



**Board Meeting Agenda
Thursday, October 22, 2020
Noon**

Call to Order

Roll Call

Approval of Minutes

Official Action

Consideration of Nominees for Commissioner Term beginning January 1, 2021

Resolution 1423 – A Resolution Amending the Existing Purchased Power Adjustment of the Electric Division, as Previously Established by Resolution No. 1065, as Heretofore Amended, to Address Changes to Wholesale Power Supply Costs Provided by the Tennessee Valley Authority's Pandemic Relief Credit – Second and Final Reading

Resolution 1424 – A Resolution in Appreciation of the Tennessee Valley Authority for COVID-19 Pandemic Relief Efforts in Support of Valley Residents and Businesses

Resolution 1425 – A Resolution Appointing Members of the Community Advisory Panel

President's Report

Public Comments

Adjournment



October 16, 2020

Knoxville Utilities Board
445 S. Gay Street
Knoxville, Tennessee 37902-1109

Commissioners:

The October 22 Board meeting agenda includes four official action items, including the selection of nominees to be sent to the Mayor to fill the Board seat to be vacated by Commissioner Pinnell at the end of this year (no resolution), two resolutions related to Pandemic relief assistance provided by TVA, and a resolution formally appointing members to the initial KUB Community Advisory Panel.

An overview of each resolution is provided below.

Resolution 1423 (Second Reading)

Resolution 1423 amends the Electric Division's Purchased Power Adjustment (PPA) for changes in KUB's wholesale power costs provided by TVA's Pandemic Relief Credit.

The TVA Board recently approved \$200 million in Pandemic Relief Credits to be provided to local power companies (like KUB) in the TVA service region and TVA's direct-served customers. KUB will receive its credits through its wholesale power invoice over a period of 12 months beginning with its October invoice.

KUB's Pandemic Relief Credits have two components: a 2.5% credit for standard service power costs and a 2.5% credit for non-standard service power costs. Non-standard service costs represent power purchased from TVA for our largest commercial and industrial electric customers. The credits associated with non-standard service must be applied directly to the monthly bills of the affected customers. However, for the standard service credits, KUB has some flexibility in how they are used.

KUB will use the standard service credits, estimated to be \$7.3 million in total, to provide financial assistance to KUB residential and business customers with past due balances accrued during the Pandemic crisis. We are currently establishing an arrangement with the Knoxville/Knox County Community Action Committee for the administration of the assistance. To use the credits in this manner, the PPA must be amended.

The Board approved Resolution 1423 on first reading at the September 17 meeting, and I recommend its approval on second and final reading.

Resolution 1424

At the September Board meeting, the Board expressed a desire to adopt a resolution expressing its appreciation for TVA and its Pandemic relief efforts in support of residents and businesses in the Tennessee Valley, including KUB customers.

In addition to the Pandemic Relief Credits, TVA has provided additional forms of assistance for our community and customers through Community Cares Grants and its Back-to-Business credit program. TVA also continues to provide on-going assistance through its Home Uplift program that provides matching funds for home weatherization for low-income customers.

Through Resolution 1424, the Board expresses its deep appreciation for TVA and its financial relief assistance to help KUB customers impacted by the Pandemic. I recommend its approval on first and final reading.

Resolution 1425

As you will recall, the Board adopted a resolution at its August meeting establishing a Community Advisory Panel and directing the President and CEO to identify members for the initial Panel. The resolution required the Board to adopt a subsequent resolution prior to November 1, 2020, setting forth the composition of the Panel.

Since the August meeting, staff received input from the City Administration, the Board, and the community to help identify members representing a diversity of viewpoints, experience, and expertise to serve on the Panel. A total of 16 members have been identified and are recommended for Board approval.

Resolution 1425 appoints members of the initial Community Advisory Panel and authorizes the President and CEO, in consultation with the Board Chair, to appoint future vacancies of the Panel. I recommend its approval on first and final reading.

Respectfully submitted,



Gabriel J. Bolas II
President and CEO

RESOLUTION NO. 1423

A Resolution Amending the Existing Purchased Power Adjustment of the Electric Division, as Previously Established by Resolution No. 1065, as Heretofore Amended, to Address Changes to Wholesale Power Supply Costs Provided by the Tennessee Valley Authority's Pandemic Relief Credit

Whereas, Knoxville Utilities Board of Commissioners (the "Board") has rate setting authority pursuant to Article XI of the Charter of the City of Knoxville; and

Whereas, the Board previously adopted Resolution No. 1065, as heretofore amended, providing for a Purchased Power Adjustment ("PPA") for the Electric Division; and

Whereas, Knoxville Utilities Board ("KUB") purchases its full electric power requirements from the Tennessee Valley Authority ("TVA"); and

Whereas, the communities in KUB's service territory have been impacted by the worldwide COVID-19 pandemic; and

Whereas, TVA has announced a Pandemic Relief Credit to be provided to local power companies to invest in their communities and support those they serve; and

Whereas, TVA will provide Pandemic Relief Credits in two categories, one based on Standard Service volumes, and the other based on the volumes of each Non-Standard Service customer: and

Whereas, KUB will receive Pandemic Relief Credits from TVA on the monthly wholesale power invoice for the period October 2020 to September 2021; and

Whereas, KUB staff has recommended updating the existing Purchased Power Adjustment to account for changes in wholesale power cost associated with TVA's Pandemic Relief Credit; and

Whereas, it is KUB staff's recommendation to use the Standard Service Pandemic Relief Credits to provide utility bill assistance to KUB customers, particularly those with past due balances accrued during the Pandemic crisis; and

Whereas, the Board has determined, upon recommendation from KUB staff, that it is in the best interest of KUB, its customers, and the community to amend the PPA in response to TVA's provision of Pandemic Relief Credits to be provided on the wholesale power supply invoice to KUB; and

Whereas, in accordance with Section 1107(L) of the Charter of the City of Knoxville, KUB has provided the required public notice of not less than five (5) days prior to a meeting of the Board when a rate schedule change is to be considered.

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF THE KNOXVILLE UTILITIES BOARD:

Section 1. That the Purchased Power Adjustment previously established in Exhibit A of Resolution 1414, shall be effective on October 1, 2020 with the new Exhibit A attached to this Resolution.

Section 2. That the previously approved Exhibit B of Resolution 1414, which provides for Time of Use rates, will become effective November 1, 2020 as previously approved.

Kathy Hamilton, Chair

Mark Walker, Board Secretary

APPROVED ON 1st
READING: _____ 9-17-20 _____
APPROVED ON 2ND
READING: _____
EFFECTIVE DATE: _____
MINUTE BOOK ____ PAGE _____

**RESOLUTION 1423
EXHIBIT A
PURCHASED POWER ADJUSTMENT
EFFECTIVE OCTOBER 1, 2020**

PURCHASED POWER ADJUSTMENT

I. Provision for Adjustment

The electricity rates per kWh, per kW or per customer account billed as set forth in the Rate Schedules of the Electric Division (Division) shall be increased or decreased by amounts hereinafter described, which amounts are called the "Purchased Power Adjustment" or the PPA.

II. Intent and Application to Various Purchases

(a) This Purchased Power Adjustment is intended to assure that KUB recovers on an equitable basis the total cost of electricity purchased for delivery to its electricity sales customers. The PPA is further intended to assure that no excess or deficiency in cost recovery from KUB's electric customers occurs.

(b) The PPA anticipates various costs of purchased power for the general distribution system including, but not limited to:

1. the cost of energy purchased
2. the cost of power demanded
3. the amount of hydro preference adjustment

III. Definitions

The following definitions shall apply to the terms as used in this Section. Any term used in this Section that is not otherwise defined in this Section shall have the meaning customarily ascribed to that term in the electric industry.

(a) Adjustment period – the twelve-month period beginning with the Effective Date of the Purchased Power Adjustment

(b) Base Rates of Purchased Power are:

1. Standard Service Base Rates – as set forth in Appendix A to this resolution
 - i. Demand kW Base Rate – the components designed to recover the cost of demand through Demand kW Sales

- ii. Demand kWh Base Rate – the components designed to recover the cost of demand through Demand kWh Sales
 - iii. Energy kWh Base Rate – the components designed to recover the cost of energy purchased through Energy kWh Sales
 - iv. Residential Customer Hydro Credit – the component designed to allocate the customer based hydro credit to each eligible residential customer account billed
 - v. Hydro Energy Credit – the components designed to allocate the wholesale hydro energy credit to applicable Energy Sales
 - vi. Hydro Energy Debit – the components designed to allocate the wholesale hydro energy debit to applicable Energy Sales
2. Manufacturing and General Power Service Cost Components – the wholesale base rates as set forth in the current wholesale rate schedules from Supplier plus an historical average for distribution losses
- (c) Base Retail Electric Rates – the retail rates per kWh or kW of electricity use or power demanded, or per customer account billed, exclusive of PPA components
- (d) Billing Determinants – average Standard Service units billed to KUB by its Supplier during the Computation Period, adjusted for known and measurable changes
1. Demand Billing Determinants – average Standard Service kW
 2. Energy Billing Determinants – average Standard Service kWh
 3. Residential Customer Hydro Credit – the sum of eligible residential customer accounts billed during KUB’s most recently completed fiscal year
 4. Hydro Energy Credit – average kWh used to calculate the hydro adjustment *credited* to KUB
 5. Hydro Energy Debit – average kWh used to calculate the Hydro adjustment *debited* to KUB
- (e) Change in Purchased Power Cost = Projected Purchased Power Cost less Power Cost Recovery (As follows):

