 13.2 or 19.9/34.5 kV, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current.

Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge	$500.00
B.	Demand Charge	
	Annual Coincident Peak Demand-All kW	$1.50 per kW
	Excess Demand	$2.45 per kW
	Monthly Coincident Peak Demand	
	June through September	$19.75 per kW
	October through May	$11.15 per kW
C.	Energy Charge	
	June-September On-Peak Energy	$~~0.07290~~0.06668
	Off-Peak Energy	$~~0.04740~~0.04118
	October-May: On-Peak Energy	$~~0.06190~~0.05568
	Off-Peak Energy	$~~0.04160~~0.03538

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DEMAND BILLING QUANTITIES. Coincident Peak Billing Demand shall be the average kW demand measured

Schedule CP
Page 2

in the on peak period used by the North Carolina Municipal Power Agency Number 1 for wholesale billing purposes during the corresponding month of Customer's billing. Excess Demand shall be the highest 30-minute demand recorded during the current billing month, less the Monthly Coincident Peak Demand for the current billing month. The Annual Coincident Peak Demand shall be the customer's average kW demand measured in the on peak period used by the North Carolina Municipal Power Agency Number 1 to determine the City of Monroe's Annual Peak Demand.

ON-PEAK ENERGY For billing purposes in any month the on-peak energy shall be the metered energy during the On-Peak Energy Period, whereby the On-Peak Energy Period is defined as weekdays from 7:00 AM to 11:00 PM EPT.

OFF-PEAK ENERGY For billing purposes in any month the off-peak energy shall be the total energy metered for the month less the on-peak energy.

NOTIFICATION BY CITY. The City will use diligent efforts to predict each monthly system peak and notify the Customer in advance; however, the City is not able to guarantee an accurate prediction, and notice will be provided. Notification by the City will be provided to the customer by direct telephone communications or automatic signal, as mutually agreed. The Customer will hold the City harmless in connection with its response to notification.

POWER FACTOR CORRECTION. Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

EXTRA FACILITIES. The City will furnish and install facilities not normally required for service under this rate schedule upon reimbursement by the Customer or agreement from the Customer to pay a facilities charge of 1.7% of the total installed cost per month. Customer will pay a facilities charge of 1.7% of the total installed cost of special demand metering required by this schedule. This special demand metering requires that a telephone circuit be provided for each meter for remote meter reading via modem. This telephone circuit can be provided by the Customer or by the City, subject to a facilities charge.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~16~~.

COORDINATED PEAK DEMAND RATE-NEW CONSTRUCTION – SCHEDULE CPNC

AVAILABILITY. This rate is available only to commercial or industrial loads resulting from new construction which begin receiving service after August 1, 2004 and before June 1, 2014. This service is not available to existing buildings or premises that have had electric service from the City prior to August 1, 2004. The demand of the new load must equal or exceed 250 kW during at least three months of a twelve- month period. If contract for service is made after July 1, 2006, then demand of the new load must equal or exceed 250 kW during at least three months of a twelve-month period, but not exceed 20,000 kW. Service under this Schedule shall be used solely by the contracting customer in a single enterprise, located entirely on a single contiguous site or premises. This Schedule is not available for auxiliary or breakdown service and power delivered hereunder shall not be used for resale or exchange or in parallel with other electric power, or as a substitute for power contracted for or which may be contracted for under any other schedule of the City, except at the option of the City, under special terms and conditions expressed in writing in the contract with the Customer. The obligations of the City in regard to supplying power are dependent upon its securing and retaining all necessary rights-of-way, privileges, franchises, and permits for the delivery of such power, and the City shall not be liable to any customer or applicant for power in the event the City is delayed in, or is prevented from furnishing the power by its failure to secure and retain such rights-of-way, rights, privileges, franchises, and/or permits.

TYPE OF SERVICE. The City will furnish 60-Hertz service through one meter, at one delivery point, at one of the following approximate voltages where available:

- Single–phase, 120/240 volts; or
- 3 phase, 208Y/120 volts, 480Y/277 volts; or
- 3 phase, 3 wire, 240, 480, 575, or 2400 volts, or
- 3 phase 4160Y/2400, 13200Y/7620, or 34500Y/19920 volts.

The type of service supplied will depend upon the voltage available at or near the Customer's location. Prospective customers should ascertain the available voltage by inquiry at the office of the City before purchasing equipment. Motors of less than 5 HP may be single-phase. All motors of more than 5 HP must be equipped with starting compensators and all motors of more than 25 HP must be of the slip ring type except that the City reserves the right, when in its opinion the installation would not be detrimental to the service of the City, to permit other types of motors.

MONTHLY RATE

A.	Basic Customer Charge	$500.00
B.	Demand Charge	
	Annual Coincident Peak Demand-All kW	$0.75 per kW
	Excess Demand (all months)	$2.35 per kW
	Monthly Billing Demand	
	Summer (June through September)	$18.37 per kW
	Winter (October through May)	$10.37 per kW
C.	Energy Charges	
	June-September: On-Peak Energy	$~~0.0729~~0.06379 per
	Off-Peak energy	$~~0.0474~~0.03829 per
	October-May On-Peak Energy	$~~0.0619~~0.05279 per
	Off-Peak Energy	$~~0.0416~~ 0.03249

34

DEFINITION OF "MONTH." The term "month" as used in the Schedule means the period intervening between meter readings for the purposes of monthly billing, such readings being taken once a month.

DETERMINATION OF BILLING DEMAND

On-Peak Demand: Billing Demand shall be the average of the integrated clock hour kW demands measured during the hours of the On-Peak Period on the day identified as the Peak Management Day used by the North Carolina Municipal Power Agency Number 1 (NCMPA1) for wholesale billing purposes during the corresponding month of Customer's billing.

On-Peak Periods: On-peak periods are non-holiday weekdays during the following times:

June-September	2 p.m. – 6 p.m.
December-February	7 a.m. – 9 a.m.
All other months	7 a.m. – 9 a.m. and 2 p.m. – 6 p.m.

Holidays: The following days of each calendar year are considered holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday following Thanksgiving Day, and Christmas Day. In the event that any of the foregoing Holidays falls on a Saturday, the preceding Friday shall be deemed to be the Holiday. In the event any of the foregoing Holidays falls on a Sunday, the following Monday shall be deemed to be the Holiday.

Peak Management Days: Peak Management Days are the days on which NCMPA1 notifies its Participants to activate their peak management programs during On-Peak periods. The Peak Management Day used to establish the city's wholesale billing demand is the one Peak Management Day during the month on which NCMPA1 experienced the greatest average load (determined as the average of NCMPA1's integrated hourly loads during the hours of the On-Peak Period).

EXCESS DEMAND- Excess demand shall be the difference between the maximum integrated clock hour kW demand recorded during the current billing month and the Billing Demand for the same billing month.

ON-PEAK ENERGY- For billing purposes in any month the on-peak energy shall be the metered energy during the On-Peak Energy Period, whereby the On-Peak Energy Period is defined as weekdays from 7:00 AM to 11:00 PM EST.

OFF-PEAK ENERGY- For billing purposes in any month the off-peak energy shall be the total energy metered for the month less the on-peak energy.

NOTIFICATION BY CITY- The City will use diligent efforts to provide advance notice to the Customer of Peak Management Days if requested. However, the City does not guarantee that advance notice will be provided. Notification by the City will be provided to the Customer by direct telephone communications or automatic signal, as mutually agreed. The Customer will hold the City harmless in connection with its response to notification.

DETERMINATION OF ENERGY- The kWh of energy shall be the sum of all energy used during the current billing month as indicated by watts–hour meter readings.

POWER FACTOR CORRECTION- Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

Schedule – CPNC
Page 3

SALES TAX- Applicable North Carolina sales tax shall be added to the customer's total charges for each month, determined in accordance with the above electric rates.

PURCHASED POWER ADJUSTMENT- The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~15~~.

INDUSTRIAL COORDINATED PEAK DEMAND – SCHEDULE ICP

AVAILABILITY. This schedule is available only to industrial consumers for service supplied to the individual establishment purchasing all of its power requirements from the City and whose monthly demand exceeds 1000 kW, and for whom facilities are installed to coordinate reduction of power requirements on the City's electrical system during system peak periods. If contract for service is made after July 1, 2006, then demand of the new load must equal or exceed 1000 kW, but not exceed 20,000 kW.

Once a qualified Customer elects service under this Rate Schedule, service will be provided under the terms and conditions of this Rate Schedule for a term extending through the following June 30. A Customer may, subject to the consent of the City, elect to discontinue service under this Rate Schedule and receive service under another applicable Rate Schedule by giving written notice to the City prior to March 1 of any year. Proper notice having been provided and written consent received from the City, the Customer shall discontinue service under this Rate Schedule effective the first July 1 following the notice.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at one of the following voltages.

- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6 13.2 or 19.9/34.5 kV, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge	$500.00
B.	Demand Charge	
	Annual Coincident Peak Demand-All kW	$1.50 per kW
	Excess Demand	$2.35 per kW
	Monthly Coincident Peak Demand	
	June through September	$19.75 per kW
	October through May	$11.15 per kW
C.	Energy Charge	
	June-September On-Peak Energy	$~~0.0685~~0.06330 per
	Off-Peak Energy	$~~0.0448~~0.03960 per
	October-May On-Peak Energy)	$~~0.0577~~0.05250 per
	Off-Peak Energy	$~~0.0387~~0.03350 per

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DEMAND BILLING QUANTITIES. Coincident Peak Billing Demand shall be the average kW demand measured in the on peak period used by the North Carolina Municipal Power Agency Number 1 for wholesale billing purposes during the corresponding month of Customer's billing. Excess Demand shall be the highest 30-minute demand recorded during the current billing month, less the Monthly Coincident Peak Demand for the current billing month. The Annual Coincident Peak Demand shall be the customer's average kW demand measured in the on peak period used by the North Carolina Municipal Power Agency Number 1 to determine the City of Monroe's Annual Peak Demand.

ON-PEAK ENERGY- For billing purposes in any month the on-peak energy shall be the metered energy during the On-Peak Energy Period, whereby the On-Peak Energy Period is defined as weekdays from 7:00 AM to 11:00 PM EPT.

OFF-PEAK ENERGY- For billing purposes in any month the off-peak energy shall be the total energy metered for the month less the on-peak energy.

NOTIFICATION BY CITY- The City will use diligent efforts to predict each monthly system peak and notify the Customer in advance; however, the City is not able to guarantee an accurate prediction, and notice will be provided. Notification by the City will be provided to the customer by direct telephone communications or automatic signal, as mutually agreed. The Customer will hold the City harmless in connection with its response to notification.

POWER FACTOR CORRECTION- Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

EXTRA FACILITIES- The City will furnish and install facilities not normally required for service under this rate schedule upon reimbursement by the Customer or agreement from the Customer to pay a facilities charge of 1.7% of the total installed cost per month. Customer will pay a facilities charge of 1.7% of the total installed cost of special demand metering required by this schedule. This special demand metering requires that a telephone circuit be provided for each meter for remote meter reading via modem. This telephone circuit can be provided by the Customer or by the City, subject to a facilities charge.

SERVICE REGULATIONS- The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD- The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~16~~.

INDUSTRIAL SERVICE – SCHEDULE IND

AVAILABILITY. This schedule is available only to industrial consumers for manufacturing processes and other power service supplied to the individual industrial establishment purchasing all of its power requirements from the City and having a demand greater than 1,000 kW. If contract for service is made after July 1, 2006, then demand of the new load must equal or exceed 1000 kW, but not exceed 20,000 kW.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at one of the following voltages.

- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6/13.2 or 19.9/34.5 kW, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge	$500.00
B.	Demand Charge	
	First 50 kW	$10.25 per kW
	Over 50 kW	$10.25 per kW
C.	Energy Charge	
	First 100 kWh/kW	
	First 150,000 kWh	$~~0.0795~~0.06974 per
	Over 150,000 kWh	$~~0.0737~~0.06394 per
	Next 200 kWh/kW	$~~0.0684~~0.05864 per
	Over 300 kWh/kW	$~~0.065~~0.05524 per

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SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF BILLING DEMAND. The Billing Demand shall be the highest 30-minute demand recorded during the current billing month.

POWER FACTOR CORRECTION. Where the power factor of the consumer's installation is less than 85%, the city may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~15~~.

