



Date: September 27, 2016
To: THE TRUSTEES
From: THE PRESIDENT and CHIEF EXECUTIVE OFFICER
Subject: Extension of Western New York Hydropower Allocations

SUMMARY

The Trustees are requested to:

1. Approve an extension, through June 30, 2020, of a 1,200 kilowatt ("kW") Expansion Power ("EP") allocation awarded to Buffalo Shredding and Recovery, LLC ("Buffalo Shredding") on June 28, 2011 and scheduled to expire on February 28, 2017 (the "1,200 kW Buffalo Shredding Allocation").
2. Approve an extension, through June 30, 2020, of a 120 kW Replacement Power ("RP") allocation awarded to Graphic Controls Acquisition Corp. ("Graphic Controls") on April 4, 2011 and scheduled to expire on October 31, 2016 (the "120 kW Graphic Controls Allocation").

The Trustees are also requested to authorize a public hearing pursuant to Public Authorities Law ("PAL") §1009 on proposed direct sale contracts for the 1,200 kW Buffalo Shredding Allocation and 120 kW Graphic Controls Allocation, the current forms of which are attached as Exhibit "A-1" and "A-2."

Exhibits "A-1" and "A-2" reflect a revised form of customer agreement for the sale of Western New York hydropower (RP and EP). This revised form of customer agreement includes 2 new charges to the customer – a Zero Emission Credit Charge and a Renewable Energy Credit Charge. These new charges would allow the Authority to recover the costs it would incur relating to its purchase of Zero Emission Credits and Renewable Energy Credits attributable to customer load associated with the allocations identified above, should the Authority decide to participate in the Clean Energy Standard ("CES") program established by the New York Public Service Commission ("PSC") to implement the clean energy goals of the State Energy Plan ("SEP").

BACKGROUND

Western New York hydropower consists of both RP and EP. Under PAL §1005(13), the Authority may allocate and sell directly or by sale for resale, 250 MW of EP and 445 MW of RP to businesses located within 30 miles of the Niagara Power Project, provided that the amount of EP allocated to businesses in Chautauqua County on January 1, 1987 shall continue to be allocated in such county.

DISCUSSION

1) Buffalo Shredding

Buffalo Shredding is a metals recycling company that owns and operates a shredding and non-ferrous metals recovery business in Buffalo, Erie County, New York.

The Authority and Buffalo Shredding are parties to a power sale contract that covers the 1,200 kW Buffalo Shredding Allocation which is scheduled to expire on February 28, 2017.

Buffalo Shredding has requested an extension of the 1,200 kW Buffalo Shredding Allocation. It has represented that the 1,200 kW Buffalo Shredding Allocation is critical to the success of its business at the Buffalo facility and an integral part of the cost effectiveness of its Buffalo operation. The company is currently in compliance with its contractual commitments for job creation and capital investments. Buffalo Shredding is willing to agree to extend its commitment to retain a minimum of 22 jobs at the Buffalo facility through June 30, 2020 in exchange for an extension of the 1,200 kW Buffalo Shredding Allocation through such date.

Staff recommends the Trustees approve an extension of the 1,200 kW Buffalo Shredding Allocation through June 30, 2020.

2) Graphic Controls

Graphic Controls owns and operates printing presses whose primary products are casino slot machine tickets and medical device charts. It operates a facility in Buffalo, NY.

The Authority and Graphic Controls are parties to a power sale contract that covers three hydropower allocations. One of the allocations, 130 kW of EP, is scheduled to expire on March 31, 2020 and corresponds to a commitment by Graphic Controls to maintain 290 jobs. A second allocation, 250 kW of RP, is scheduled to expire on June 30, 2020 and corresponds to a commitment by Graphic Controls to maintain 254 jobs.

A third allocation – the 120 kW Graphic Controls Allocation before the Trustees today – is scheduled to expire on October 31, 2016 and corresponds to a commitment to maintain 271 jobs. Graphic Controls has requested an extension of this third allocation. It has indicated all three hydropower allocations are critical to maintaining the competitiveness of its Buffalo operations. The company is currently in compliance with its contractual commitments for job creation and capital investments. Graphic Controls is willing to agree to increase the job commitment associated with an extension of this third allocation, and will commit to retain a minimum of 290 jobs at its Buffalo facility through June 30, 2020 in exchange for an extension of the 120 kW Graphic Controls Allocation through such date.

Staff recommends the Trustees approve an extension of the 120 kW Graphic Controls Allocation through June 30, 2020.

CONTRACT INFORMATION

The Authority is in the process of discussing the proposed hydropower sales contracts with Buffalo Shredding and Graphic Controls and anticipates receiving approval of contracts substantially similar to the forms attached as Exhibits “A-1” and “A-2”. Accordingly, the Trustees are requested to authorize a public hearing, pursuant to PAL §1009, on the EP/RP (CES) Customer Agreement forms for Buffalo Shredding and Graphic Controls attached as Exhibit “A-1” and “A-2”, respectively.

As required by PAL §1009, when the Authority believes it has reached agreement with its prospective co-party on a contract for the sale of EP or RP, it will transmit the proposed form of the contract to the Governor and other elected officials, and hold a public hearing on the contract. At least 30-days' notice of the hearing must be given by publication once in each week during such period in each of six selected newspapers. Following the public hearing, the form of the contract may be modified, if advisable. Staff will report to the Board of Trustees on the public hearing and the proposed contract at a later time and make additional recommendations regarding the proposed contract.

Upon approval of the final proposed contract by the Authority, the Authority must "report" the proposed contract, along with its recommendations and the public hearing records, to the Governor and other elected officials. Upon approval by the Governor, the Authority may execute the contract.

Subject to the qualification noted below, the general form of the proposed the form of proposed EP/RP (CES) Customer Agreement is consistent with recently-approved contracts for the sale of EP and RP. Some pertinent provisions of the proposed form of the contract include the provision for direct billing of all production charges (i.e., demand and energy) as well as all New York Independent System Operator, Inc. ("NYISO") charges, plus taxes or any other required assessments, as set forth in the Authority's Service Tariff No. WNY-1. The proposed form of contract would also include (i) commercially reasonable provisions relating to financial security to reflect a direct billing arrangement between the Authority and its EP/RP customers, and (ii) provisions authorizing data transfers and addressing other utility-driven requirements which are necessary for efficient program implementation. Such provisions have been used in other Authority contract forms, including the Authority's RNY Power Program contracts.

The provision of electric service for all hydropower allocations are subject to enforceable employment, capital investment and power usage commitments. The standard contract form includes annual job and capital investment reporting requirements and a compliance threshold of 90%. If the relevant compliance threshold is not met, the Authority has the right to reduce the allocation on a pro-rata basis as provided for in the contract.

The recommended allocations would be sold pursuant to the Authority's Service Tariff No. WNY-1, which applies to all allocations of EP and RP. Transmission and delivery service would be provided by the customer's local electric distribution utility.

Finally, the proposed EP/RP (CES) Customer Agreement differs from the previous form of WNY Customer Agreement in that it contains provisions for the collection of two new charges from EP and RP customers: (i) a Zero Emission Credit ("ZEC") Charge; and (ii) a Renewable Energy Credit ("REC") Charge. These charges are intended to allow the Authority to collect costs associated with ZEC and REC purchases attributable to customer load served by the Authority under the EP/RP (CES) Customer Agreement resulting from the Authority's participation in the CES Program. The REC Charge and ZEC Charge would be in addition to all other fees, assessments and charges provided for in the proposed form of agreement, applicable service tariffs and Authority rules and regulations. The REC Charge and ZEC Charge would be subject to assessment beginning January 1, 2017 and April 1, 2017, respectively.

RECOMMENDATION

The Manager – Business Power Allocations and Compliance recommends that the Trustees approve an extension of the (1) 1,200 kW Buffalo Shredding Allocation through June 30, 2020, and (2) the 120 kW Graphic Controls Allocation through June 30, 2020.

For the reasons stated, I recommend the approval of the above-requested action by adoption the resolution below.

Gil C. Quiniones
President and Chief Executive Officer

RESOLUTION

RESOLVED, That the Trustees hereby authorize an extension, through June 30, 2020, of the 1,200 kilowatt (“kW”) allocation of Expansion Power (“EP”) awarded to Buffalo Shredding and Recovery, LLC (“Buffalo Shredding”) on June 28, 2011, subject to rates previously approved by the Trustees, and further subject to commitments by Buffalo Shredding to, among other things, retain at least 22 jobs at its Buffalo, NY facility through the term of the extended 1,200 kW EP allocation; and be it further

RESOLVED, That the Trustees hereby authorize an extension, through June 30, 2020, of the 120 kilowatts (“kW”) allocation of Replacement Power (“RP”) awarded to Graphic Controls Acquisition Corp. (“Graphic Controls”) on April 4, 2011, subject to rates previously approved by the Trustees, and further subject to commitments by Graphic Controls to, among other things, retain at least 290 jobs at its Buffalo, NY facility through the term of the extended 120 kW RP allocation; and be it further

RESOLVED, That the extensions of the allocations provided for herein is contingent upon the execution of contract documents containing such terms and conditions determined by the Senior Vice President – Economic Development and Energy Efficiency and the Executive Vice President and General Counsel or their respective designees to be appropriate to effectuate such extensions, including but not limited to the commitment related to base employment levels by the customers; and be it further

RESOLVED, That the Trustees hereby authorize a public hearing pursuant to Public Authorities Law (“PAL”) §1009 on the terms of the (i) proposed form of the direct sale contract for the sale of EP finally negotiated with Buffalo Shredding, and (ii) proposed form of the direct sale contract for the sale of RP finally negotiated with Graphic Controls, the current

forms of which are attached as Exhibit "A-1" and "A-2" (the "Contracts"), subject to rates, charges and assessments previously approved by the Trustees; and be it further

RESOLVED, That the Corporate Secretary be, and hereby is, authorized to transmit a copy of the proposed Contracts to the Governor, the Speaker of the Assembly, the Minority Leader of the Assembly, the Chairman of the Assembly Ways and Means Committee, the Temporary President of the Senate, the Minority Leader of the Senate and the Chairman of the Senate Finance Committee pursuant to PAL §1009; and be it further

RESOLVED, That in connection with the proposed Contracts, the Corporate Secretary be, and hereby is, authorized to arrange for the publication of a notice of public hearing in six newspapers throughout the State, in accordance with the provisions of PAL §1009; and be it further

RESOLVED, That the Chairman, the Vice Chair, the President and Chief Executive Officer, the Chief Operating Officer and all other officers of the Authority are, and each of them hereby is, authorized on behalf of the Authority to do any and all things, take any and all actions and execute and deliver any and all agreements, certificates and other documents to effectuate the foregoing resolution, subject to the approval of the form thereof by the Executive Vice President and General Counsel.

POWER AUTHORITY

OF THE

STATE OF NEW YORK

30 South Pearl Street
10th Floor
Albany, New York 12207-3425

AGREEMENT FOR THE SALE
OF EXPANSION POWER AND/OR REPLACEMENT POWER
(CES)

to

BUFFALO SHREDDING AND RECOVERY, LLC

The POWER AUTHORITY OF THE STATE OF NEW YORK (“Authority”), created pursuant to Chapter 772 of the New York Laws of 1931 and existing under Title I of Article V of the New York Public Authorities Law (“PAL”), having its office and principal place of business at 30 South Pearl Street, 10th Floor, Albany, New York 12207-3425, hereby enters into this Agreement for the Sale of Expansion Power and/or Replacement Power (“Agreement”) with Buffalo Shredding and Recovery, LLC (“Customer”) with offices and principal place of business at 3175 Lakeshore Road, Buffalo, NY 14219. The Authority and the Customer are from time to time referred to in this Agreement as “Party” or collectively as “Parties” and agree follows:

RECITALS

WHEREAS, the Authority is authorized to sell hydroelectric power produced by the Niagara Power Project, Federal Energy Regulatory Commission (“FERC”) Project No. 2216, known as “Expansion Power” (or “EP”), as further defined in this Agreement, to qualified businesses in New York State in accordance with PAL § 1005(5) and (13);

WHEREAS, the Authority is authorized to sell hydroelectric power produced by the Niagara Power Project, FERC Project No. 2216, known as “Replacement Power” (or “RP”), as further defined in this Agreement, to qualified businesses in New York State in accordance with PAL § 1005(5) and (13);

WHEREAS, EP consists of 250 megawatts (“MW”) of firm hydroelectric power and associated firm energy produced by the Niagara Power Project;

WHEREAS, RP consists of 445 MW of firm hydroelectric power and associated firm energy produced by the Niagara Power Project;

WHEREAS, the Authority is authorized pursuant to PAL § 1005(13)(a) to award EP and/or RP based on, among other things, the criteria listed in the PAL, including but not limited to an applicant’s long-term commitment to the region as evidenced by the current and planned capital investment; the type and number of jobs supported or created by the allocation; and the state, regional and local economic development strategies and priorities supported by local units of governments in the area in which the recipient’s facilities are located;

WHEREAS, the Customer applied to the Authority for an allocation of hydropower to support operations at a new and/or expanded facility to be constructed and operated by the Customer (defined in Section I of this Agreement as the “Facility”);

WHEREAS, on September 27, 2016, the Authority’s Board of Trustees (“Trustees”) approved an extension of the 1,200 kilowatt (“kW”) allocation of EP to the Customer through June 30, 2020 (defined in Section I of this Agreement as the “Allocation”) in connection with the construction and/or operation of the Facility as further described in this Agreement;

WHEREAS, on September 27, 2016, the Trustees authorized the Authority to, among other things, take any and all actions and execute and deliver any and all agreements and other documents necessary to effectuate its approval of the Allocation;

WHEREAS, the provision of Electric Service associated with the Allocation is an

unbundled service separate from the transmission and delivery of power and energy to the Customer, and delivery service will be performed by the Customer's local electric utility in accordance with the Utility Tariff;

WHEREAS, the Parties have reached an agreement on the sale of the Allocation to the Customer on the terms and conditions provided for in this Agreement;

WHEREAS, the Authority has complied with requirements of PAL § 1009 which specifies the approval process for certain contracts negotiated by the Authority; and

WHEREAS, the Governor of the State of New York has approved the terms of this Agreement pursuant to PAL § 1009(3).

NOW THEREFORE, in consideration of the mutual covenants herein, the Authority and the Customer agree as follows:

NOW THEREFORE, the Parties hereto agree as follows:

I. Definitions

- A. **Agreement** means this Agreement.
- B. **Allocation** refers to the allocation of EP and/or RP awarded to the Customer as specified in Schedule A.
- C. **Contract Demand** is as defined in Service Tariff No. WNY-1.
- D. **Electric Service** is the Firm Power and Firm Energy associated with the Allocation and sold by the Authority to the Customer in accordance with this Agreement, Service Tariff No. WNY-1 and the Rules.
- E. **Expansion Power** (or **EP**) is 250 MW of Firm Power and associated Firm Energy from the Project eligible to be allocated by the Authority for sale to businesses pursuant to PAL § 1005(5) and (13).
- F. **Facility** means the Customer's facilities as described in Schedule A to this Agreement.
- G. **Firm Power** is as defined in Service Tariff No. WNY-1.
- H. **Firm Energy** is as defined in Service Tariff No. WNY-1.
- I. **FERC** means the Federal Energy Regulatory Commission (or any successor organization).
- J. **FERC License** means the first new license issued by FERC to the Authority for the continued operation and maintenance of the Project, pursuant to Section 15 of the Federal Power Act, which became effective September 1, 2007 after expiration of the Project's original license which became effective in 1957.

- K. **Hydro Projects** is a collective reference to the Project and the Authority's St. Lawrence-FDR Project, FERC Project No. 2000.
- L. **Load Serving Entity** (or **LSE**) means an entity designated by a retail electricity customer (including the Customer) to provide capacity, energy and ancillary services to serve such customer, in compliance with NYISO Tariffs, rules, manuals and procedures.
- M. **NYISO** means the New York Independent System Operator or any successor organization.
- N. **NYISO Tariffs** means the NYISO's Open Access Transmission Tariff or the NYISO's Market Administration and Control Area Services Tariff, as applicable, as such tariffs are modified from time to time, or any successor to such tariffs.
- O. **Project** means the Niagara Power Project, FERC Project No. 2216.
- P. **Replacement Power** (or **RP**) is 445 MW of Firm Power and associated Firm Energy from the Project eligible to be allocated by the Authority for sale to businesses pursuant to PAL § 1005(5) and (13).
- Q. **Rules** are the applicable provisions of Authority's rules and regulations (Chapter X of Title 21 of the Official Compilation of Codes, Rules and Regulations of the State of New York), as may be modified from time to time by the Authority.
- R. **Service Tariff No. WNY-1** means the Authority's Service Tariff No. WNY-1, as may be modified from time to time by the Authority, which contains, among other things, the rate schedule establishing rates and other commercial terms for sale of Electric Service to Customer under this Agreement.
- S. **Schedule A** refers to the Schedule A entitled "Expansion Power and/or Replacement Power Allocations" which is attached to and made part of this Agreement.
- T. **Schedule B** refers to the Schedule B entitled "Expansion Power and/or Replacement Power Commitments" which is attached to and made part of this Agreement.
- U. **Schedule C** refers to the Schedule C entitled "Takedown Schedule" which is attached to and made part of this Agreement.
- V. **Schedule D** refers to the Schedule D entitled "Clean Energy Standard Cost Recovery Charges" which is attached to and made part of this Agreement.
- W. **Substitute Energy** means energy that the Authority provides at the request of the Customer to replace hydroelectricity that would otherwise have been supplied to the Customer under this Agreement. Unless otherwise agreed upon by the Parties, Substitute Energy refers to energy purchased by the Authority for the Customer from markets administered by the NYISO.

