

Electric Rate Schedules

City of Hamilton, Ohio

Effective:
February 1, 2019



**DEPARTMENT OF
INFRASTRUCTURE**

HAMILTON, OHIO

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Residential Service

Availability

This schedule is available throughout the service area of the City of Hamilton Electric Distribution System where facilities of adequate capacity exist adjacent to the premises to be served.

Applicability

This schedule is applicable to electric service for individual Residential private dwellings and for individual Residential apartments served through one meter at a single point of delivery. Service under this schedule is not applicable to seasonal, standby, auxiliary, or supplementary service or for resale service.

Character of Service

The type of service furnished under this rate schedule shall be single phase, 60 Hertz alternating current at available City secondary voltages supplied through a single set of service wires.

Monthly Rates and Charges

Fixed Charge (\$ per month):

<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
15.50	17.50	19.50	21.50	23.50

Energy Charge (\$ per kWh):

<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
0.13226	0.13097	0.13258	0.13126	0.13312

Minimum Charge: The Minimum Charge under this schedule shall not be less than the monthly Customer Charge.

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider A – Power Cost Adjustment Rider (PCA)
2. Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)
3. Rider C – Suburban Surcharge Rider
4. Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)
5. Rider E – Unfunded Governmental and Regulatory Mandates Electric Utility Adjustment Rider (UGRMA)
6. Rider F – Economic Development Cost Electric Utility Adjustment Rider (EDCA)
7. Excise (Kilowatt-Hour) Tax

Terms and Conditions

1. The charges for service under this rate schedule exclude and are in addition to charges for service rendered to the customer under any other rate schedule.
2. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances of the City of Hamilton and the Utility's General Rules and Regulations.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Commercial Non-Demand Service

Availability

This schedule is available throughout the service area of the City of Hamilton Electric Distribution System where facilities of adequate capacity exist adjacent to the premises to be served.

Applicability

This schedule is applicable to electric service for Commercial/Governmental customers and master metered multi-unit Residential complexes served through one meter at a single point of delivery with average monthly demand for the preceding 12 months of less than 25 kW. Service under this schedule is not applicable to seasonal, standby, auxiliary, or supplementary service or for resale service.

Character of Service

Service furnished under this schedule shall be single-phase or three-phase, 60 Hertz alternating current at available City secondary voltages supplied through a single set of service wires.

Monthly Rates and Charges

Fixed Charge (\$ per month):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Single Phase	20.50	22.50	24.50	26.50	28.50
Three Phase	40.00	43.75	47.50	51.25	55.00

Energy Charge (\$ per kWh):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
	0.12123	0.12178	0.12519	0.12559	0.12929

Minimum Charge: The Minimum Charge under this schedule shall not be less than the monthly Customer Charge.

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider A – Power Cost Adjustment Rider (PCA)
2. Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)
3. Rider C – Suburban Surcharge Rider
4. Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)
5. Rider E – Unfunded Governmental and Regulatory Mandates Electric Utility Adjustment Rider (UGRMA)
6. Rider F – Economic Development Cost Electric utility Adjustment Rider (EDCA)
7. Excise (Kilowatt-Hour) Tax

Terms and Conditions

1. The charges for service under this rate schedule exclude and are in addition to charges for service rendered to the customer under any other rate schedule.
2. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances of the City of Hamilton and the Utility's General Rules and Regulations.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Commercial Demand Service

Availability

This schedule is available throughout the service area of the City of Hamilton Electric Distribution System where facilities of adequate capacity exist adjacent to the premises to be served.

Applicability

This schedule is applicable to electric service for Commercial/Governmental customers and master metered multi-unit Residential complexes served through one meter at a single point of delivery with average monthly demand for the preceding 12 months of 25 kW or greater but less than 200 kW. Service under this schedule is not applicable to seasonal, standby, auxiliary, or supplementary service or for resale service.

Character of Service

Service furnished under this schedule shall be single-phase or three-phase, 60 Hertz alternating current at available City secondary voltages supplied through a single set of service wires.