1. Change in Demand Cost = Projected Demand Cost less Demand Cost Recovery
 - i. $\text{Change in Demand Cost kW} = \text{Change in Demand Cost} \times \frac{\text{Demand kW Power Cost Recovery}}{\text{Demand Cost Recovery}}$
 - ii. $\text{Change in Demand Cost kWh} = \text{Change in Demand Cost} \times \frac{\text{Demand kWh Power Cost Recovery}}{\text{Demand Cost Recovery}}$
 2. Change in Energy Cost = Projected Energy Cost less Energy Cost Recovery
 3. Change in Residential Customer Hydro Credit Cost = Projected Residential Customer Hydro Credit Cost less Residential Customer Hydro Credit Cost Recovery
 4. Change in Hydro Energy Credit Cost = Projected Hydro Energy Credit Cost less Hydro Energy Credit Cost Recovery
 5. Change in Hydro Energy Debit Cost = Projected Hydro Energy Debit Cost less Hydro Energy Debit Cost Recovery
- (f) Computation Period – the thirty-six (36) month period utilized to compute historical volumes purchased from Supplier and billed to customers. Such period shall be the thirty-six (36) month period ending on the last day of the fiscal year which is not more than ninety-three (93) days prior to the proposed Effective Date, as hereinafter defined, which month shall be determined by KUB based upon the availability of the needed information
- (g) Computation Period Sales – historic volumes billed to customers adjusted for known and measurable changes
1. Demand kW Sales – the sum of the average power demanded (kW) metered to Standard Service customers
 2. Demand kWh Sales – the sum of the average volumes of electricity having a demand component (kWh) metered to Standard Service customers
 3. Energy kWh Sales – the sum of the average volumes of electricity (kWh) metered to Standard Service customers
 4. Residential Customer Hydro Credit Sales – the sum of eligible residential customer accounts billed in the most recent KUB fiscal year

5. Hydro Energy Credit Sales – the sum of the average volumes to which the wholesale hydro energy credit applies, expressed in kWh, metered to eligible residential customers
 6. Hydro Energy Debit Sales – the sum of the average volumes to which the wholesale hydro energy debit applies, expressed in kWh, metered to Standard Service customers
- (h) Green Invest Cost – the incremental invoiced cost, including Product price and Third-Party Costs, if any, from TVA associated with purchase of renewable energy from TVA under the Green Invest Agreement, or any similar program offerings by TVA in pursuit of renewable energy for KUB customers, as may be amended from time to time, as approved in Resolution 1410, as may be amended from time to time
- (i) Long-term Partnership Credits – all wholesale invoice credits provided by TVA in recognition of signing the TVA Long-Term Agreement, as may be amended from time to time, as approved in Resolution 1410, as may be amended from time to time
- (j) Manufacturing and General Power Service – power and energy sold and billed to KUB under any classification other than Standard Service
- (k) Power Cost Recovery – the Projected Purchased Power Cost recovery during the Adjustment Period using the Base Rates. The Power Cost Recovery shall be calculated as follows:
1. Demand Cost Recovery – the sum of the Demand kW Power Cost Recovery and the Demand kWh Power Cost Recovery as described below:
 - i. Demand kW Power Cost Recovery = Demand kW Base Rates (\$) x Demand kW Sales (kW)
 - ii. Demand kWh Power Cost Recovery = Demand kWh Base Rates (\$) x Demand kWh Sales (kWh)
 2. Energy Cost Recovery = Energy kWh Base Rates (\$) x the sum of Energy kWh Sales (kWh)
 3. Residential Customer Hydro Credit Cost Recovery = Residential Customer Hydro Credit (\$) x Residential Customer Hydro Credit Sales (#)

4. Hydro Energy Credit Cost Recovery = Hydro Energy Credit (\$) x Hydro Energy Credit Sales (kWh)
 5. Hydro Energy Debit Cost Recovery = Hydro Energy Debit (\$) x Hydro Energy Debit Sales (kWh)
- (l) Projected Purchased Power Cost – the Purchased Power Costs projected to be incurred by the Division during the Adjustment Period. The Purchased Power Costs shall be based on the best information available to KUB and shall have categories as follows:
1. Projected Demand Cost = all projected Purchased Power Demand Costs including, but not limited to, Demand Billing Determinants x the appropriate Supplier Rates
 2. Projected Energy Cost = all projected Purchased Power Energy Costs including, but not limited to, Energy Billing Determinants x the appropriate Supplier Rates
 3. Projected Residential Customer Hydro Credit Cost = Residential Customer Hydro Credit Billing Determinants x the appropriate Supplier Rates
 4. Projected Hydro Energy Credit Cost = Hydro Energy Credit Billing Determinants x the appropriate Supplier Rates
 5. Projected Hydro Debit Cost = Hydro Energy Debit Billing Determinants x the appropriate Supplier Rates
- (m) Purchased Power Costs – the total cost, paid or to be paid to Supplier in connection with the purchase of electricity for the Division excluding the following: Long-term Partnership Credits, Standard Service Pandemic Relief Credits, and Green Invest Costs. Purchased Power Costs are segregated into categories as follows:
1. Purchased Power Demand Costs – all Purchased Power Costs related to and varying with power demanded (i.e. kW)
 2. Purchased Power Energy Costs – Purchased Power Costs, including both fuel and non-fuel components of electricity, and excluding calculation of Hydro Energy Debits and Hydro Energy Credits, related to and varying with energy consumption (i.e. kWh)
 3. Purchased Power Residential Customer Hydro Credit Costs – all Purchased Power costs calculated as a credit based on number of eligible residential accounts billed

4. Purchased Power Hydro Energy Credit Costs – all Standard Service Purchased Power costs calculated as a credit based on eligible Hydro Energy Credit volumes (i.e. kWh)
5. Purchased Power Hydro Energy Debit Costs – all Standard Service Purchased Power costs calculated as a debit based on eligible Hydro Energy Debit volumes (i.e. kWh)

Total Purchased Power Costs shall exclude Long-term Partnership Credits, Standard Service Pandemic Relief Credits, and Green Invest Costs.

All other costs not directly attributable to one of the categories described above shall default to Purchased Power Energy Costs.

All costs not attributable to Manufacturing and General Power Service shall default to Standard Service.

- (n) Standard Service – power and energy taken by KUB from Supplier for resale to customers and billed to KUB by Supplier at Standard Service wholesale rates
 - (o) Standard Service Pandemic Relief Credits – that portion of wholesale invoice credit provided by TVA, calculated based on Standard Service usage, and designed to provide base wholesale rate relief during the wholesale invoice period October 2020 through September 2021
 - (p) Supplier – any entity that sells electricity to the Division
 - (q) Supplier Rates – the Supplier's rates which are known or if not known which are reasonably anticipated to be in effect on the first day of the Adjustment Period
- IV. Seasonal periods shall be determined as defined in the retail rate schedules of KUB's Electric Division.
- V. Computation of the Purchased Power Adjustment Components
- All change in costs which can be directly attributed to specific customer classes shall be recovered from those customer classes; where change in costs cannot be directly attributed to specific customer classes those costs shall be divided over all Standard Service demand or energy sales as applicable.
- Where change in costs cannot otherwise be directly attributed, the change in costs shall be divided over applicable Energy kWh Sales.

The components of the Purchased Power Adjustment shall be computed and rounded to the nearest hundredth of a cent per kWh, with five thousandths of a cent to be increased to the next higher hundredth of a cent, for adjustments affecting kWh; and computed and rounded to the nearest cent per kW, with five tenths of a cent to be increased to the next higher cent, for adjustments affecting kW, as follows:

- (a) Demand kW Component = Change in Demand Cost kW/Demand kW Sales
- (b) Demand kWh Component = Change in Demand Cost kWh/Demand kWh Sales
- (c) Energy Component = Change in Energy Cost/Energy kWh Sales
- (d) Residential Customer Hydro Credit Component = Change in Residential Customer Hydro Credit Cost/Hydro Energy Credit Sales
- (e) Hydro Energy Credit Component = Change in Hydro Energy Credit Cost/Hydro Energy Credit Sales
- (f) Hydro Energy Debit Component = Change in Hydro Energy Debit Cost/Hydro Energy Debit Sales
- (g) Manufacturing and General Power Service Energy Component - Any energy rate per kilowatt hour (kWh) set forth in the current wholesale rate schedules for any rate schedule of the Electric Division duly adopted by the Board for Manufacturing and General Power Service subsequent to this resolution shall be increased or decreased, as applicable, by an amount equivalent to the increase or decrease for the wholesale energy rate for each respective rate schedule, plus an amount to provide for any change in distribution loss charges due to an increase or decrease in the respective wholesale energy rate
- (h) Manufacturing and General Power Service Demand Component - Any demand rate per kilowatt (kW) set forth in the current wholesale rate schedules for any rate schedule of the Electric Division duly adopted by the Board for Manufacturing and General Power Service subsequent to this resolution shall be increased or decreased, as applicable, by an amount equivalent to the increase or decrease in the wholesale demand rate for each respective rate schedule, plus an amount to provide for any change in distribution loss charges due to an increase or decrease in the respective demand rate

VI. Application and Effective Date of the Purchased Power Adjustment

(a) The Purchased Power Adjustment shall consist of the following:

1. Standard Service Demand kW Purchased Power Adjustment – the Demand kW Component
2. Standard Service Demand kWh Purchased Power Adjustment – the Demand kWh Component
3. Standard Service Energy Purchased Power Adjustment – the Energy Component
4. Residential Hydro Credit Purchased Power Adjustment – the Residential Customer Hydro Credit Component and the Hydro Energy Credit Component
5. Hydro Energy Debit Purchased Power Adjustment – the Hydro Energy Debit Component
6. Manufacturing and General Power Service Purchased Power Adjustment – the sum of the Manufacturing and General Power Service Demand Component and the Manufacturing and General Power Service Energy Component

(b) Each Purchased Power Adjustment shall apply to billing periods beginning on or after the Effective Date of such adjustment.