- X. **Taxes** is as defined in Service Tariff No. WNY-1.
- Y. **Unforced Capacity (or “UCAP”)** means the electric capacity required to be provided by LSEs to serve electric load as defined by the NYISO Tariffs, rules, manuals and procedures.
- Z. **Utility Tariff** means the retail tariff(s) of the Customer’s local electric utility filed and approved by the PSC applicable to the delivery of EP and/or RP.

II. Electric Service

- A. The Authority shall make available Electric Service to enable the Customer to receive the Allocation in accordance with this Agreement, Service Tariff No. WNY-1 and the Rules. The Customer shall not be entitled to receive Electric Service under this Agreement for any EP and/or RP allocation unless such EP and/or RP allocation is identified on Schedule A.
- B. The Authority will provide, and the Customer shall pay for, Electric Service with respect to the Allocation specified on Schedule A. If Schedule C specifies a Takedown Schedule for the Allocation, the Authority will provide, and the Customer shall take and pay for, Electric Service with respect to the Allocation in accordance with such Takedown Schedule.
- C. The Authority shall provide UCAP in amounts necessary to meet the Customer’s NYISO UCAP requirements associated with the Allocation in accordance with the NYISO Tariffs. The Customer shall be responsible to pay the Authority for such UCAP in accordance with Service Tariff No. WNY-1.
- D. The Customer acknowledges and agrees that Customer’s local electric utility shall be responsible for delivering the Allocation to the Facility specified in Schedule A, and that the Authority has no responsibility for delivering the Allocation to the Customer.
- E. The Contract Demand for the Customer’s Allocation may be modified by the Authority if the amount of Firm Power and Firm Energy available for sale as EP or RP from the Project is modified as required to comply with any ruling, order, or decision of any regulatory or judicial body having jurisdiction, including but not limited to FERC. Any such modification will be made on a pro rata basis to all EP and RP customers, as applicable, based on the terms of such ruling, order, or decision.
- F. The Contract Demand may not exceed the Allocation.

III. Rates, Terms and Conditions

- A. Electric Service shall be sold to the Customer based on the rates, terms and conditions provided for in this Agreement, Service Tariff No. WNY-1 and the Rules.
- B. Notwithstanding any provision of this Agreement to the contrary, the power and energy rates for Electric Service shall be subject to increase by Authority at any time upon 30

days prior written notice to Customer if, after consideration by Authority of its legal obligations, the marketability of the output or use of the Project and Authority's competitive position with respect to other suppliers, Authority determines in its discretion that increases in rates obtainable from any other Authority customers will not provide revenues, together with other available Authority funds not needed for operation and maintenance expenses, capital expenses, and reserves, sufficient to meet all requirements specified in Authority's bond and note resolutions and covenants with the holders of its financial obligations. Authority shall use its best efforts to inform Customer at the earliest practicable date of its intent to increase the power and energy rates pursuant to this provision. Any rate increase to Customer under this subsection shall be on a non-discriminatory basis as compared to other Authority customers after giving consideration to the factors set forth in the first sentence of this subsection. With respect to any such increase, Authority shall forward to Customer with the notice of increase, an explanation of all reasons for the increase, and shall also identify the sources from which Authority will obtain the total of increased revenues and the bases upon which Authority will allocate the increased revenue requirements among its customers. Any such increase in rates shall remain in effect only so long as Authority determines such increase is necessary to provide revenues for the purposes stated in the preceding sentences.

- C. In addition to all other fees, assessments and charges provided for in the Agreement, Service Tariff WNY-1 and the Rules, Electric Service shall be subject to the Clean Energy Standard Cost Recovery Charges provided for in Schedule D.

IV. Expansion Power and/or Replacement Power Commitments

- A. Schedule B sets forth the Customer's specific "Expansion Power and/or Replacement Power Commitments." The commitments agreed to in Schedule B are in addition to any other rights and obligations of the Parties provided for in the Agreement.
- B. The Authority's obligation to provide Electric Service under this Agreement, and the Customer's obligation to take and pay for such Electric Service, are expressly conditioned upon the Customer's timely completion of the commitments described in Schedule B.
- C. In the event of partial completion of the Facility which has resulted in such Facility being partly operational and the partial attainment of the Base Employment Level, the Authority may, upon the Customer's request, provide Electric Service to the Customer in an amount determined by the Authority to fairly correspond to the completed portion of the Facility, provided that the Customer demonstrates that the amount of requested Electric Service is needed to support the operations of the partially completed Facility.
- D. The Customer shall give the Authority not less than ninety (90) days' advance notice in writing of the anticipated date of partial or full completion of the Facility. The Authority will inspect the Facility for the purpose of verifying the completion status of the Facility and notify Customer of the results of the inspection. The Authority will thereafter commence Electric Service within a reasonable time after verification based on applicable operating procedures of the Authority, the Customer's local electric utility and the NYISO.

V. Rules and Service Tariff

Service Tariff No. WNY-1, as may be modified or superseded from time to time by the Authority, is hereby incorporated into this Agreement with the same force and effect as if set forth herein at length. In the event of any inconsistencies, conflicts, or differences between the provisions of Service Tariff No. WNY-1 and the Rules, the provisions of Service Tariff No. WNY-1 shall govern. In the event of any inconsistencies, conflicts or differences between the provisions of this Agreement and Service Tariff No. WNY-1, the provisions of this Agreement shall govern.

VI. Transmission and Delivery of Firm Power and Firm Energy; Responsibility for Charges

- A. The Customer shall be responsible complying with all requirements of its local electric utility that are necessary to enable the Customer to receive delivery service for the Allocation. Delivery of the Allocation shall be subject to the Utility Tariff.
- B. The Customer shall be solely responsible for paying its local electric utility for delivery service associated with the Allocation in accordance with the Utility Tariff. Should the Authority incur any charges associated with such delivery service, the Customer shall reimburse the Authority for all such charges.
- C. The Customer understands and acknowledges that delivery of the Allocation will be made over transmission facilities under the control of the NYISO. The Authority will act as the LSE with respect to the NYISO, or arrange for another entity to do so on the Authority's behalf. The Customer agrees and understands that it shall be responsible to the Authority for all costs incurred by the Authority with respect to the Allocation for the services established in the NYISO Tariff, or other applicable tariff ("NYISO Charges"), as set forth in Service Tariff No. WNY-1 or any successor service tariff, regardless of whether such NYISO Charges are transmission-related. Such NYISO Charges shall be in addition to the charges for power and energy.
- D. By entering into this Agreement, the Customer consents to the exchange of information between the Authority and the Customer's local electric utility pertaining to the Customer that the Authority and the local electric utility determine is necessary to provide for the Allocation, sale and delivery of EP and/or RP to the Customer, the proper and efficient implementation of the EP and/or RP programs, billing related to EP and/or RP, and/or the performance of such parties' obligations under any contracts or other arrangements between them relating to such matters.
- E. The provision of Electric Service by the Authority shall be dependent upon the existence of a written agreement or other form of understanding between the Authority and the Customer's local electric utility on terms and conditions that are acceptable to the Authority.
- F. The Customer understands and acknowledges that the Authority may from time to time require the Customer to complete forms, provide documentation, execute consents and provide other information (collectively, "Information") which the Authority determines is necessary for the provision of Electric Service, the delivery of EP and/or RP, billing

related to the EP and/or RP program, the effective and proper administration of the EP and/or RP program, and/or the performance of contracts or other arrangements between the Authority and the Customer's local electric utility. The Customer's failure to provide such Information shall be grounds for the Authority in its sole discretion to withhold or suspend Electric Service to the Customer.

VII. Billing and Billing Methodology

- A. The billing methodology for the Allocation shall be determined on a "load factor sharing" basis in a manner consistent with the Utility Tariff and any agreement between the Authority and the Customer's local electric utility. An alternative basis for billing may be used provided the Parties agree in writing and the local electric utility provides its consent if such consent is deemed necessary.
- B. The Authority will render bills by the 10th business day of the month for charges due for the previous month. Such bills shall include charges for Electric Service, NYISO Charges associated with the Allocation (subject to adjustment consistent with any later NYISO re-billings to the Authority), and other applicable charges.
- C. The Authority may render bills to the Customer electronically.
- D. The Authority and the Customer may agree in writing to an alternative method for the rendering of bills and for the payment of bills, including but not limited to the use of an Authority-established customer self-service web portal.
- E. The Authority will charge and collect from the Customer all Taxes (including local, state and federal taxes) the Authority determines are applicable, unless the Customer furnishes the Authority with proof satisfactory to the Authority that (i) the Customer is exempt from the payment of any such Taxes, and/or (ii) the Authority is not obligated to collect such Taxes from the Customer. If the Authority is not collecting Taxes from the Customer based on the circumstances described in (i) or (ii) above, the Customer shall immediately inform the Authority of any change in circumstances relating to its tax status that would require the Authority to charge and collect such Taxes from the Customer.
- F. Unless otherwise agreed to by the Authority and the Customer in writing, if the Customer fails to pay any bill when due, an interest charge of two percent (2%) of the amount unpaid shall be added thereto as liquidated damages, and thereafter, as further liquidated damages, an additional interest charge of one and one-half percent (1 1/2%) of the sum unpaid shall be added on the first day of each succeeding billing period until the amount due, including interest, is paid in full.
- G. Unless otherwise agreed to by the Authority and the Customer in writing, in the event the Customer disputes any item of any bill rendered by Authority, the Customer shall pay such bill in full within the time provided for by this Agreement, and adjustments, if appropriate, will be made thereafter.
- H. If at any time after commencement of Electric Service the Customer fails to make complete and timely payment of any two (2) bills for Electric Service, the Authority shall

have the right to require the Customer to deposit with the Authority a sum of money in an amount equal to all charges that would be due under this Agreement for Electric Service for two (2) consecutive calendar months as estimated by the Authority. Such deposit shall be deemed security for the payment of unpaid bills and/or other claims of the Authority against the Customer upon termination of Electric Service. If the Customer fails or refuses to provide the deposit within thirty (30) days of a request for such deposit, the Authority may, in its sole discretion, suspend Electric Service to the Customer or terminate this Agreement.

- I. All other provisions with respect to billing are set forth in Service Tariff No. WNY-1 and the Rules.
- J. The rights and remedies provided to the Authority in this Article are in addition to any and all other rights and remedies available to Authority at law or in equity.

VIII. Hydropower Curtailments and Substitute Energy

- A. If, as a result of reduced water flows caused by hydrologic conditions, there is insufficient energy from the Hydro Projects to supply the full power and energy requirements of the Authority's firm power customers served by the Authority from the Hydro Projects, curtailments (*i.e.* reductions) in the amount of Firm Power and Firm Energy associated with the Allocation to which the Customer is entitled shall be applied on a *pro rata* basis to all firm power and energy customers served from the Hydro Projects, consistent with Service Tariff No. WNY-1 as applicable.
- B. The Authority shall provide reasonable notice to Customer of any curtailments referenced in Section VIII.A of this Agreement that could impact Customer's Electric Service under this Agreement. Upon written request by the Customer, the Authority will provide Substitute Energy to the Customer to replace the Firm Power and Firm Energy that would otherwise have been supplied pursuant to this Agreement.
- C. For each kilowatt-hour of Substitute Energy supplied by the Authority, the Customer will pay the Authority directly during the billing month: (1) the difference between the market cost of the Substitute Energy and the charge for firm energy as provided for in this Agreement; and (2) any NYISO charges and taxes the Authority incurs in connection with the provision of such Substitute Energy. Billing and payment for Substitute Energy shall be governed by the Billing and Payments provision of the Authority's Rules (Section 454.6) and shall apply directly to the Substitute Energy service supplied to the Customer.
- D. The Parties may enter into a separate agreement to facilitate the provision of Substitute Energy, provided, however, that the provisions of this Agreement shall remain in effect notwithstanding any such separate agreement. The provision of Substitute Energy may be terminated by the Authority or the Customer on fifteen (15) days' prior written notice.

IX. Effectiveness, Term and Termination

- A. This Agreement shall become effective and legally binding on the Parties upon execution of this Agreement by the Authority and the Customer.
- B. Once commenced, Electric Service under the Agreement shall continue until the earliest of: (1) termination by the Customer with respect to its Allocation upon ninety (90) days prior written notice to the Authority; (2) termination by the Authority pursuant to this Agreement, Service Tariff No. WNY-1, or the Rules; or (3) expiration of the Allocation by its own term as specified in Schedule A.
- C. The Customer may exercise a partial termination of the Allocation upon at least thirty (30) days' notice prior written notice to the Authority. The termination shall be effective commencing with the first billing period as defined in Service Tariff No. WNY-1.
- D. The Authority may cancel service under this Agreement or modify the quantities of Firm Power and Firm Energy associated with the Allocation: (1) if such cancellation or modification is required to comply with any final ruling, order or decision of any regulatory or judicial body of competent jurisdiction (including any licensing or re-licensing order or orders of the FERC or its successor agency); or (2) as otherwise provided in this Agreement, Service Tariff No. WNY-1, or the Rules.

X. Additional Allocations

- A. Upon proper application by the Customer, the Authority may in its discretion award additional allocations of EP or RP to the Customer at such rates and on such terms and conditions as the Authority establishes. If the Customer agrees to purchase Electric Service associated with any such additional allocation, the Authority will (i) incorporate any such additional allocations into Schedule A, or in its discretion will produce a supplemental schedule, to reflect any such additional allocations, and (ii) produce a modified Appendix to Schedule B, as the Authority determines to be appropriate. The Authority will furnish the Customer with any such modified Schedule A, supplemental schedule, and/or a modified Appendix to Schedule B, within a reasonable time after commencement of Electric Service for any such additional allocation.
- B. In addition to any requirements imposed by law, the Customer hereby agrees to furnish such documentation and other information as the Authority requests to enable the Authority to evaluate any requests for additional allocations and consider the terms and conditions that should be applicable of any additional allocations.

XI. Notification

- A. Correspondence involving the administration of this Agreement shall be addressed as follows:

To: The Authority

New York Power Authority
123 Main Street
White Plains, New York 10601
Email:
Facsimile: _____
Attention: Manager – Business Power Allocations and Compliance

To: The Customer

Buffalo Shredding and Recovery, LLC
3175 Lakeshore Road, Buffalo, NY 14219
Email:
Facsimile:
Attention:

The foregoing notice/notification information pertaining to either Party may be changed by such Party upon notification to the other Party pursuant to Section XI.B of this Agreement.

- B. Except where otherwise herein specifically provided, any notice, communication or request required or authorized by this Agreement by either Party to the other shall be deemed properly given: (1) if sent by U.S. First Class mail addressed to the Party at the address set forth above; (2) if sent by a nationally recognized overnight delivery service, two (2) calendar days after being deposited for delivery to the appropriate address set forth above; (3) if delivered by hand, with written confirmation of receipt; (4) if sent by facsimile to the appropriate fax number as set forth above, with written confirmation of receipt; or (5) if sent by electronic mail to the appropriate address as set forth above, with written confirmation of receipt. Either Party may change the addressee and/or address for correspondence sent to it by giving written notice in accordance with the foregoing.

XII. Applicable Law

This Agreement shall be governed by and construed in accordance with the laws of the State of New York to the extent that such laws are not inconsistent with the FERC License and the Niagara Redevelopment Act (16 USC §§836, 836a).

XIII. Venue

Each Party consents to the exclusive jurisdiction and venue of any state or federal court within or for Albany County, New York, with subject matter jurisdiction for adjudication

of any claim, suit, action or any other proceeding in law or equity arising under, or in any way relating to this Agreement.

XIV. Successors and Assigns; Resale of Hydropower

- A. The Customer may not assign or otherwise transfer an interest in this Agreement.
- B. The Customer may not resell or allow any other person to use any quantity of EP and/or RP it has purchased from the Authority under this Agreement.
- C. Electric Service sold to the Customer pursuant to this Agreement may only be used by the Customer at the Facility specified in Schedule A.

XV. Previous Agreements and Communications

- A. This Agreement shall constitute the sole and complete agreement of the Parties hereto with respect to the subject matter hereof, and supersedes all prior negotiations, representations, warranties, commitments, offers, contracts and writings, written or oral, with respect to the subject matter hereof.
- B. Except as otherwise provided in this Agreement, no modification of this Agreement shall be binding upon the Parties hereto or either of them unless such modification is in writing and is signed by a duly authorized officer of each of them.

XVI. Severability and Voidability

- A. If any term or provision of this Agreement shall be invalidated, declared unlawful or ineffective in whole or in part by an order of the FERC or a court of competent jurisdiction, such order shall not be deemed to invalidate the remaining terms or provisions hereof.
- B. Notwithstanding the preceding paragraph, if any provision of this Agreement is rendered void or unenforceable or otherwise modified by a court or agency of competent jurisdiction, the entire Agreement shall, at the option of either Party and only in such circumstances in which such Party's interests are materially and adversely impacted by any such action, be rendered void and unenforceable by such affected Party.