LARGE COMMERCIAL TIME OF USE SERVICE – SCHEDULE LCTOU

AVAILABILITY. This rate schedule is available non-residential electric customers within the territory served by the City with a demand of 500 Kw or greater. The obligations of the City in regard to supplying electric service are dependent upon its securing and retaining all necessary rights-of-way, privileges and permits for the delivery of such service. The City shall not be liable to any customer or applicant for electric service in the event it is delayed in, or is prevented from, furnishing the electric service by its failure to secure and retain such rights-of-way, privileges and permits. If contract for service is made after July 1, 2006, then demand of the new load must not exceed 20,000 kW.

Once a qualified Customer elects service under this Rate Schedule, service will be provided under the terms and conditions of this Rate Schedule for a term extending through the following June 30. A Customer may, subject to the consent of the City, elect to discontinue service under this Rate Schedule and receive service under another applicable Rate Schedule by giving written notice to the City prior to March 1 of any year. Proper notice having been provided and written consent received from the City, the Customer shall discontinue service under this Rate Schedule effective the first July 1 following the notice.

APPLICABILITY. This rate schedule is applicable to non-domestic customers who operate twenty-four hours a day, seven days a week. Power delivered under this rate schedule shall not be used for resale or exchange or in parallel with other electric power, or as a substitute for power contracted for or which may be contracted for, under any other rate schedule of the City, except at the option of the City.

CHARACTER OF SERVICE. Service under this rate schedule shall be 60 Hertz through one meter, at one delivery point, at one of the approximate voltages:

- Single-phase, 120/240 volts;
- Three-phase, 208Y/120 volts, 460Y/265 volts, 480Y/277 volts;
- Three-phase voltages other than these listed may be available at the option of the City.

Where three-phase service is not available, it may be extended to the customer's premises at the City's discretion. The customer may be required to participate in the expense of extending such service. Motors of less than 5 H.P. may be single-phase. All motors of more than 5 H.P. must be equipped with starting compensatory. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation

SPECIAL CONDITIONS. Before wiring any premises or purchasing equipment for same, the customer shall give the City notice in writing of the location of the building, together with a list of electrical devises to be used thereon, and shall ascertain in the character of service available at such premises. They City shall specify the voltage and type of electrical service to be furnished as well as the location of the meter and the point where the service connections shall be made.

MONTHLY RATE

Basic Customer Charge	$~~250~~300.0
Demand Charge	
On-Peak Demand Charge per Month	$16.70 per kW
Economy Demand Charge per Month	$2.50 per kW
Energy Charge	
All On-Peak Energy per Month	$~~0.0782~~0.06832 per
All Off-Peak Energy per Month	$~~0.056~~0.04612 per

SALES TAX. Any applicable sales tax will be added to the monthly bill as determined above.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

	Summer Months (May – September)	Winter Months (October – April)
On-Peak Period Hours	1:00 p.m. - 10:00 p.m. Monday – Friday	7:00 a.m. - 1:00 p.m. Monday – Friday
Off-Peak Period Hours	All other weekday hours and all Saturday and Sunday hours	

DEFINITION OF MONTH. The term "month" as used in this rate schedule means the period intervening between meter readings for the purpose of monthly billings. Readings are taken each month at intervals of approximately thirty days.

CONTRACT DEMAND. The City will require contracts to specify the maximum demand to be delivered to the customer, which shall be the Contract Demand. Where the customer can restrict on-peak demand to levels considerably below that of the Contract Demand, the City may also contract for a limited On-Peak Contract Demand in addition to the Contract Demand.

DETERMINATION OF BILLING DEMAND

A. The On-Peak Billing Demand each month shall be the maximum integrated thirty minute demand during the on-peak period during the month for which the bill is rendered.
B. The Economy Demand shall be the difference between the off-peak and on-peak integrated thirty-minute demands.

MINIMUM CHARGE. The minimum charge shall be the bill calculated on the rate above including the Basic Customer Charge, Demand Charge and Energy Charge. If the customer's measured demand exceeds the Contract Demand, the City may at any time establish the minimum based on the maximum integrated demand in the previous twelve months including the month for which the bill is rendered.

POWER FACTOR CORRECTION. Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

SERVICE CONTRACT. Application and contract in writing shall be required which, when accepted by the City, shall constitute the contract between the customer and the City. No promises, agreements, statements of representations of any agent or employee of the City shall be of any binding force or effect unless the same be incorporated in writing in such contract. The contract shall not be transferable or assignable, without written consent of the City. The original term of this contract shall be one year, and thereafter from year to year upon the condition that either party can terminate the contract at the end of the original term, or at any time thereafter, by giving at least sixty days' previous notice of such termination in writing; but the City may require a contract for a longer original term of years where the requirement is justified by the circumstance.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~16~~.

LARGE GENERAL SERVICE – SCHEDULE LG

AVAILABILITY. This schedule is available only to commercial or industrial consumers for service supplied to an individual store, commercial, or industrial establishment purchasing all of its power requirements from the City and having a demand equal to or greater than 30 kW but less than 100 kW within the last 12 consecutive months. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at one of the following voltages.

- Single Phase 120/240
- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6/13.2 or 19.9/34.5 kW, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge		$~~85~~95.00
B.	Demand Charge		
		First 30 kW	$~~3.95~~4.50 per
		Over 30 kW	$6.75 per kW
C.	Energy Charge		
		First 100 kWh/kW	$~~0.10060~~0.08829 per
		Next 200 kWh/kW	$~~0.08550~~0.07319 per
		Over 300 kWh/kW	$~~0.07490~~0.06259 per

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF BILLING DEMAND. The Billing Demand shall be the highest 30-minute demand recorded during the current billing month.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~15~~.

LARGE INDUSTRIAL COORDINATED PEAK DEMAND RATE-NEW CONSTRUCTION SCHEDULE LICPNC

AVAILABILITY. This rate is available only to new industrial loads which contract for service after July 1, 2005 and before June 1, 2014. This service is not available to existing buildings or premises that have had electric service from the City prior to July 1, 2005. The demand of the new load must equal or exceed 5,000 kW during at least three months of a twelve-month period and have a load factor of 60% or greater. If contract for service is made after July 1, 2006, then demand of the new load must equal or exceed 5,000 kW during at least three months of a twelve-month period, but not exceed 20,000 kW, and have a load factor of 60% or greater. Service under this Schedule shall be used solely by the contracting customer in a single enterprise, located entirely on a single contiguous site or premises. This Schedule is not available for auxiliary or breakdown service and power delivered hereunder shall not be used for resale or exchange or in parallel with other electric power, or as a substitute for power contracted for or which may be contracted for under any other schedule of the City, except at the option of the City, under special terms and conditions expressed in writing in the contract with the Customer. The obligations of the City in regard to supplying power are dependent upon its securing and retaining all necessary rights-of-way, privileges, franchises, and permits for the delivery of such power, and the City shall not be liable to any customer or applicant for power in the event the City is delayed in, or is prevented from furnishing the power by its failure to secure and retain such rights-of-way, rights, privileges, franchises, and/or permits.

TYPE OF SERVICE. The City will furnish 60-Hertz service through one meter, at one delivery point, at one of the following approximate voltages where available:

- Single–phase, 120/240 volts; or
- 3 phase, 208Y/120 volts, 480Y/277 volts; or
- 3 phase 4160Y/2400 volts, 13200Y/7620 volts, 34500Y/19920 volts, or
- 3 phase voltages other than the foregoing, but only at the City's option, and provided that the size of the Customer's load and the duration of the Customer's contract warrants a substation solely to serve that Customer, and further provided that the Customer furnish suitable outdoor space on the premises to accommodate a ground-type transformer installation, or substation, or a transformer vault built in accordance with the City's specifications.

The type of service supplied will depend upon the voltage available at or near the Customer's location. Prospective customers should ascertain the available voltage by inquiry at the office of the City before purchasing equipment. Motors of less than 5 HP may be single-phase. All motors of more than 5 HP must be equipped with starting compensators and all motors of more than 25 HP must be of the slip ring type except that the City reserves the right, when in its opinion the installation would not be detrimental to the service of the City, to permit other types of motors.

MONTHLY RATE

A.	Basic Customer Charge	$500.00
B.	Demand Charge	
	Annual Coincident Peak Demand-All kW	$1.50 per kW
	Excess Demand (all months)	$2.35 per kW
	Monthly Billing Demand	
	Summer (June – September)	$19.75 per kW
	Winter (October – May)	$11.15 per kW

MONTHLY RATE (Continued)

C. Energy Charges

June-September	
On-Peak Energy	$~~0.06850~~0.06264 per
Off-Peak Energy	$~~0.04480~~0.03894 per
October-May	
On-Peak Energy	$~~0.05770~~0.05184 per
Off-Peak Energy	$~~0.03870~~0.03284 per

DEFINITION OF "MONTH". The term "month" as used in the Schedule means the period intervening between meter readings for the purposes of monthly billing, such readings being taken once a month.

DETERMINATION OF BILLING DEMAND

On-Peak Demand: Billing Demand shall be the average of the integrated clock hour kW demands measured during the hours of the On-Peak Period on the day identified as the Peak Management Day used by the North Carolina Municipal Power Agency Number 1 (NCMPA1) for wholesale billing purposes during the corresponding month of Customer's billing.

On-Peak Periods: On-peak periods are non-holiday weekdays during the following times:

June-September	2:00 p.m. – 6:00 p.m.
December-February	7:00 a.m. – 9:00 a.m.
All other months	7:00 a.m. – 9:00 a.m. and 2:00 p.m. – 6:00 p.m.

Excess Demand: Excess demand shall be the highest 30-minute demand recorded during the current billing month, less the Monthly Coincident Peak Demand for the current billing month.

Holidays: The following days of each calendar year are considered holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday following Thanksgiving Day, and Christmas Day. In the event that any of the foregoing Holidays falls on a Saturday, the preceding Friday shall be deemed to be the Holiday. In the event any of the foregoing Holidays falls on a Sunday, the following Monday shall be deemed to be the Holiday.

Peak Management Days- Peak Management Days are the days on which NCMPA1 notifies its Participants to activate their peak management programs during On-Peak periods. The Peak Management Day used to establish the city's wholesale billing demand is the one Peak Management Day during the month on which NCMPA1 experienced the greatest average load (determined as the average of NCMPA1's integrated hourly loads during the hours of the On-Peak Period).

ON-PEAK ENERGY- For billing purposes in any month the on-peak energy shall be the metered energy during the On-Peak Energy Period, whereby the On-Peak Energy Period is defined as weekdays from 7:00 AM to 11:00 PM EPT.

OFF-PEAK ENERGY- For billing purposes in any month the off-peak energy shall be the total energy metered for the month less the on-peak energy.

NOTIFICATION BY CITY**:** The City will use diligent efforts to provide advance notice to the Customer of Peak Management Days if requested. However, the City does not guarantee that advance notice will be provided. Notification by the City will be provided to the Customer by direct telephone communications or automatic signal, as mutually agreed. The Customer will hold the City harmless in connection with its response to notification.

DETERMINATION OF ENERGY. The kWh of energy shall be the sum of all energy used during the current billing month as indicated by watts–hour meter readings.

POWER FACTOR CORRECTION. Where the power factor of the Consumer's installation is less than 85%, the City may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor.

CONTRACT PERIOD. Each customer shall enter into a contract to purchase electricity from the City for a minimum original term of one (1) year, and thereafter from year to year upon the condition that either party can terminate the contract at the end of the original term, or at any time thereafter, by giving at least sixty (60) days prior notice of such termination in writing; but the City may require a contract for a longer original term of years where the requirement is justified by the circumstances.

SALES TAX. Applicable North Carolina sales tax shall be added to the customer's total charges for each month, determined in accordance with the above electric rates.

PURCHASED POWER ADJUSTMENT The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

LARGE POWER SERVICE – SCHEDULE LP

AVAILABILITY. This schedule is available only to commercial or industrial consumers for service supplied to an individual store, commercial, or industrial establishment purchasing all of its power requirements from the City and having a demand equal to or greater than 500 kW within the last 12 consecutive months. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60-cycle service through one meter, at one delivery point, at one of the following voltages.

- Single Phase 120/240
- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6/13.2 or 19.9/34.5 kW, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge		$~~250~~300.0
B.	Demand Charge		
		First 50 kW	$9.75 per Kw
		Over 50 kW	$9.75 per Kw
C.	Energy Charge		
		First 100 kWh/kW	$~~0.0757~~0.06621 per
		Next 200 kWh/kW	$~~0.0682~~0.05871 per
		Over 300 kWh/kW	$~~0.0614~~0.05191 per

SALES TAX. Current North Carolina utility sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF BILLING DEMAND. The Billing Demand shall be the highest 30-minute demand recorded during the current billing month.