1. The Standard Service Demand kW Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedule GSA, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.
2. The Standard Service Demand kWh Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedules RS, GSA, LS, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.
3. The Standard Service Energy Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedules RS, GSA, LS, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.

4. The Residential Hydro Credit Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedule RS.
 5. The Hydro Energy Debit Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for any rate schedule, other than Rate Schedule RS, designated for Standard Service of the Electric Division.
 6. The Manufacturing and General Power Service Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for rate schedules other than those designated for power and energy sold under Standard Service.
- (c) The Purchased Power Adjustment shall be computed as of and shall take effect on the first day of each calendar month (the "Effective Date").
- (d) Each computation of the Purchased Power Adjustment shall be promptly filed with the Chief Financial Officer and shall be accompanied with appropriate documentation supporting the calculation of the Purchased Power Adjustment.

VII. Purchased Power Accounting

- (a) To appropriately match revenues with the cost of purchased power as contemplated under this PPA, KUB shall originally record Purchased Power Costs as debit entries in the "Unrecovered Purchased Power" account. Monthly KUB shall debit the appropriate subaccount(s) of "Other Power Supply Expenses" with an amount equal to the product obtained by multiplying the appropriate power cost components (the sum of the Base Rates of Purchased Power and the current applicable Purchased Power Adjustment) by the appropriate sales billed to customers. The corresponding monthly credit entry shall be made to the "Unrecovered Purchased Power Cost" account.
- (b) The "Unrecovered Purchased Power Cost" account shall be subclassified into appropriate subaccounts, but at a minimum separate subaccounts shall be maintained for demand, energy, residential customer hydro credit, hydro energy credit, and hydro energy debit categories of the Purchased Power Costs.
- (c) If it cannot be determined which subaccount should be debited, the energy subaccount will be debited.

VIII. Adjustment for Over or Under Recovery of Standard Service Purchased Power Cost

- (a) To permit amortization of the accumulated balance in the “Unrecovered Purchased Power Cost” account, KUB shall include on August 1 of each year the June 30 balance of the “Unrecovered Purchased Power Cost” account for such year in the calculation of the Standard Service Purchased Power Adjustment. This balance shall be included in each monthly calculation of the Standard Service Purchased Power Adjustment commencing on August 1 and thereafter until the following August 1 at which time it shall be superseded by the then current June 30 balance.
- (b) The “Unrecovered Purchased Power Cost” balance shall be segregated into demand, energy, hydro energy credit, and hydro energy debit categories, and shall be added to or deducted from, as appropriate, the applicable Demand Costs, Energy Costs, Hydro Energy Credits, and Hydro Energy Debits included in the Standard Service Purchased Power Adjustment.

IX. Annual Reporting

Annually KUB shall retain an independent consultant to audit the transactions in the “Unrecovered Purchased Power Cost” account and the related Standard Service Purchased Power Adjustment calculations to verify that the procedures and intent of this Standard Service Purchased Power Adjustment are being followed. The independent consultant shall report his or her findings to The Board’s Audit and Finance Committee.

**RESOLUTION
APPENDIX A**

**BASE RATES OF PURCHASED POWER
STANDARD SERVICE**

	Summer	Winter	Transition
Residential Credit Eligible kWh			
demand kWh base	0.01975	0.01935	0.01935
energy kWh base	0.05462	0.05462	0.05462
hydro energy credit	-0.00297	-0.00297	-0.00297
Residential Customer Hydro Credit	As Stated in Current Effective Wholesale Contract		
Residential Debit Eligible kWh			
demand kWh base	0.01975	0.01935	0.01935
energy kWh base	0.04886	0.04886	0.04886
hydro energy debit	0.00279	0.00279	0.00279
GSA1 kWh			
demand kWh base	0.02383	0.02342	0.02342
energy kWh base	0.05533	0.05533	0.05533
hydro energy debit	0.00279	0.00279	0.00279
GSA2			
1st 15,000 kWh			
demand kWh base	0.01990	0.01949	0.01949
energy kWh base	0.05926	0.05926	0.05926
hydro energy debit	0.00279	0.00279	0.00279
additional kWh			
demand kWh base	0	0	0
energy kWh base	0.05033	0.05033	0.05033
hydro energy debit	0.00279	0.00279	0.00279
>50kW			
demand kW base	9.04	8.25	8.25
energy kWh base	0	0	0
GSA3			
kWh			
demand kWh base	0	0	0
energy kWh base	0.05033	0.05033	0.05033
hydro energy debit	0.00279	0.00279	0.00279
0-1000 kW			
demand kW base	9.41	8.65	8.65
energy kWh base	0	0	0
>1000 kW			
demand kW base	11.57	10.81	10.81
energy kWh base	0	0	0
LS kWh			
demand kWh base	0.00375	0.00375	0.00375
energy kWh base	0.04013	0.04013	0.04013
hydro energy debit	0.00279	0.00279	0.00279

**RESOLUTION 1423
EXHIBIT B
APPENDIX A TO THE PURCHASED POWER ADJUSTMENT
EFFECTIVE NOVEMBER 1, 2020**

APPENDIX A

**BASE RATES OF PURCHASED POWER
STANDARD SERVICE**

Residential Credit Eligible kWh	Summer	Winter	Transition
demand kWh base	0.02437	0.02396	0.02396
energy kWh base	0.06070	0.06070	0.06070
hydro energy credit	-0.00297	-0.00297	-0.00297

Residential Customer Hydro Credit As Stated in Current Effective Wholesale Contract

Residential Credit Eligible kWh - TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy credit	-0.00297	-0.00297	-0.00297

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy credit	-0.00297	-0.00297	-0.00297

Residential Debit Eligible kWh

demand kWh base	0.02437	0.02396	0.02396
energy kWh base	0.05494	0.05494	0.05494
hydro energy debit	0.00323	0.00323	0.00323

Residential Debit Eligible kWh - TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323

GSA1

kWh

demand kWh base	0.02845	0.02804	0.02804
energy kWh base	0.06141	0.06141	0.06141
hydro energy debit	0.00323	0.00323	0.00323

GSA1 TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323

GSA2	Summer	Winter	Transition
1st 15,000 kWh			
demand kWh base	0.02452	0.02411	0.02411
energy kWh base	0.06534	0.06534	0.06534
hydro energy debit	0.00323	0.00323	0.00323
additional kWh			
demand kWh base	0	0	0
energy kWh base	0.05641	0.05641	0.05641
hydro energy debit	0.00323	0.00323	0.00323
>50kW			
demand kW base	11.10	10.31	10.31
energy kWh base	0.00	0.00	0.00
 GSA2-A TOU			
Onpeak kWh			
demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323
Offpeak kWh			
energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323
 GSA2-B TOU			
Onpeak kWh			
demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323
Offpeak kWh			
energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323
 GSA3			
kWh			
demand kWh base	0	0	0
energy kWh base	0.05641	0.05641	0.05641
hydro energy debit	0.00323	0.00323	0.00323
0-1000 kW			
demand kW base	11.47	10.71	10.71
energy kWh base	0.00	0.00	0.00
>1000 kW			
demand kW base	13.63	12.87	12.87
energy kWh base	0.00	0.00	0.00
 LS kWh			
demand kWh base	0.00837	0.00837	0.00837
energy kWh base	0.04621	0.04621	0.04621
hydro energy debit	0.00323	0.00323	0.00323

RESOLUTION NO. 1424

A Resolution in Appreciation of the Tennessee Valley Authority for COVID-19 Pandemic Relief Efforts in Support of Valley Residents and Businesses

Whereas, the COVID-19 health pandemic started causing significant adverse financial and wellness impacts on Tennessee Valley residents and businesses in March 2020 and has since continued to cause hardship; and

Whereas, a number of Knoxville Utilities Board (“KUB”) residential and business customers are experiencing financial difficulties due to the pandemic and need utility bill payment assistance; and

Whereas, the Tennessee Valley Authority (“TVA”) joined KUB and other organizations in acting early in the pandemic to provide relief for customers who are having difficulty paying utility bills; and

Whereas, TVA implemented its Back-to-Business credit program in May 2020 and recently extended it to provide financial relief to large commercial and industrial electric customers who fully or partially suspended operations due to pandemic impacts; and

Whereas, TVA has provided \$160,000 in Community Care grants for agencies in KUB’s service area providing pandemic-related assistance; and

Whereas, TVA has announced a Pandemic Relief Credit to be provided to local power companies to invest in their communities and support those they serve; and

Whereas, KUB will receive Pandemic Relief Credits from TVA on its monthly wholesale power invoice for the period October 2020 to September 2021, which are estimated to total around \$7.3 million for standard service wholesale costs; and

Whereas, KUB intends to use the \$7.3 million to provide utility bill assistance to KUB customers, particularly those with past due balances accrued during the pandemic; and

Whereas, TVA has previously provided significant support for KUB’s low-income customers, as evidenced through programs such as the Knoxville Extreme Energy Makeover and Home Uplift for weatherization assistance; and

Whereas, TVA has a long legacy of partnership with KUB to provide safe, reliable, and affordable service and is demonstrating great leadership through all these efforts to support economic recovery and assistance for customers most in need.