XVII. Waiver

- A. Any waiver at any time by either the Authority or the Customer of their rights with respect to a default or of any other matter arising out of this Agreement shall not be deemed to be a waiver with respect to any other default or matter.
- B. No waiver by either Party of any rights with respect to any matter arising in connection with this Agreement shall be effective unless made in writing and signed by the Party making the waiver.

XVIII. Execution

To facilitate execution, this Agreement may be executed in as many counterparts as may be required, and it shall not be necessary that the signatures of, or on behalf of, each Party, or that the signatures of all persons required to bind any Party, appear on each counterpart; but it shall be sufficient that the signature of, or on behalf of, each Party, or that the signatures of the persons required to bind any Party, appear on one or more of the counterparts. All counterparts shall collectively constitute a single agreement. It shall not be necessary in making proof of this Agreement to produce or account for more than a number of counterparts containing the respective signatures of, or on behalf of, all of the Parties hereto. The delivery of an executed counterpart of this Agreement by email as a PDF file shall be legal and binding and shall have the same full force and effect as if an original executed counterpart of this Agreement had been delivered.

[SIGNATURES FOLLOW ON NEXT PAGE]

AGREED:

BUFFALO SHREDDING AND RECOVERY, LLC

By: _____

Title: _____

Date: _____

AGREED:

POWER AUTHORITY OF THE STATE OF NEW YORK

By: _____
John R. Koelmel, Chairman

Date: _____

SCHEDULE A TO AGREEMENT FOR THE SALE OF EXPANSION POWER AND/OR REPLACEMENT POWER (CES)

EXPANSION POWER AND/OR REPLACEMENT POWER ALLOCATIONS

Customer: Buffalo Shredding and Recovery, LLC				
Type of Allocation	Allocation Amount (kW)	Facility	Trustee Approval Date	Expiration Date
Expansion Power	400	3175 Lakeshore Road Buffalo, NY 14219	September 27, 2016	June 30, 2020

**SCHEDULE B TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

EXPANSION POWER AND/OR REPLACEMENT POWER COMMITMENTS

I. Employment Commitments

A. Employment Levels

The provision of EP and/or RP to the Customer hereunder is in consideration of, among other things, the Customer's creation and/or maintenance of the employment level set forth in the Appendix of this Schedule (the "Base Employment Level"). Such Base Employment Level shall be the total number of full-time positions held by: (1) individuals who are employed by the Customer at Customer's Facility identified in the Appendix to this Schedule, and (2) individuals who are contractors or who are employed by contractors of the Customer and assigned to the Facility identified in such Appendix (collectively, "Base Level Employees"). The number of Base Level Employees shall not include individuals employed on a part-time basis (less than 35 hours per week); provided, however, that two individuals each working 20 hours per week or more at such Facility shall be counted as one Base Level Employee.

The Base Employment Level shall not be created or maintained by transfers of employees from previously held positions with the Customer or its affiliates within the State of New York, except that the Base Employment Level may be filled by employees of the Customer laid off from other Customer facilities for *bona fide* economic or management reasons.

The Authority may consider a request to change the Base Employment Level based on a claim of increased productivity, increased efficiency or adoption of new technologies or for other appropriate reasons as determined by the Authority. Any such change shall be within Authority's sole discretion.

B. Employment Records and Reports

A record shall be kept monthly by the Customer, and provided on a calendar year basis to the Authority, of the total number of Base Level Employees who are employed at or assigned to the Customer's Facility identified in the Appendix to this Schedule, as reported to the United States Department of Labor (or as reported in such other record as agreed upon by the Authority and the Customer). Such report shall separately identify the individuals who are employed by the Customer, and the individuals who are contractors or who are employed by contractors of the Customer, and shall be certified to be correct by an officer of the Customer, plant manager or such other person authorized by the Customer to prepare and file such report and shall be provided to the Authority on or before the last day of February following the end of the most recent calendar year. The Authority shall have the right to examine and audit on reasonable advance written notice

all non-confidential written and electronic records and data concerning employment levels including, but not limited to, personnel records and summaries held by the Customer and its affiliates relating to employment in New York State.

II. Reductions of Contract Demand

A. Employment Levels

If the year-end monthly average number of employees is less than 90% of the Base Employment Level set forth in this Schedule B, for the subject calendar year, the Authority may reduce the Contract Demand subject to Article II.D of this Schedule. The maximum amount of reduction will be determined by multiplying the Contract Demand by the quantity one minus the quotient of the average monthly employment during the subject calendar year divided by the Base Employment Level. Any such reduction shall be rounded to the nearest fifty (50) kW. In the event of a reduction of the Contract Demand to zero, the Agreement shall automatically terminate.

B. Power Utilization Levels

A record shall be kept monthly by the Customer, and provided on a calendar year basis to the Authority on or before the last day of February following the end of the most recent calendar year, of the maximum demand utilized each month in the Facility receiving the power covered by the Agreement. If the average of the Customer's six (6) highest Billing Demands (as such term is described in Service Tariff No. WNY-1) for Expansion Power and/or Replacement Power is less than 90% of the Customer's Contract Demand in such calendar year the Authority may reduce the Contract Demand subject to Article II.D of this Schedule. The maximum amount by which the Authority may reduce the Contract Demand shall be determined by multiplying the Contract Demand by the quantity one minus the quotient of the average of the six (6) highest Billing Demands for in such calendar year divided by the Contract Demand. Any such reduction shall be rounded to the nearest fifty (50) kW. In the event of a reduction of the Contract Demand to zero, this Agreement shall automatically terminate.

C. Capital Investment

The Customer agrees to undertake the capital investment set forth in the Appendix to this Schedule.

Notwithstanding any other provision of the Agreement, the Customer shall provide the Authority with such access to the Facility, and such documentation, as the Authority deems necessary to determine the Customer's compliance with the Customer's obligations provided for in this Schedule B.

D. Notice of Intent to Reduce Contract Demand

In the event that the Authority determines that the Contract Demand will be wholly or partially reduced pursuant to this Schedule , the Authority shall provide the Customer with at least thirty (30) days prior written notice of such reduction, specifying the amount of the reduction of Contract Demand and the reason for the reduction, provided, however, that before making the reduction, the Authority may consider the Customer's scheduled or unscheduled maintenance or Facility upgrading periods when such events temporarily reduce plant employment levels or electrical demand as well as business cycle.

III. Energy Efficiency Audits; Information Requests

Unless otherwise agreed to by the Authority in writing, the Customer shall undergo an energy efficiency audit of its Facility and equipment at which the Allocation is consumed at the Customer's expense at least once during the term of this Agreement but in any event not less than once every five years. The Customer will provide the Authority with a copy of the audit or, at the Authority's option, a report describing the results of the audit, and provide documentation requested by the Authority to verify the implementation of any efficiency measures implemented at the Facility.

The Customer agrees to cooperate to make its Facility available at reasonable times and intervals for energy audits and related assessments that the Authority desires to perform, if any, at the Authority's own expense.

The Customer shall provide information requested by the Authority or its designee in surveys, questionnaires and other information requests relating to energy efficiency and energy-related projects, programs and services.

The Customer may, after consultation with the Authority, exclude from written copies of audits, reports and other information provided to the Authority under this Article trade secrets and other information which if disclosed would harm the competitive position of the Customer.

APPENDIX TO SCHEDULE B

BASE EMPLOYMENT LEVEL

The Customer shall employ at least 22 full-time employees (“Base Employment Level”) at the Customer’s Facility. The Base Employment Level shall be maintained for the term of the Allocation in accordance with Article I of Schedule B.

CAPITAL INVESTMENT

N/A

**SCHEDULE C TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

TAKEDOWN SCHEDULE

N/A

**SCHEDULE D TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

CLEAN ENERGY STANDARD COST RECOVERY CHARGES¹

1. Notwithstanding any other provision of the Agreement, or any provision of Service Tariff No. WNY-1 or the Rules, the Customer shall be subject to a (i) Zero Emission Credit (“ZEC”) Charge, and (ii) Renewable Energy Credit (“REC”) Charge (collectively, the “Clean Energy Standard Cost Recovery Charges”), as of the dates indicated herein. The Clean Energy Standard Cost Recovery Charges shall be in addition to all other fees, assessments and charges provided for in the Agreement, Service Tariff No. WNY-1 and the Rules.
2. The Clean Energy Standard Cost Recovery Charges have been developed to support the Clean Energy Standard (“CES”) established by the New York Public Service Commission (“PSC”) in an order entitled “Order Adopting a Clean Energy Standard, issued on August 1, 2016, in Case Nos. 15-E-0302 and 16-E-270 (the “CES Order”). The CES is intended to implement the clean energy goals of the State Energy Plan (“SEP”). The SEP’s goals are that 50% of New York’s consumed electricity is to be provided by renewable electricity sources of power by 2030, and to reduce statewide greenhouse gases by 40% by 2030.
3. As detailed in the CES Order, the PSC established a regulatory program (the “CES Program”) which imposes two requirements on load serving entities (“LSEs”) identified in the CES Order (hereinafter, “Affected LSEs”):
 - (1) An obligation to purchase “Zero Emission Credits” (“ZECs”) from the New York State Energy Research Development Authority (“NYSERDA”), in an amount representing the Affected LSE’s proportional share of ZECs calculated by the amount of electric load it serves in relation to the total electric load served by all LSEs in the New York Control area, to support the preservation of existing at risk nuclear zero emissions attributes (the “ZEC Purchase Obligation”). The ZEC Purchase Obligation is currently scheduled to commence on April 1, 2017, and will be implemented on the basis of program years running from April 1 through March 31 of each year (“ZEC Program Year”).
 - (2) An obligation to support renewable generation resources to serve the Affected LSE’s retail customers to be evidenced by the procurement of qualifying Renewable Energy Credits (“RECs”) in quantities that satisfy mandatory minimum percentage proportions of the total retail load served by the Affected LSE (the “REC Purchase Obligation”). Minimum purchase proportions for Affected LSEs for years 2017-2021 are specified in the CES Order, subject to

¹ Capitalized terms not defined in this Schedule D have the meaning ascribed to them in the Agreement, Service Tariff No. WNY-1, or the Rules.

adjustment after a 3-year look-back, and the PSC indicates it will adopt increasingly larger minimum purchase proportions for years 2022-2030. The REC Purchase Obligation is scheduled to commence January 1, 2017 and will be implemented on the basis of program years running from January 1 through December 31 of each year (“REC Program Year”).

4. The Authority is not subject to PSC jurisdiction for purposes of the CES Order. However, it supplies electricity to end-use customers throughout the State in a manner similar to an Affected LSE, and supports the clean energy goals of the SEP. Therefore, the Authority will participate in the CES Program as further explained herein by (i) assuming a ZEC Purchase Obligation, and (ii) adapting a form of the REC Purchase Obligation, through an Authority REC Program, to the end-user load for which the Authority serves as an LSE, including power sold under EP and RP Programs, for the purpose of implementing the CES and the SEP’s clean energy goals. The Authority’s participation in the CES Program as described will cause the Authority to incur costs. The ZEC Charge and the REC Charge are intended to recover from the Customer the costs the Authority will incur from purchasing ZECs and RECs that are attributable to Customer load served under this Agreement. By accepting Electric Service under the Agreement, the Customer agrees to reimburse the Authority for such costs through payment of the ZEC Charge and REC Charge.

5. ZEC Charge

a. The Authority anticipates the ZEC Charge to the Customer will be determined as follows, subject to the qualifications provided for in other provisions of this Schedule D:

i. The cost of the total ZEC Requirement for all LSEs in the New York Control Area, including the Authority as a participating LSE, will be assessed as described in the CES Order. The Authority will purchase its proportionate share of ZECs from NYSERDA. Its share will be based on the proportion of the forecasted total kilowatt-hours load served by the Authority (total Authority LSE load) in relation to the forecasted total kilowatt-hours load served by all LSEs in the New York Control Area as provided in the CES Order. The Authority anticipates that LSE ZEC Purchase Obligations will be based on initial forecasts with reconciliations made at the end of each ZEC Program Year by NYSERDA.

ii. The Authority will allocate costs from its ZEC Purchase Obligation between its power programs/load for which it serves as LSE, including the EP and RP Programs (the “EP and RP Programs ZEC Cost”). Such allocation will be based on the forecasted kilowatt-hours load of the EP and RP Programs to be served by the Authority in relation to the forecasted total kilowatt-hours load served by the Authority (total Authority LSE load) for the ZEC Program Year. In addition, any balance resulting from the ZEC Program Year-end reconciliation of the ZEC Purchase Obligation would be allocated to the EP

and RP Programs based on the proportion of the actual annual kilowatt-hours load served under such Programs to total actual annual kilowatt-hours load served by the Authority (total Authority LSE load).

- iii. The Authority will allocate a portion of the EP and RP Programs ZEC Cost to the Customer as the ZEC Charge based on the proportion of the Customer's actual kilowatt-hours load for the EP and/or RP purchased by the Customer to total kilowatt-hours load served by the Authority under the EP and RP Programs (EP and RP Programs level load). In addition, any balance resulting from the ZEC Program Year-end reconciliation of the ZEC Purchase Obligation mentioned above will be passed through to the Customer based on the proportion of the Customer's annual kilowatt-hours load purchased under this Agreement to total annual kilowatt-hours load served under the EP and RP Program by the Authority (EP and RP Programs level load).
- b. The ZEC Charge shall apply to the sale of EP and/or RP sold under this Agreement on and after April 1, 2017, unless by written notice the Authority specifies that the ZEC Charge shall apply to sales of EP and/or RP commencing on a later date.

6. REC Charge

- a. The Authority anticipates the REC Charge to the Customer will be determined as follows, subject to the qualifications provided for in other provisions of this Schedule D:
 - i. Under the Authority REC Program, the Authority will, at a minimum, secure a sufficient number of RECs as required by the REC Purchase Obligation to cover the Customer's load based on the percent of the Customer's kilowatt-hour load as prescribed in the CES Order. The Authority will purchase RECs from NYSERDA or secure qualified RECs from one or more other sources in the Authority's discretion.
 - ii. The Authority may, in its sole discretion, as part of the Authority REC Program, offer the Customer a "customer choice component" that would allow the Customer to elect one or more options in connection with the REC Purchase Obligation, such as (but not necessarily limited to) the following: (a) designate the Authority to secure RECs for the Customer's load, and pay the Authority the REC Charge; (b) purchase the required number of qualifying RECs itself pursuant to an authorized Authority-developed process, thereby avoiding payment of the standard REC Charge; or (c) make a form of Alternative Compliance Payments ("ACPs") as calculated by the Authority pursuant to an authorized Authority-developed process.
 - iii. The costs incurred by the Authority under the Authority REC Program that are attributable to the Customer's load will be passed on to the Customer as the

REC Charge. Depending on the availability of the Customer's kilowatt-hour load information and other data from third-party sources, the Customer will either be billed for actual costs or estimated costs subject to reconciliation adjustments.

- c. The REC Charge shall apply to the sale of EP and/or RP sold under this Agreement on and after January 1, 2017, unless by written notice the Authority specifies that the REC Charge shall apply to sales of EP and/or RP commencing on a later date.
7. The Authority may, in its discretion, provide the Customer with additional information relating to the determination of the Clean Energy Standard Cost Recovery Charges by notice prior to the first billing of either charge, at the time of the first billing of either charge, or in another appropriate manner determined by the Authority.
8. The Authority may, in its sole discretion, modify the manner in which it participates in the CES Program, upon consideration of such matters as PSC orders modifying or implementing the CES Order and CES Program, guidance issued by the Department of Public Service, the Authority's legal and financial obligations and polices, changes of law, and other information the Authority determines to be appropriate.
9. The Authority may, in its sole discretion, include the Clean Energy Standard Cost Recovery Charges as part of the bills that are rendered pursuant to Article VII of the Agreement, or bill the Customer for such Charges pursuant to another procedure to be established by the Authority.
10. The Authority may, in its sole discretion, modify the methodology used for determining the Clean Energy Standard Cost Recovery Charges and the procedures used to implement such charges, upon consideration of such matters as PSC orders modifying or implementing the CES Order and CES Program, guidance issued by the Department of Public Service, and any other matter the Authority determines to be appropriate to the determination of such methodology.
11. Nothing in this Schedule D shall limit or otherwise affect the Authority's right to: (a) charge or collect from the Customer, any rate, charge, fee, assessment, or tax provided for under any other provision of the Agreement, or any provision of Service Tariff No. WNY-1 or the Rules; or (b) charge the Customer, or recover from the Customer for, any cost, expense or other liability to the Authority resulting from any statutory enactment, or any action of the PSC or other governmental authority relating to the SEP or CES.



POWER AUTHORITY OF THE STATE OF NEW YORK

30 SOUTH PEARL STREET

ALBANY, NY 12207

**Schedule of Rates for Sale of Firm Power to Expansion and
Replacement Customers located**

In Western New York

Service Tariff No. WNY-1

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Schedule of Rates for Firm Power Service

I. Applicability

To sales of Expansion Power and/or Replacement Power (as defined below) directly to a qualified business Customer (as defined below) for firm power service.