POWER FACTOR CORRECTION. Where the power factor of the consumer's installation is less than 85%, the city may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

MEDIUM POWER SERVICE – SCHEDULE MP

AVAILABILITY. This schedule is available only to commercial or industrial consumers for service supplied to an individual store, commercial, or industrial establishment purchasing all of its power requirements from the City and having a demand equal to or greater than 100 kW and less than 500 kW within the last 12 consecutive months. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60-cycle service through one meter, at one delivery point at one of the following voltages.

- Single Phase 120/240
- Three Phase 208/120 4-wire Grounded Wye connected circuit
- Three Phase 480/277 4-wire Grounded Wye connected circuit
- Three Phase 7.6/13.2 or 19.9/34.5 kW, 4-wire Grounded Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving Three Phase service shall provide Three Phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge		$~~175~~180.0
B.	Demand Charge		
		First 50 kW	$8.75 per kW
		Over 50 kW	$8.75 per kW
C.	Energy Charge		
		First 100 kWh/kW	$~~0.0865~~0.07468 per
		Next 200 kWh/kW	$~~0.0757~~0.06388 per
		Over 300 kWh/kW	$~~0.0680~~0.05618 per

SALES TAX. Current North Carolina utility sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF BILLING DEMAND. The Billing Demand shall be the highest 30-minute demand recorded during the current billing month.

POWER FACTOR CORRECTION. Where the power factor of the consumer's installation is less than 85%, the city may correct kWh consumption for the month by multiplying by .85 and dividing by the actual power factor

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

RESIDENTIAL TIME OF USE SERVICE – SCHEDULE RTOU

AVAILABILITY. This rate schedule is available to all residential customers within the territory served by the City. The obligations of the City in regard to supplying electric service are dependent upon its securing and retaining all necessary rights-of-way, privileges and permits for the delivery of such service. The City shall not be liable to any customer or applicant for electric service in the event it is delayed in, or is prevented from, furnishing the electric service by its failure to secure and retain such rights-of-way, privileges and permits.

APPLICABILITY. This rate schedule is applicable to all electric service exclusively for domestic purposes to individual (single-family) private residences, condominiums, mobile homes, individually metered apartment units and farm homes. This rate schedule is not applicable to businesses, licensed boarding or rooming houses, fraternity or sorority houses advertised as such, educational institutions or facilities, or apartment houses if served by a single meter. Standby or resale service is not permitted under this rate schedule.

CHARACTER OF SERVICE. Service under this rate schedule shall be alternating current, 60 Hertz, single phase, at the City's option of standard available voltages

MONTHLY RATE

Basic Customer Charge	$~~16~~18.80
Energy Charge	
All On-Peak Energy per Month	$~~0.15920~~0.14975 per
All Off-Peak Energy per Month	$~~0.05850~~0.04905 per

SALES TAX. Any applicable sales tax will be added to the monthly bill as determined above.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

DETERMINATION OF ON-PEAK AND OFF-PEAK HOURS

	Summer Months (May – September)	Winter Months (October – April)
On-Peak Period Hours	7:00 a.m. - 11:00 p.m. Monday – Friday	7:00 a.m. - 11:00 p.m. Monday – Friday
Off-Peak Period Hours	All other weekday hours and all Saturday and Sunday hours	

MINIMUM CHARGE. The minimum monthly charge shall be the Basic Customer Charge.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, 2024~~15~~.

48

RESIDENTIAL SERVICE – SCHEDULE R

AVAILABILITY. This schedule is available only to residential customers in residences, condominiums, mobile homes, or individually metered apartments. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at the following approximate voltage:

- Single Phase 120/240

MONTHLY RATE

A.	Basic Customer Charge		$~~12~~14.00
B.	Energy Charge		
		First 300 kWh	$~~0.122~~0.10590 per
		Next 700 kWh	$~~0.1149~~0.09880 per
		Over 1,000 kWh	$~~0.1149~~ 0.09880

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

SMALL COMMERCIAL SERVICE – SCHEDULE SC

AVAILABILITY. This schedule is available only to commercial consumers for service supplied to an individual store or commercial establishment purchasing all of its power requirements from the City and having a demand less than 30 kW within the last 12 consecutive months. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60-cycle service through one meter, at one delivery point, at one of the following voltages:

- Single Phase 120/240 or
- Three Phase 208/120 or 480/277 volts from a 4 wire Wye connected circuit. (Prospective consumers should ascertain the available type of service by inquiry at the City Hall before purchasing equipment).

Motors in excess of 5 HP must be three phase; however, all motors must be of a type approved by the City and the City may require devices to control the motor starting current. Customers receiving 3-phase service shall provide 3-phase protection. The City will not be liable for single phasing of any installation.

MONTHLY RATE

A.	Basic Customer Charge		$~~25~~26.00
B.	Energy Charge		
		First 1,250 kWh	$~~0.138~~0.12241 per
		Next 1,750 kWh	$~~0.1173~~0.10171 per
		Over 3,000 kWh	$~~0.0997~~ 0.08411per

SALES TAX. Current North Carolina utility sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

RENEWABLE ENERGY PORTFOLIO STANDARD: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

TRAFFIC SIGNAL SERVICE – SCHEDULE TS

AVAILABILITY. This schedule is available only to local governments and authorities for traffic signal and control service. Service will only be provided to facilities constructed in conformance with the City's specifications.

TYPE OF SERVICE. The City will furnish 60 cycle service through one meter, at one delivery point, at single phase 120/240 volts.

MONTHLY RATE

A.	Basic Customer Charge	$10.~~00~~50
B.	Energy Charge	
	All kWh	$~~0.0984~~0.08023 per

SALES TAX. Current North Carolina utilities sales tax shall be added to the above charges.

PURCHASED POWER ADJUSTMENT. The current Purchased Power Adjustment Rate Rider PP-1 shall apply to all service provided under this schedule.

SERVICE REGULATIONS. The applicable provisions of the current Service Regulations are made a part of this Schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

ARTICLE C. ELECTRIC RATE RIDERS

PP-1 PURCHASED POWER ADJUSTMENT RIDER

The proposed electric rate rider listed below is to adjust the individual electric rates tariffs by the increase in the wholesale price of purchase power.

AVAILABILITY: This rate rider applicable to all City of Monroe Electric Service Schedules.

BILLING. The monthly bill computed under all the City's Electric Service Schedules will be increased or decreased by an amount equal to the result of multiplying the kwh used in the current billing cycle by the purchased power adjustment factor. The purchased power adjustment factor shall be calculated so that any projected over or under collection of purchased power costs would be returned or collected through these charges within the following 12 months projected energy sales. The purchased power adjustment factor shall be calculated and approved by the City Council as frequently as deemed necessary but at a minimum shall be calculated and approved at least once per fiscal year.

PURCHASED POWER ADJUSTMENT FACTOR.

Purchased Power Adjustment	$0.00/kwh

Renewable Energy Portfolio Standard: The current Renewable Energy Portfolio Standard Rate Rider REPS shall apply to all service provided under this schedule.

Effective for service as determined by meter readings on and after July 1, ~~2015~~2024.

RENEWABLE ENERGY PORTFOLIO STANDARDS (REPS) CHARGE

APPLICABILITY:
The Renewable Energy Portfolio Standards Charge set forth in this Rider is applicable to all customer accounts receiving electric service from the City of Monroe ("City"), except as provided below. These charges are collected for the expressed purpose of enabling the City to meet its Renewable Energy Portfolio Standards compliance obligations as required by the North Carolina General Assembly in its Senate Bill 3 ratified on August 2, 2007.

MONTHLY RATE:
Monthly electric charges for each customer account computed under the City's applicable electric rate schedule will be increased by an amount determined by the table below:

	Monthly Rates		
DEFINITIONS:	Renewable Efficiency	DSM/Energy Charge	Total REPS
Residential Account	$	$ 0.00	$ ~~0.85~~0.82
Commercial Account	$	$ 0.00	$ ~~4.65~~4.47
Industrial Account	$~~47.20~~ 46.08	$ 0.00	$~~47.92~~46.08

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ELIGIBILITY REQUIREMENTS:
Industrial and Commercial Customer Opt-out: All industrial customers, regardless of size, and large commercial customers with usage greater than one million kWh's per year can elect not to participate in City's demand-side management and energy efficiency measures in favor of its own implemented demand-side management and energy efficiency measures by giving appropriate written notice to the City. In the event such customers "opt-out", they are not subject to the DSM/Energy Efficiency portion of the charges above. All customers are subject to the Renewable Resources portion of the charges above.

AUXILIARY SERVICE ACCOUNTS:
The following service schedules will not be considered accounts because of the low energy use associated with them and the near certainty that customers served under these schedules already will pay a per account charge under another residential, commercial or industrial service schedule:

- Schedule AL and FL – Outdoor Lighting Service (metered and unmetered)
- Schedule AL and FL – Street and Public Lighting Service
- Schedule TS – Traffic Signal Service

SALES TAX: Current North Carolina utilities sales tax shall be added to the above charges.

Effective for service rendered after July 1, ~~2023~~2024.

NC GREENPOWER PROGRAM – RIDER GP-1

AVAILABILITY. This Rider is available on a voluntary basis in conjunction with any of the Municipality's Schedules for Customer who contracts with Municipality for a block or blocks of electricity produced from Renewable Resources provided through the statewide NC GreenPower Program. The maximum number of customers participating under this Rider shall be determined by the maximum number of blocks of electricity available through the NC GreenPower Program. This Rider is not for temporary service or for resale service. The provisions of the Schedule with which this Rider is used are modified only as shown herein.

MONTHLY RATE. In addition to all other charges stated in the Monthly Rate of the Schedule with which this Rider is used, the following charge shall also apply to each block Customer purchases:

$4 per block

This Rider's Monthly Rate shall be applied to Customer's billing regardless of Customer's actual monthly kilowatts-hour consumption. Customer may change the number of monthly blocks purchased once during each year unless otherwise authorized by Municipality.

DEFINITIONS.

1. Block of Electricity: A block of electricity is equal to 100 kWh.

2. Renewable Resources: For purposes of this tariff, Renewable Resources are those renewable resources included in the NC GreenPower Program, which include such renewable resources as solar, wind, small hydro, and biomass placed in service after January 1, 2001 and used to generate electricity delivered to the electric grid in North Carolina.

SPECIAL CONDITIONS. The actual amount of electricity provided by Renewable Resources under this Rider to the statewide electricity grid in North Carolina during any specific month may vary from the number of blocks customers have purchased. However, a true-up of the delivery of the blocks to the purchase of blocks shall be completed within two years of the purchase. The electricity purchased from the Renewable Resources may not be specifically delivered to Customer, but will displace electricity that would have otherwise been produced from traditional generating facilities for delivery to customers within the State of North Carolina. This electricity shall be provided to the electricity grid.

DISTRIBUTION OF RIDER FUNDS. Charges under this Rider will be used to offset the higher cost of producing, purchasing, and/or acquiring the Renewable Resources. The funds collected from customers under this Rider will be distributed as follows:

1. To the North Carolina Advanced Energy Corporation, hereafter called "NCAEC", a nonprofit corporation, for the operational and administrative costs of the NCAEC necessary to administer and promote the state-wide NC GreenPower Program, and

2. To the NCAEC who will provide incremental payments to the generators of the Renewable Resources selected by the NCAEC for the participation in the NC GreenPower Program.

CONTRACT PERIOD. Customer or Municipality may terminate service under this Rider by giving the other party at least thirty (30) days prior notice.

GENERAL. Service rendered under this Rider is subject to the provisions of the most current Municipality's Customer Service Policies, as adopted by its Governing Board. Circumstances and/or actions which may cause the Municipality to terminate the availability of this Rider include but are not limited to: the retail supply of electric generation is deregulated; Municipality's participation in the statewide NC GreenPower Program is terminated; the statewide NC GreenPower Program is terminated; or other regulatory and/or legislative action which supersedes or contravenes the Rider or the NC GreenPower Program.

Effective for bills rendered on and after September 7, 2004.