NOW, THEREFORE, BE IT HEREBY RESOLVED BY THE BOARD OF COMMISSIONERS OF THE KNOXVILLE UTILITIES BOARD:

Section 1. That this Board hereby gratefully acknowledges and expresses its deepest appreciation to TVA for its dedicated service and COVID-19 pandemic relief efforts for the Tennessee Valley and for KUB customers.

Section 2. That this Resolution shall take effect from and after its passage and that a copy shall be provided to TVA.

Kathy Hamilton, Chair

Adrienne Simpson-Brown, Vice Chair

Jerry Askew, Commissioner

Celeste Herbert, Commissioner

Sara Pinnell, Commissioner

Tyvi Small, Commissioner

John Worden, Commissioner

APPROVED ON 1st
& FINAL READING: _____
EFFECTIVE DATE: _____
MINUTE BOOK _____ PAGE _____

RESOLUTION NO. 1425**A Resolution Appointing Members of The Community Advisory Panel**

Whereas, on July 28, 2020, the City of Knoxville's City Council passed Resolution R-208-2020, which endorsed KUB's intent to establish a Community Advisory Panel to gather input from KUB customers, with lower incomes and environmental protection interests, to inform specific areas of operations, help build strong community relationships and to address specific issues raised by members of the community with regard to accessibility and transparency of KUB decisions; and

Whereas, in response to City Council's Resolution, the KUB Board of Commissioners passed Resolution 1420 on August 20, 2020, establishing a Community Advisory Panel; and

Whereas, the KUB Board of Commissioners directed the President and CEO to take all steps necessary to establish a KUB Community Advisory Panel; and

Whereas, KUB sought input from City Administration and City Council to identify members representing a diversity of viewpoints, experience, and expertise to serve on the Community Advisory Panel upon; and

Whereas, the KUB Board of Commissioners has reviewed and approved Staff's recommended list of Panel members to serve on the KUB Community Advisory Panel.

Now, Therefore, Be it Hereby Resolved by the Board of Commissioners of the Knoxville Utilities Board:

Section 1. That the initial Panel members, attached to and incorporated herein by reference as part of this Resolution as Attachment A, are hereby appointed.

Section 2. That the administration of the Panel as outlined in the Structure and Ground Rules, attached to and incorporated herein by reference as part of this Resolution as Attachment B, is hereby adopted.

Section 3. That the President and CEO, in consultation with the Board Chair, is authorized to appoint future vacancies of the Panel and make any necessary changes to the Structure and Ground Rules.

Section 4. That this Resolution shall take effect from and after its passage and that a copy shall be provided to members of City Council, the City Mayor, and the City of Knoxville Recorder.

Kathy Hamilton, Chair

Mark Walker, Board Secretary

APPROVED ON 1st
& FINAL READING: _____
EFFECTIVE DATE: _____
MINUTE BOOK ___ PAGE _____



- **Christina Bouler**, AIA, CDT is a licensed architect and partner at Aplos, an architecture and development firm in Knoxville. After graduating from the University of Tennessee with a Bachelor of Architecture and prior to joining the Aplos team, she worked with University of Tennessee professors Tricia Stuth and Ted Shelton at Curb Studio while pursuing independent housing research and local development projects. Christina is passionate about equitable urban growth through contextually sensitive design and development. She serves on various housing advocacy committees, the City of Knoxville Board of Zoning Appeals, and is the founding board member for Welcome House Knoxville, a local nonprofit which offers transitional housing for refugees. (City of Knoxville, Central)
- **Mark Campen** is a native Knoxville, who lives with his wife, Emily, son, Parson, and daughter, Phoebe, in the Fountain City area. Mark is the Owner/Operator of Conservation Cooperative. Mark served two City Council terms representing the 5th District. He also served as Executive Director of the Tennessee Chapter of the Izaak Walton League whose mission is to conserve, restore, and promote the sustainable use and enjoyment of our natural resources. Mark was most recently named the 2020 Fountain City Man of the Year. Mark is a graduate of University of Tennessee with a Bachelor of Science degree in Wildlife and Fisheries Science and a minor in Forestry. He is an avid outdoorsman who enjoys camping, fishing, hiking, birdwatching and gardening. (City of Knoxville, North)
- **Tiki Dixon** holds a Bachelor of Science in Biology from the University of Arkansas at Pine Bluff. Mr. Dixon has more than 36 years of experience, including his 22 years of service in the U.S. Army where his duties included serving as an Inspector General (IG) (responsible for organizational inspections, investigations, and audits), maintaining the chemical accident response program for the U.S. Army located in North America, and training personnel how to defend and deploy nuclear, biological, and chemical weapons. Since retiring as a Lieutenant Colonel, he has managed engineering and environmental remediation services projects, particularly for the U.S. Department of Defense (DoD) and U.S. Department of Energy (DOE). As a Vice President within a Fortune 500 engineering company, he managed the operational implementation of programs up to \$50M and 150 personnel. Currently, Mr. Dixon is retired from commercial work and is enjoying life as a pastor of Oak Grove AME Zion Church. (Knox County, Southwest)

- **Coral Getino** is originally from Spain, although she has called Knoxville home for 30 years. A chemist by trade, she worked at ORNL last century. From 2000 to 2003 she was a Lecturer at the University of Tennessee, and in 2005 she became a business owner. She is the president of Spanish Language Solutions, Inc., a small firm that provides foreign language services in the legal, medical, business, and educational fields. Coral has also been a long-time member of the Immigrant/Hispanic and Disability/Autism communities and remains very interested in diversity and inclusion efforts in Business and Education. (Knox County, Southwest)
- **Erin Gill** serves as Chief Policy Officer and Deputy to City of Knoxville Mayor Indya Kincannon, a role in which she oversees numerous strategic initiatives to ensure Knoxville is a vibrant and sustainable city where all people have the opportunity to thrive. She previously served as the City's Director of Sustainability and oversaw efforts to improve the environmental, economic, and social health of the Knoxville community through municipal leadership and community partnerships. Erin holds a Master of Environmental Management degree from the Yale School of Forestry & Environmental Studies and a B.A. in History from the University of Notre Dame. (City of Knoxville, East)
- **Tim Hill** is the Co-Founder/ President of Hatcher-Hill Properties, a leading real estate development, brokerage, and asset management firm founded in 2004 and based in Knoxville. Hatcher-Hill develops commercial and mixed-use properties in Knoxville and surrounding areas. Its primary focus is historic preservation, revitalization of commercial buildings, and business recruitment. Additionally, Tim has 16 years of prior experience as an executive and partner in a variety of transportation and logistics companies. Tim currently serves on the board for Knoxville/ Knox County Planning Commission, Knox Heritage and CareCuts of Knoxville and is member of the Bearden Village Council. (City of Knoxville, West)
- **Barbara Kelly** has served as Executive Director of the Knoxville Knox County Committee Action Committee (CAC) since 1999, bringing extensive knowledge and experience gained through more than 40 years of social, neighborhood and community work. She joined CAC as Director of Neighborhood Services to establish, organize, and lead the CAC Neighborhood Service Centers to link the low-income community to services, training and opportunities for involvement at the local level. Under her leadership, CAC has strengthened its capacity to serve the complex needs of low -income individuals and families. CAC provides services for children, youth, families, and the elderly. Barbara believes that getting it right and ensuring opportunity for each individual to achieve their full capacity leads to thriving families and a healthy community for all. Barbara is a graduate of the City University of New York majoring in Sociology and Social Work. She has completed numerous management and professional development courses through the community action network and other professional organizations. (City of Knoxville, West)