II. Abbreviations and Terms

- kW kilowatt(s)
- kW-mo. kilowatt-month
- kWh kilowatt-hour(s)
- MWh megawatt-hour(s)
- NYISO New York Independent System Operator, Inc. or any successor organization
- PAL New York Public Authorities Law
- OATT Open Access Transmission Tariff

Agreement: An executed “Agreement for the Sale of Expansion and/or Replacement Power and Energy” between the Authority and the Customer (each as defined below).

Annual Adjustment Factor or **AAF:** This term shall have the meaning set forth in Section V herein.

Authority: The Power Authority of the State of New York, a corporate municipal instrumentality and a political subdivision of the State of New York created pursuant to Chapter 772 of the New York Laws of 1931 and existing and operating under Title 1 of Article 5 of the PAL, also known as the “New York Power Authority.”

Customer: A business customer who has received an allocation for Expansion Power and/or Replacement Power from the Authority and who purchases Expansion Power and/or Replacement Power directly from the Authority.

Electric Service: The power and energy provided to the Customer in accordance with the Agreement, this Service Tariff and the Rules.

Expansion Power and/or **Replacement Power:** Firm Power and Firm Energy made available under this Service Tariff by the Authority from the Project for sale to the Customer for business purposes pursuant to PAL § 1005(5) and (13).

Firm Power: Capacity (kW) that is intended to be always available from the Project subject to the curtailment provisions set forth in the Agreement between the Authority and the Customer and this Service Tariff. Firm Power shall not include peaking power.

Firm Energy: Energy (kWh) associated with Firm Power.

Load Serving Entity or **LSE**: This term shall have the meaning set forth in the Agreement.

Load Split Methodology or **LSM**: A load split methodology applicable to a Customer's allocation. It is usually provided for in an agreement between the Authority and the Customer's local electric utility, an agreement between the Authority and the Customer, or an agreement between the Authority, the Customer and the Customer's local electric utility, or such local utility's tariff, regarding the delivery of WNY Firm Power. The load split methodology is often designated as "Load Factor Sharing" or "LFS", "First through the Meter" or "FTM", "First through the Meter Modified" or "FTM Modified", or "Replacement Power 2" or "RP 2".

Project: The Authority's Niagara Power Project, FERC Project No. 2216.

Rate Year or **RY**: The period from July 1 through June 30 starting July 1, 2013, and for any year thereafter.

Rules: The Authority's rules and regulations set forth in 21 NYCRR § 450 *et seq.*, as they may be amended from time to time.

Service Tariff: This Service Tariff No. WNY-1.

Target Rate: This term shall have the meaning set forth in Section III herein.

All other capitalized terms and abbreviations used but not defined herein shall have the same meaning as set forth in the Agreement.

III. Monthly Rates and Charges

A. Expansion Power (EP) and Replacement Power (RP) Base Rates

Beginning on July 1, 2013, there will be a 3-year phase-in to new base rates. The phase-in will be determined by the rate differential between the 2012 EP/RP rates and a "Target Rate." The Target Rate, specified in Section III.A.1. below, is based on the rates determined by the Authority to be applicable in RY 2013 for sales of "preservation power" as that term is defined in PAL § 1005(13). The following Sections III.A.1-4 describe the calculation and implementation of the phase-in.

1. The initial rate point will be established by the EP/RP rates (\$/kW and \$/MWh), determined by mid-April 2012 and made effective on May 1, 2012 in accordance with the Authority's then-applicable EP and RP tariffs. The Target Rate (*i.e.* demand and energy rates) for RY 2013 shall be \$7.99/kW and \$13.66/MWh.
2. The difference between the two rate points is calculated and divided by 3 to correspond with the number of Rate Years over which the phase-in will occur. The resulting quotients (in \$/kW and \$/MWh) are referred to as the "annual increment."
3. The annual increment will be applied to the base rates for the 3-year period of the 2013, 2014 and 2015 Rate Years, which shall be as follows:

RY 2013: July 1, 2013 to June 30, 2014
RY 2014: July 1, 2014 to June 30, 2015
RY 2015: July 1, 2015 to June 30, 2016

The annual rate adjustments normally made effective on May 1, 2013 under then-applicable EP and RP tariffs will be suspended, such that demand and energy rates established in 2012 shall be extended through June 30, 2013.

4. Effective commencing in RY 2013, the Annual Adjustment Factor ("AAF") described in Section V herein, shall be applied as follows:
 - A. For the RY 2013 only, the AAF will be suspended, and the RY 2013 rate increase will be subject only to the annual increment.
 - B. For the RYs 2014 and 2015, the AAF will be applied to the demand and energy rates after the addition of the annual increment to the rates of the previous RY rates. Such AAF will be subject to the terms and limits stated in Section V herein.
 - C. Beginning in RY 2016, the AAF will be applied to the previous RY rates, and the annual increment is no longer applicable.

B. EP and RP Rates no Lower than Rural/Domestic Rate

At all times the applicable base rates for demand and energy determined in accordance with Sections III.A and V of this Service Tariff shall be no lower than the rates charged by the

Authority for the sale of hydroelectricity for the benefit of rural and domestic customers receiving service in accordance with the Niagara Redevelopment Act, 16 U.S.C. § 836(b)(1) and PAL § 1005(5) (the "Rural/Domestic Rate"). This provision shall be implemented as follows: if the base rates, as determined in accordance with Sections III.A and V of this Service Tariff, are lower than the Rural/Domestic Rate on an average \$/MWh basis, each set of rates measured at 80% load factor which is generally regarded as representative for EP and RP Customers, then the base rates determined under Sections III.A and V of this Service Tariff will be revised to make them equal to the Rural/Domestic Rate on an average \$/MWh basis. However, the base rates as so revised will have no effect until such time as these base rates are lower than the Rural/Domestic Rate.

C. Monthly Base Rates Exclude Delivery Service Charges

The monthly base rates set forth in this Section III exclude any applicable costs for delivery services provided by the local electric utility.

D. Minimum Monthly Charge

The minimum monthly charge shall equal the product of the demand charge and the contract demand (as defined herein). Such minimum monthly charge shall be in addition to any NYISO Charges or Taxes (each as defined herein) incurred by the Authority with respect to the Customer's Allocation.

E. Estimated Billing

If the Authority, in its sole discretion, determines that it lacks reliable data on the Customer's actual demand and/or energy usage for a Billing Period during which the Customer receives Electric Service from the Authority, the Authority shall have the right to render a bill to the Customer for such Billing Period based on estimated demand and estimated usage ("Estimated Bill").

For the purpose of calculating a Billing Demand charge for an Estimated Bill, the demand charge will be calculated based on the Customer's Load Split Methodology as following:

- For Customers whose allocation is subject to a Load Factor Sharing/LFS LSM, the estimated demand (kW) will be calculated based on an average of the Customer's Billing Demand (kW) values for the previous three (3) consecutive Billing Periods. If such historical data is not available, then the estimated demand (kW) value for the Estimated Bill will equal the Customer's Takedown (kW) amount.
- For Customers whose allocation is subject to a First through the Meter/ FTM, FTM Modified, or RP 2 LSM, the estimated demand (kW) value will equal the Customer's Takedown (kW) amount.

For the purpose of calculating a Billing Energy charge for an Estimated Bill, the energy charge will be calculated based on the Customer's Load Split Methodology as following:

- For Customers whose allocation is subject to a Load Factor Sharing/LFS LSM, the estimated energy (kWh) will be based on the average of the Customer's Billing Energy (kWh) values for the previous three (3) consecutive Billing Periods. If such historical data is not available, then the estimated energy value (kWh) will be equal to the Takedown (kW) amount at 70 percent load factor for that Billing Period.

- For Customers whose allocation is subject to a First through the Meter/FTM, FTM Modified, or RP 2 LSM, the estimated energy (kWh) will be equal to the Takedown (kW) amount at 100 percent load factor for that Billing Period.

If data indicating the Customer's actual demand and usage for any Billing Period in which an Estimated Bill was rendered is subsequently provided to the Authority, the Authority will make necessary adjustments to the corresponding Estimated Bill and, as appropriate, render a revised bill (or provide a credit) to the Customer.

The Minimum Monthly Charge provisions of Section III B.D. shall apply to Estimated Bills.

The Authority's discretion to render Estimated Bills is not intended to limit the Authority's rights under the Agreement.

F.Adjustments to Charges

In addition to any other adjustments provided for in this Service Tariff, in any Billing Period, the Authority may make appropriate adjustments to billings and charges to address such matters as billing and payment errors, the receipt of actual, additional, or corrected data concerning Customer energy or demand usage.

G.Billing Period

Any period of approximately thirty (30) days, generally ending with the last day of each calendar month but subject to the billing cycle requirements of the local electric utility in whose service territory the Customer's facilities are located.

H.Billing Demand

The billing demand shall be determined by applying the applicable billing methodology to total meter readings during the billing period. See Section IV.E, below.

I.Billing Energy

The billing energy shall be determined by applying the applicable billing methodology to total meter readings during the billing period. See Section IV.E, below.

J.Contract Demand

The contract demand of each Customer will be the amount of Expansion Power and/or Replacement Power, not to exceed their Allocation, provided to such Customer by the Authority in accordance with the Agreement.

IV. General Provisions

A. Character of Service

Alternating current; sixty cycles, three-phase.

B. Availability of Energy

1. Subject to Section IV.B.2, the Authority shall provide to the Customer in any billing period Firm Energy associated with Firm Power. The offer of Firm Energy for delivery shall fulfill the Authority's obligations for purposes of this provision whether or not the Firm Energy is taken by the Customer.
- 2.If, as a result of reduced water flows caused by hydrologic conditions, there is insufficient energy from the Hydro Projects to supply the full power and energy requirements of NYPA's Firm Power customers served from the Hydro Projects, hydropower curtailments (*i.e.* reductions) in the amount of Firm Power and Energy to which the Customer is entitled shall be applied on a *pro rata* basis to all Firm Power and Energy customers served from the Hydro Projects. Reductions as a percentage of the otherwise required Firm Power and Energy sales will be the same for all Firm Power and Energy customers served from the Hydro Projects. The Authority shall be under no obligation to deliver and will not deliver any such curtailed energy to the Customer in later billing periods. The Customer will receive appropriate bill credits as provided under the Rules.

C. Delivery

For the purpose of this Service Tariff, Firm Power and Firm Energy shall be deemed to be offered when the Authority is able to supply Firm Power and Firm Energy to the Authority's designated NYISO load bus. If, despite such offer, there is a failure of delivery caused by the Customer, NYISO or local electric utility, such failure shall not be subject to a billing adjustment pursuant to Section 454.6(d) of the Rules.

D. Adjustment of Rates

To the extent not inconsistent with the Agreement, the rates contained in this Service Tariff may be revised from time to time on not less than thirty (30) days written notice to the Customer.

E. Billing Methodology and Billing

Unless otherwise specified in the Agreement, the following provisions shall apply:

- 1.The billing methodology to be used to render bills to the Customer related to its Allocation shall be determined in accordance with the Agreement and delivery agreement between the Authority and, as applicable, the Customer or local electric utility or both.

2. **Billing Demand** –The Billing Demand charged by the Authority to each Customer will be the highest 15 or 30-minute integrated demand, as determined by the local utility, during each Billing Period recorded on the Customer’s meter multiplied by a percentage based on the Load Split Methodology provided for in any contract between the Authority and the Customer’s local electric utility, any contract between the Authority and the Customer, or any contract between the Authority, the Customer and the Customer’s local electric utility for delivery of WNY Power. Billing Demand may not exceed the amount of the Contract Demand.

3. **Billing Energy** –The kilowatt-hours charged by the Authority to each Customer will be the total number of kilowatt-hours recorded on the Customer’s meter for the Billing Period multiplied by a percentage based on the methodology provided for in any contract between the Authority and the Customer’s local electric utility for delivery of WNY Power.

F. Payment by Customer to Authority

1. Demand and Energy Charges, Taxes

The Customer shall pay the Authority for Firm Power and Energy during any billing period the higher of either (i) the sum of (a), (b) and (c) below or (ii) the monthly minimum charge as defined herein:

- a. The demand charge per kilowatt for Firm Power specified in this Service Tariff or any modification thereof applied to the Customer’s billing demand (as defined in Section IV.E, above) for the billing period; and
- b. The energy charge per MWh for Firm Energy specified in this Service Tariff or any modification thereof applied to the Customer’s billing energy (as defined in Section IV.E, above) for the billing period; and
- c. A charge representing reimbursement to the Authority for all applicable Taxes incurred by the Authority as a result of providing Expansion Power and/or Replacement Power allocated to the Customer.

2. Transmission Charge

The Customer shall compensate the Authority for all transmission costs incurred by the Authority with respect to the Allocation, including such costs that are charged pursuant to the OATT.

3. NYISO Transmission and Related Charges (“NYISO Charges”)

The Customer shall compensate the Authority for the following NYISO Charges assessed on the Authority for services provided by the NYISO pursuant to its OATT or other tariffs (as the provisions of those tariffs may be amended and in effect from time to time) associated with providing Electric Service to the Customer:

- A. Ancillary Services 1 through 6 and any new ancillary services as may be defined and included in the OATT from time to time;

B. Marginal losses;

- C. The New York Power Authority Transmission Adjustment Charge ("NTAC");
- D. Congestion costs, less any associated grandfathered Transmission Congestion Contracts ("TCCs") as provided in Attachment K of the OATT;
- E. Any and all other charges, assessments, or other amounts associated with deliveries to Customers or otherwise associated with the Authority's responsibilities as a Load Serving Entity for the Customers that are assessed on the Authority by the NYISO under the provisions of its OATT or under other applicable tariffs; and
- F. Any charges assessed on the Authority with respect to the provision of Electric Service to Customers for facilities needed to maintain reliability and incurred in connection with the NYISO's Comprehensive System Planning Process (or similar reliability-related obligations incurred by the Authority with respect to Electric Service to the Customer), applicable tariffs, or required to be paid by the Authority in accordance with law, regardless of whether such charges are assessed by the NYISO or another third party.

The NYISO Charges, if any, incurred by the Authority on behalf of the Customer, are in addition to the Authority production charges that are charged to the Customer in accordance with other provisions of this Service Tariff.

The method of billing NYISO charges to the Customer will be based on Authority's discretion.

4. Taxes Defined

Taxes shall be any adjustment as the Authority deems necessary to recover from the Customer any taxes, assessments or any other charges mandated by federal, state or local agencies or authorities that are levied on the Authority or that the Authority is required to collect from the Customer if and to the extent such taxes, assessments or charges are not recovered by the Authority pursuant to another provision of this Service Tariff.

5. Substitute Energy

The Customer shall pay for Substitute Energy, if applicable, as specified in the Agreement.

6. Payment Information

Bills computed under this Service Tariff are due and payable by electronic wire transfer in accordance with the Rules. Such wire transfer shall be made to J P Morgan Chase NY, NY / ABA021000021 / NYPA A/C # 008-030383, unless otherwise indicated in writing by the Authority. In the event that there is a dispute on any items of a bill rendered by the Authority, the Customer shall pay such bill in full. If necessary, any adjustments will be made thereafter.

G. Rendition and Payment of Bills

1. The Authority will render bills to the Customer for Electric Service on or before the tenth (10th) business day of the month for charges due for the previous Billing Period. Bills will reflect the amounts due and owing, and are subject to adjustment as provided for in the Agreement, Service Tariff No. WNY-1 and the Rules. Unless otherwise agreed to by the Authority and the Customer in writing, the Authority shall render bills to the Customer electronically.
2. Payment of bills by the Customer shall be due and payable by the Customer within twenty (20) days of the date the Authority renders the bill.
3. Except as otherwise agreed by the Authority in writing, if the Customer fails to pay any bill when due an interest charge of two percent of the amount unpaid will be added thereto as liquidated damages, and thereafter, as further liquidated damages, an additional interest charge of one and one-half percent of the sum unpaid shall be added on the first day of each succeeding Billing Period until the amount due, including interest, is paid in full.
4. If at any time after commencement of Electric Service the Customer fails to make complete payment of any two (2) bills for Electric Service when such bills become due pursuant to Agreement, the Authority shall have the right to require that the Customer deposit with the Authority a sum of money in an amount equal to all charges that would be due under this Agreement for Electric Service for two (2) consecutive calendar months as estimated by the Authority. Such deposit will be deemed security for the payment of unpaid bills and/or other claims of the Authority against the Customer upon termination of Electric Service. The failure or refusal of the Customer to provide the deposit within thirty (30) days of a request for such deposit will be grounds for the Authority in its sole discretion to suspend Electric Service to the Customer or terminate this Agreement.

H. Adjustment of Charges

1. Distribution Losses

The Authority will make appropriate adjustments to compensate for distribution losses of the local electric utility.

I. Conflicts

The Authority's Rules shall apply to the Electric Service provided under this Service Tariff. In the event of any inconsistencies, conflicts or differences between the provisions of this Service Tariff and the Rules, the provisions of this Service Tariff shall govern.

J. Customer Resales Prohibited

The Customer may not resell any quantity of Expansion Power and/or Replacement Power.

V. Annual Adjustment Factor

A. Adjustment of Rates

1. The AAF will be based upon a weighted average of three indices described below. For each new Rate Year, the index value for the latest available calendar year ("Index Value for the Measuring Year") will be compared to the index value for the calendar year immediately preceding the latest available calendar year (the Index Value for the Measuring Year -1"). The change for each index will then be multiplied by the indicated weights. As described in detail below, these products are then summed, producing the AAF. The AAF will be multiplied by the base rate for the current Rate Year to produce the base rates for the new Rate Year, subject to a maximum adjustment of $\pm 5.0\%$ (" $\pm 5\%$ Collar"). Amounts outside the $\pm 5\%$ Collar shall be referred to as the "Excess."