Monthly Rates and Charges

Fixed Charge (\$ per month):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Single Phase	35.00	38.75	42.50	46.25	50.00
Three Phase	60.00	70.00	80.00	90.00	100.00

Demand Charge (\$ per kW):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
	15.50	16.50	17.50	18.50	19.50

Energy Charge (\$ per kWh):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
	0.06533	0.0636	0.06482	0.06307	0.06453

Minimum Charge: The Minimum Charge under this schedule shall not be less than the monthly Customer Charge plus the Demand Charge.

Determination of Billing Demand

The monthly demand charge shall be the greater of the metered demand adjusted for power factor or the minimum billing demand.

1. Power factor. Power factor shall be not less than ninety percent (90%) lagging. If the Utility determines consumer's power factor to be less than ninety percent (90%), the monthly billed demand shall be the number of kilowatts (kW) equal to the metered kilovolt-amperes (kVA) multiplied by 0.90.
2. Minimum billing demand. The minimum billed demand shall be seventy percent (70%) of: (i) the consumer's contract capacity; or (ii) the consumer's highest monthly billed demand during the preceding twelve (12) months, whichever is greater.

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider A – Power Cost Adjustment Rider (PCA)
2. Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)
3. Rider C – Suburban Surcharge Rider
4. Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)
5. Rider E – Unfunded Governmental and Regulatory Mandates Electric Utility Adjustment Rider (UGRMA)
6. Rider F – Economic Development Cost Electric utility Adjustment Rider (EDCA)
7. Excise (Kilowatt-Hour) Tax

Terms and Conditions

1. The charges for service under this rate schedule exclude and are in addition to charges for service rendered to the customer under any other rate schedule.
2. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances of the City of Hamilton and the Utility's General Rules and Regulations.
3. The Utility reserves the right to require the consumer to install, own and operate at its expense, the necessary complete substation required to utilize service at the Utility's specified untransformed distribution voltage. In such case, a transformer ownership discount of \$0.20 per kW of billing demand would apply.
4. The Utility reserves the right to meter at either primary or secondary voltage by means of standard metering equipment. If the Utility elects to meter uncompensated at the primary voltage, the billing kW, kVA and kWh shall be the metered kW, kVA and kWh divided by 1.01.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Large Power Service

Availability

This schedule is available throughout the service area of the City of Hamilton Electric Distribution System where facilities of adequate capacity exist adjacent to the premises to be served.

Applicability

This schedule is applicable to electric service for Commercial, Industrial and Governmental customers and master metered multi-unit Residential complexes served through one meter at a single point of delivery with average monthly demand for the preceding 12 months of 200 kW or greater but less than 1,000 kW. Service under this schedule is not applicable to seasonal, standby, auxiliary, or supplementary service or for resale service.

Character of Service

Service furnished under this schedule shall be three-phase, 60 Hertz alternating current at available City secondary voltages supplied through a single set of service wires.

Monthly Rates and Charges

Fixed Charge (\$ per month):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Three Phase	140.00	170.00	200.00	230.00	260.00
Time-of-Use (TOU)	340.00	370.00	400.00	430.00	460.00

Demand Charge (\$ per kW):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
On-Peak	20.50	21.50	22.50	23.50	24.50
Off-Peak (TOU Only)	15.68	16.68	17.68	18.68	19.68

Energy Charge (\$ per kWh):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
	0.05260	0.04951	0.04924	0.04591	0.04565

Minimum Charge: The Minimum Charge under this schedule shall not be less than the monthly Customer Charge plus the Demand Charge.

Determination of Billing Demand

The monthly demand charge shall be the greater of the metered demand adjusted for power factor or the minimum billing demand.

1. **Power factor.** Power factor shall be not less than ninety percent (90%) lagging. If the Utility determines consumer's power factor to be less than ninety percent (90%), the monthly billed demand shall be the number of kilowatts (kW) equal to the metered kilovolt-amperes (kVA) multiplied by 0.90.
2. **Minimum billing demand.** The minimum billed demand shall be seventy percent (70%) of: (i) the consumer's contract capacity; or (ii) the consumer's highest monthly billed demand during the preceding twelve (12) months, whichever is greater.
3. **Time of use.** For consumers with a time-of-use demand meter, the on-peak billed demand shall be the maximum demand recorded during the on-peak period. The off-peak billed demand shall be the maximum demand recorded during the off-peak period less the on-peak billed demand. The on-peak period is defined as the fourteen-hour period between 8 a.m. and 10 p.m. local time on all non-holiday weekdays. The off-peak period is defined as all other time. Holidays are New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider A – Power Cost Adjustment Rider (PCA)
2. Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)
3. Rider C – Suburban Surcharge Rider
4. Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)
5. Rider E – Unfunded Governmental and Regulatory Mandates Electric Utility Adjustment Rider (UGRMA)
6. Rider F – Economic Development Cost Electric utility Adjustment Rider (EDCA)
7. Excise (Kilowatt-Hour) Tax