- **Terry Ledford** serves as the Director of Energy Management for Facilities Services at the University of Tennessee where he is responsible for reducing the overall cost of utilities while improving performance of campus systems and maintaining or improving indoor air quality. Terry is also involved in design, maintenance, and operation of HVAC, steam generation and distribution, electric generation and distribution, compressed air, nitrogen, water treatment, and water distribution systems at UT. Terry holds a Bachelor of Science in Mechanical Engineering and is a licensed Engineer. (Knox County, Southwest)
- **Gwen McKenzie** serves as the Executive Director for Legacy Housing Foundation, an organization focused on providing innovative programs, life enhancing services and strong affordable housing communities for those in need. In 2017, Gwen became the first African American woman to serve on City Council in the history of Knoxville. Gwen represents the 6th District and also serves as Vice Mayor. Gwen's passion for helping others expands over 25 years with many organizations. Gwen co-founded the Faith Leaders initiative, which is a weekly call with 70+ ministers and faith leaders to ensure they have accurate information on COVID-19, resources to assist those in need, access to testing in underserved communities and health education. Gwen currently serves as a Director on the following Boards: Knoxville Area Urban League, Community Action Committee (CAC), Legacy Housing Foundation, Zoo Knoxville, and Girl Talk. She is a Leadership Knoxville Class of 2020 alumni and member of Knoxville NAACP and Town Hall East Community Association. (City of Knoxville, East)
- **Amy Midis** grew up in Houston, Texas and moved to Knoxville in 1997. Amy's service to her community includes serving as President of Forest Heights Neighborhood and as a member of Bearden Village Council, City of Knoxville's Public Property Naming Committee, Stakeholder's Advisory Committee for Recode Knoxville and the Neighborhood Advisory Council. Amy holds a bachelor's degree in biomedical science from Texas A&M and a master's in business administration (MBA) from the University of Tennessee. Amy is a Financial Analyst at Covenant Health and an outdoor enthusiast who competed in 5 Ironman Triathlons including qualifying and completing the Ironman World Championship in Kona, Hawaii (2008). (City of Knoxville, West)
- **Kent Minault** spent many years in the acting field, which included performing in top theaters in San Francisco and Los Angeles. In 2010, he volunteered with the Sierra Club's Beyond Coal campaign. After victory getting LA off coal, he joined the LA County Electric Bus Coalition and within a year, got LA Metro to transition to electric buses by 2030. He organized three electric vehicle events in Watts and helped found the Watts Clean Air Committee, installing rooftop solar and helping residents enter union apprenticeship programs. After moving to Knoxville, Kent organized an electric vehicle event in East Knoxville in collaboration with SEED, a prominent environmental justice organization. He's on the Harvey Broome Group's Executive Committee and has served for nearly a year as the Group's Political Chair. He's developed a strategy for endorsing local candidates and is working with the State

Political Team on 2020 endorsements. He works regularly with the state Beyond Coal Team and the Chapter Energy Team as well as with the Bull Run Neighbors. (City of Knoxville, Central)

- **David Myers** is the County Attorney and the Delinquent Tax Attorney for Union County. David was born and raised in Maynardville. David is a strong believer in community development and is a small business advocate. David graduated from Wake Forest Law School. (Union County)
- **Mike Odom** is the president and CEO of the Knoxville Chamber; a position that he has held since 2019. The chamber is focused on transforming itself into an economic prosperity organization in support of its mission of driving regional economic prosperity. In order to accomplish this goal, it has developed a new five-year strategic vision called Path to Prosperity that is committed to developing an economic ecosystem based on six work areas: business retention and expansion, business attraction, business climate, entrepreneurship/small business, infrastructure, and talent. (Knox County, Southwest)
- **Haseeb Qureshi** serves as a full-time Attorney and Entrepreneur-in-Residence (EIR) for Morehous Legal Group, PLLC. Haseeb has received statewide recognition as a “Legal Pioneer” for his perspectives on the law industry and his work with startups and entrepreneurs at all stages. In 2019, Haseeb joined the Department of Management at the Haslam Business College at the University of Tennessee as an Adjunct Lecturer, focusing on courses within the entrepreneurship curriculum. Haseeb holds a B.S. in Business Administration with a double major in Psychology from Carnegie Mellon and a J.D. from University of Tennessee College of Law. (Knox County, North)
- **Dr. Vivian Underwood Shipe** is a native of Knoxville Tennessee. Retiring in 2018 after 35 years of service with the Post Office, she returned to federal service in 2019 and has served for the last two years as both a recruiter and supervisor for the 2020 Census. She is also a reporter for the Tennessee Tribune, a state-wide paper based in Nashville. Vivian believes in being part of the change you want to see and currently serves on the following committees and boards: The Knoxville Suffragist Coalition, A charter member of the East Knoxville Lions Club, The Knoxville Elder Abuse Task Force, board member of the Behavior Mental Health Awareness Coalition of East Tennessee, member of the state Pre Arrest Diversion Committee, board member, Knox Renaissance, Co-lead, Family/Community Sector, ALL4Knox, and a member of the Faith Leaders Initiative. She is founder and Executive Director of I AM The Voice of the Voiceless. She is a recipient of the John Duncan Community Advocacy Award and a member of the Leadership Knoxville Class of 2021. (City of Knoxville, West)

- **Dr. Stephen A. Smith** has 30 years of experience affecting change for the environment. Since 1993, Dr. Smith has led the Southern Alliance for Clean Energy (SACE) as its Executive Director. Under Dr. Smith's leadership, SACE has grown to be a premier voice for clean energy issues in the region. Dr. Smith currently serves on the State of Tennessee Energy Policy Council and on the Knoxville Mayor's Climate Council. He also serves on the board of Floridians for Solar Choice. Dr. Smith holds a doctorate in veterinary medicine from the University of Tennessee and a Bachelor of Science in biology from Kentucky Wesleyan College. In 2009, he and his family commissioned a 7.1-kilowatt rooftop solar photovoltaic (PV) system on their Knoxville home. (City of Knoxville, Northwest)



Structure and Ground Rules

I. Purpose

The purpose of the Community Advisory Panel is to enhance the ability of KUB to hear concerns about major policy areas from members of the community. These areas include, but are not limited to, rate structure and the impact on low income customers, the implementation of broadband service, the use of alternative energy sources, customer programs and services, and regulatory issues impacting customers. These policy areas often overlap. In addition to ensuring that KUB is aware of key community and stakeholder concerns, the panel will assist in communicating information back to the groups they represent, ensuring that the larger community will grow in its understanding of the issues faced by KUB and other utilities.

II. Representation

The Community Advisory Panel is made up of 15 – 17 individuals that is representative of the diversity of KUB's customers, and key stakeholders in development and technology. The panel includes:

- *representatives of low-income communities*
- *representatives of environmental advocates*
- *representatives of neighborhoods served by KUB*
- *City of Knoxville representatives*
- *representatives of the business community.*

The charter members of the panel shall serve an initial term of three years each. Thereafter, terms will be staggered so that 1/3 of the members will have terms expiring each year. Should a member fail to complete a term, KUB will identify a replacement member to represent the constituency of the departing member.

Members will not be compensated for their service, but incidental expenses (parking, etc.) will be reimbursed by KUB.

III. Public Meetings

Meetings of the Community Advisory Panel are open to the public and are sunshined. The Panel will operate under the provisions of the Tennessee Open Meetings Law. Each meeting will have an opportunity for a public forum.

IV. Primary Responsibilities of Members

- Commit to attending all of the regularly scheduled meetings of the Community Advisory Panel and all working group (sub-committee) meetings relevant to the concerns of their constituents;
- Arrive at each meeting fully prepared to discuss the issues on the agenda. Preparation will include reviewing meeting summaries and other technical information distributed by KUB and its consultants in advance of each meeting, and a willingness to consider many perspectives on the goals, constraints and policy options under consideration.
- Keep members of their groups, and the community at large informed about the Panel's deliberations and to actively seek their input. They should also seek feedback on particular issues or questions under discussion by the Panel.
- Strive throughout the process to bridge gaps in understanding, to seek creative resolution of differences, and to commit to the goal of achieving a common understanding of key issues facing KUB.

V. Communication and Decision Making

The purpose of the Community Advisory Panel is to share information, discuss concerns and viewpoints, and work towards a better understanding of positions on key issues. There will be no votes taken during the Panel's deliberations. Rather the discussions will be geared to ensure that all concerns are discussed among the board members and communicated to KUB staff and to the board and that major KUB policies in the areas of focus are explained to Panel members.

In order to facilitate an open and collaborative discussion, Panel members will be asked to follow the following rules for communication:

- Only one person will speak at a time and no one will interrupt when another person is speaking;
- Each person will express his or her own views rather than speaking for others at the table;
- No one will make personal attacks or issue statements blaming others for specific actions or outcomes;

- Each person will strive to maintain a sense of humor, listen well, and be open-minded.

VI. Role of Facilitator

Facilitation will be provided by William Lyons, who will be compensated by KUB. The facilitator will:

- work closely with KUB staff and Panel members to formulate the agenda for all meetings and facilitate these proceedings;
- identify and synthesize points of agreement and disagreement and communicate these to the Panel in the form of written meeting summaries;
- assist in building common understanding among Panel members with regard to its findings;
- facilitate compliance with all the above listed ground rules;
- advocate for a fair process, and remain utterly nonpartisan with respect to the outcome of the Panel's deliberations;
- summarize and communicate the results of the Panel meetings to KUB leadership and their technical consultants. Board members and KUB staff will attend Panel meetings.
- work closely with KUB staff to provide administrative support of the panel's work, including the development of meeting plans and follow up activities (preparation of minutes, regular mailings to members, drafting of reports and other materials, review and editing of documents for the Panel, arranging for speakers or presentations at Panel meetings, etc.).

VII. Media

Meetings of the Community Advisory Panel will be fully noticed and open to the media. KUB Communications staff will serve as the primary media contact (594-7988).

VIII. Meeting Summaries

Meeting summaries will be prepared following each meeting and made available online. Attendance will be kept at each meeting, and a roster of those in attendance will be included with each meeting summary.

**Knoxville Utilities Board
Board Meeting
Minutes
Thursday, September 17, 2020 Noon**

Call to Order

The Knoxville Utilities Board met in regular session in the Mintha Roach Corporate Services Building at 4505 Middlebrook Pike, on Thursday, September 17, 2020, pursuant to the public notice published in the January 4, 2020, edition of the *News Sentinel*. Chair Kathy Hamilton called the meeting to order at 12:00 p.m.