Index 1, "BLS Industrial Power Price" (35% weight): The average of the monthly Producer Price Index for Industrial Electric Power, commodity code number 0543, not seasonally adjusted, as reported by the U.S. Department of Labor, Bureau of Labor Statistics ("BLS") electronically on its internet site and consistent with its printed publication, "Producer Price Index Detailed Report". For Index 1, the Index Value for the Measuring Year will be the index for the calendar year immediately preceding July 1 of the new Rate Year.

Index 2, "EIA Average Industrial Power Price" (40% weight): The average weighted annual price (as measured in cents/kWh) for electric sales to the industrial sector in the ten states of CT, MA, ME, NH, NJ, NY, OH, PA, RI and VT ("Selected States") as reported by Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration ("EIA"); U.S. Department of Energy Form EIA-861 Final Data File. For Index 2, the Index Value for the Measuring Year will be the index for the calendar year two years preceding July 1 of the new Rate Year.

Index 3, "BLS Industrial Commodities Price Less Fuel" (25% weight): The monthly average of the Producer Price Index for Industrial Commodities less fuel, commodity code number 03T15M05, not seasonally adjusted, as reported by the U.S. Department of Labor, BLS electronically on its internet site and consistent with its printed publication, "Producer Price Index Detailed Report". For Index 3, the Index Value for the Measuring Year will be the index for the calendar year immediately preceding July 1 of the new Rate Year.

2. Annual Adjustment Factor Computation Guide

- Step 1: For each of the three Indices, divide the Index Value for Measuring Year by the Index Value for the Measuring Year-1.
- Step 2: Multiply the ratios determined in Step 1 by percentage weights for each Index. Sum the results to determine the weighted average. This is the AAF.
- Step 3: Commencing RY 2014, modifications to the AAF will be subject to $\pm 5\%$ Collar, as described below.
- a) When the AAF falls outside the $\pm 5\%$ Collar, the Excess will be carried over to the subsequent RY. If the AAF in the subsequent RY is within the $\pm 5\%$ Collar, the current RY Excess will be added to/subtracted from the subsequent Rate Year's AAF, up to the $\pm 5\%$ Collar.

- b) Excesses will continue to accrue without limit and carry over such that they will be added to/subtracted from the AAF in any year where the AAF is within the $\pm 5\%$ Collar.

Step 4: Multiply the current Rate Year base rate by the AAF calculated in Step 2 to determine the new Rate Year base rate.

The foregoing calculation shall be performed by the Authority consistent with the sample presented in Section V.B below.

3. The Authority shall provide the Customer with notice of any adjustment to the current base rate per the above and with all data and calculations necessary to compute such adjustment by June 15th of each year to be effective on July 1 of such year, commencing in 2014. The values of the latest officially published (electronically or otherwise) versions of the indices and data provided by the BLS and EIA as of June 1 shall be used notwithstanding any subsequent revisions to the indices.
4. If during the term of the Agreement any of the three above indices ceases to be available or ceases to be reflective of the relevant factors or of changes which the indices were intended by the Parties to reflect, the Customer and the Authority shall mutually select a substitute Index. The Parties agree to mutually select substitute indices within 90 days, once notified by the other party that the indices are no longer available or no longer reflect the relevant factors or changes with the indices were intended by the Parties to reflect. Should the 90-day period cover a planned July 1 rate change, the current base rates will remain in effect until substitute indices are selected and the adjusted rates based on the substitute indices will be retroactive to the previous July 1. If unable to reach agreement on substitute indices within the 90-day period, the Parties agree to substitute the mathematic average of the PPI—Intermediate Materials, Supplies and Components (BLS Series ID WPUSOP2000) and the PPI-- Finished Goods (BLS Series ID WPUSOP3000) indices for one or more indices that have ceased to be available and shall assume the percentage weighting(s) of the one or more discontinued indices as indicated in Section V.A.1.

B. Sample Computation of the AAF (hypothetical values for July 1, 2014 implementation):

STEP 1

Determine the Index Value for the Measuring Year (MY) and Measuring Year - 1 (MY-1) for Each Index

- Index 1 - Producer Price Index, Industrial Power

	Measuring Year <u>(2013)</u>	Measuring Year - 1 <u>(2012)</u>
January	171.2	167.8
February	172.8	167.6
March	171.6	168.2
April	173.8	168.6
May	175.1	171.6
June	185.7	180.1
July	186.4	182.7
August	184.7	179.2
September	185.5	181.8
October	175.5	170.2
November	172.2	168.8
December	171.8	166.6
Average	177.2	172.8
Ratio of MY/MY-1		1.03

• Index 2 – EIA Industrial Rate

<u>State</u>	<u>Revenues</u> (\$000s)	<u>Sales</u> (MWh)	<u>Avg. Rate</u> (cents/kWh)
<u>Measuring Year (2012)</u>			
CT	590,972	6,814,757	
MA	1,109,723	13,053,806	
ME	328,594	4,896,176	
NH	304,363	2,874,495	
NJ	1,412,665	15,687,873	
NY	2,001,588	26,379,314	
OH	3,695,978	78,496,166	
PA	3,682,192	63,413,968	
RI	152,533	1,652,593	
VT	<u>155,903</u>	<u>2,173,679</u>	
TOTAL	13,434,511	215,442,827	6.24
<u>Measuring Year -1 (2011)</u>			
CT	579,153	6,678,462	
MA	1,076,431	12,662,192	
ME	310,521	4,626,886	
NH	298,276	2,817,005	
NJ	1,370,285	15,217,237	
NY	1,891,501	24,928,452	
OH	3,622,058	76,926,243	
PA	3,571,726	61,511,549	
RI	144,144	1,561,700	
VT	<u>152,785</u>	<u>2,130,205</u>	
TOTAL	13,016,880	209,059,931	6.23
	Ratio of MY/MY-1		1.00

• Index 3 – Producer Price Index, Industrial Commodities Less Fuel

	Measuring Year <u>(2013)</u>	Measuring Year -1 <u>(2012)</u>
January	190.1	187.2
February	190.9	188.0
March	191.6	188.7
April	192.8	189.9
May	194.7	191.8
June	195.2	192.3
July	195.5	192.3
August	196.0	193.1
September	196.1	193.2
October	196.2	193.8
November	196.6	193.7
December	196.7	194.0
Average	194.4	191.5
Ratio of MY/MY-1		1.02

STEP 2

Determine AAF by Summing the Weighted Indices

<u>Index</u>	<u>Ratio of MY to MY-1</u>	<u>Weight</u>	<u>Weighted Factors</u>
PPI Industrial Power	1.03	0.35	0.361
EIA Industrial Rate	1.00	0.40	0.400
PPI Industrial Commodities less fuel	1.02	0.25	<u>0.255</u>
AAF			1.016

STEP 3

Apply Collar of ±5.0% to Determine the Maximum/Minimum AAF.

-5.0% < 1.6% < 5.0%; collar does not apply, assuming no cumulative excess.

STEP 4

Apply AAF to Calculate the New Rate Year Base Rate

	<u>Demand</u> \$/kW-mo.	<u>Energy</u> \$/MWh
Current Rate Year Base Rate	7.56	12.91
New Rate Year Base Rate	7.68	13.12

Date of Issue: September 24, 2013

Date Effective: October 2013 Billing Period

Issued by James F. Pasquale, Senior Vice President
Power Authority of the State of New York
30 South Pearl Street, Albany, NY 12207

POWER AUTHORITY

OF THE

STATE OF NEW YORK

30 South Pearl Street
10th Floor
Albany, New York 12207-3425

AGREEMENT FOR THE SALE
OF EXPANSION POWER AND/OR REPLACEMENT POWER
(CES)

to

GRAPHIC CONTROLS ACQUISITION CORP.

The POWER AUTHORITY OF THE STATE OF NEW YORK (“Authority”), created pursuant to Chapter 772 of the New York Laws of 1931 and existing under Title I of Article V of the New York Public Authorities Law (“PAL”), having its office and principal place of business at 30 South Pearl Street, 10th Floor, Albany, New York 12207-3425, hereby enters into this Agreement for the Sale of Expansion Power and/or Replacement Power (“Agreement”) with Graphic Controls Acquisition Corp. (“Customer”) with offices and principal place of business at 400 Exchange Street, Buffalo, NY 14204. The Authority and the Customer are from time to time referred to in this Agreement as “Party” or collectively as “Parties” and agree follows:

RECITALS

WHEREAS, the Authority is authorized to sell hydroelectric power produced by the Niagara Power Project, Federal Energy Regulatory Commission (“FERC”) Project No. 2216, known as “Expansion Power” (or “EP”), as further defined in this Agreement, to qualified businesses in New York State in accordance with PAL § 1005(5) and (13);

WHEREAS, the Authority is authorized to sell hydroelectric power produced by the Niagara Power Project, FERC Project No. 2216, known as “Replacement Power” (or “RP”), as further defined in this Agreement, to qualified businesses in New York State in accordance with PAL § 1005(5) and (13);

WHEREAS, EP consists of 250 megawatts (“MW”) of firm hydroelectric power and associated firm energy produced by the Niagara Power Project;

WHEREAS, RP consists of 445 MW of firm hydroelectric power and associated firm energy produced by the Niagara Power Project;

WHEREAS, the Authority is authorized pursuant to PAL § 1005(13)(a) to award EP and/or RP based on, among other things, the criteria listed in the PAL, including but not limited to an applicant’s long-term commitment to the region as evidenced by the current and planned capital investment; the type and number of jobs supported or created by the allocation; and the state, regional and local economic development strategies and priorities supported by local units of governments in the area in which the recipient’s facilities are located;

WHEREAS, the Customer applied to the Authority for an allocation of hydropower to support operations at a new and/or expanded facility to be constructed and operated by the Customer (defined in Section I of this Agreement as the “Facility”);

WHEREAS, on September 27, 2016, the Authority’s Board of Trustees (“Trustees”) approved an extension of the 120 kilowatt (“kW”) allocation of RP to the Customer through June 30, 2020 (defined in Section I of this Agreement as the “Allocation”) in connection with the construction and/or operation of the Facility as further described in this Agreement;

WHEREAS, on September 27, 2016, the Trustees authorized the Authority to, among other things, take any and all actions and execute and deliver any and all agreements and other documents necessary to effectuate its approval of the Allocation;

WHEREAS, the provision of Electric Service associated with the Allocation is an

unbundled service separate from the transmission and delivery of power and energy to the Customer, and delivery service will be performed by the Customer's local electric utility in accordance with the Utility Tariff;

WHEREAS, the Parties have reached an agreement on the sale of the Allocation to the Customer on the terms and conditions provided for in this Agreement;

WHEREAS, the Authority has complied with requirements of PAL § 1009 which specifies the approval process for certain contracts negotiated by the Authority; and

WHEREAS, the Governor of the State of New York has approved the terms of this Agreement pursuant to PAL § 1009(3).

NOW THEREFORE, in consideration of the mutual covenants herein, the Authority and the Customer agree as follows:

NOW THEREFORE, the Parties hereto agree as follows:

I. Definitions

- A. **Agreement** means this Agreement.
- B. **Allocation** refers to the allocation of EP and/or RP awarded to the Customer as specified in Schedule A.
- C. **Contract Demand** is as defined in Service Tariff No. WNY-1.
- D. **Electric Service** is the Firm Power and Firm Energy associated with the Allocation and sold by the Authority to the Customer in accordance with this Agreement, Service Tariff No. WNY-1 and the Rules.
- E. **Expansion Power** (or **EP**) is 250 MW of Firm Power and associated Firm Energy from the Project eligible to be allocated by the Authority for sale to businesses pursuant to PAL § 1005(5) and (13).
- F. **Facility** means the Customer's facilities as described in Schedule A to this Agreement.
- G. **Firm Power** is as defined in Service Tariff No. WNY-1.
- H. **Firm Energy** is as defined in Service Tariff No. WNY-1.
- I. **FERC** means the Federal Energy Regulatory Commission (or any successor organization).
- J. **FERC License** means the first new license issued by FERC to the Authority for the continued operation and maintenance of the Project, pursuant to Section 15 of the Federal Power Act, which became effective September 1, 2007 after expiration of the Project's original license which became effective in 1957.

- K. **Hydro Projects** is a collective reference to the Project and the Authority's St. Lawrence-FDR Project, FERC Project No. 2000.
- L. **Load Serving Entity** (or **LSE**) means an entity designated by a retail electricity customer (including the Customer) to provide capacity, energy and ancillary services to serve such customer, in compliance with NYISO Tariffs, rules, manuals and procedures.
- M. **NYISO** means the New York Independent System Operator or any successor organization.
- N. **NYISO Tariffs** means the NYISO's Open Access Transmission Tariff or the NYISO's Market Administration and Control Area Services Tariff, as applicable, as such tariffs are modified from time to time, or any successor to such tariffs.
- O. **Project** means the Niagara Power Project, FERC Project No. 2216.
- P. **Replacement Power** (or **RP**) is 445 MW of Firm Power and associated Firm Energy from the Project eligible to be allocated by the Authority for sale to businesses pursuant to PAL § 1005(5) and (13).
- Q. **Rules** are the applicable provisions of Authority's rules and regulations (Chapter X of Title 21 of the Official Compilation of Codes, Rules and Regulations of the State of New York), as may be modified from time to time by the Authority.
- R. **Service Tariff No. WNY-1** means the Authority's Service Tariff No. WNY-1, as may be modified from time to time by the Authority, which contains, among other things, the rate schedule establishing rates and other commercial terms for sale of Electric Service to Customer under this Agreement.
- S. **Schedule A** refers to the Schedule A entitled "Expansion Power and/or Replacement Power Allocations" which is attached to and made part of this Agreement.
- T. **Schedule B** refers to the Schedule B entitled "Expansion Power and/or Replacement Power Commitments" which is attached to and made part of this Agreement.
- U. **Schedule C** refers to the Schedule C entitled "Takedown Schedule" which is attached to and made part of this Agreement.
- V. **Schedule D** refers to the Schedule D entitled "Clean Energy Standard Cost Recovery Charges" which is attached to and made part of this Agreement.
- W. **Substitute Energy** means energy that the Authority provides at the request of the Customer to replace hydroelectricity that would otherwise have been supplied to the Customer under this Agreement. Unless otherwise agreed upon by the Parties, Substitute Energy refers to energy purchased by the Authority for the Customer from markets administered by the NYISO.

- X. **Taxes** is as defined in Service Tariff No. WNY-1.
- Y. **Unforced Capacity (or “UCAP”)** means the electric capacity required to be provided by LSEs to serve electric load as defined by the NYISO Tariffs, rules, manuals and procedures.
- Z. **Utility Tariff** means the retail tariff(s) of the Customer’s local electric utility filed and approved by the PSC applicable to the delivery of EP and/or RP.

II. Electric Service

- A. The Authority shall make available Electric Service to enable the Customer to receive the Allocation in accordance with this Agreement, Service Tariff No. WNY-1 and the Rules. The Customer shall not be entitled to receive Electric Service under this Agreement for any EP and/or RP allocation unless such EP and/or RP allocation is identified on Schedule A.
- B. The Authority will provide, and the Customer shall pay for, Electric Service with respect to the Allocation specified on Schedule A. If Schedule C specifies a Takedown Schedule for the Allocation, the Authority will provide, and the Customer shall take and pay for, Electric Service with respect to the Allocation in accordance with such Takedown Schedule.
- C. The Authority shall provide UCAP in amounts necessary to meet the Customer’s NYISO UCAP requirements associated with the Allocation in accordance with the NYISO Tariffs. The Customer shall be responsible to pay the Authority for such UCAP in accordance with Service Tariff No. WNY-1.
- D. The Customer acknowledges and agrees that Customer’s local electric utility shall be responsible for delivering the Allocation to the Facility specified in Schedule A, and that the Authority has no responsibility for delivering the Allocation to the Customer.
- E. The Contract Demand for the Customer’s Allocation may be modified by the Authority if the amount of Firm Power and Firm Energy available for sale as EP or RP from the Project is modified as required to comply with any ruling, order, or decision of any regulatory or judicial body having jurisdiction, including but not limited to FERC. Any such modification will be made on a pro rata basis to all EP and RP customers, as applicable, based on the terms of such ruling, order, or decision.
- F. The Contract Demand may not exceed the Allocation.

III. Rates, Terms and Conditions

- A. Electric Service shall be sold to the Customer based on the rates, terms and conditions provided for in this Agreement, Service Tariff No. WNY-1 and the Rules.
- B. Notwithstanding any provision of this Agreement to the contrary, the power and energy rates for Electric Service shall be subject to increase by Authority at any time upon 30

days prior written notice to Customer if, after consideration by Authority of its legal obligations, the marketability of the output or use of the Project and Authority's competitive position with respect to other suppliers, Authority determines in its discretion that increases in rates obtainable from any other Authority customers will not provide revenues, together with other available Authority funds not needed for operation and maintenance expenses, capital expenses, and reserves, sufficient to meet all requirements specified in Authority's bond and note resolutions and covenants with the holders of its financial obligations. Authority shall use its best efforts to inform Customer at the earliest practicable date of its intent to increase the power and energy rates pursuant to this provision. Any rate increase to Customer under this subsection shall be on a non-discriminatory basis as compared to other Authority customers after giving consideration to the factors set forth in the first sentence of this subsection. With respect to any such increase, Authority shall forward to Customer with the notice of increase, an explanation of all reasons for the increase, and shall also identify the sources from which Authority will obtain the total of increased revenues and the bases upon which Authority will allocate the increased revenue requirements among its customers. Any such increase in rates shall remain in effect only so long as Authority determines such increase is necessary to provide revenues for the purposes stated in the preceding sentences.