NC GREENPOWER PROGRAM – RENEWABLE RIDER REN-1

AVAILABILITY. This Rider is available on a voluntary basis in conjunction with any of Municipality's Schedules for Customer who contracts with Municipality for a block or blocks of electricity produced from Renewable Resources provided through the statewide NC GreenPower Program. The maximum number of customers participating under this Rider shall be determined by the maximum number of blocks of electricity available through the NC GreenPower Program. This Rider is not available for temporary, for resale service, or for Customer purchases of less than 100 blocks of electricity under this Rider. Further, Customer's average monthly electric consumption must be equal or greater to 10,000 kWh. The provisions of the Schedule with which this Rider is used are modified only as shown herein.

MONTHLY RATE. In addition to all other charges stated in the Monthly Rate of the Schedule with which this Rider is used, the following charge shall also apply to each block Customer purchases:

$2.50 per block

The minimum monthly charge shall be a charge for 100 blocks of electricity. This Rider's Monthly Rate shall be applied to Customer's billing regardless of Customer's actual monthly kilowatts-hour consumption.

DEFINITIONS.

1. Block of Electricity: A block of electricity is equal to 100 kWh.

2. Renewable Resources: For purposes of this tariff, Renewable Resources are those renewable resources included in the NC GreenPower Program used to generate electricity delivered to the electric grid in North Carolina, which include such renewable resources as solar, wind, small hydro and biomass.

SPECIAL CONDITIONS. The actual amount of electricity provided by Renewable Resources under this Rider to the statewide electricity grid in North Carolina during any specific month may vary from the number of blocks customers have purchased. However, a true-up of the delivery of the blocks to the purchase of blocks shall be completed within two years of the purchase. The electricity purchased from the Renewable Resources may not be specifically delivered to Customer, but will displace electricity that would have otherwise been produced from traditional generating facilities for delivery to customers within the State of North Carolina. This electricity shall be provided to the electricity grid.

DISTRIBUTION OF RIDER FUNDS. Charges under this Rider will be used to offset the higher cost of producing, purchasing, and/or acquiring the Renewable Resources. The funds collected from customers served under this Rider will be distributed as follows:

1. To the North Carolina Advanced Energy Corporation, hereafter called "NCAEC", a nonprofit corporation, for the operational and administrative costs of the NCAEC necessary to administer and promote the state-wide NC GreenPower Program, and

2. To the NCAEC who will provide incremental payments to the generators of the Renewable Resources selected by the NCAEC for the participation in the NC GreenPower Program.

CONTRACT PERIOD. The Contract Period under this Rider shall be for one (1) year. After the initial period, Customer or Municipality may terminate service under this Rider by giving the other party at least thirty (30) days previous written notice.

GENERAL. Service rendered under this Rider is subject to the provisions of the most current Municipality's Customer Service Policies, as adopted by its Governing Board. Circumstances and/or actions which may cause the Municipality to terminate the availability of this Rider include but are not limited to: the retail supply of electric generation is deregulated; Municipality's participation in the statewide NC GreenPower Program is terminated; the statewide NC GreenPower Program is terminated; or other regulatory and/or legislative action which supersedes or contravenes the Rider or the NC GreenPower Program.

Effective for bills rendered on and after September 7, 2004.

RIDER LM-1 FOR LARGE COMMERCIAL ELECTRIC CUSTOMERS WITH NON-PARALLEL GENERATION

AVAILABILITY. This electric rate rider is available to City of Monroe electric customers:

1) Using the any Commercial or Industrial rate, except Schedule CP or Schedule ICP, and
2) Which have a stand-by or emergency generator for non-parallel operation with a capacity of 45 kilowattss or greater.

The customer agrees to actively participate in the Load Management Program of the City of Monroe. The provisions and rates of the applicable rate schedule are modified only as shown herein. This rider is not available for short-term or temporary service, nor is it available for customers on other rate schedules of the City of Monroe.

Billing Credit. A billing credit will be applied to the monthly bill for customer-generated power as follows: Billing Credit = Generated Power x Demand Charge Rate.

Definition of Terms.

1) Demand Charge Rate: $7.96 per kW June through September.

2) Generated Power: The average amount of power (in kilowattss) generated by the customer during the on peak period of the given month.

3) Monthly Coincident Peak: The on peak period during each June through September which determines the monthly billing demand of the City of Monroe under the appropriate all-requirements rate schedule of its wholesale power supplier – North Carolina Municipal Power Agency #1.

Eligibility Requirements and Restrictions

1) In order to receive the billing credit, the customer must operate its generation equipment during the monthly coincident on peak period as requested by the City.
2) If the City of Monroe does not notify the customer of the load management period or if the customer does not operate his generator the on peak period of a given month there will be no billing credit.
3) Because the monthly coincident on peak period cannot be determined until the month is over, the credit on any given monthly bill will be the credit earned during the preceding month.
4) The City of Monroe will contact the customer by telephone or other means to notify the customer of time and length of load management periods. The City will attempt to provide as much prior notice as possible.
5) The customer assumes all costs associated directly or indirectly with the operation of the generator(s) and all other customer owned facilities used in conjunction with this program. The customer assumes all costs associated with any modifications required to its facilities in order to participate in this program.
6) The generated power used in determining the billing credit cannot exceed the customer's billing demand.

Contract Period. The contract period shall be on a month to month basis and shall continue until either party gives the other thirty (30) days' notice.

Metering. The City will install and own at a mutually agreed upon point all metering and recording equipment to determine the customer's generator output during the monthly coincident peak. The City's representatives shall have reasonable right of ingress and egress to the customer's property at any time for the purpose of reading, inspecting, or servicing these metering facilities. If required, the customer will provide the City a 120 V, 60 HZ single phase 15 AMP service for this metering facility.

Effective for service rendered on and after July 1, 2010.

WH-1 WATER HEATER REBATE FOR RESIDENTIAL/BUSINESS CUSTOMERS

AVAILABILITY. This rate rider is available to all City of Monroe electric customers receiving or applying for permanent electric service under any applicable rate schedule.

ELIGIBILITY REQUIREMENTS. A $150 rebate will be paid to the City of Monroe electric customers installing an electric water heater. The rebate is available to a customer installing an electric water heater:

1) In a new dwelling/business; or
2) To replace an existing water heater. (Existing water natural gas, propane, fuel oil, etc.)

In addition, the following standards must be met:

1) The hot water heater will be at least a 30-gallon tank. There is no limit to the maximum size.
2) Each water heater should have a load management switch attached; this however, is not required if the switch cannot physically be installed or if the City is not currently providing an electric water heater load control program.
3) The customer will choose the plumbing contractor of their choice to install the new water heater. All future service requirements can be arranged with that contractor or any other of the customer's choice.
4) The customer should expect to pay the contractor the fair market price for installation costs. The City will inspect the final installation.
5) Since the water heater remains the customer's property, all future service is at the customer's expense. The City makes no guarantee, express or implied, about the quality of the water heater or its installation.
6) The manufacturer, not the City, guarantees the tank against leakage and defects.
7) After the customer has the water heater installed, a representative from the City will inspect the installation of the water heater (and attach a switch, if necessary). The customer will use a paid receipt to apply for his rebate on an existing dwelling. A visual inspection of any new home will serve as verification.
8) The water heater rebate will be $150 per unit installed with no maximum number of units to customer/builder/developer. The water heater may cost less than $150.

Request for Proposal (RFP) for Energy Efficiency Programs Commercial/Industrial Customers

AVAILABILITY This rate rider is available to all City of Monroe retail commercial and industrial customers receiving or applying for permanent electric service under Commercial/Industrial rate schedule.

APPLICABILITY This program is available to all retail commercial and industrial customers, served by City of Monroe. Customers that choose to undertake energy efficiency project as a result of the financial incentives awarded through this RFP process will benefit from the reduced electricity consumption and associated power bills from City of Monroe. All projects will be reviewed and ranked by the City of Monroe, NCMPA1 Staff and its consultants. The highest-ranking proposals in all NCMPA1's Member Cities will be first, until available funds are depleted.

1) Participation is open to any commercial, industrial or institutional electric customer of City of Monroe with a peak annual billing demand of at least 250 kW.

2) All proposed projects must be located at facilities that are receiving electric service from the City of Monroe.

3) A qualifying customer must specify the amount of incentive required to implement the project. Funding of the incentives is intended to cover a portion, but not all, of the cost of an energy efficiency project.

4) Projects may be submitted in partnership with an equipment vendor, consultant, contractor or other third party service provider.

5) Energy efficiency projects that produce, in the aggregate, savings of 100,000 kWh (or more) per year will receive preference.

6) All kWh savings provided by an energy efficiency project must be produced in a manner that will allow City of Monroe to measure, verify and apply the savings toward its REPS compliance obligations under the provisions of Senate Bill 3.

7) It is acceptable to aggregate energy efficiency measures at multiple facilities (all of which must receive electric service from the City of Monroe) so long as the facilities are owned by the same parent company and operated by the same corporate management.

8) All projects will be reviewed and ranked by City of Monroe, NCMPA1 staff and its consultants. The highest ranking proposals in all NCMPA1's Member Cities will be funded first until available funds are gone.

9) Eligible energy efficiency projects must provide savings that are measurable and verifiable any may be related to projects that include, but are not limited to, high efficiency lighting, refrigeration and HVAC systems; improved building envelopes; energy management systems; variable speed drives on motors; and measures that are unique to a customer's business or physical process.

10) Measure that are not eligible include new construction projects, used or rebuilt equipment, non-cogeneration power production applications such as standby generation, fuel switching and repair/maintenance projects.

Contract Period Eligibility is limited to projects that are undertaken and installed during the calendar year period January 1, 2009 through December 31, 2009.

Effective after March 24, 2009

RHP RESIDENTIAL HIGH EFFICIENCY HEAT PUMP REBATE PROGRAM

AVAILABILITY. This rate rider is available to all City of Monroe electric customers receiving or applying for permanent electric service under residential rate schedule.

ELIGIBILITY REQUIREMENTS. A rebate will be paid to the City of Monroe residential electric customers installing an energy efficiency heat pump. The minimum Seasonal Energy Efficiency Ratio (SEER) of 15 and minimum size of 1 ton, up to maximum of 5 tons. Rebates will be paid for the following qualifying installations:

1) **In a new installation.** For new installations (new construction), the rebate is $400 for air source heat pumps 15 – 17+ SEER.
2) **To replace an existing heating/air conditioning system.** (Existing heating air-conditioning system can be any energy source, i.e., electric, natural gas, propane, fuel oil, etc.). For replacing an existing heating/air conditioning system, the rebate is $300 for air source heat pumps 15 – 16.9 SEER and $400 for air source heat pumps of 17+ SEER.
3) For installation of **new or replacing an existing Geothermal Heat Pumps**, the rebate will be $500.

In addition, the following standards must be met:

1) The heat pump will have at least 15 SEER rating. There is no maximum to the SEER rating.

2) The heat pump must be residentially sized (five tons and under, minimum size of 1 ton), but may be installed in any type of dwelling.

3) The customer will choose the HVAC contractor of their choice to install the new heat pump. All future service requirements can be arranged with that contractor or any other of the customer's choice.

4) The customer should expect to pay the contractor the fair market price for the purchase and installation costs. The City will verify the unit (s) qualifies per the rebate program.

5) Since the heat pump remains the customer's property, all future service is at the customer' expense. The city makes no guarantee, express or implied, about the quality of the heat pump or its installation.

6) The manufacturer, not the city, guarantees the customer's heat pump against defects.

7) After the customer has the heat pump installed, a representative from the city will inspect the installation of the heat pump. The customer will use a paid receipt to apply for his heat pump on an existing dwelling. A visual inspection of any new home will serve as verification.

8) The heat pump rebate will be per unit installed with no maximum number of units to a customer/builder/developer. The program is subject to continued annual approval.

9) A customer may be denied rebate under these and other conditions determined by the city:
   a. Incomplete rebate application,
   b. No copy of dated sales invoice included with application,
   c. Manufacturer documentation of efficiency ratings is not correct or unavailable.

The city will list on the application form any reason a rebate is denied.

Effective July 1, 2019.

Commercial Solar Thermal Rebate for Energy Efficiency Programs Commercial/Industrial Customers

AVAILABILITY. Commercial customers whose electric service is provided by the City of Monroe are eligible to receive a rebate in the amount of $700 per certified solar thermal panel (typically 4 ft. x 10 ft. each) purchased and installed after January 1, 2009.

ELIGIBILITY REQUIREMENTS. The purpose of the Commercial Solar Thermal Rebate program is to promote the use of solar technology and help commercial and industrial customers minimize hot water costs by investing in a solar thermal energy system.