Roll Call

Commissioners Present: Jerry Askew, Kathy Hamilton, Celeste Herbert, Sara Pinnell, Adrienne Simpson-Brown, Tyvi Small, and John Worden.

Commissioner Absent: None

Approval of Minutes

The Minutes of the August 20, 2020 Board Meeting were approved as distributed upon a motion by Commissioner Small and seconded by Commissioner Pinnell.

Old Business

None

New Business

Resolution 1423, A Resolution Amending the Existing Purchased Power Adjustment of the Electric Division, as Previously Established by Resolution No. 1065, as Heretofore Amended, to Address Changes to Wholesale Power Supply Costs Provided by the Tennessee Valley Authority's Pandemic Relief Credit

President Gabriel Bolas reminded Commissioners that TVA recently announced the distribution of \$200 million in Pandemic Relief Credits to local power companies and direct-served customers in the TVA region. He expressed his gratitude to TVA for taking this step to help customers impacted by the Pandemic. Resolution 1423 amends the Electric Division's Purchased Power Adjustment to address changes in KUB's wholesale power costs from the Pandemic Relief Credit. He recognized Mark Walker, Senior Vice President and Chief Financial Officer to provide the details.

September 17, 2020

President Bolas recommended adoption of Resolution 1423 on first reading. His written recommendation is included in Attachment 1.

Upon a motion by Commissioner Herbert and a second by Commissioner Pinnell, Resolution 1423 was adopted by a roll call vote on first reading. The following Commissioners voted “aye”: Askew, Hamilton, Herbert, Pinnell, Simpson-Brown, Small, and Worden. No Commissioner voted “nay”.

President’s Report

Customer Experience Update

President Bolas recognized Tiffany Martin, Director of Customer Experience, to provide an update on KUB’s pandemic response as it relates to a return to normal billing operations and assisting KUB customers. Ms. Martin also provided a brief update on a recent project to redesign customer bills.

Mark B. Whitaker Water Treatment Plant Emergency Generators Project

President Bolas advised Commissioners as part of KUB’s Water Supply Master Plan to increase process resiliency and electric reliability at the Mark B. Whitaker water treatment facility, construction began on installation of three emergency generators in February 2018. He recognized Nathan Babelay, Engineer and Team Leader in Water Systems Engineering, to provide an overview of the project.

Broadband Update

President Bolas advised Commissioners KUB recently completed a Purchase Intent Survey to gauge customers’ interest in purchasing broadband related services from KUB. He recognized Jamie Davis, Director of Grid Modernization, to share the highlights of the survey.

Other Business

Commissioner Herbert announced that the Nominating Committee received 23 applications for the Commissioner term beginning in January. The next step is for the committee to conduct interviews and those are tentatively scheduled for September 23rd and October 9th. Pursuant to the City Charter, at least five candidates will be submitted to the Mayor, and those candidates will be nominated at next month’s meeting.

Public Comment

Ray Hyde – Address Not Provided

September 17, 2020

Adjournment

There being nothing further to come before the Board, Chair Hamilton declared the Board meeting adjourned at 1:38 p.m.

Kathy Hamilton, Chair

Mark Walker, Board Secretary

Attachments

Attachment 1	Recommendation Letter and Resolution 1423 – A Resolution Amending the Existing Purchased Power Adjustment of the Electric Division, as Previously Established by Resolution No. 1065, as Heretofore Amended, to Address Changes to Wholesale Power Supply Costs Provided by the Tennessee Valley Authority’s Pandemic Relief Credit	<u>Page(s)</u> 10257 – 10274
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September 11, 2020

Knoxville Utilities Board
445 S. Gay Street
Knoxville, Tennessee 37902-1109

Commissioners:

The September 17 Board meeting agenda includes a single official action item, an amendment to the Electric Division Purchased Power Adjustment (PPA) reflecting the Tennessee Valley Authority's recently announced Pandemic Relief Credit.

The TVA Board recently approved \$200 million in Pandemic Relief Credits to be provided to local power companies (like KUB) in the TVA service region and TVA's direct-served customers. The Pandemic Relief Credits will be provided over a period of 12 months beginning with KUB's October 2020 wholesale power invoice.

The Pandemic Relief Credits for local power companies (KUB) include two components: a 2.5% credit for standard service power costs and a 2.5% credit for non-standard service power costs. Non-standard service costs represent power purchased from TVA for our largest commercial and industrial electric customers. The credits associated with non-standard service must be applied directly to the monthly bills of the affected customers. However, for the standard service credits, KUB has some flexibility in how they are used.

KUB's standard service credits are estimated to be about \$7.3 million for the 12-month period. It is our intention to use the standard service credits to provide financial assistance to KUB customers with past due balances accrued during the Pandemic crisis. We anticipate using a third-party to administer the assistance to customers on KUB's behalf. To use the credits in the proposed manner, the PPA must be amended.

Resolution 1423 amends the PPA to reflect TVA's Pandemic Relief Credit. Amending the PPA requires two readings. If approved on first reading at the September meeting, second and final reading will be at the Board's October meeting. I recommend the approval of Resolution 1423 on the first of two readings.

Respectfully submitted,

A handwritten signature in black ink that reads 'Gabriel J. Bolas II'.

Gabriel J. Bolas II
President and CEO

RESOLUTION NO. 1423

A Resolution Amending the Existing Purchased Power Adjustment of the Electric Division, as Previously Established by Resolution No. 1065, as Heretofore Amended, to Address Changes to Wholesale Power Supply Costs Provided by the Tennessee Valley Authority's Pandemic Relief Credit

Whereas, Knoxville Utilities Board of Commissioners (the "Board") has rate setting authority pursuant to Article XI of the Charter of the City of Knoxville; and

Whereas, the Board previously adopted Resolution No. 1065, as heretofore amended, providing for a Purchased Power Adjustment ("PPA") for the Electric Division; and

Whereas, Knoxville Utilities Board ("KUB") purchases its full electric power requirements from the Tennessee Valley Authority ("TVA"); and

Whereas, the communities in KUB's service territory have been impacted by the worldwide COVID-19 pandemic; and

Whereas, TVA has announced a Pandemic Relief Credit to be provided to local power companies to invest in their communities and support those they serve; and

Whereas, TVA will provide Pandemic Relief Credits in two categories, one based on Standard Service volumes, and the other based on the volumes of each Non-Standard Service customer: and

Whereas, KUB will receive Pandemic Relief Credits from TVA on the monthly wholesale power invoice for the period October 2020 to September 2021; and

Whereas, KUB staff has recommended updating the existing Purchased Power Adjustment to account for changes in wholesale power cost associated with TVA's Pandemic Relief Credit; and

Whereas, it is KUB staff's recommendation to use the Standard Service Pandemic Relief Credits to provide utility bill assistance to KUB customers, particularly those with past due balances accrued during the Pandemic crisis; and

Whereas, the Board has determined, upon recommendation from KUB staff, that it is in the best interest of KUB, its customers, and the community to amend the PPA in response to TVA's provision of Pandemic Relief Credits to be provided on the wholesale power supply invoice to KUB; and

**RESOLUTION 1423
EXHIBIT A
PURCHASED POWER ADJUSTMENT
EFFECTIVE OCTOBER 1, 2020**

PURCHASED POWER ADJUSTMENT

I. Provision for Adjustment

The electricity rates per kWh, per kW or per customer account billed as set forth in the Rate Schedules of the Electric Division (Division) shall be increased or decreased by amounts hereinafter described, which amounts are called the "Purchased Power Adjustment" or the PPA.

II. Intent and Application to Various Purchases

(a) This Purchased Power Adjustment is intended to assure that KUB recovers on an equitable basis the total cost of electricity purchased for delivery to its electricity sales customers. The PPA is further intended to assure that no excess or deficiency in cost recovery from KUB's electric customers occurs.

(b) The PPA anticipates various costs of purchased power for the general distribution system including, but not limited to:

1. the cost of energy purchased
2. the cost of power demanded
3. the amount of hydro preference adjustment

III. Definitions

The following definitions shall apply to the terms as used in this Section. Any term used in this Section that is not otherwise defined in this Section shall have the meaning customarily ascribed to that term in the electric industry.