- C. In addition to all other fees, assessments and charges provided for in the Agreement, Service Tariff WNY-1 and the Rules, Electric Service shall be subject to the Clean Energy Standard Cost Recovery Charges provided for in Schedule D.

IV. Expansion Power and/or Replacement Power Commitments

- A. Schedule B sets forth the Customer's specific "Expansion Power and/or Replacement Power Commitments." The commitments agreed to in Schedule B are in addition to any other rights and obligations of the Parties provided for in the Agreement.
- B. The Authority's obligation to provide Electric Service under this Agreement, and the Customer's obligation to take and pay for such Electric Service, are expressly conditioned upon the Customer's timely completion of the commitments described in Schedule B.
- C. In the event of partial completion of the Facility which has resulted in such Facility being partly operational and the partial attainment of the Base Employment Level, the Authority may, upon the Customer's request, provide Electric Service to the Customer in an amount determined by the Authority to fairly correspond to the completed portion of the Facility, provided that the Customer demonstrates that the amount of requested Electric Service is needed to support the operations of the partially completed Facility.
- D. The Customer shall give the Authority not less than ninety (90) days' advance notice in writing of the anticipated date of partial or full completion of the Facility. The Authority will inspect the Facility for the purpose of verifying the completion status of the Facility and notify Customer of the results of the inspection. The Authority will thereafter commence Electric Service within a reasonable time after verification based on applicable operating procedures of the Authority, the Customer's local electric utility and the NYISO.

V. Rules and Service Tariff

Service Tariff No. WNY-1, as may be modified or superseded from time to time by the Authority, is hereby incorporated into this Agreement with the same force and effect as if set forth herein at length. In the event of any inconsistencies, conflicts, or differences between the provisions of Service Tariff No. WNY-1 and the Rules, the provisions of Service Tariff No. WNY-1 shall govern. In the event of any inconsistencies, conflicts or differences between the provisions of this Agreement and Service Tariff No. WNY-1, the provisions of this Agreement shall govern.

VI. Transmission and Delivery of Firm Power and Firm Energy; Responsibility for Charges

- A. The Customer shall be responsible complying with all requirements of its local electric utility that are necessary to enable the Customer to receive delivery service for the Allocation. Delivery of the Allocation shall be subject to the Utility Tariff.
- B. The Customer shall be solely responsible for paying its local electric utility for delivery service associated with the Allocation in accordance with the Utility Tariff. Should the Authority incur any charges associated with such delivery service, the Customer shall reimburse the Authority for all such charges.
- C. The Customer understands and acknowledges that delivery of the Allocation will be made over transmission facilities under the control of the NYISO. The Authority will act as the LSE with respect to the NYISO, or arrange for another entity to do so on the Authority's behalf. The Customer agrees and understands that it shall be responsible to the Authority for all costs incurred by the Authority with respect to the Allocation for the services established in the NYISO Tariff, or other applicable tariff ("NYISO Charges"), as set forth in Service Tariff No. WNY-1 or any successor service tariff, regardless of whether such NYISO Charges are transmission-related. Such NYISO Charges shall be in addition to the charges for power and energy.
- D. By entering into this Agreement, the Customer consents to the exchange of information between the Authority and the Customer's local electric utility pertaining to the Customer that the Authority and the local electric utility determine is necessary to provide for the Allocation, sale and delivery of EP and/or RP to the Customer, the proper and efficient implementation of the EP and/or RP programs, billing related to EP and/or RP, and/or the performance of such parties' obligations under any contracts or other arrangements between them relating to such matters.
- E. The provision of Electric Service by the Authority shall be dependent upon the existence of a written agreement or other form of understanding between the Authority and the Customer's local electric utility on terms and conditions that are acceptable to the Authority.
- F. The Customer understands and acknowledges that the Authority may from time to time require the Customer to complete forms, provide documentation, execute consents and provide other information (collectively, "Information") which the Authority determines is necessary for the provision of Electric Service, the delivery of EP and/or RP, billing

related to the EP and/or RP program, the effective and proper administration of the EP and/or RP program, and/or the performance of contracts or other arrangements between the Authority and the Customer's local electric utility. The Customer's failure to provide such Information shall be grounds for the Authority in its sole discretion to withhold or suspend Electric Service to the Customer.

VII. Billing and Billing Methodology

- A. The billing methodology for the Allocation shall be determined on a "load factor sharing" basis in a manner consistent with the Utility Tariff and any agreement between the Authority and the Customer's local electric utility. An alternative basis for billing may be used provided the Parties agree in writing and the local electric utility provides its consent if such consent is deemed necessary.
- B. The Authority will render bills by the 10th business day of the month for charges due for the previous month. Such bills shall include charges for Electric Service, NYISO Charges associated with the Allocation (subject to adjustment consistent with any later NYISO re-billings to the Authority), and other applicable charges.
- C. The Authority may render bills to the Customer electronically.
- D. The Authority and the Customer may agree in writing to an alternative method for the rendering of bills and for the payment of bills, including but not limited to the use of an Authority-established customer self-service web portal.
- E. The Authority will charge and collect from the Customer all Taxes (including local, state and federal taxes) the Authority determines are applicable, unless the Customer furnishes the Authority with proof satisfactory to the Authority that (i) the Customer is exempt from the payment of any such Taxes, and/or (ii) the Authority is not obligated to collect such Taxes from the Customer. If the Authority is not collecting Taxes from the Customer based on the circumstances described in (i) or (ii) above, the Customer shall immediately inform the Authority of any change in circumstances relating to its tax status that would require the Authority to charge and collect such Taxes from the Customer.
- F. Unless otherwise agreed to by the Authority and the Customer in writing, if the Customer fails to pay any bill when due, an interest charge of two percent (2%) of the amount unpaid shall be added thereto as liquidated damages, and thereafter, as further liquidated damages, an additional interest charge of one and one-half percent (1 1/2%) of the sum unpaid shall be added on the first day of each succeeding billing period until the amount due, including interest, is paid in full.
- G. Unless otherwise agreed to by the Authority and the Customer in writing, in the event the Customer disputes any item of any bill rendered by Authority, the Customer shall pay such bill in full within the time provided for by this Agreement, and adjustments, if appropriate, will be made thereafter.
- H. If at any time after commencement of Electric Service the Customer fails to make complete and timely payment of any two (2) bills for Electric Service, the Authority shall

have the right to require the Customer to deposit with the Authority a sum of money in an amount equal to all charges that would be due under this Agreement for Electric Service for two (2) consecutive calendar months as estimated by the Authority. Such deposit shall be deemed security for the payment of unpaid bills and/or other claims of the Authority against the Customer upon termination of Electric Service. If the Customer fails or refuses to provide the deposit within thirty (30) days of a request for such deposit, the Authority may, in its sole discretion, suspend Electric Service to the Customer or terminate this Agreement.

- I. All other provisions with respect to billing are set forth in Service Tariff No. WNY-1 and the Rules.
- J. The rights and remedies provided to the Authority in this Article are in addition to any and all other rights and remedies available to Authority at law or in equity.

VIII. Hydropower Curtailments and Substitute Energy

- A. If, as a result of reduced water flows caused by hydrologic conditions, there is insufficient energy from the Hydro Projects to supply the full power and energy requirements of the Authority's firm power customers served by the Authority from the Hydro Projects, curtailments (*i.e.* reductions) in the amount of Firm Power and Firm Energy associated with the Allocation to which the Customer is entitled shall be applied on a *pro rata* basis to all firm power and energy customers served from the Hydro Projects, consistent with Service Tariff No. WNY-1 as applicable.
- B. The Authority shall provide reasonable notice to Customer of any curtailments referenced in Section VIII.A of this Agreement that could impact Customer's Electric Service under this Agreement. Upon written request by the Customer, the Authority will provide Substitute Energy to the Customer to replace the Firm Power and Firm Energy that would otherwise have been supplied pursuant to this Agreement.
- C. For each kilowatt-hour of Substitute Energy supplied by the Authority, the Customer will pay the Authority directly during the billing month: (1) the difference between the market cost of the Substitute Energy and the charge for firm energy as provided for in this Agreement; and (2) any NYISO charges and taxes the Authority incurs in connection with the provision of such Substitute Energy. Billing and payment for Substitute Energy shall be governed by the Billing and Payments provision of the Authority's Rules (Section 454.6) and shall apply directly to the Substitute Energy service supplied to the Customer.
- D. The Parties may enter into a separate agreement to facilitate the provision of Substitute Energy, provided, however, that the provisions of this Agreement shall remain in effect notwithstanding any such separate agreement. The provision of Substitute Energy may be terminated by the Authority or the Customer on fifteen (15) days' prior written notice.

IX. Effectiveness, Term and Termination

- A. This Agreement shall become effective and legally binding on the Parties upon execution of this Agreement by the Authority and the Customer.
- B. Once commenced, Electric Service under the Agreement shall continue until the earliest of: (1) termination by the Customer with respect to its Allocation upon ninety (90) days prior written notice to the Authority; (2) termination by the Authority pursuant to this Agreement, Service Tariff No. WNY-1, or the Rules; or (3) expiration of the Allocation by its own term as specified in Schedule A.
- C. The Customer may exercise a partial termination of the Allocation upon at least thirty (30) days' notice prior written notice to the Authority. The termination shall be effective commencing with the first billing period as defined in Service Tariff No. WNY-1.
- D. The Authority may cancel service under this Agreement or modify the quantities of Firm Power and Firm Energy associated with the Allocation: (1) if such cancellation or modification is required to comply with any final ruling, order or decision of any regulatory or judicial body of competent jurisdiction (including any licensing or re-licensing order or orders of the FERC or its successor agency); or (2) as otherwise provided in this Agreement, Service Tariff No. WNY-1, or the Rules.

X. Additional Allocations

- A. Upon proper application by the Customer, the Authority may in its discretion award additional allocations of EP or RP to the Customer at such rates and on such terms and conditions as the Authority establishes. If the Customer agrees to purchase Electric Service associated with any such additional allocation, the Authority will (i) incorporate any such additional allocations into Schedule A, or in its discretion will produce a supplemental schedule, to reflect any such additional allocations, and (ii) produce a modified Appendix to Schedule B, as the Authority determines to be appropriate. The Authority will furnish the Customer with any such modified Schedule A, supplemental schedule, and/or a modified Appendix to Schedule B, within a reasonable time after commencement of Electric Service for any such additional allocation.
- B. In addition to any requirements imposed by law, the Customer hereby agrees to furnish such documentation and other information as the Authority requests to enable the Authority to evaluate any requests for additional allocations and consider the terms and conditions that should be applicable of any additional allocations.

XI. Notification

- A. Correspondence involving the administration of this Agreement shall be addressed as follows:

To: The Authority

New York Power Authority
123 Main Street
White Plains, New York 10601
Email:
Facsimile: _____
Attention: Manager – Business Power Allocations and Compliance

To: The Customer

Graphic Controls Acquisition Corp.
400 Exchange Street
Buffalo, NY 14204
Email:
Facsimile:
Attention:

The foregoing notice/notification information pertaining to either Party may be changed by such Party upon notification to the other Party pursuant to Section XI.B of this Agreement.

- B. Except where otherwise herein specifically provided, any notice, communication or request required or authorized by this Agreement by either Party to the other shall be deemed properly given: (1) if sent by U.S. First Class mail addressed to the Party at the address set forth above; (2) if sent by a nationally recognized overnight delivery service, two (2) calendar days after being deposited for delivery to the appropriate address set forth above; (3) if delivered by hand, with written confirmation of receipt; (4) if sent by facsimile to the appropriate fax number as set forth above, with written confirmation of receipt; or (5) if sent by electronic mail to the appropriate address as set forth above, with written confirmation of receipt. Either Party may change the addressee and/or address for correspondence sent to it by giving written notice in accordance with the foregoing.

XII. Applicable Law

This Agreement shall be governed by and construed in accordance with the laws of the State of New York to the extent that such laws are not inconsistent with the FERC License and the Niagara Redevelopment Act (16 USC §§836, 836a).

XIII. Venue

Each Party consents to the exclusive jurisdiction and venue of any state or federal court within or for Albany County, New York, with subject matter jurisdiction for adjudication

of any claim, suit, action or any other proceeding in law or equity arising under, or in any way relating to this Agreement.

XIV. Successors and Assigns; Resale of Hydropower

- A. The Customer may not assign or otherwise transfer an interest in this Agreement.
- B. The Customer may not resell or allow any other person to use any quantity of EP and/or RP it has purchased from the Authority under this Agreement.
- C. Electric Service sold to the Customer pursuant to this Agreement may only be used by the Customer at the Facility specified in Schedule A.

XV. Previous Agreements and Communications

- A. This Agreement shall constitute the sole and complete agreement of the Parties hereto with respect to the subject matter hereof, and supersedes all prior negotiations, representations, warranties, commitments, offers, contracts and writings, written or oral, with respect to the subject matter hereof.
- B. Except as otherwise provided in this Agreement, no modification of this Agreement shall be binding upon the Parties hereto or either of them unless such modification is in writing and is signed by a duly authorized officer of each of them.

XVI. Severability and Voidability

- A. If any term or provision of this Agreement shall be invalidated, declared unlawful or ineffective in whole or in part by an order of the FERC or a court of competent jurisdiction, such order shall not be deemed to invalidate the remaining terms or provisions hereof.
- B. Notwithstanding the preceding paragraph, if any provision of this Agreement is rendered void or unenforceable or otherwise modified by a court or agency of competent jurisdiction, the entire Agreement shall, at the option of either Party and only in such circumstances in which such Party's interests are materially and adversely impacted by any such action, be rendered void and unenforceable by such affected Party.

XVII. Waiver

- A. Any waiver at any time by either the Authority or the Customer of their rights with respect to a default or of any other matter arising out of this Agreement shall not be deemed to be a waiver with respect to any other default or matter.
- B. No waiver by either Party of any rights with respect to any matter arising in connection with this Agreement shall be effective unless made in writing and signed by the Party making the waiver.

XVIII. Execution

To facilitate execution, this Agreement may be executed in as many counterparts as may be required, and it shall not be necessary that the signatures of, or on behalf of, each Party, or that the signatures of all persons required to bind any Party, appear on each counterpart; but it shall be sufficient that the signature of, or on behalf of, each Party, or that the signatures of the persons required to bind any Party, appear on one or more of the counterparts. All counterparts shall collectively constitute a single agreement. It shall not be necessary in making proof of this Agreement to produce or account for more than a number of counterparts containing the respective signatures of, or on behalf of, all of the Parties hereto. The delivery of an executed counterpart of this Agreement by email as a PDF file shall be legal and binding and shall have the same full force and effect as if an original executed counterpart of this Agreement had been delivered.

[SIGNATURES FOLLOW ON NEXT PAGE]

AGREED:

GRAPHIC CONTROLS ACQUISITION CORP.

By: _____

Title: _____

Date: _____

AGREED:

POWER AUTHORITY OF THE STATE OF NEW YORK

By: _____
John R. Koelmel, Chairman

Date: _____

SCHEDULE A TO AGREEMENT FOR THE SALE OF EXPANSION POWER AND/OR REPLACEMENT POWER (CES)

EXPANSION POWER AND/OR REPLACEMENT POWER ALLOCATIONS

Customer: Graphic Controls Acquisition Corp.				
Type of Allocation	Allocation Amount (kW)	Facility	Trustee Approval Date	Expiration Date
Replacement Power	120	400 Exchange Street Buffalo, NY 14204	September 27, 2016	June 30, 2020

**SCHEDULE B TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

EXPANSION POWER AND/OR REPLACEMENT POWER COMMITMENTS

I. Employment Commitments

A. Employment Levels

The provision of EP and/or RP to the Customer hereunder is in consideration of, among other things, the Customer's creation and/or maintenance of the employment level set forth in the Appendix of this Schedule (the "Base Employment Level"). Such Base Employment Level shall be the total number of full-time positions held by: (1) individuals who are employed by the Customer at Customer's Facility identified in the Appendix to this Schedule, and (2) individuals who are contractors or who are employed by contractors of the Customer and assigned to the Facility identified in such Appendix (collectively, "Base Level Employees"). The number of Base Level Employees shall not include individuals employed on a part-time basis (less than 35 hours per week); provided, however, that two individuals each working 20 hours per week or more at such Facility shall be counted as one Base Level Employee.

The Base Employment Level shall not be created or maintained by transfers of employees from previously held positions with the Customer or its affiliates within the State of New York, except that the Base Employment Level may be filled by employees of the Customer laid off from other Customer facilities for *bona fide* economic or management reasons.