- Must be located at facilities that are receiving electric service from the City of Monroe.

- Purchase and install solar thermal panel (converting sunlight to hot water), typically 4 ft. x 10 ft. each.

- Solar thermal panels are less expensive, quicker payback.

- Potential Commercial/Industrial Customers for Solar Thermal:
  Customers with a large cafeteria, need hot water for processes, restaurants, laundry, Hotels with laundry facilities and any customer with large hot water needs.

- For commercial and industrial customers only.

- Projects installed after January 1, 2009.

- **Contractor/Installer Requirements:**

  1. Must provide contractor license numbers
     a) Board certified plumbing contractor's license
     b) Board certified electrical contractors license
     c) Board certified plumbing, heating, and fire sprinkler license
  2. Must provide references for at least two solar thermal jobs of at least 64 square feet of solar panel area; or
  3. Verify they have passed the North American Board of Certified Energy Practitioners test or provide letter from NABCEP showing they are qualified to sit for the test.

  Must satisfy requirement 1 and either requirement 2 or 3 above.

- **Equipment certification:**

  1. Collectors must meet the standards of the national SSRC* (Solar Ratings and Certification Corporation), a third party, ANSI approved testing agent for solar thermal collectors.

*SRCC certification is required for NC solar tax credit eligibility.

Commercial Solar Thermal Rebate – Rider
Page 2

- **Equipment/System Warranties**

1. Registered contractor to warranty the system, including labor, to the customer for 12 months.
2. Solar collectors to have a warranty for at least 5 years.

- One page Application Checklist attached to Vendor Proposal.
  Customer submits signed application (application available on www.ncpublicpower.com website) checklist to ElectriCities to be attached to vendor proposal.

  Vendor proposal must include:
  - Project scope, schedule, costs, savings, assumptions
  - Contractor Certifications/licenses
  - Equipment certifications and warranties

- Upon acceptance of application by ElectriCities, project may move forward with the understanding that if project is installed, that a $700 per panel rebate will be paid.

Effective July 21, 2009

Energy Star ™ Home Rebate Program Energy Efficiency Programs Residential Customers

AVAILABILITY. The purpose of the Energy Star ™ Home Rebate Program Energy is to promote the use of EPA's Energy Star building practices in the construction of new residential homes through a rebate incentive; upon final certification by an independent Home Energy Rater (HERS)

ELIGIBILITY REQUIREMENTS. Single-family residential homes constructed after January 1, 2009 and whose electric service is provided by the City of Monroe is eligible for the Energy Star ™ Home Rebate.

- Must be an electric customer of the City of Monroe;
- Construction after January 1, 2009;
- Homeowners and builders;
- $500 will be paid to homeowners for customer homes and builders for speculation homes;
- Rebates are offered on a first-come, first-served basis as funding is available each fiscal year;
- Qualifying residential electric customers that have a certified Home Energy Rater (HERS) qualify their home as Energy Star rated;
- Certified HERS rater can be found on www.natresnet.org. Raters must belong to Energy and Environment Rating Alliance. All HERS raters listed on this website are certified rater members.
- Customer must fill out application;
- Provide copy of Energy Star Certificate;
- Provide copy of Thermal Bypass Inspection Checklist.

Program Criteria:

Builders can choose from a variety of energy efficiency features to meet Energy Star ™ performance guidelines:

Effective Insulation – properly installed and inspected insulation in floors, walls, and attics.

Tight Construction and Ducts – advanced techniques for sealing holes and cracks in the home's "envelop" and cooling ducts.

Efficient Heating and Cooling Equipment – energy-efficient heating and cooling systems can be quieter, reduce indoor humidity, and improve overall comfort.

High Performance Windows – energy-efficient windows employ advanced technologies, such as protective coatings and improved frame assemblies, to help reduce drafts into the house.

Third-Party Testing – an independent Home Energy Rate conducts onsite inspections and testing to verify the energy efficiency measures.

Optional Features – qualified homes may also be equipped with Energy Star ™ qualified products such as lighting fixtures, compact fluorescent bulbs, ventilation fans, appliances and washing machines.

Qualifying Energy Star ™ homes will be paid $500.00.

Effective July 21, 2009.

RENEWABLE ENERGY CREDIT RATE RIDER Electric Rate Rider RECR-1

AVAILBILITY

This rate rider is available to customers on any City of Monroe ("City") rate schedule who operate solar photovoltaic generating system, with or without battery storage, located and utilized at the customer's primary residence or business. To qualify for this rate rider, the customer must have complied with the City's Interconnection Standards and obtain an approved Interconnection Request Form and an approved Purchase Power Agreement. As part of the Interconnection Request Form approval process, the City retains the right to limit the number and size of renewable energy generating systems installed on the City's System. The generating system that is in parallel operation with service from the City and located on the customer's premises must be manufactured, installed, and operated in accordance with all governmental and industry standards, in accordance with all requirements of the local code official, and fully conform with the City's applicable renewable energy interconnection interface criteria. Qualified customers must be generating energy for purposes of an inflow/outflow arrangement to receive credits under this rate rider. That is, the City agrees to buy energy delivered to the utility and the customer agrees to sell their energy output and associated energy from the renewable energy resource. Customers with qualified systems may also apply for NC GreenPower credits or North Carolina Municipal Power Agency 1 ("NCMPA1") Renewable Energy Certificate ("REC") credits.

Qualified customers must be generating energy for purposes of a "net billing" arrangement to receive credits under this rate rider.

MONTHLY CREDIT

*Solar arrays below 20kW of installed capacity (DC) – Applicable to Rate (R) and (SC)**

- The customer will be billed according to their retail rate schedule on metered electricity delivered to the customer with the following modifications:
    - Additional metering costs $2.43/month
- Credited 6.18 cents per kWh for energy delivered by the customers to the City.

*Solar arrays between 20kW – 100kW (DC) – Not Applicable to Rate (R)***

- The customers will be billed according to their retail rate schedule on metered electricity delivered to the customer with an additional meter charge of $2.43/month and credited at a fixed amount at the rates listed below:
    - On-Peak Energy $0.0583
    - Off-Peak Energy $0.0311

*Solar arrays between 100kW – 500kW (DC) – Not Applicable to Rate (R) and (SC)***

- The customers will be billed according to their retail rate schedule on metered electricity delivered to the customer with an additional meter charge of $2.43/month and credited at a fixed amount at the rates listed below:
    - On-Peak Energy $0.0374
    - Off-Peak Energy $0.0311

For larger facilities contact the electric department.

**For generation less than 20 kW the on-peak energy avoided cost credit rate can be applied to all hours.*
*** These energy credits include a capacity component.*

ON-PEAK ENERGY
On-Peak Energy shall be the metered energy during the On-Peak Energy Period of the current calendar month, whereby the On- Peak Energy Period is defined as non-holiday weekdays from 7:00 AM to 11:00 PM EST.

Effective September 14, 2022

ECONOMIC DEVELOPMENT RIDER - Electric Rate Rider EDR1

AVAILABILITY
This rider is available only to new commercial or industrial loads which begin receiving service after July 1, 2014 and is available in conjunction with service under any of the City's commercial or industrial electric rate schedules. The demand of the new load must equal or exceed 125 kW during at least three months of a twelve-month period.

Any Customer desiring to receive service under this rider shall provide written notification to the City of such desire. Such notice shall provide the City with information concerning the load to be served and the Customers facilities and shall provide the basis that the characteristics of the load will meet the minimum eligibility requirements of the electric rate schedule to which this rider applies.

All terms and conditions of the electric rate schedule applicable to the Customer shall apply to service supplied to the Customer except as modified by this Rider.

MONTHLY CREDIT
The Customer will receive a Monthly Credit on the bill calculated on the then-effective electric rate, whichever is applicable to the Customer. The schedule of Monthly Credits will be calculated as described below under-the heading "Application of Credit".

APPLICATION OF CREDIT
Beginning with the date on which service under the then-effective electric rate is to commence for the eligible load, a Monthly Credit based on the following schedule will be applied to the total bill, including Basic Facilities Charge, Demand Charges, Energy Charges, Purchased Power Adjustment, or Minimum Bill, excluding other applicable riders and special charges, if any.

PERIOD	DISCOUNT
Months 1-12	30%
Months 13-24	25%
Months 25-36	20%
Months 37-48	10%
Months 49-60	5%
After Month 60	0%

CONTRACT PERIOD
Prior to receiving service under this rider the Customer must complete a service agreement to purchase electricity from the City. Either party can terminate the contract at the end of the original term upon sixty days' prior written notice.

EFFECTIVE DATE
The rider shall be effective for qualifying customers receiving permanent electrical service after July 1, 2014.
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Effective July 1, 2014.

	Policy: Electric Service Policy	**Effective Date:** June 11, 1997~~June 1994~~
		Revision Effective Date: ~~June 11~~July 1, 2024~~June 11, 1997~~
	Policy Number: ES-01	**Page** 1 of 23
	~~Jerry E. Cox~~ ~~Jerry E. Cox~~**Mark W. Watson, City Manager**	Energy Services **Responsible Party**

Foreword

The Service Regulations for the City of Monroe Electric Department are filed with the City Clerk. The regulations are presented here and are incorporated by reference in each contract or agreement for electric service.

Definitions

The City of Monroe or the City of Monroe Electric Department is referred to herein as the "City" and the user and prospective user is referred to as the "Customer" or "Consumer," these terms to be considered as synonymous.

"*Customer Service Policy*" - City of Monroe Utility Customer Service Policy.

The term "*overhead facilities*" as used in this Plan, means an electrical distribution system having all components installed above ground level.

The term "*underground facilities"* as used in this Plan, means an electrical distribution system having some, or all, components installed below ground level.

A "*bulk feeder*" is a conductor system transporting the total electrical requirements of a large area from a substation or other supply point into such an area, which may consist of several residential developments and other loads. A "*subfeeder*" is a conductor system branching off of the bulk feeder to supply the requirements of a certain portion of the area. The subfeeder may terminate in a given development, but the bulk feeder may, or may not, pass through the development to serve adjacent areas.

A "*primary voltage loop system*" of conductors provides multiple supply routes to more than one transformer serving the load requirements. A "*primary voltage radial extension*" of underground facilities consists of a single supply route to a single transformer serving the load requirements.

"*Secondary facilities*" consist of equipment necessary to provide secondary voltage from the City's transformer to the owner's delivery point. "*Primary facilities*" consist of equipment, including transformation, to supply primary voltage into the owner's property or development.

"*Cost difference*" is the amount by which the estimated cost of underground facilities exceeds the estimated cost of comparable overhead facilities, but not less than zero.

"*Loss due to early retirement*" is the original cost of the facilities involved, less accrued depreciation, less salvage, plus the costs of removal.

Agreement

Electric service will be supplied under (a) the City's standard form of application (service agreement) or contract, (b) the applicable rate schedule or schedules, and (c) these service regulations, except insofar as provision is otherwise made in any particular rate schedule or contract on file with and approved by the City Council. The City shall not be required to supply service unless and until such agreement is executed by the customer and the City, it being understood and agreed that no promise, statement or representation by an agent, employee or other person shall be binding upon the City unless same be in writing and attached to and made a part of the agreement; notwithstanding the foregoing, when the requested supply of electricity is for residential use or residential water heating, and no extra charges for additional facilities are involved, the customer's application and the City's acceptance thereof may be verbal, and in such event the City's applicable rate schedules and these Service Regulations shall be effective in the same manner as if the City's standard form of application for service had been signed by the customer and accepted by the City. Such a verbal service agreement shall be conclusively presumed, when there is no written application by a customer accepted in writing by the City, if electricity supplied by the City is used by the customer or on the customer's premises.

Hold Harmless Clause

The "Customer" or "Consumer" shall indemnify and hold harmless the "City", its Agents and employees form and against all claims, damages, losses and expense including attorneys' fees arising out of or resulting form the service rendered to the "Customer" or "Consumer", provided that any such claim, damage, loss or expense (1) is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom, and (2) is caused in whole or in part by an any negligent act or omission of the "Customer" or "Consumer", anyone directly or indirectly employed by any of them or any one for whose acts any of them may be liable, regardless of whether or not it is caused in part by a party indemnified hereunder. In any and all claims against the City or any of their agents or employees by any employee of the "Customer" or "Consumer", anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable, the indemnification obligation under this paragraph shall not be limited in any way by any limitation of the amount or type of damages, compensation or benefits payable by or for the “Customer" or "Consumer" under Workmen’s Compensation acts, disability benefits acts or other employee benefit acts.