(a) Adjustment period – the twelve-month period beginning with the Effective Date of the Purchased Power Adjustment

(b) Base Rates of Purchased Power are:

1. Standard Service Base Rates – as set forth in Appendix A to this resolution
 - i. Demand kW Base Rate – the components designed to recover the cost of demand through Demand kW Sales

- ii. Demand kWh Base Rate – the components designed to recover the cost of demand through Demand kWh Sales
 - iii. Energy kWh Base Rate – the components designed to recover the cost of energy purchased through Energy kWh Sales
 - iv. Residential Customer Hydro Credit – the component designed to allocate the customer based hydro credit to each eligible residential customer account billed
 - v. Hydro Energy Credit – the components designed to allocate the wholesale hydro energy credit to applicable Energy Sales
 - vi. Hydro Energy Debit – the components designed to allocate the wholesale hydro energy debit to applicable Energy Sales
2. Manufacturing and General Power Service Cost Components – the wholesale base rates as set forth in the current wholesale rate schedules from Supplier plus an historical average for distribution losses
- (c) Base Retail Electric Rates – the retail rates per kWh or kW of electricity use or power demanded, or per customer account billed, exclusive of PPA components
- (d) Billing Determinants – average Standard Service units billed to KUB by its Supplier during the Computation Period, adjusted for known and measurable changes
- 1. Demand Billing Determinants – average Standard Service kW
 - 2. Energy Billing Determinants – average Standard Service kWh
 - 3. Residential Customer Hydro Credit – the sum of eligible residential customer accounts billed during KUB’s most recently completed fiscal year
 - 4. Hydro Energy Credit – average kWh used to calculate the hydro adjustment *credited* to KUB
 - 5. Hydro Energy Debit – average kWh used to calculate the Hydro adjustment *debited* to KUB
- (e) Change in Purchased Power Cost = Projected Purchased Power Cost less Power Cost Recovery (As follows):

1. Change in Demand Cost = Projected Demand Cost less Demand Cost Recovery
 - i. Change in Demand Cost kW = Change in Demand Cost x (Demand kW Power Cost Recovery/Demand Cost Recovery)
 - ii. Change in Demand Cost kWh = Change in Demand Cost x (Demand kWh Power Cost Recovery/Demand Cost Recovery)
 2. Change in Energy Cost = Projected Energy Cost less Energy Cost Recovery
 3. Change in Residential Customer Hydro Credit Cost = Projected Residential Customer Hydro Credit Cost less Residential Customer Hydro Credit Cost Recovery
 4. Change in Hydro Energy Credit Cost = Projected Hydro Energy Credit Cost less Hydro Energy Credit Cost Recovery
 5. Change in Hydro Energy Debit Cost = Projected Hydro Energy Debit Cost less Hydro Energy Debit Cost Recovery
- (f) Computation Period – the thirty-six (36) month period utilized to compute historical volumes purchased from Supplier and billed to customers. Such period shall be the thirty-six (36) month period ending on the last day of the fiscal year which is not more than ninety-three (93) days prior to the proposed Effective Date, as hereinafter defined, which month shall be determined by KUB based upon the availability of the needed information
- (g) Computation Period Sales – historic volumes billed to customers adjusted for known and measurable changes
1. Demand kW Sales – the sum of the average power demanded (kW) metered to Standard Service customers
 2. Demand kWh Sales – the sum of the average volumes of electricity having a demand component (kWh) metered to Standard Service customers
 3. Energy kWh Sales – the sum of the average volumes of electricity (kWh) metered to Standard Service customers
 4. Residential Customer Hydro Credit Sales – the sum of eligible residential customer accounts billed in the most recent KUB fiscal year

5. Hydro Energy Credit Sales – the sum of the average volumes to which the wholesale hydro energy credit applies, expressed in kWh, metered to eligible residential customers
 6. Hydro Energy Debit Sales – the sum of the average volumes to which the wholesale hydro energy debit applies, expressed in kWh, metered to Standard Service customers
- (h) Green Invest Cost – the incremental invoiced cost, including Product price and Third-Party Costs, if any, from TVA associated with purchase of renewable energy from TVA under the Green Invest Agreement, or any similar program offerings by TVA in pursuit of renewable energy for KUB customers, as may be amended from time to time, as approved in Resolution 1410, as may be amended from time to time
- (i) Long-term Partnership Credits – all wholesale invoice credits provided by TVA in recognition of signing the TVA Long-Term Agreement, as may be amended from time to time, as approved in Resolution 1410, as may be amended from time to time
- (j) Manufacturing and General Power Service – power and energy sold and billed to KUB under any classification other than Standard Service
- (k) Power Cost Recovery – the Projected Purchased Power Cost recovery during the Adjustment Period using the Base Rates. The Power Cost Recovery shall be calculated as follows:
1. Demand Cost Recovery – the sum of the Demand kW Power Cost Recovery and the Demand kWh Power Cost Recovery as described below:
 - i. Demand kW Power Cost Recovery = Demand kW Base Rates (\$) x Demand kW Sales (kW)
 - ii. Demand kWh Power Cost Recovery = Demand kWh Base Rates (\$) x Demand kWh Sales (kWh)
 2. Energy Cost Recovery = Energy kWh Base Rates (\$) x the sum of Energy kWh Sales (kWh)
 3. Residential Customer Hydro Credit Cost Recovery = Residential Customer Hydro Credit (\$) x Residential Customer Hydro Credit Sales (#)

4. Hydro Energy Credit Cost Recovery = Hydro Energy Credit (\$) x Hydro Energy Credit Sales (kWh)
 5. Hydro Energy Debit Cost Recovery = Hydro Energy Debit (\$) x Hydro Energy Debit Sales (kWh)
- (l) Projected Purchased Power Cost – the Purchased Power Costs projected to be incurred by the Division during the Adjustment Period. The Purchased Power Costs shall be based on the best information available to KUB and shall have categories as follows:
1. Projected Demand Cost = all projected Purchased Power Demand Costs including, but not limited to, Demand Billing Determinants x the appropriate Supplier Rates
 2. Projected Energy Cost = all projected Purchased Power Energy Costs including, but not limited to, Energy Billing Determinants x the appropriate Supplier Rates
 3. Projected Residential Customer Hydro Credit Cost = Residential Customer Hydro Credit Billing Determinants x the appropriate Supplier Rates
 4. Projected Hydro Energy Credit Cost = Hydro Energy Credit Billing Determinants x the appropriate Supplier Rates
 5. Projected Hydro Debit Cost = Hydro Energy Debit Billing Determinants x the appropriate Supplier Rates
- (m) Purchased Power Costs – the total cost, paid or to be paid to Supplier in connection with the purchase of electricity for the Division excluding the following: Long-term Partnership Credits, Standard Service Pandemic Relief Credits, and Green Invest Costs. Purchased Power Costs are segregated into categories as follows:
1. Purchased Power Demand Costs – all Purchased Power Costs related to and varying with power demanded (i.e. kW)
 2. Purchased Power Energy Costs – Purchased Power Costs, including both fuel and non-fuel components of electricity, and excluding calculation of Hydro Energy Debits and Hydro Energy Credits, related to and varying with energy consumption (i.e. kWh)
 3. Purchased Power Residential Customer Hydro Credit Costs – all Purchased Power costs calculated as a credit based on number of eligible residential accounts billed

4. Purchased Power Hydro Energy Credit Costs – all Standard Service Purchased Power costs calculated as a credit based on eligible Hydro Energy Credit volumes (i.e. kWh)
5. Purchased Power Hydro Energy Debit Costs – all Standard Service Purchased Power costs calculated as a debit based on eligible Hydro Energy Debit volumes (i.e. kWh)

Total Purchased Power Costs shall exclude Long-term Partnership Credits, Standard Service Pandemic Relief Credits, and Green Invest Costs.

All other costs not directly attributable to one of the categories described above shall default to Purchased Power Energy Costs.

All costs not attributable to Manufacturing and General Power Service shall default to Standard Service.

- (n) Standard Service – power and energy taken by KUB from Supplier for resale to customers and billed to KUB by Supplier at Standard Service wholesale rates
 - (o) Standard Service Pandemic Relief Credits – that portion of wholesale invoice credit provided by TVA, calculated based on Standard Service usage, and designed to provide base wholesale rate relief during the wholesale invoice period October 2020 through September 2021
 - (p) Supplier – any entity that sells electricity to the Division
 - (q) Supplier Rates – the Supplier’s rates which are known or if not known which are reasonably anticipated to be in effect on the first day of the Adjustment Period
- IV. Seasonal periods shall be determined as defined in the retail rate schedules of KUB’s Electric Division.
- V. Computation of the Purchased Power Adjustment Components
- All change in costs which can be directly attributed to specific customer classes shall be recovered from those customer classes; where change in costs cannot be directly attributed to specific customer classes those costs shall be divided over all Standard Service demand or energy sales as applicable.
- Where change in costs cannot otherwise be directly attributed, the change in costs shall be divided over applicable Energy kWh Sales.