The Authority may consider a request to change the Base Employment Level based on a claim of increased productivity, increased efficiency or adoption of new technologies or for other appropriate reasons as determined by the Authority. Any such change shall be within Authority's sole discretion.

B. Employment Records and Reports

A record shall be kept monthly by the Customer, and provided on a calendar year basis to the Authority, of the total number of Base Level Employees who are employed at or assigned to the Customer's Facility identified in the Appendix to this Schedule, as reported to the United States Department of Labor (or as reported in such other record as agreed upon by the Authority and the Customer). Such report shall separately identify the individuals who are employed by the Customer, and the individuals who are contractors or who are employed by contractors of the Customer, and shall be certified to be correct by an officer of the Customer, plant manager or such other person authorized by the Customer to prepare and file such report and shall be provided to the Authority on or before the last day of February following the end of the most recent calendar year. The Authority shall have the right to examine and audit on reasonable advance written notice

all non-confidential written and electronic records and data concerning employment levels including, but not limited to, personnel records and summaries held by the Customer and its affiliates relating to employment in New York State.

II. Reductions of Contract Demand

A. Employment Levels

If the year-end monthly average number of employees is less than 90% of the Base Employment Level set forth in this Schedule B, for the subject calendar year, the Authority may reduce the Contract Demand subject to Article II.D of this Schedule. The maximum amount of reduction will be determined by multiplying the Contract Demand by the quantity one minus the quotient of the average monthly employment during the subject calendar year divided by the Base Employment Level. Any such reduction shall be rounded to the nearest fifty (50) kW. In the event of a reduction of the Contract Demand to zero, the Agreement shall automatically terminate.

B. Power Utilization Levels

A record shall be kept monthly by the Customer, and provided on a calendar year basis to the Authority on or before the last day of February following the end of the most recent calendar year, of the maximum demand utilized each month in the Facility receiving the power covered by the Agreement. If the average of the Customer's six (6) highest Billing Demands (as such term is described in Service Tariff No. WNY-1) for Expansion Power and/or Replacement Power is less than 90% of the Customer's Contract Demand in such calendar year the Authority may reduce the Contract Demand subject to Article II.D of this Schedule. The maximum amount by which the Authority may reduce the Contract Demand shall be determined by multiplying the Contract Demand by the quantity one minus the quotient of the average of the six (6) highest Billing Demands for in such calendar year divided by the Contract Demand. Any such reduction shall be rounded to the nearest fifty (50) kW. In the event of a reduction of the Contract Demand to zero, this Agreement shall automatically terminate.

C. Capital Investment

The Customer agrees to undertake the capital investment set forth in the Appendix to this Schedule.

Notwithstanding any other provision of the Agreement, the Customer shall provide the Authority with such access to the Facility, and such documentation, as the Authority deems necessary to determine the Customer's compliance with the Customer's obligations provided for in this Schedule B.

D. Notice of Intent to Reduce Contract Demand

In the event that the Authority determines that the Contract Demand will be wholly or partially reduced pursuant to this Schedule , the Authority shall provide the Customer with at least thirty (30) days prior written notice of such reduction, specifying the amount of the reduction of Contract Demand and the reason for the reduction, provided, however, that before making the reduction, the Authority may consider the Customer's scheduled or unscheduled maintenance or Facility upgrading periods when such events temporarily reduce plant employment levels or electrical demand as well as business cycle.

III. Energy Efficiency Audits; Information Requests

Unless otherwise agreed to by the Authority in writing, the Customer shall undergo an energy efficiency audit of its Facility and equipment at which the Allocation is consumed at the Customer's expense at least once during the term of this Agreement but in any event not less than once every five years. The Customer will provide the Authority with a copy of the audit or, at the Authority's option, a report describing the results of the audit, and provide documentation requested by the Authority to verify the implementation of any efficiency measures implemented at the Facility.

The Customer agrees to cooperate to make its Facility available at reasonable times and intervals for energy audits and related assessments that the Authority desires to perform, if any, at the Authority's own expense.

The Customer shall provide information requested by the Authority or its designee in surveys, questionnaires and other information requests relating to energy efficiency and energy-related projects, programs and services.

The Customer may, after consultation with the Authority, exclude from written copies of audits, reports and other information provided to the Authority under this Article trade secrets and other information which if disclosed would harm the competitive position of the Customer.

APPENDIX TO SCHEDULE B

BASE EMPLOYMENT LEVEL

The Customer shall employ at least 290 full-time employees (“Base Employment Level”) at the Customer’s Facility. The Base Employment Level shall be maintained for the term of the Allocation in accordance with Article I of Schedule B.

CAPITAL INVESTMENT

N/A

**SCHEDULE C TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

TAKEDOWN SCHEDULE

N/A

**SCHEDULE D TO AGREEMENT FOR THE SALE OF EXPANSION POWER
AND/OR REPLACEMENT POWER (CES)**

CLEAN ENERGY STANDARD COST RECOVERY CHARGES¹

1. Notwithstanding any other provision of the Agreement, or any provision of Service Tariff No. WNY-1 or the Rules, the Customer shall be subject to a (i) Zero Emission Credit (“ZEC”) Charge, and (ii) Renewable Energy Credit (“REC”) Charge (collectively, the “Clean Energy Standard Cost Recovery Charges”), as of the dates indicated herein. The Clean Energy Standard Cost Recovery Charges shall be in addition to all other fees, assessments and charges provided for in the Agreement, Service Tariff No. WNY-1 and the Rules.
2. The Clean Energy Standard Cost Recovery Charges have been developed to support the Clean Energy Standard (“CES”) established by the New York Public Service Commission (“PSC”) in an order entitled “Order Adopting a Clean Energy Standard, issued on August 1, 2016, in Case Nos. 15-E-0302 and 16-E-270 (the “CES Order”). The CES is intended to implement the clean energy goals of the State Energy Plan (“SEP”). The SEP’s goals are that 50% of New York’s consumed electricity is to be provided by renewable electricity sources of power by 2030, and to reduce statewide greenhouse gases by 40% by 2030.
3. As detailed in the CES Order, the PSC established a regulatory program (the “CES Program”) which imposes two requirements on load serving entities (“LSEs”) identified in the CES Order (hereinafter, “Affected LSEs”):
 - (1) An obligation to purchase “Zero Emission Credits” (“ZECs”) from the New York State Energy Research Development Authority (“NYSERDA”), in an amount representing the Affected LSE’s proportional share of ZECs calculated by the amount of electric load it serves in relation to the total electric load served by all LSEs in the New York Control area, to support the preservation of existing at risk nuclear zero emissions attributes (the “ZEC Purchase Obligation”). The ZEC Purchase Obligation is currently scheduled to commence on April 1, 2017, and will be implemented on the basis of program years running from April 1 through March 31 of each year (“ZEC Program Year”).
 - (2) An obligation to support renewable generation resources to serve the Affected LSE’s retail customers to be evidenced by the procurement of qualifying Renewable Energy Credits (“RECs”) in quantities that satisfy mandatory minimum percentage proportions of the total retail load served by the Affected LSE (the “REC Purchase Obligation”). Minimum purchase proportions for Affected LSEs for years 2017-2021 are specified in the CES Order, subject to

¹ Capitalized terms not defined in this Schedule D have the meaning ascribed to them in the Agreement, Service Tariff No. WNY-1, or the Rules.

adjustment after a 3-year look-back, and the PSC indicates it will adopt increasingly larger minimum purchase proportions for years 2022-2030. The REC Purchase Obligation is scheduled to commence January 1, 2017 and will be implemented on the basis of program years running from January 1 through December 31 of each year (“REC Program Year”).

4. The Authority is not subject to PSC jurisdiction for purposes of the CES Order. However, it supplies electricity to end-use customers throughout the State in a manner similar to an Affected LSE, and supports the clean energy goals of the SEP. Therefore, the Authority will participate in the CES Program as further explained herein by (i) assuming a ZEC Purchase Obligation, and (ii) adapting a form of the REC Purchase Obligation, through an Authority REC Program, to the end-user load for which the Authority serves as an LSE, including power sold under EP and RP Programs, for the purpose of implementing the CES and the SEP’s clean energy goals. The Authority’s participation in the CES Program as described will cause the Authority to incur costs. The ZEC Charge and the REC Charge are intended to recover from the Customer the costs the Authority will incur from purchasing ZECs and RECs that are attributable to Customer load served under this Agreement. By accepting Electric Service under the Agreement, the Customer agrees to reimburse the Authority for such costs through payment of the ZEC Charge and REC Charge.

5. ZEC Charge

a. The Authority anticipates the ZEC Charge to the Customer will be determined as follows, subject to the qualifications provided for in other provisions of this Schedule D:

i. The cost of the total ZEC Requirement for all LSEs in the New York Control Area, including the Authority as a participating LSE, will be assessed as described in the CES Order. The Authority will purchase its proportionate share of ZECs from NYSERDA. Its share will be based on the proportion of the forecasted total kilowatt-hours load served by the Authority (total Authority LSE load) in relation to the forecasted total kilowatt-hours load served by all LSEs in the New York Control Area as provided in the CES Order. The Authority anticipates that LSE ZEC Purchase Obligations will be based on initial forecasts with reconciliations made at the end of each ZEC Program Year by NYSERDA.

ii. The Authority will allocate costs from its ZEC Purchase Obligation between its power programs/load for which it serves as LSE, including the EP and RP Programs (the “EP and RP Programs ZEC Cost”). Such allocation will be based on the forecasted kilowatt-hours load of the EP and RP Programs to be served by the Authority in relation to the forecasted total kilowatt-hours load served by the Authority (total Authority LSE load) for the ZEC Program Year. In addition, any balance resulting from the ZEC Program Year-end reconciliation of the ZEC Purchase Obligation would be allocated to the EP

and RP Programs based on the proportion of the actual annual kilowatt-hours load served under such Programs to total actual annual kilowatt-hours load served by the Authority (total Authority LSE load).

- iii. The Authority will allocate a portion of the EP and RP Programs ZEC Cost to the Customer as the ZEC Charge based on the proportion of the Customer's actual kilowatt-hours load for the EP and/or RP purchased by the Customer to total kilowatt-hours load served by the Authority under the EP and RP Programs (EP and RP Programs level load). In addition, any balance resulting from the ZEC Program Year-end reconciliation of the ZEC Purchase Obligation mentioned above will be passed through to the Customer based on the proportion of the Customer's annual kilowatt-hours load purchased under this Agreement to total annual kilowatt-hours load served under the EP and RP Program by the Authority (EP and RP Programs level load).
- b. The ZEC Charge shall apply to the sale of EP and/or RP sold under this Agreement on and after April 1, 2017, unless by written notice the Authority specifies that the ZEC Charge shall apply to sales of EP and/or RP commencing on a later date.

6. REC Charge

- a. The Authority anticipates the REC Charge to the Customer will be determined as follows, subject to the qualifications provided for in other provisions of this Schedule D:
 - i. Under the Authority REC Program, the Authority will, at a minimum, secure a sufficient number of RECs as required by the REC Purchase Obligation to cover the Customer's load based on the percent of the Customer's kilowatt-hour load as prescribed in the CES Order. The Authority will purchase RECs from NYSERDA or secure qualified RECs from one or more other sources in the Authority's discretion.
 - ii. The Authority may, in its sole discretion, as part of the Authority REC Program, offer the Customer a "customer choice component" that would allow the Customer to elect one or more options in connection with the REC Purchase Obligation, such as (but not necessarily limited to) the following: (a) designate the Authority to secure RECs for the Customer's load, and pay the Authority the REC Charge; (b) purchase the required number of qualifying RECs itself pursuant to an authorized Authority-developed process, thereby avoiding payment of the standard REC Charge; or (c) make a form of Alternative Compliance Payments ("ACPs") as calculated by the Authority pursuant to an authorized Authority-developed process.
 - iii. The costs incurred by the Authority under the Authority REC Program that are attributable to the Customer's load will be passed on to the Customer as the

REC Charge. Depending on the availability of the Customer's kilowatt-hour load information and other data from third-party sources, the Customer will either be billed for actual costs or estimated costs subject to reconciliation adjustments.

- c. The REC Charge shall apply to the sale of EP and/or RP sold under this Agreement on and after January 1, 2017, unless by written notice the Authority specifies that the REC Charge shall apply to sales of EP and/or RP commencing on a later date.
7. The Authority may, in its discretion, provide the Customer with additional information relating to the determination of the Clean Energy Standard Cost Recovery Charges by notice prior to the first billing of either charge, at the time of the first billing of either charge, or in another appropriate manner determined by the Authority.
8. The Authority may, in its sole discretion, modify the manner in which it participates in the CES Program, upon consideration of such matters as PSC orders modifying or implementing the CES Order and CES Program, guidance issued by the Department of Public Service, the Authority's legal and financial obligations and policies, changes of law, and other information the Authority determines to be appropriate.
9. The Authority may, in its sole discretion, include the Clean Energy Standard Cost Recovery Charges as part of the bills that are rendered pursuant to Article VII of the Agreement, or bill the Customer for such Charges pursuant to another procedure to be established by the Authority.
10. The Authority may, in its sole discretion, modify the methodology used for determining the Clean Energy Standard Cost Recovery Charges and the procedures used to implement such charges, upon consideration of such matters as PSC orders modifying or implementing the CES Order and CES Program, guidance issued by the Department of Public Service, and any other matter the Authority determines to be appropriate to the determination of such methodology.
11. Nothing in this Schedule D shall limit or otherwise affect the Authority's right to: (a) charge or collect from the Customer, any rate, charge, fee, assessment, or tax provided for under any other provision of the Agreement, or any provision of Service Tariff No. WNY-1 or the Rules; or (b) charge the Customer, or recover from the Customer for, any cost, expense or other liability to the Authority resulting from any statutory enactment, or any action of the PSC or other governmental authority relating to the SEP or CES.



POWER AUTHORITY OF THE STATE OF NEW YORK
30 SOUTH PEARL STREET
ALBANY, NY 12207

Schedule of Rates for Sale of Firm Power to Expansion and
Replacement Customers located
In Western New York

Service Tariff No. WNY-1

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Schedule of Rates for Firm Power Service

I. Applicability

To sales of Expansion Power and/or Replacement Power (as defined below) directly to a qualified business Customer (as defined below) for firm power service.

II. Abbreviations and Terms

- kW kilowatt(s)
- kW-mo. kilowatt-month
- kWh kilowatt-hour(s)
- MWh megawatt-hour(s)
- NYISO New York Independent System Operator, Inc. or any successor organization
- PAL New York Public Authorities Law
- OATT Open Access Transmission Tariff

Agreement: An executed “Agreement for the Sale of Expansion and/or Replacement Power and Energy” between the Authority and the Customer (each as defined below).

Annual Adjustment Factor or **AAF:** This term shall have the meaning set forth in Section V herein.

Authority: The Power Authority of the State of New York, a corporate municipal instrumentality and a political subdivision of the State of New York created pursuant to Chapter 772 of the New York Laws of 1931 and existing and operating under Title 1 of Article 5 of the PAL, also known as the “New York Power Authority.”

Customer: A business customer who has received an allocation for Expansion Power and/or Replacement Power from the Authority and who purchases Expansion Power and/or Replacement Power directly from the Authority.

Electric Service: The power and energy provided to the Customer in accordance with the Agreement, this Service Tariff and the Rules.

Expansion Power and/or **Replacement Power:** Firm Power and Firm Energy made available under this Service Tariff by the Authority from the Project for sale to the Customer for business purposes pursuant to PAL § 1005(5) and (13).

Firm Power: Capacity (kW) that is intended to be always available from the Project subject to the curtailment provisions set forth in the Agreement between the Authority and the Customer and this Service Tariff. Firm Power shall not include peaking power.

Firm Energy: Energy (kWh) associated with Firm Power.

Load Serving Entity or **LSE**: This term shall have the meaning set forth in the Agreement.

Load Split Methodology or **LSM**: A load split methodology applicable to a Customer's allocation. It is usually provided for in an agreement between the Authority and the Customer's local electric utility, an agreement between the Authority and the Customer, or an agreement between the Authority, the Customer and the Customer's local electric utility, or such local utility's tariff, regarding the delivery of WNY Firm Power. The load split methodology is often designated as "Load Factor Sharing" or "LFS", "First through the Meter" or "FTM", "First through the Meter Modified" or "FTM Modified", or "Replacement Power 2" or "RP 2".

Project: The Authority's Niagara Power Project, FERC Project No. 2216.

Rate Year or **RY**: The period from July 1 through June 30 starting July 1, 2013, and for any year thereafter.

Rules: The Authority's rules and regulations set forth in 21 NYCRR § 450 *et seq.*, as they may be amended from time to time.

Service Tariff: This Service Tariff No. WNY-1.

Target Rate: This term shall have the meaning set forth in Section III herein.

All other capitalized terms and abbreviations used but not defined herein shall have the same meaning as set forth in the Agreement.

III. Monthly Rates and Charges

A. Expansion Power (EP) and Replacement Power (RP) Base Rates

Beginning on July 1, 2013, there will be a 3-year phase-in to new base rates. The phase-in will be determined by the rate differential between the 2012 EP/RP rates and a "Target Rate." The Target Rate, specified in Section III.A.1. below, is based on the rates determined by the Authority to be applicable in RY 2013 for sales of "preservation power" as that term is defined in PAL § 1005(13). The following Sections III.A.1-4 describe the calculation and implementation of the phase-in.