Agreement Personal

The rights which accrue to the customer under the agreement are personal and shall not be transferred or assigned by the customer without the written consent of the City.

Service Used in Advance

In the event service is used by the Customer before the agreement is signed, in those instances where the City requires a signed service agreement, such service shall be governed by these regulations and the appropriate schedule, and the City may discontinue such service at any time upon failure or refusal of the customer to sign the agreement and pay in full the amount due for service to that date.

<u>Vacated Premises</u>

The customer will notify the City before quitting or vacating the premises served under the agreement as herein provided, and will pay upon presentation all bills due under all agreements or contracts.

<u>Deposits</u>

See Customer Service Policy.

<u>Customer's Wiring and Equipment</u>

Equipment which will operate in one locality may be useless in another due to difference in voltage, phase or frequency of electric service; therefore, before wiring a premises or purchasing equipment the customer shall give the City notice, and shall ascertain the character of service available at such premises. The City may specify the voltage and type of electric service to be furnished, also the location of the meter and the point where the service connection shall be made.

All the customer's wiring and equipment must be installed and maintained in accordance with the requirements of the local municipal and state authorities; otherwise the City may refuse to connect service to such customer, or may discontinue service the same. The customer shall keep in repair all such wiring and equipment to the point of connection with the facilities of the City.

<u>Changes in Customer's Wiring and Equipment</u>

The customer shall not employ or utilize, without the written consent of the City, any equipment, appliance or device, or permit the continuation of any condition, which tends to create any hazard or otherwise to affect adversely the City's service to such
customer or to others. When polyphase electric service is used by any customer, the customer shall control the use of service so that the load will be maintained in reasonable electrical balance between the phases at the point of delivery.

The customer shall give the City reasonable notice in writing of any anticipated increase in demand exceeding 20 KW or ten percent (10%) of former ~~d~~demand, whichever is greater, and stating the approximate excess and date required. If, in the opinion of the City, the unexpired term of the agreement is sufficient to justify the additional investment required, the City will endeavor to provide additional capacity for any increase so requested by the customer, within ninety days of said notice.

The City will extend its facilities and change the point of delivery only when the investment required is warranted by the anticipated revenue and when such extension is permissible and feasible.

Access to Customer's Premises

The City shall at all reasonable times have the right of ingress to and egress from the premises of the customer, for any and all purposes connected with the delivery of service, or the exercise of any and all rights under the agreement.

Right of Way

The customer shall at all times furnish the City a satisfactory and lawful right of way over his premises for the City's lines and apparatus necessary or incidental to the furnishing of service, and shall also furnish satisfactory shelter for meters and other apparatus of the City installed on the premises, except where the City elects to install such equipment outdoors.

The City may change the location of the right of way upon request of the customer, and may require the customer to bear the expense of the change; the change will not be made where it will interfere with or jeopardize the City's service, either to the customer requesting the change, or to any other customer or customers. All privileges of the City incident to the original location shall apply to the new location.

The obligation of the City to supply service is dependent upon the City securing and retaining all necessary rights-of-way, privileges, franchises or permits, for the delivery of such service, and the City shall not be liable to the customer for any failure to deliver service because of the City's inability to secure or retain such rights-of-way, privileges, franchises, or permits.

Transmission, Distribution, and Service Facilities

The City's transmission, distribution, and service facilities will be installed above ground on poles, towers, or other fixtures; however, underground facilities will be provided when requested in accordance with the City's underground Installation Plan, as approved by the City Council.

The City will require a contribution in aid of construction when it is requested to provided facilities which it deems economically infeasible.

Service connections- will be made as follows:

(1) Where both the City's lines and the customer's entrance conductors are above

ground, and where the service requires a transformer of 500 KVA or less;

The City will extend its service conductors to the customer's building, terminating them on the outside of the building at a location to be provided by the customer and satisfactory to the City for this purpose. The location must be of sufficient height to satisfy the requirements of the National Electric Safety Code and of applicable local codes, and the strength of the structure at the point of termination must be satisfactory to the City. The City will provide and own meter sockets and enclosures, or the customer, at this option, may provide and own a meter/switch enclosure (more commonly known as a housepower panel). The customer will install all meter sockets, enclosures, or meter switch enclosures. The City will utilize and provide service through the customer's meter/switch enclosure under the following conditions: (a) The meter/switch enclosure shall be in accordance with the City's specifications. (b) The wiring and connections are approved by the City. (c) The customer agrees to allow the City to open and inspect the meter/switch enclosure at any time. (d) The customer agrees to notify the City and obtain permission before altering or performing maintenance inside the metering section of the meter/switch enclosure. For Residential customers, the City will provide, own, and install service laterals and will connect such laterals to the line side terminals of the meter socket or enclosure.

The City will make the necessary connections from its service conductors to the customer's entrance conductors.

(2) Where both the City's lines and the customer's entrance conductors are below ground, or when one is above ground and the other is below ground, or where the size of the customer's demand or any unusual character of the customer's location requires a special service agreement between the City and the customer, the City will make the necessary connections from its service conductors to the customer's entrance conductors as in Section (1) above if applicable, or as in Section (3) below if applicable. If neither Section (1) above nor Section (3) is applicable, the connection shall be at a point to be agreed upon by the City and the customer.

(3) When, in the City's opinion, an individual transformer installation is necessary to serve the customer's demand and such demand exceeds the capacity of a pole-type transformer installation, the City may require the customer to provide suitable outdoor space on his premises to accommodate a ground-type transformer installation or substation. If the customer is unable to provide outdoor space for a ground-type transformer installation, or substation, then the City may require the customer to provide a transformer vault on his premises.

(a) When the customer provides space for a ground-type transformer installation, or substation, the City will erect a structure outside of and immediately adjacent to the fence surrounding such installation, and will connect to the customer's entrance conductors at that point. The City may require the customer to provide main disconnecting switches at the point of connection, which switches shall control all of the customer's load other than the fire pump circuit, if any. In the event the space agreed upon for such installation is adjacent to one or more of the customer's building walls, the City will connect to the customer's entrance conductors on the outside of one of the walls.

(b) When the customer provides a transformer vault, such vault shall be constructed in accordance with the City's specifications, and shall meet the requirements of the National Electrical Safety Code and other applicable safety codes and ordinances, and its location shall meet the City's requirements for accessibility and ventilation. The City will provide and install the transformers and necessary associated equipment including circuit breakers, switches, supporting structures for equipment, primary cable and secondary cable to the point of connection with the customer's entrance conductors, which point shall be 12" inside one of the walls of the vault. The City will coordinate the transformer vault installation with its Underground Distribution Plan for the installation of the primary cable from the customer's vault to the City's existing distribution facilities.

(4) With respect to any service, after a service connection has been made it may be changed by the City upon request of the customer, but the customer must bear the expense of the change and the change will not be made where it will interfere with or jeopardize the City's service either to the customer desiring the change or to do any other customer or customers.

Ownership of Equipment

All conductors and conduits, inside work and equipment, switches, fuses and circuit breakers, from the point of connection with the City's service shall be installed and maintained by and at the expense of the customer. All equipment furnished by the City shall be and remain the property of the City.

Meters

The City will furnish, test and repair all necessary meters. When a meter is moved from one location to another all expense in connection with such removal shall be borne by the City except where the removal is at the request of the customer, in which case the expense will be borne by him. The City shall have the right at its option and at its own expense, to place demand meters, volt meters and other instruments on the premises of the customer for the purpose of making tests with respect to the customer's service.

Location of Meter

Meters for all residential service, and for all other service to the extent practicable, shall be located out-of-doors on the customer's structure at a place or point which is suitable to the customer, but which meets all of the City's requirements for reading, testing and servicing accessibility, and for safety.

Where it is not practicable, in the City's opinion, to locate the meter and its associated apparatus, if any, out-of-doors, the customer shall provide a suitable indoor location which meets all of the City's requirements for reading, testing, and servicing accessibility, and for safety.

Failure or Inaccuracy of Meter

In case of the failure or inaccuracy of a meter, the customer's bill, for the appropriate portion of the period of such failure or inaccuracy, shall be estimated on the basis of the three months prior use.

Bills Due Where No Notice Received

See Customer Service Policy.

Billing and Collection Cycle

See Customer Service Policy.

Where Meter is Not Read

See Customer Service Policy.

Offsets Against Bills

See Customer Service Policy.

Adjustment of Billing Errors

See Customer Service Policy

Responsibility Beyond Delivery Point

It is understood and agreed that the City is merely a furnisher of electricity, deliverable at the point where is passes from the City's wires to the service wires of the customer, or through the divisional switch separating the customer's wires and equipment from the City's wires and equipment, where such a switch is installed, and the City shall not be responsible for any damage or injury to the buildings, motors, apparatus or other property of the customer due to lightning, defects in wiring or other electrical installations, defective equipment or other cause not due to the negligence of the City. The City shall not be in any way responsible for the transmission, use or control of the electricity beyond the delivery point, and shall not be liable for any damage or injury to any person or property whatsoever, or death of any person or persons arising, accruing or resulting in any manner, from the receiving or use of said electricity.

Interference with City Property

The customer shall not interfere with, or alter, the City's meters, seals, or other property, or permit the same to be done by others than the City's authorized agent or employee. Damage caused or permitted by the customer to said property shall be paid for by the customer.

Resale Service

The contract is made and electricity is sold and delivered upon the express condition that the customer shall not directly or indirectly sell or resell, assign, or otherwise dispose of the electricity or any part thereof, to any person, firm or corporation, except where service is supplied under a contract specifically providing for resale.

Foreign Electricity

The customer shall not use the City's electric service in parallel with other electric service, nor shall other electric service be introduced on the premises of the customer for use in conjunction with or as a supplement to the City's electric service, without the written consent of the City.

Service Interruptions

The City does not guarantee continuous service. It shall use reasonable diligence at all times to provide uninterrupted service, and to remove the cause or causes in the event of failure, interruption, reduction or suspension of service, but the City shall not be liable for any loss or damage to a customer or customers resulting from such failure, interruption, reduction or suspension of service which is due to any accident or other cause beyond its control, or to any of the following:

(a) An emergency action due to an adverse condition or disturbance on the system of the City, or any other system directly or indirectly interconnected with it, which requires automatic or manual interruption of the supply of electricity to some customers or areas in order to limit the extent or damage of the adverse condition or disturbance, or to prevent damage to generating or transmission facilities, or to expedite restoration of service, or to effect a reduction in service to compensate for an emergency condition on an interconnected system.

(b) An Act of God, or the public enemy, or insurrection, riot, civil disorder, fire, or earthquake, or an order from Federal, State, or other public authority.

(c) Making necessary adjustments to, changes in, or repairs on its lines, substations and facilities, and in cases where, in its opinion, the continuance of service to customer's premises would endanger persons or property.

(d) It is expressly understood and agreed that the City does not contract to furnish power for pumping water for extinguishing fires, and that in the event that the customer shall use said electric power, or any part thereof, for pumping water to be used for extinguishing fires, the customer shall, at all times, keep on hand, or otherwise provide for, an adequate reserve supply of water so that it shall not be necessary to pump water by means of said electric power during a fire; and it is expressly understood and agreed that the City shall not, in any event, be liable to the customer, nor to any person, firm or corporation for any loss or injury of or to property or person by fire or fires occasioned by, or resulting directly or indirectly from the failure of any pump, pumping apparatus or appliances to operate, whether said failure shall be due to act or omission of the City or otherwise, it being the intention of the parties hereto that the City shall not, in any event, be liable for any loss or damage occasioned by fire or fires which may be caused by or result from the failure of the City to supply electric power to operate any pump or pumping apparatus or appliances.

Discontinuance of Service

The City shall have the right to suspend its service for repairs or other necessary work on its lines, or systems, or to suspend or discontinue its service for any of the following reasons: (See also: Customer Service Policy Section 13)

(1) For any misrepresentation as to the identity of the customer entering the contract for service.

(2) For violation by the customer of any terms or conditions of the agreement between the City and the customer, or violation of any of these service regulations which are a part of said agreement.

(3) For the reason that the customer's use of the City's service is detrimental to the service of other customers.

(4) For the reason that the customer's use of the City's service conflicts with, or violates orders, ordinance or laws of the state or any subdivision thereof, or of any other body having regulatory powers.

(5) For the reason that wiring, equipment, appliance or device is installed or in use on the customer's premises, which permits the electricity to be used without passing through the City's meter, or which prevents, or interferes with the measuring of the electricity by the City's meter.