Terms and Conditions

1. The charges for service under this rate schedule exclude and are in addition to charges for service rendered to the customer under any other rate schedule.
2. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances of the City of Hamilton and the Utility's General Rules and Regulations.
3. The Utility reserves the right to require the consumer to install, own and operate at its expense, the necessary complete substation required to utilize service at the Utility's specified untransformed distribution voltage. In such case, a transformer ownership discount of \$0.20 per kW of billing demand would apply.
4. The Utility reserves the right to meter at either primary or secondary voltage by means of standard metering equipment. If the Utility elects to meter uncompensated at the primary voltage, the billing kW, kVA and kWh shall be the metered kW, kVA and kWh divided by 1.01.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Industrial Service

Availability

This schedule is available throughout the service area of the City of Hamilton Electric Distribution System where facilities of adequate capacity exist adjacent to the premises to be served.

Applicability

This schedule is applicable to electric service for Commercial, Industrial and Governmental customers served through one meter at a single point of delivery with average monthly demand for the preceding 12 months of 1,000 kW or greater. Service under this schedule is not applicable to seasonal, standby, auxiliary, or supplementary service or for resale service.

Character of Service

Service furnished under this schedule shall be three-phase, 60 Hertz alternating current at available City primary voltages supplied through a single set of service wires.

Monthly Rates and Charges

Fixed Charge (\$ per month):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Three Phase	350.00	387.50	425.00	462.50	500.00
Time-of-Use (TOU)	550.00	587.50	625.00	662.50	700.00

Demand Charge (\$ per kW):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
On-Peak	22.40	23.80	25.20	26.60	28.00
Off-Peak (TOU Only)	16.96	18.36	19.76	21.16	22.56

Energy Charge (\$ per kWh):

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
	0.04264	0.03783	0.03583	0.03076	0.02876

Minimum Charge: The Minimum Charge under this schedule shall not be less than the monthly Customer Charge plus the Demand Charge.

Determination of Billing Demand

The monthly demand charge shall be the greater of the metered demand adjusted for power factor or the minimum billing demand.

1. **Power factor.** Power factor shall be not less than ninety percent (90%) lagging. If the Utility determines consumer's power factor to be less than ninety percent (90%), the monthly billed demand shall be the number of kilowatts (kW) equal to the metered kilovolt-amperes (kVA) multiplied by 0.90.
2. **Minimum billing demand.** The minimum billed demand shall be seventy percent (70%) of: (i) the consumer's contract capacity; or (ii) the consumer's highest monthly billed demand during the preceding twelve (12) months, whichever is greater.
3. **Time of use.** For consumers with a time-of-use demand meter, the on-peak billed demand shall be the maximum demand recorded during the on-peak period. The off-peak billed demand shall be the maximum demand recorded during the off-peak period less the on-peak billed demand. The on-peak period is defined as the fourteen-hour period between 8 a.m. and 10 p.m. local time on all non-holiday weekdays. The off-peak period is defined as all other time. Holidays are New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day.

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider A – Power Cost Adjustment Rider (PCA)
2. Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)
3. Rider C – Suburban Surcharge Rider
4. Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)
5. Rider E – Unfunded Governmental and Regulatory Mandates Electric Utility Adjustment Rider (UGRMA)
6. Rider F – Economic Development Cost Electric utility Adjustment Rider (EDCA)
7. Excise (Kilowatt-Hour) Tax