The components of the Purchased Power Adjustment shall be computed and rounded to the nearest hundredth of a cent per kWh, with five thousandths of a cent to be increased to the next higher hundredth of a cent, for adjustments affecting kWh; and computed and rounded to the nearest cent per kW, with five tenths of a cent to be increased to the next higher cent, for adjustments affecting kW, as follows:

- (a) Demand kW Component = Change in Demand Cost kW/Demand kW Sales
- (b) Demand kWh Component = Change in Demand Cost kWh/Demand kWh Sales
- (c) Energy Component = Change in Energy Cost/Energy kWh Sales
- (d) Residential Customer Hydro Credit Component = Change in Residential Customer Hydro Credit Cost/Hydro Energy Credit Sales
- (e) Hydro Energy Credit Component = Change in Hydro Energy Credit Cost/Hydro Energy Credit Sales
- (f) Hydro Energy Debit Component = Change in Hydro Energy Debit Cost/Hydro Energy Debit Sales
- (g) Manufacturing and General Power Service Energy Component - Any energy rate per kilowatt hour (kWh) set forth in the current wholesale rate schedules for any rate schedule of the Electric Division duly adopted by the Board for Manufacturing and General Power Service subsequent to this resolution shall be increased or decreased, as applicable, by an amount equivalent to the increase or decrease for the wholesale energy rate for each respective rate schedule, plus an amount to provide for any change in distribution loss charges due to an increase or decrease in the respective wholesale energy rate
- (h) Manufacturing and General Power Service Demand Component - Any demand rate per kilowatt (kW) set forth in the current wholesale rate schedules for any rate schedule of the Electric Division duly adopted by the Board for Manufacturing and General Power Service subsequent to this resolution shall be increased or decreased, as applicable, by an amount equivalent to the increase or decrease in the wholesale demand rate for each respective rate schedule, plus an amount to provide for any change in distribution loss charges due to an increase or decrease in the respective demand rate

VI. Application and Effective Date of the Purchased Power Adjustment

(a) The Purchased Power Adjustment shall consist of the following:

1. Standard Service Demand kW Purchased Power Adjustment – the Demand kW Component
2. Standard Service Demand kWh Purchased Power Adjustment – the Demand kWh Component
3. Standard Service Energy Purchased Power Adjustment – the Energy Component
4. Residential Hydro Credit Purchased Power Adjustment – the Residential Customer Hydro Credit Component and the Hydro Energy Credit Component
5. Hydro Energy Debit Purchased Power Adjustment – the Hydro Energy Debit Component
6. Manufacturing and General Power Service Purchased Power Adjustment – the sum of the Manufacturing and General Power Service Demand Component and the Manufacturing and General Power Service Energy Component

(b) Each Purchased Power Adjustment shall apply to billing periods beginning on or after the Effective Date of such adjustment.

1. The Standard Service Demand kW Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedule GSA, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.
2. The Standard Service Demand kWh Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedules RS, GSA, LS, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.
3. The Standard Service Energy Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedules RS, GSA, LS, and for any other rate schedule designated for Standard Service of the Electric Division, duly adopted by the Board subsequent to this resolution.

4. The Residential Hydro Credit Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for Rate Schedule RS.
 5. The Hydro Energy Debit Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for any rate schedule, other than Rate Schedule RS, designated for Standard Service of the Electric Division.
 6. The Manufacturing and General Power Service Purchased Power Adjustment shall be added to or deducted from, as appropriate, the Base Retail Electric Rates for rate schedules other than those designated for power and energy sold under Standard Service.
- (c) The Purchased Power Adjustment shall be computed as of and shall take effect on the first day of each calendar month (the "Effective Date").
- (d) Each computation of the Purchased Power Adjustment shall be promptly filed with the Chief Financial Officer and shall be accompanied with appropriate documentation supporting the calculation of the Purchased Power Adjustment.

VII. Purchased Power Accounting

- (a) To appropriately match revenues with the cost of purchased power as contemplated under this PPA, KUB shall originally record Purchased Power Costs as debit entries in the "Unrecovered Purchased Power" account. Monthly KUB shall debit the appropriate subaccount(s) of "Other Power Supply Expenses" with an amount equal to the product obtained by multiplying the appropriate power cost components (the sum of the Base Rates of Purchased Power and the current applicable Purchased Power Adjustment) by the appropriate sales billed to customers. The corresponding monthly credit entry shall be made to the "Unrecovered Purchased Power Cost" account.
- (b) The "Unrecovered Purchased Power Cost" account shall be subclassified into appropriate subaccounts, but at a minimum separate subaccounts shall be maintained for demand, energy, residential customer hydro credit, hydro energy credit, and hydro energy debit categories of the Purchased Power Costs.
- (c) If it cannot be determined which subaccount should be debited, the energy subaccount will be debited.

VIII. Adjustment for Over or Under Recovery of Standard Service Purchased Power Cost

- (a) To permit amortization of the accumulated balance in the “Unrecovered Purchased Power Cost” account, KUB shall include on August 1 of each year the June 30 balance of the “Unrecovered Purchased Power Cost” account for such year in the calculation of the Standard Service Purchased Power Adjustment. This balance shall be included in each monthly calculation of the Standard Service Purchased Power Adjustment commencing on August 1 and thereafter until the following August 1 at which time it shall be superseded by the then current June 30 balance.
- (b) The “Unrecovered Purchased Power Cost” balance shall be segregated into demand, energy, hydro energy credit, and hydro energy debit categories, and shall be added to or deducted from, as appropriate, the applicable Demand Costs, Energy Costs, Hydro Energy Credits, and Hydro Energy Debits included in the Standard Service Purchased Power Adjustment.

IX. Annual Reporting

Annually KUB shall retain an independent consultant to audit the transactions in the “Unrecovered Purchased Power Cost” account and the related Standard Service Purchased Power Adjustment calculations to verify that the procedures and intent of this Standard Service Purchased Power Adjustment are being followed. The independent consultant shall report his or her findings to The Board’s Audit and Finance Committee.

**RESOLUTION
APPENDIX A**

**BASE RATES OF PURCHASED POWER
STANDARD SERVICE**

	Summer	Winter	Transition
Residential Credit Eligible kWh			
demand kWh base	0.01975	0.01935	0.01935
energy kWh base	0.05462	0.05462	0.05462
hydro energy credit	-0.00297	-0.00297	-0.00297
Residential Customer Hydro Credit	As Stated in Current Effective Wholesale Contract		
Residential Debit Eligible kWh			
demand kWh base	0.01975	0.01935	0.01935
energy kWh base	0.04886	0.04886	0.04886
hydro energy debit	0.00279	0.00279	0.00279
GSA1 kWh			
demand kWh base	0.02383	0.02342	0.02342
energy kWh base	0.05533	0.05533	0.05533
hydro energy debit	0.00279	0.00279	0.00279
GSA2			
1st 15,000 kWh			
demand kWh base	0.01990	0.01949	0.01949
energy kWh base	0.05926	0.05926	0.05926
hydro energy debit	0.00279	0.00279	0.00279
additional kWh			
demand kWh base	0	0	0
energy kWh base	0.05033	0.05033	0.05033
hydro energy debit	0.00279	0.00279	0.00279
>50kW			
demand kW base	9.04	8.25	8.25
energy kWh base	0	0	0
GSA3			
kWh			
demand kWh base	0	0	0
energy kWh base	0.05033	0.05033	0.05033
hydro energy debit	0.00279	0.00279	0.00279
0-1000 kW			
demand kW base	9.41	8.65	8.65
energy kWh base	0	0	0
>1000 kW			
demand kW base	11.57	10.81	10.81
energy kWh base	0	0	0
LS kWh			
demand kWh base	0.00375	0.00375	0.00375
energy kWh base	0.04013	0.04013	0.04013
hydro energy debit	0.00279	0.00279	0.00279

**RESOLUTION 1423
EXHIBIT B
APPENDIX A TO THE PURCHASED POWER ADJUSTMENT
EFFECTIVE NOVEMBER 1, 2020**

APPENDIX A

**BASE RATES OF PURCHASED POWER
STANDARD SERVICE**

Residential Credit Eligible kWh	Summer	Winter	Transition
demand kWh base	0.02437	0.02396	0.02396
energy kWh base	0.06070	0.06070	0.06070
hydro energy credit	-0.00297	-0.00297	-0.00297

Residential Customer Hydro Credit As Stated in Current Effective Wholesale Contract

Residential Credit Eligible kWh - TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy credit	-0.00297	-0.00297	-0.00297

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy credit	-0.00297	-0.00297	-0.00297

Residential Debit Eligible kWh

demand kWh base	0.02437	0.02396	0.02396
energy kWh base	0.05494	0.05494	0.05494
hydro energy debit	0.00323	0.00323	0.00323

Residential Debit Eligible kWh - TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323

GSA1

kWh

demand kWh base	0.02845	0.02804	0.02804
energy kWh base	0.06141	0.06141	0.06141
hydro energy debit	0.00323	0.00323	0.00323

GSA1 TOU

Onpeak kWh

demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323

Offpeak kWh

energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323

	Summer	Winter	Transition
GSA2			
1st 15,000 kWh			
demand kWh base	0.02452	0.02411	0.02411
energy kWh base	0.06534	0.06534	0.06534
hydro energy debit	0.00323	0.00323	0.00323
additional kWh			
demand kWh base	0	0	0
energy kWh base	0.05641	0.05641	0.05641
hydro energy debit	0.00323	0.00323	0.00323
>50kW			
demand kW base	11.10	10.31	10.31
energy kWh base	0.00	0.00	0.00
GSA2-A TOU			
Onpeak kWh			
demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323
Offpeak kWh			
energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323
GSA2-B TOU			
Onpeak kWh			
demand kWh base	0.11957	0.11957	0.11957
energy kWh base	0.07229	0.07229	0.07229
hydro energy debit	0.00323	0.00323	0.00323
Offpeak kWh			
energy kWh base	0.06010	0.06010	0.06010
hydro energy debit	0.00323	0.00323	0.00323
GSA3			
kWh			
demand kWh base	0	0	0
energy kWh base	0.05641	0.05641	0.05641
hydro energy debit	0.00323	0.00323	0.00323
0-1000 kW			
demand kW base	11.47	10.71	10.71
energy kWh base	0.00	0.00	0.00
>1000 kW			
demand kW base	13.63	12.87	12.87
energy kWh base	0.00	0.00	0.00
LS kWh			
demand kWh base	0.00837	0.00837	0.00837
energy kWh base	0.04621	0.04621	0.04621
hydro energy debit	0.00323	0.00323	0.00323