Removal of Equipment

In the event of such discontinuation of service or expiration of contract, then it shall be lawful for the City to remove its meters, apparatus, appliances, fixtures or other property.

Waiver of Default

Any delay or omission on the part of the City to exercise its right to discontinue or suspend service, or the acceptance of a part of any amount due, shall not be deemed a waiver by the City of such right so long as any default in whole or in part or breach of contract on the part of the customer shall continue, and whenever and as often as any default or breach of contract shall occur.

Reconnect Fees

In case of discontinuance of service for any reason except repairs or other necessary work by the City, the customer shall pay the City a reconnect charge as spelled out in the Customer Service Policy.

Unavoidable Cessation of Consumption

In the event the customer's premises are destroyed by fire or other casualty, or the operation of its plant is shut down because of strike, fire, or other causes beyond customer's control, making a complete cessation of the use of service, then upon written notice by the customer to the City, within thirty days thereafter, advising that the customer intends to resume service as soon as possible, any minimum charge or guarantee for which the customer may be liable will be waived during the period of such cessation, and the term of the contract shall be extended for a corresponding period; otherwise the agreement for service shall immediately terminate.

Copies of Contracts and Policies

Forms of application (service agreement) or contract, schedules of rates and copies of service regulations are available at City Hall and will be furnished to the customer on request.

Changes

All agreements and contracts for service between the City and its customers, including the rate schedules and these service regulations, are subject to such changes and modifications as from time to time may be made in the same and approved by the City Council, or otherwise imposed by lawful authority.

Types of Service

The types of service supplied and the schedules applicable thereto are as follows:

(1) Residential Service

Residential service will be supplied on Schedule R, Schedule RE, whichever is applicable, to an individual residence or individually metered apartment unit. The Residential Service Schedules shall be applicable to only one meter serving an individual residence or an individual apartment unit.

Out buildings, water pumps, and other uses, which form a part of the general living establishment on the same property, may be connected to the Residential service meter, or they may be separately metered.

Residential service to two or more residences on the same property or to a residence or residences sub-divided into two or more individual housekeeping apartments or units may not be supplied through one meter on the Residential Service Schedule.

(a) Mobile Home Parks

Each space designated for the parking of mobile homes will be served through a separate meter and billing will be in accordance with the applicable residential or general service rate schedule.

The City will extend its conductors to groups of two or more spaces designated for the parking of mobile homes, and will provide and install at each such delivery location a service structure on which its conductors are terminated and on which may be mounted the switch panels, and wiring to accommodate a separate meter for each trailer space. Otherwise, service connections will be the same as set forth in these Service Regulations.

Energy used by the Park in its office, service buildings, yard lights, water pumps, and other purposes connected with the operation of the Park, including spaces designated for the overnight parking of mobile homes in transit or awaiting assignment to separately metered spaces available within a park, may be served through a single meter, and will be billed in accordance with the applicable Commercial rate schedule.

(b) Recreational Parks and Camping Grounds

Service to recreational parks and camping grounds may be supplied to each such an establishment at one delivery point, and energy used in its office, service buildings, yard lights, water pumps, and for other purposes connected with its operation, including service outlets at campsites, will be billed through one meter in accordance with the applicable Commercial rate schedule.

(c) Travel Trailers, Mobile Home, and Other Portable Structures

If the location is other than in a Mobile Home Park or Recreation Park, service to travel trailers, mobile homes, or other portable structures, will be provided as set forth in these Service Regulations, "Temporary Service", except that if the customer presents satisfactory evidence of intent to remain at said location 12 months or longer, service will be provided as for any structure having a permanent foundation. Energy used will be billed on the applicable residential or Commercial rate schedule.

(2) Professional Offices or Business Activities in Residences

The supply of service under a Residential Schedule to a residence involving some business, professional or other gainful activity will be permitted only where the electric energy used in connection with such activity is less than 15% of the total use and is used only by equipment which would normally be in use if the space were used entirely as living quarters.

When a portion of a residence is used regularly for business, professional or other gainful activities, and more than 15% of the total use is for other than domestic purposes, or electrical equipment not normally used in living quarters is installed in connection with such activities referred to above, the entire premises shall be classified as non-residential and one of the commercial schedules shall be applied.

The customer may at his option provide separate circuits so that the residential uses can be metered and billed separately under a Residential Service Schedule and the other uses under a Commercial Service Schedule.

Hall lighting, stokers and other general electric uses in an apartment building will be classed as Commercial Service and metered and billed under a Commercial Service Schedule, while the individual apartments will be metered and billed separately under a Residential Schedule.

Residences in which a Day Nursery is operated may be served on the City's Residential Service Schedules provided that:

(a) The operator and the operator's family, if any, live there.

(b) The nursery requires no extra electrical equipment or space in addition to that normally required for the operator's family.

(c) There are no conspicuous business soliciting devices about the premises.

If all of the foregoing conditions cannot be met, then such residence shall be served on the City's applicable Commercial Schedule.

(3) Farm and Rural Service

The Residential Service Schedules are available for service through on meter to a farm residence, and for the usual farm uses outside the dwelling unit, but not for commercial or nonfarming operations or for the processing, preparing or distributing of products not raised on that farm.

The customer may at his option elect to take the entire service under one of the Commercial Service Schedules, or may provide separate circuits so that the residential uses, together with the usual farm uses outside the residence dwelling unit, can be metered and billed separately under a Residential Service Schedule, and the other under a Commercial Service Schedule.

(4) Commercial and Industrial Service

Commercial and Industrial Service Schedules are available to the individual customer for any purpose other than those excluded by the availability paragraph of the schedules, and they shall be applied to the following:

(a) Customer engaging in retail trade or personal service directly with the public, such as boarding houses, motor courts, and hotels;

(b) Office buildings, stores, shops, and other commercial establishments;

(c) Schools, churches, other non-residential customers, and industrial customers.

(5) Water Heating Service

Residential water heating service is available through the same meter as other residential service.

(6) Breakdown and Standby Service

The City does not supply breakdown or standby service, and service under its rate schedules may not be used for resale or exchange or in parallel with other electric power, or as a substitute for power contracted for or which may be contracted for, except at the option of the City, under special terms and conditions expressed in writing in the contract with the Customer.

(7) Temporary Service

Temporary Service for construction of buildings or other establishments which will receive, upon completion, permanent electric service from the lines will be provided.

Temporary Service for construction projects, other than those qualifying above, and for rock crushers, asphalt plants, carnivals, fairs and other non-permanent installations will be provided, when the customer agrees to pay the actual cost of connection and disconnection. The cost shall include payroll, transportation, and miscellaneous expense for both erection and dismantling of the temporary facilities, plus the cost of material used, less the salvage value of the material removed. A deposit may be required equal to the estimated cost of connection and disconnection plus the estimated billing for the period involved, said deposit to be returned if the contract period is fulfilled.

(8) Special Provisions

X-Ray and Welding Service. Equipment of this type may be operated by the Customer through his regular service meter when such operation will not adversely affect the quality of service to neighboring customers.

If however, the use of such equipment causes voltage fluctuations detrimental to the service of other customers, the City may set a separate transformer for the exclusive use of the Customer, and extend a separate service to the Customer's premises. This service shall be metered, and shall be billed o n the applicable rate schedule. In addition, the Customer shall be billed any applicable extra facilities charges associated with the separate transformer. In lieu of setting the separate transformer, the City may require the Customer to either discontinue the operation of the equipment or install the necessary motor-generator set or other apparatus to eliminate the disturbance to other customers.

(9) Insulation Requirements

The City will not connect permanent service to any new building for which a building permit was issued after January 1, 1978 for any class of service unless the building has been certified as meeting the insulation requirements of the State Building Code, and a Certificate of Occupancy has been issued.

(10) More Than One Dwelling Unit Per Meter

When more than one dwelling unit is served by a single meter, each and all dwelling units must comply with the requirement under Availability of the Schedule involved; and the monthly bill shall be computed by dividing the total KWH metered during the billing period by the number of dwelling units; then calculating a bill "per dwelling unit" from this rate. The total bill shall be the "per dwelling unit" bill multiplied by the number of dwelling units.

(11) Tree Trimming

If, at any time, shrubbery, or other vegetation grows up into, and interferes with, the electric power lines of the City, through its duly authorized employees, shall have the right to enter upon the City privately owned property and trim such vegetation in order to clear the lines. All trimming of trees and shrubbery shall be done as neatly as possible and shall be done as requested by the owner where the request is reasonable.

(12) Extra Facilities

(a) At the request of the customer, the City will furnish, install, own and maintain facilities which are in addition to those necessary for delivery of service at one point, through one meter, at one voltage, in accordance with the applicable rate schedule, such additional facilities to be furnished under an "Extra Facilities Clause" added to and made a part of the City's standard form of contract, and containing the following provisions:

(1) Service shall be used solely by the contracting customer in a single enterprise located entirely on a single, contiguous premises, and there shall be no exemption from any of the other provisions of these Service Regulations.

(2) "Extra Facilities" shall consist of such of the following as may be required: voltage regulators, circuit breakers, duplicate service, transformers, substations, connecting lines, or other equipment installed for the exclusive use of the contracting customer, other than facilities which the City would furnish to the customer without cost under its standard form of contract.

(3) The facility to be supplied shall be City standard overhead transmission or distribution, or transmission and distribution, equipment to be installed only on the City side of the point of delivery.

(4) A monthly "Extra Facilities Charge", equal to 1.7% of the installed cost of the extra facilities, but not less than $25.00, shall be billed to the customer in addition to the billing for energy, or for demand plus energy, in accordance with the applicable rate schedule.

(5) The "installed cost of extra facilities" shall be the cost new of material used, including spare equipment, if any, plus applicable labor, transportation, stores, tax, engineering and general expense, all estimated if not known.

(6) "Extra Facilities" shall include the installed cost of extra meters and associated equipment necessary to record demand and energy at the voltage delivered to the customer. Upon mutual agreement between the customer and the City, demand and energy may be metered at primary voltage, without compensation for transformer loss, and without inclusion of any part of the metering cost as an extra facility. When extra facilities furnished include a voltage regulator, metering equipment shall be installed on the City side of the regulator, or it this is not feasible, the meter shall be compensated so as to include registration of the regulator losses.

(7) When the extra facilities requested by the customer consist of those required to furnish service at either more than one delivery point on the premises or at more than one voltage, or both, the installed cost of the extra facilities to be used in the computation of the Extra Facilities Charge shall be the difference between the installed cost of the facilities made necessary by the customer's request, and the installed cost of the

facilities which the City would furnish without cost of the customer under its standard form of contract.

(8) The City shall have the option of refusing requests for extra facilities if, on its own determination, the requested facilities are not feasible, or may adversely affect the City's service to other customers.

(9) Contracts containing the Extra Facilities Clause shall have a minimum original term of 5 years, to continue from year to year thereafter, but the City may require the payment of removal costs in contracts with original terms of 10 years or less, and may require advance payment of the Extra Facilities Charge for a period equal to one-half the original term of the contract.

(10) Customers for who the City may be furnishing extra facilities under existing contracts shall be exempt from all provisions of this Extra Facilities Clause except (1) until such time as their contracts may expire, or are terminated by the customer, or are terminated by the City for reasons not related to the furnishing of extra facilities.

(b) Purchase of Existing Delivery Equipment: Any customer subject to an "Extra Facilities Charge" may, at the City's option, purchase the existing facilities. In those instances where the customer purchases the existing delivery equipment, the City shall have the right to require the customer to install protective equipment to isolate the customers equipment from the City system.

Upon request of the customer, the City shall take an inventory of the equipment available for purchase and shall provide the customer with a sales price of such equipment within 90 days of receipt of such request. The sales price shall be computed at the then replacement cost of the existing delivery equipment, less accumulated depreciation as defined below:

(1) REPLACEMENT COST: Replacement Cost shall be the cost of the identical item at the time of the sale, the time of replacement, or retirement, as the case may be, or where such identical item is no longer available, the closest comparable item shall be used to determine the cost.

(2) DEPRECIATION: Depreciation shall be calculated at the annual rate of and in the manner of the then current rate and method as set forth in the publication, entitled "Depreciation and Amortization of Electric Plant" and shall be applied to Replacement Cost. Accumulated Depreciation is the Annual Depreciation so calculated times the number of years from the date of installation to the date on which the calculation is made. Depreciation shall be limited to a maximum of seventy-five percent (75%) of original value.