Terms and Conditions

1. The charges for service under this rate schedule exclude and are in addition to charges for service rendered to the customer under any other rate schedule.
2. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances of the City of Hamilton and the Utility's General Rules and Regulations.
3. The Utility reserves the right to require the consumer to install, own and operate at its expense, the necessary complete substation required to utilize service at the Utility's specified untransformed distribution voltage. In such case, a transformer ownership discount of \$0.20 per kW of billing demand would apply.
4. The Utility reserves the right to meter at either primary or secondary voltage by means of standard metering equipment. If the Utility elects to meter uncompensated at the secondary voltage, the billing kW, kVA and kWh shall be the metered kW, kVA and kWh multiplied by 1.01.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Security and Private Area Lighting Service

Availability

Service under this Security and Private Area Lighting Service Rate Schedule is available to customers where the Utility's standard outdoor lighting unit can reasonably be installed by the Utility.

Monthly Rate

Billing for service shall be monthly. Rates for service are set forth in the following table.

Light Type	Monthly Energy Consumption (kWh)	Monthly Rate (\$)				
		2/1/2019	2/1/2020	2/1/2021	2/1/2022	2/1/2023
High Pressure Sodium						
Standard Cobra Head Fixtures						
70 Watt	30	5.89	6.00	6.12	6.25	6.37
100 Watt	45	7.08	7.22	7.36	7.51	7.66
150 Watt	65	8.05	8.21	8.37	8.54	8.71
200 Watt	85	9.27	9.46	9.65	9.84	10.04
400 Watt	170	14.35	14.64	14.93	15.23	15.53
Floodlighting						
400 Watt	170	14.79	15.09	15.39	15.70	16.01
1,000 Watt	440	32.10	32.74	33.39	34.06	34.74
Metal Halide						
Floodlighting						
400 Watt	170	15.80	16.12	16.44	16.77	17.11
1,000 Watt	440	31.59	32.22	32.86	33.52	34.19
LED-Standard Fixtures						
20 Chip	48	7.08	7.22	7.36	7.51	7.66
30 Chip	70	9.27	9.46	9.65	9.84	10.04
60 Chip	204	14.35	14.64	14.93	15.23	15.53
Package Light	39	5.89	6.00	6.12	6.25	6.37
Mercury Vapor						
Standard Cobra Head Fixtures						
100 Watt	45	4.57	4.66	4.75	4.85	4.95
175 Watt	75	5.52	5.63	5.74	5.85	5.97
250 Watt	110	7.35	7.50	7.65	7.80	7.96
400 Watt	170	8.40	8.57	8.74	8.91	9.09
Floodlighting						
400 Watt	170	11.92	12.16	12.40	12.65	12.90
1,000 Watt	440	23.28	23.75	24.23	24.71	25.20
Pole and Span Charge (1)		4.63	4.72	4.81	4.91	5.01

If the security light cannot be installed on an existing pole and a pole must be installed to provide security lighting service, the following additional monthly charge shall apply:

1. Pole and Span Charge - \$4.54

Rate Adjustment

This rate schedule is subject to the following riders and taxes:

1. Rider C – Suburban Surcharge Rider

Terms and Conditions

1. The lighting fixture shall be photo-electric or otherwise controlled so as to provide dusk-to-dawn, year-round lighting service. Service under this Schedule is available only on a continuous year-round basis.
2. Where the premises are occupied by a tenant, the Utility reserves the right to require the application for service to be made by the property owner, with the property owner responsible for the payment of all bills.
3. Customers requesting new fixtures must contract to take or pay for service for a period of not less than three (3) years. If service is discontinued prior to expiration of the three-year period, customer shall pay, at the time of discontinuance, the charges for the remaining portion of the three-year period at the rates then in effect.
4. The charges for service under this rate schedule are exclusive of and in addition to charges for services rendered to the customer under any other rate schedule.
5. Service under this rate schedule is subject to all applicable provisions of the Codified Ordinances and the Utility's General Rules and Regulations.
6. No mercury vapor fixtures will be installed after May 14, 2002. Replacement of mercury vapor fixtures shall consist of either LED, high pressure sodium or metal halide fixtures.

Terms of Payment

All bills shall be due monthly and payable when issued. The account shall be considered delinquent if not paid in full by the due date appearing on the bill.

Late Fee

A five percent (5%) late fee will be applied to the total amount due for payments received after the due date. An additional one percent (1%) late fee will be applied on outstanding balances over 30 days in arrears.

Effective Date

Effective for bills rendered on and after February 1, 2019.

Rider A - Power Cost Adjustment Rider (PCA)

Purpose

This PCA calculation shall be based on forward looking projections of power supply related costs and kWh sales for the period. The calculation shall be performed at six month intervals or more frequently, if required, to accomplish recovery of power supply related costs in a timely manner. The calculation includes a provision to reconcile over or under collection of costs from previous periods based on actual cost versus projected cost for the period.

Calculation

The formula for calculating the power cost adjustment (PCA) is:

$$PCA = PCC + RA$$

Where:

PCC = Power cost component as determined below, expressed in dollars per kilowatt hour.

RA = Reconciliation adjustment as determined below, expressed in dollars per kilowatt hour.

Application

The Utility shall review the Power Cost Adjustment calculation and shall project its power supply costs for the periods beginning August and February, respectively. The Utility shall, when it deems necessary, make adjustments to its rate schedule energy charges in future billings to customers for such period as it deems necessary to accomplish the purposes of this Rider in a timely manner.

Definitions

PC = Power Cost, which is:

1. The sum of:
 - a. The fuel costs of City-owned generating facilities,
 - b. Variable operation and maintenance costs of City-owned generating facilities,
 - c. The purchased power costs,
 - d. AMP Dispatch Center, Energy Services and Membership Fees,
 - e. All transmission charges,

- f. SO₂ and seasonal NO_x allowance costs,
 - g. Fees, taxes and payments in lieu of taxes incurred by:
 - i. City-owned generating facilities,
 - ii. Transmission and transformation facilities required to transmit generation to the City, and
 - h. PJM RPM capacity obligation charges, less
2. Amounts received for:
- a. Off-system sales of capacity and energy,
 - b. Sale of renewable energy credits and SO₂ and seasonal NO_x emission allowances,
 - c. Use of City-owned transmission and distribution facilities, and
 - d. PJM RPM capacity credits

PPC = Projected PC.

APC = Actual PC for the preceding collection period.

S = Sales excluding:

- 1. Sales for off-system sales of energy (opportunity sales), and,
- 2. On-system energy sales the charges for which are not subject to adjustment by the PCA, expressed in kilowatt-hours.

PS = Projected S.

AS = Actual S for the preceding collection period.

BPC = Base Power Cost of \$0.08830 per kWh.

PCR = Power cost revenue which is the sum of:

- 1. The PCC billed during the preceding collection period and
- 2. The BPC, expressed in dollars per kilowatt-hour.

Power Cost Component

The formula for calculating the power cost components (PCC) is:

$$PCC = \frac{PPC}{PS} - BPC$$

Reconciliation Adjustment

The formula for calculating the reconciliation adjustment (RA) is:

$$RA = \frac{APC - PCR}{AS}$$

Rider B – Electric Rate Stabilization Fund Adjustment Rider (ERSF)

A Master Trust Agreement, First Supplemental Trust Agreement and Second Supplemental Trust Agreement, all of date November 1, 2002, (collectively referred to hereafter as “Indenture”) between the City of Hamilton, Ohio, and The Huntington National Bank, as Trustee, entered into pursuant to authorization contained in Ordinance Nos. EOR2002-9-78, EOR2002-9-79 and EOR20029-80, established an Electric Rate Stabilization Fund. The charges under each rate schedule contained in Chapter 943 shall be increased in any fiscal year by the percentage certified by the City Manager to the Director of Finance and the Director of Electric as necessary to cause an appropriation to the Electric Rate Stabilization Fund in such fiscal year in the amount required by the Indenture to be credited with respect to such fiscal year, such increase to take effect commencing the month after such certification.

Rider C – Suburban Surcharge Rider

Electric consumers outside the corporation limits of the City shall receive only such service as shall have been approved pursuant to Section 927.10 and in such event shall pay the charges determined under the applicable rate schedule or schedules plus a surcharge of five percent (5%). Such consumers also shall pay to the General Fund of the City for payment to the State of Ohio an additional surcharge amount equal to the excise tax levied and imposed on the City by Section 527.81 of the Ohio Revised Code, based on the number of kilowatt-hours billed to each such consumer. Sales of power and energy to such consumers may be made only from surplus and shall be subject to all other applicable limitations of the Ohio Constitution.