The City reserves the right to adjust the inventory and sales price up to thirty (30) days prior to the purchase date. Title for the equipment shall pass and the purchase price shall be due on the purchase date, at which time both parties shall execute a sales agreement.

UNDERGROUND INSTALLATION PLAN

Availability

Normally, the City's distribution and service facilities are installed above-ground on poles, towers, or other fixtures. At the request of an owner (including builders, developers, contractors and customers), the City will install, own and maintain underground facilities under the terms and conditions of this Plan.

At the determination of the City, in those areas where it is physically or economically infeasible, or impractical, to place facilities above-ground due to structural or geographical congestion or load density, the City may place its facilities underground at its own option and expense.

Service Categories

(a) Residential Service
At the request of an owner, the City will install, own and maintain underground facilities for service to single residences, apartments, condominiums, and manufactured homes following these Plan provisions. Any charge to the owner for the cost difference of the underground facilities requested is non-refundable. The signed agreement with the owner for underground service shall specify the payment arrangements.

(1) Permanent Residences
Residences which are to be permanent customer locations on a residential rate schedule of the City will be served from ~~underground~~ facilities as shown below.[1]

1	New Residential Developments:~~New Service Installations Located in New Developments~~
	Extension of facilities will be based on a 5-year revenue requirement. The City will estimate the cost of the installation of facilities within the new development and estimate the margin from the customers over a five (5) year period. All expenses that exceed the estimated margin will require a contribution in aid from the developer. The estimated cost of installation shall be the cost of new primary, secondary facilities, and services for the development.[2]~~Service to new residences on lots averaging an acre (43,560 sq. ft.), or less~~ ~~See Customer Service Policy for fees.~~
	~~Service to new residences on lots averaging more than one acre~~ ~~No charge for primary except for cost difference of new primary facilities exceeding 300 feet per lot. See Customer Service Policy for secondary fees.~~
2	Single-phase Service to New Single-Residences ~~New Service Installations Not Located in New Developments~~
	Secondary Service Line: will be installed at no charge. Overhead Primary: First 300 ft. will be installed at no cost. Underground Primary: First 100 ft. will be installed at no cost. ~~Service to new residences requiring new underground secondary voltage facilities from an above ground distribution line on or adjacent to, the lot on which the residence is located~~ Additional footages of overhead and/or primary will be charged based on estimated cost of installation.[2] ~~See Customer Service Policy.~~
	~~Service to new residences requiring new underground primary and secondary voltage facilitiesNo charge for primary except for cost difference of new primary facilities exceeding 300 feet. See Customer Service Policy for secondary fees.~~
~~3~~	~~Three-phase Service to New Single-Residences[3]New Three-Phase Service Installations~~

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	~~Secondary Service Line: will be installed at no charge.~~ ~~Overhead Primary: First 300 ft. will be installed at no cost.~~ ~~Underground Primary: First 50 ft. will be installed at no cost.~~ ~~Three-phase service to new single-residence structures, where this type of service is available.~~ ~~Additional footages of overhead and/or primary will be charged based on estimated cost of installation.~~[2] ~~No charge for primary except for cost difference of new primary facilities exceeding 300 feet. See Customer Service Policy for secondary fees.~~
~~4~~ 3	Single & Three-phase Service to New Multi-Residence Structures[3]
	Extension of facilities will be based on a 5-year revenue requirement. The City will estimate the cost of the installation of facilities within the new development and estimate the margin from the customers over a five (5) year period. All expenses that exceed the estimated margin will require a contribution in aid from the developer. The estimated cost of installation shall be the cost of new primary, secondary facilities, and services for the development.[2]~~Three-phase service to new multi-residence structures, where this type of service is available.~~ ~~No charge for primary. See Customer Service Policy for secondary fees.~~

1- Customer Service Policy and Fee Schedule Ordinance shall be referred to for other application and connection fees.
2- The estimate shall be the cost ~~new~~ of material used, including spare equipment, if any, plus applicable labor, transportation, stores, tax, engineering and general expenses.
~~Three-phase service is not available in all areas. Contact Energy Services department to determine if this service type is available in your area.~~

~~(2) Other Residences~~

~~Residences which are in service categories not described above, will be served from underground facilities installed, owned, and maintained by the City under an agreement with the owner providing for payment to the Company of the charges, if any equal to the cost difference.~~

(b) Non-Residential Service
At the request of an owner, the City will install, own and maintain underground facilities to new ~~general~~ commercial and industrial service and industrial service installations following these Plan provisions. Any charge to the owner ~~is~~ for the cost difference ~~of~~ for the ~~necessary~~ underground facilities requested ~~and~~ is non-refundable. The signed agreement with the owner for underground service shall specify the payment arrangements.[1]

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1	New Commercial Developments
	Extension of facilities will be based on a 4-year revenue requirement. The City will estimate the cost of the installation of facilities within the new development and estimate the margin from the customers over a four (4) year period. All expenses that exceed the estimated margin will require a contribution in aid from the developer. The estimated cost of installation shall be the cost of new primary, secondary facilities, and services for the development.[2]
2	New Single Commercial Structure
	Secondary Service Line: will be installed at no charge. Overhead Primary: First 300 ft. will be installed at no cost. Underground Primary: First 100 ft. will be installed at no cost. Additional footages of overhead and/or primary will be charged based on estimated cost of installation.[2]
3	New Industrial Developments (demand of 500 kW or larger)
	Extension of facilities will be based on a 3-year revenue requirement. The City will estimate the cost of the installation of facilities within the new development and estimate the margin from the customers over a three (3) year period. All expenses that exceed the estimated margin will require a contribution in aid from the developer. The estimated cost of installation shall be the cost of new primary, secondary facilities, and services for the development.[2]

1- Customer Service Policy and Fee Schedule Ordinance shall be referred to for other application and connection fees.
2- The estimate shall be the cost ~~new~~ of material used, including spare equipment, if any, plus applicable labor, transportation, stores, tax, engineering and general expenses.

~~1~~	~~New Service Installations Requiring Only Secondary Voltage Facilities~~	~~See Customer Service Policy.~~
~~2~~	~~New Service Installations Requiring Primary Voltage Loop System Facilities~~	~~See Customer Service Policy.~~
~~3~~	~~New Service Installations Requiring Primary Voltage Radial Extension Facilities~~	~~No charge except for cost difference of single-phase primary facilities exceeding 300 feet, or three-phase primary facilities exceeding 500 feet. See Customer Service Policy for secondary fees.~~

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~~4 New Bulk Feeder and Subfeeders Cost difference of such primary facilities~~

Conversion To Underground

The City will replace an existing overhead distribution system with an underground system in an existing residential development or other area under the following terms and conditions:

(1) The City shall place facilities underground by an agreement with the requesting persons which provides for payment of a nonrefundable contribution~~-~~ in~~-~~ aid~~-~~ of~~-~~ construction equal to the cost difference plus the loss due to early retirement of the existing overhead facilities.

(2) Preliminary engineering studies are necessary to determine the approximate costs of replacing overhead with underground facilities. Persons requesting replacement of such facilities shall pay, prior to commencement of such studies by the City, a good faith, nonrefundable deposit in an amount of $100 for each 600 feet of front lot lines for residential development studies, and, for studies of all other service areas, the estimated cost of the preliminary engineering study. If the replacement is undertaken following completion of such studies, actual costs, including preliminary engineering studies, will be charged and credit will be given for the estimated costs, or deposit, which was advanced.

(3) The City need not replace existing overhead systems with underground facilities, except individual services form pole to residence, unless at least one block or 600 feet of front lot line is involved, whichever is less.

(4) All customers served directly from the specific section of line or in the area to be replaced with underground facilities shall agree to the conditions outlined for replacement of overhead facilities.

(5) Owners shall arrange the wiring of their structures to receive underground service at meter locations which allow unimpeded installation of the underground service facilities. Owner shall locate all nonutility underground facilities before the City begins installation of any underground facilities. The City will not be responsible for damage to any nonutility facilities which are not located.

Estimates

Estimates of the cost of the underground and overhead facilities for the purpose of determining the amount of the contribution in aid of construction will be in accord with the City's current construction design practices and shall be based upon the equivalent conductor and transformer capacity required for the electrical load specified by the owner. The estimate shall be the cost ~~new~~ of material used, including spare equipment, if any, plus applicable labor, transportation, stores, tax, engineering and general expenses.

General Provisions

(1) Facilities associated with an underground distribution system, other than the conductors, may by installed above or below ground level as determined solely by the City in accord with the current construction design practices of the City.

(2) The City will normally not provide underground service at secondary voltages above 480 volts.

(3) The City will provide service to a single transformer using a loop system design at the request of the owner who desires to have a loop system installed and makes a payment equal to the estimated cost of the additional facilities in excess of the radial extension facilities.

(4) Existing overhead distribution bulk feeders will remain installed overhead unless the owner desires to have them installed underground. A contribution in aid equal to the estimated cost difference between underground and overhead facilities is required. ~~New bulk feeders necessary to serve a new underground residential subdivision will be installed overhead unless the owner desires to have them installed underground, and makes a contribution in aid of construction equal to the estimated cost difference between underground and overhead facilities.~~ If it is necessary to extend a distribution bulk feeder through an existing underground residential development, it will be installed underground at City expense.

(5) New subfeeders necessary to serve a new underground subdivision or development will be installed underground inside such areas ~~at no charge~~. New subfeeders outside such areas normally will be installed overhead, unless the owner desires to have them installed underground and makes a contribution in aid of construction payment equal to the estimated cost difference.

(6) Developments shall be divided into established and defined lots. ~~For purposes of determining service categories,~~ the average size of lots shall be expressed in square feet.

(7) Prior to the installation of the underground distribution system by the City, the final grade levels of the building sites shall be established by the owner. The building construction program shall be coordinated with the installation of underground electrical facilities to permit unimpeded access of the Company's equipment to the installation sites; to allow installation of underground facilities at proper depth and before streets, curbs or other obstructions are installed; and to eliminate dig-ins to the underground electrical facilities after installation. Should streets, curbs or other obstructions be present prior to installation of underground facilities, resulting in additional expense to the City, payment for these additional expenses shall be made to the City by the owner. Should established lots of final grade levels change after installation of underground electrical facilities has begun, or if installation of electrical facilities are required by the owner before final grades are established, and either of these

conditions results in additional expenses to the City, payment for these additional expenses shall be made to the City by the owner.

(8) Should existing sidewalks, septic tank systems, fuel tanks, other utility line, or other man-made obstructions result in additional expenses to the City, payment for same will be made by the owner.

(9) Actual costs brought about in connection with the compliance of special requirements, if any, of municipalities, State and Federal highway agencies or departments regarding the breaking of pavement, ditching backfilling, and other related conditions, will be paid by the owner.

(10) The City will make, or adjust, charges to the owner to collect the actual additional costs to the City due to adverse conditions, such as: the composition of the land where the underground facilities are to be installed is such that standard construction equipment cannot be used to complete the installation; or, special equipment and materials are needed for stream crossing structures or concrete structures; or, dynamite is required; or, if abrupt changes in final grade levels exceed a slope ratio of 1 when measured within three feet of the trench.

(11) The City's agreement to provide underground service is dependent upon the securing of all necessary rights, easements, rights-of-way, privileges, franchises or permits for the installation of such service from those requesting the underground facilities. The City shall exercise care in the utilization of its underground equipment during construction, but the ultimate responsibility for the protection of shrubs, trees and grass sod will be with the owner. Shrubs, trees, or any other obstacle shall not be placed within ten feet of transformer or cabinet openings which would hinder the access of the City at any time.

(12) Temporary service will not be available in the area served from underground facilities until the underground system is in place unless the owner elects to pay the "in and out" costs of temporary facilities necessary to deliver the temporary service from overhead distribution lines. After the underground facilities are in place, temporary service may be provided for no charge only at a transformer or pedestal location.

(13) Underground conductors to provide service to street lights along public streets, roads, and other public thoroughfares, will be installed a City expense concurrently with the installation of an underground system for new developments. Where such street light conductors are not installed concurrently with the underground system, subsequent installation of underground conductors will be made at no additional charge where the customer requesting the lights pays the cost of overcoming any man-made obstructions. Subsequent street and area lighting service will be furnished under the applicable rate schedule on file with and approved by the Commission.

(14) The City will provide and coordinate underground service facilities with other requested facilities which are supplied under the Extra Facilities provision of the City's Service Regulations.