Rider D – Unfunded Environmental Mandates Adjustment Rider (UEMA)

Scope

The Utility shall recover through application of the UEMA all expenditures for operating, capital improvements, investments and related debt service principal and interest payments that are paid or payable to parties other than Utility employees which are associated with the Utility's compliance with environmental mandates that are not included or recovered in base electric rate charges or in the Power Cost Adjustment (Rider A) charges (Environmental Costs).

Environmental Costs shall include Utility debt service payments (including principal and interest payments) associated with the deferral of Environmental Costs. Environmental Costs will be credited to reflect proceeds received from insurance carriers or other entities for amounts that represent reimbursement of costs associated with environmental compliance projects.

Environmental Costs shall not include the salaries of Utility employees, or any benefits related thereto.

The UEMA will be applied monthly as a percentage charge to electric customers total monthly billings so as to recover anticipated Environmental Costs during the period such expenditures are projected to be incurred by the Utility (Recovery Period). The total amount of any over or under recovery of Environmental Costs for preceding collection periods will be included as an Environmental Reconciliation Adjustment and thereby reflected in the UEMA for the Recovery Period.

Calculation

The formula for calculating the UEMA, expressed as a percentage, is:

$$\text{UEMA} = (\text{EC} + \text{ERA})/\text{R}$$

Where:

EC = Environmental Costs to be recovered from electric customers during the Recovery Period.

ERA = Environmental Reconciliation Adjustment is a dollar adjustment that reflects the difference between actual Environmental Costs incurred during preceding collection periods and the actual revenues collected by the UEMA during the same collection period.

R = Revenue from all base rate and Power Cost Adjustment (Rider A) charges billed to electric customers during the Recovery Period.

Application

The Utility shall review the UEMA calculation and make projections for the Recovery Period at least annually. The Utility shall, when it deems necessary, make adjustments to the UEMA applied to customers for such period as it deems necessary to accomplish the purposes of this Rider in a timely manner.

Rider E – Unfunded Governmental and Regulatory Mandates Adjustment Rider (UGRMA)

Scope

The Utility shall recover through application of the UGRMA all expenditures for operating, capital improvements, investments and related debt service principal and interest payments that are paid or payable to parties other than Utility employees which are associated with the Utility's compliance with governmental and regulatory mandates that are not included or recovered in base electric rate charges, Power Cost Adjustment (Rider A) charges (Governmental and Regulatory Costs) and Unfunded Environmental Mandates Adjustment (Rider D). Governmental and Regulatory Costs shall include Utility debt service payments (including principal and interest payments) associated with the deferral of Governmental and Regulatory Costs. Governmental and Regulatory Costs will be credited to reflect proceeds received from insurance carriers or other entities for amounts that represent reimbursement of costs associated with governmental and regulatory caused compliance projects. Governmental and Regulatory Costs shall not include the salaries of Utility employees, or any benefits related thereto.

The UGRMA will be applied monthly as a percentage charge to electric customers total monthly billings so as to recover anticipated Governmental and Regulatory Costs during the period such expenditures are projected to be incurred by the Utility (Recovery Period). The total amount of any over or under recovery of Governmental and Regulatory Costs for preceding collection periods will be included as Governmental and Regulatory Reconciliation Adjustment and thereby rejected in the UGRMA for the Recovery Period.

Calculation

The formula for calculating the UGRMA, expressed as a percentage, is:

$$\text{UGRMA} = (\text{EC} + \text{ERA})/\text{R}$$

Where:

EC = Governmental and Regulatory Costs to be recovered from electric customers during the Recovery Period.

ERA = Governmental and Regulatory Reconciliation Adjustment is a dollar adjustment that reflects the difference between actual Governmental and Regulatory Costs incurred during preceding collection periods and the actual revenues collected by the UGRMA during the same collection period.

R = Revenue from all base rate and Power Cost Adjustment (Rider A) charges billed to electric customers during the Recovery Period.

Application

The Utility shall review the UGRMA calculation and make projections for the Recovery Period at least annually. The Utility shall, when it deems necessary, make adjustments to the UGRMA applied to customers for such period as it deems necessary to accomplish the purposes of this Rider in a timely manner.

Rider F – Economic Development Cost Adjustment Rider (EDCA)

Scope

The Electric Utility (Utility) shall recover economic development expenditures through the application of the EDCA including the sum of the Economic Development Agreement (EDA) Annual Rebates and all expenditures including funds transferred from the Utility to the City of Hamilton Department of Administrative Division of Economic Development, operating, capital improvements, investments and related debt service principal and interest payments that are paid or payable to parties other than Utility employees which are associated with the Utility's economic development activities that are not included or recovered in base electric rate charges, Power Cost Adjustment (Rider A) charges, Unfunded Environmental Mandates Adjustment (Rider D) and Unfunded Governmental and Regulatory Mandates Adjustment (Rider E). Economic Development expenditures will be credited to reflect proceeds received from other entities for amounts that represent reimbursement of costs associated with economic development projects. Economic Development expenditures shall not include the salaries of Utility employees, or any benefits related thereto. Economic Development expenditures recovered by the EDCA shall be determined to be for a public purpose and benefit to the Utility. "Public purpose" and "Utility benefit" shall be determined by the Law Director and the Finance Director and approved by the Hamilton City Council. The EDCA will be applied monthly and added to electric customer's monthly billings to recover the Economic Development Cost Adjustment.

Application

The Utility shall review the Economic Development Cost Adjustment calculation and shall make annual projections for the succeeding period January to December (Collection Period). The Utility shall, when it deems necessary, make adjustments to the EDCA applied to customers for such period as it deems necessary to accomplish the purposes of this Rider in a timely manner.

Calculation

The formula for calculating the economic development cost adjustment (EDCA) is:

$$EDCA = (EDC * (MWF * RCM/PTWM))/RCM/12 + RA$$

Where:

$(EDC * (MWF * RCM/PTWM))/RCM/12$ = the Economic Development cost component, expressed in dollars per customer per month.

RA = Reconciliation Adjustment as determined below, expressed in dollars per customer per month.

$$RA = (AEDC * MWF * AM/ATWM))/AM/12 - (PPEDC * (MWF * PCM/ATWM))/PCM/12.$$

Definitions

EDC = PEDC – BEDC

PEDC = Projected Economic Development expenditures in the Collection Period.

BEDC = Economic Development expenditures in the base rates of \$386,628. At the time this rider was written, Economic Development expenditures in the base rates were \$203,116 for EDA Annual Rebates and \$183,512 for funds transferred to the City Department of Administrative Division of Economic Development.

PPEDC = Economic Development costs to be collected in the preceding Collection Period.

PPTWC = Projected total weighted customers during the preceding Collection Period.

AEDC = Actual Economic Development cost for the preceding Collection Period.

CWF = Customer weighting factor for each rate class in Table 1 below.

RCC = Projected average number of customers in the rate class during the Collection Period.

PCC = Projected average number of customers in the rate class during the preceding Collection Period.

PTWC = Projected total weighted customers during the Collection Period.

ACC = Actual average number of customers in the rate class during the preceding Collection Period.

ATWC = Actual total weighted customers during the preceding Collection Period.

**Table 1
 Customer Weighting Factors (CWF)**

Rate Class	Weighting Factor
Residential	
In City	1.00
Suburban	1.05
Commercial Non-Demand	
In City	3.00
Suburban	3.15
Commercial Demand Single Phase	
In City	3.00
Suburban	3.15
Commercial Demand Three Phase	
In City	5.00
Suburban	5.25
Large Power	
In City	10.00
Suburban	10.50
Industrial	
In City	10.00
Suburban	10.50

Excise (kilowatt-Hour) Tax

The rates and charges set forth in all applicable sections of the Codified Ordinances of the City of Hamilton, Ohio for the provision of Electric Utility Service to customers within and outside the corporation limits of the municipality shall include an amount equal to the excise (kilowatt-hour) tax imposed upon the City's electric system by virtue of Ohio Revised Code Section 5727.81. Said amount shall be included and calculated with all electric utility customer billing accounts having meter readings that and shall be automatically adjusted to reflect any change in the kilowatt-hour tax imposed by Ohio R.C. 5727.81.