1. The initial rate point will be established by the EP/RP rates (\$/kW and \$/MWh), determined by mid-April 2012 and made effective on May 1, 2012 in accordance with the Authority's then-applicable EP and RP tariffs. The Target Rate (*i.e.* demand and energy rates) for RY 2013 shall be \$7.99/kW and \$13.66/MWh.
2. The difference between the two rate points is calculated and divided by 3 to correspond with the number of Rate Years over which the phase-in will occur. The resulting quotients (in \$/kW and \$/MWh) are referred to as the "annual increment."
3. The annual increment will be applied to the base rates for the 3-year period of the 2013, 2014 and 2015 Rate Years, which shall be as follows:

RY 2013: July 1, 2013 to June 30, 2014

RY 2014: July 1, 2014 to June 30, 2015

RY 2015: July 1, 2015 to June 30, 2016

The annual rate adjustments normally made effective on May 1, 2013 under then-applicable EP and RP tariffs will be suspended, such that demand and energy rates established in 2012 shall be extended through June 30, 2013.

4. Effective commencing in RY 2013, the Annual Adjustment Factor ("AAF") described in Section V herein, shall be applied as follows:
 - A. For the RY 2013 only, the AAF will be suspended, and the RY 2013 rate increase will be subject only to the annual increment.
 - B. For the RYs 2014 and 2015, the AAF will be applied to the demand and energy rates after the addition of the annual increment to the rates of the previous RY rates. Such AAF will be subject to the terms and limits stated in Section V herein.
 - C. Beginning in RY 2016, the AAF will be applied to the previous RY rates, and the annual increment is no longer applicable.

B. EP and RP Rates no Lower than Rural/Domestic Rate

At all times the applicable base rates for demand and energy determined in accordance with Sections III.A and V of this Service Tariff shall be no lower than the rates charged by the

Authority for the sale of hydroelectricity for the benefit of rural and domestic customers receiving service in accordance with the Niagara Redevelopment Act, 16 U.S.C. § 836(b)(1) and PAL § 1005(5) (the "Rural/Domestic Rate"). This provision shall be implemented as follows: if the base rates, as determined in accordance with Sections III.A and V of this Service Tariff, are lower than the Rural/Domestic Rate on an average \$/MWh basis, each set of rates measured at 80% load factor which is generally regarded as representative for EP and RP Customers, then the base rates determined under Sections III.A and V of this Service Tariff will be revised to make them equal to the Rural/Domestic Rate on an average \$/MWh basis. However, the base rates as so revised will have no effect until such time as these base rates are lower than the Rural/Domestic Rate.

C. Monthly Base Rates Exclude Delivery Service Charges

The monthly base rates set forth in this Section III exclude any applicable costs for delivery services provided by the local electric utility.

D. Minimum Monthly Charge

The minimum monthly charge shall equal the product of the demand charge and the contract demand (as defined herein). Such minimum monthly charge shall be in addition to any NYISO Charges or Taxes (each as defined herein) incurred by the Authority with respect to the Customer's Allocation.

E. Estimated Billing

If the Authority, in its sole discretion, determines that it lacks reliable data on the Customer's actual demand and/or energy usage for a Billing Period during which the Customer receives Electric Service from the Authority, the Authority shall have the right to render a bill to the Customer for such Billing Period based on estimated demand and estimated usage ("Estimated Bill").

For the purpose of calculating a Billing Demand charge for an Estimated Bill, the demand charge will be calculated based on the Customer's Load Split Methodology as following:

- For Customers whose allocation is subject to a Load Factor Sharing/LFS LSM, the estimated demand (kW) will be calculated based on an average of the Customer's Billing Demand (kW) values for the previous three (3) consecutive Billing Periods. If such historical data is not available, then the estimated demand (kW) value for the Estimated Bill will equal the Customer's Takedown (kW) amount.
- For Customers whose allocation is subject to a First through the Meter/ FTM, FTM Modified, or RP 2 LSM, the estimated demand (kW) value will equal the Customer's Takedown (kW) amount.

For the purpose of calculating a Billing Energy charge for an Estimated Bill, the energy charge will be calculated based on the Customer's Load Split Methodology as following:

- For Customers whose allocation is subject to a Load Factor Sharing/LFS LSM, the estimated energy (kWh) will be based on the average of the Customer's Billing Energy (kWh) values for the previous three (3) consecutive Billing Periods. If such historical data is not available, then the estimated energy value (kWh) will be equal to the Takedown (kW) amount at 70 percent load factor for that Billing Period.

- For Customers whose allocation is subject to a First through the Meter/FTM, FTM Modified, or RP 2 LSM, the estimated energy (kWh) will be equal to the Takedown (kW) amount at 100 percent load factor for that Billing Period.

If data indicating the Customer's actual demand and usage for any Billing Period in which an Estimated Bill was rendered is subsequently provided to the Authority, the Authority will make necessary adjustments to the corresponding Estimated Bill and, as appropriate, render a revised bill (or provide a credit) to the Customer.

The Minimum Monthly Charge provisions of Section III B.D. shall apply to Estimated Bills.

The Authority's discretion to render Estimated Bills is not intended to limit the Authority's rights under the Agreement.

F.Adjustments to Charges

In addition to any other adjustments provided for in this Service Tariff, in any Billing Period, the Authority may make appropriate adjustments to billings and charges to address such matters as billing and payment errors, the receipt of actual, additional, or corrected data concerning Customer energy or demand usage.

G.Billing Period

Any period of approximately thirty (30) days, generally ending with the last day of each calendar month but subject to the billing cycle requirements of the local electric utility in whose service territory the Customer's facilities are located.

H.Billing Demand

The billing demand shall be determined by applying the applicable billing methodology to total meter readings during the billing period. See Section IV.E, below.

I.Billing Energy

The billing energy shall be determined by applying the applicable billing methodology to total meter readings during the billing period. See Section IV.E, below.

J.Contract Demand

The contract demand of each Customer will be the amount of Expansion Power and/or Replacement Power, not to exceed their Allocation, provided to such Customer by the Authority in accordance with the Agreement.

IV. General Provisions

A. Character of Service

Alternating current; sixty cycles, three-phase.

B. Availability of Energy

1. Subject to Section IV.B.2, the Authority shall provide to the Customer in any billing period Firm Energy associated with Firm Power. The offer of Firm Energy for delivery shall fulfill the Authority's obligations for purposes of this provision whether or not the Firm Energy is taken by the Customer.
- 2.If, as a result of reduced water flows caused by hydrologic conditions, there is insufficient energy from the Hydro Projects to supply the full power and energy requirements of NYPA's Firm Power customers served from the Hydro Projects, hydropower curtailments (*i.e.* reductions) in the amount of Firm Power and Energy to which the Customer is entitled shall be applied on a *pro rata* basis to all Firm Power and Energy customers served from the Hydro Projects. Reductions as a percentage of the otherwise required Firm Power and Energy sales will be the same for all Firm Power and Energy customers served from the Hydro Projects. The Authority shall be under no obligation to deliver and will not deliver any such curtailed energy to the Customer in later billing periods. The Customer will receive appropriate bill credits as provided under the Rules.

C. Delivery

For the purpose of this Service Tariff, Firm Power and Firm Energy shall be deemed to be offered when the Authority is able to supply Firm Power and Firm Energy to the Authority's designated NYISO load bus. If, despite such offer, there is a failure of delivery caused by the Customer, NYISO or local electric utility, such failure shall not be subject to a billing adjustment pursuant to Section 454.6(d) of the Rules.

D. Adjustment of Rates

To the extent not inconsistent with the Agreement, the rates contained in this Service Tariff may be revised from time to time on not less than thirty (30) days written notice to the Customer.

E. Billing Methodology and Billing

Unless otherwise specified in the Agreement, the following provisions shall apply:

- 1.The billing methodology to be used to render bills to the Customer related to its Allocation shall be determined in accordance with the Agreement and delivery agreement between the Authority and, as applicable, the Customer or local electric utility or both.

2. **Billing Demand** –The Billing Demand charged by the Authority to each Customer will be the highest 15 or 30-minute integrated demand, as determined by the local utility, during each Billing Period recorded on the Customer’s meter multiplied by a percentage based on the Load Split Methodology provided for in any contract between the Authority and the Customer’s local electric utility, any contract between the Authority and the Customer, or any contract between the Authority, the Customer and the Customer’s local electric utility for delivery of WNY Power. Billing Demand may not exceed the amount of the Contract Demand.

3. **Billing Energy** –The kilowatt-hours charged by the Authority to each Customer will be the total number of kilowatt-hours recorded on the Customer’s meter for the Billing Period multiplied by a percentage based on the methodology provided for in any contract between the Authority and the Customer’s local electric utility for delivery of WNY Power.

F. Payment by Customer to Authority

1. Demand and Energy Charges, Taxes

The Customer shall pay the Authority for Firm Power and Energy during any billing period the higher of either (i) the sum of (a), (b) and (c) below or (ii) the monthly minimum charge as defined herein:

- a. The demand charge per kilowatt for Firm Power specified in this Service Tariff or any modification thereof applied to the Customer’s billing demand (as defined in Section IV.E, above) for the billing period; and
- b. The energy charge per MWh for Firm Energy specified in this Service Tariff or any modification thereof applied to the Customer’s billing energy (as defined in Section IV.E, above) for the billing period; and
- c. A charge representing reimbursement to the Authority for all applicable Taxes incurred by the Authority as a result of providing Expansion Power and/or Replacement Power allocated to the Customer.

2. Transmission Charge

The Customer shall compensate the Authority for all transmission costs incurred by the Authority with respect to the Allocation, including such costs that are charged pursuant to the OATT.

3. NYISO Transmission and Related Charges (“NYISO Charges”)

The Customer shall compensate the Authority for the following NYISO Charges assessed on the Authority for services provided by the NYISO pursuant to its OATT or other tariffs (as the provisions of those tariffs may be amended and in effect from time to time) associated with providing Electric Service to the Customer:

- A. Ancillary Services 1 through 6 and any new ancillary services as may be defined and included in the OATT from time to time;

B. Marginal losses;

- C. The New York Power Authority Transmission Adjustment Charge ("NTAC");
- D. Congestion costs, less any associated grandfathered Transmission Congestion Contracts ("TCCs") as provided in Attachment K of the OATT;
- E. Any and all other charges, assessments, or other amounts associated with deliveries to Customers or otherwise associated with the Authority's responsibilities as a Load Serving Entity for the Customers that are assessed on the Authority by the NYISO under the provisions of its OATT or under other applicable tariffs; and
- F. Any charges assessed on the Authority with respect to the provision of Electric Service to Customers for facilities needed to maintain reliability and incurred in connection with the NYISO's Comprehensive System Planning Process (or similar reliability-related obligations incurred by the Authority with respect to Electric Service to the Customer), applicable tariffs, or required to be paid by the Authority in accordance with law, regardless of whether such charges are assessed by the NYISO or another third party.

The NYISO Charges, if any, incurred by the Authority on behalf of the Customer, are in addition to the Authority production charges that are charged to the Customer in accordance with other provisions of this Service Tariff.

The method of billing NYISO charges to the Customer will be based on Authority's discretion.

4. Taxes Defined

Taxes shall be any adjustment as the Authority deems necessary to recover from the Customer any taxes, assessments or any other charges mandated by federal, state or local agencies or authorities that are levied on the Authority or that the Authority is required to collect from the Customer if and to the extent such taxes, assessments or charges are not recovered by the Authority pursuant to another provision of this Service Tariff.

5. Substitute Energy

The Customer shall pay for Substitute Energy, if applicable, as specified in the Agreement.

6. Payment Information

Bills computed under this Service Tariff are due and payable by electronic wire transfer in accordance with the Rules. Such wire transfer shall be made to J P Morgan Chase NY, NY / ABA021000021 / NYPA A/C # 008-030383, unless otherwise indicated in writing by the Authority. In the event that there is a dispute on any items of a bill rendered by the Authority, the Customer shall pay such bill in full. If necessary, any adjustments will be made thereafter.

G. Rendition and Payment of Bills

1. The Authority will render bills to the Customer for Electric Service on or before the tenth (10th) business day of the month for charges due for the previous Billing Period. Bills will reflect the amounts due and owing, and are subject to adjustment as provided for in the Agreement, Service Tariff No. WNY-1 and the Rules. Unless otherwise agreed to by the Authority and the Customer in writing, the Authority shall render bills to the Customer electronically.
2. Payment of bills by the Customer shall be due and payable by the Customer within twenty (20) days of the date the Authority renders the bill.
3. Except as otherwise agreed by the Authority in writing, if the Customer fails to pay any bill when due an interest charge of two percent of the amount unpaid will be added thereto as liquidated damages, and thereafter, as further liquidated damages, an additional interest charge of one and one-half percent of the sum unpaid shall be added on the first day of each succeeding Billing Period until the amount due, including interest, is paid in full.
4. If at any time after commencement of Electric Service the Customer fails to make complete payment of any two (2) bills for Electric Service when such bills become due pursuant to Agreement, the Authority shall have the right to require that the Customer deposit with the Authority a sum of money in an amount equal to all charges that would be due under this Agreement for Electric Service for two (2) consecutive calendar months as estimated by the Authority. Such deposit will be deemed security for the payment of unpaid bills and/or other claims of the Authority against the Customer upon termination of Electric Service. The failure or refusal of the Customer to provide the deposit within thirty (30) days of a request for such deposit will be grounds for the Authority in its sole discretion to suspend Electric Service to the Customer or terminate this Agreement.

H. Adjustment of Charges

1. Distribution Losses

The Authority will make appropriate adjustments to compensate for distribution losses of the local electric utility.

I. Conflicts

The Authority's Rules shall apply to the Electric Service provided under this Service Tariff. In the event of any inconsistencies, conflicts or differences between the provisions of this Service Tariff and the Rules, the provisions of this Service Tariff shall govern.

J. Customer Resales Prohibited

The Customer may not resell any quantity of Expansion Power and/or Replacement Power.

V. Annual Adjustment Factor

A. Adjustment of Rates

1. The AAF will be based upon a weighted average of three indices described below. For each new Rate Year, the index value for the latest available calendar year ("Index Value for the Measuring Year") will be compared to the index value for the calendar year immediately preceding the latest available calendar year (the Index Value for the Measuring Year -1"). The change for each index will then be multiplied by the indicated weights. As described in detail below, these products are then summed, producing the AAF. The AAF will be multiplied by the base rate for the current Rate Year to produce the base rates for the new Rate Year, subject to a maximum adjustment of $\pm 5.0\%$ (" $\pm 5\%$ Collar"). Amounts outside the $\pm 5\%$ Collar shall be referred to as the "Excess."

Index 1, "BLS Industrial Power Price" (35% weight): The average of the monthly Producer Price Index for Industrial Electric Power, commodity code number 0543, not seasonally adjusted, as reported by the U.S. Department of Labor, Bureau of Labor Statistics ("BLS") electronically on its internet site and consistent with its printed publication, "Producer Price Index Detailed Report". For Index 1, the Index Value for the Measuring Year will be the index for the calendar year immediately preceding July 1 of the new Rate Year.

Index 2, "EIA Average Industrial Power Price" (40% weight): The average weighted annual price (as measured in cents/kWh) for electric sales to the industrial sector in the ten states of CT, MA, ME, NH, NJ, NY, OH, PA, RI and VT ("Selected States") as reported by Coal and Electric Data and Renewables Division; Office of Coal, Nuclear, Electric and Alternate Fuels; Energy Information Administration ("EIA"); U.S. Department of Energy Form EIA-861 Final Data File. For Index 2, the Index Value for the Measuring Year will be the index for the calendar year two years preceding July 1 of the new Rate Year.

Index 3, "BLS Industrial Commodities Price Less Fuel" (25% weight): The monthly average of the Producer Price Index for Industrial Commodities less fuel, commodity code number 03T15M05, not seasonally adjusted, as reported by the U.S. Department of Labor, BLS electronically on its internet site and consistent with its printed publication, "Producer Price Index Detailed Report". For Index 3, the Index Value for the Measuring Year will be the index for the calendar year immediately preceding July 1 of the new Rate Year.

2. Annual Adjustment Factor Computation Guide

- Step 1: For each of the three Indices, divide the Index Value for Measuring Year by the Index Value for the Measuring Year-1.
- Step 2: Multiply the ratios determined in Step 1 by percentage weights for each Index. Sum the results to determine the weighted average. This is the AAF.
- Step 3: Commencing RY 2014, modifications to the AAF will be subject to $\pm 5\%$ Collar, as described below.
- a) When the AAF falls outside the $\pm 5\%$ Collar, the Excess will be carried over to the subsequent RY. If the AAF in the subsequent RY is within the $\pm 5\%$ Collar, the current RY Excess will be added to/subtracted from the subsequent Rate Year's AAF, up to the $\pm 5\%$ Collar.

- b) Excesses will continue to accrue without limit and carry over such that they will be added to/subtracted from the AAF in any year where the AAF is within the $\pm 5\%$ Collar.

Step 4: Multiply the current Rate Year base rate by the AAF calculated in Step 2 to determine the new Rate Year base rate.

The foregoing calculation shall be performed by the Authority consistent with the sample presented in Section V.B below.

3. The Authority shall provide the Customer with notice of any adjustment to the current base rate per the above and with all data and calculations necessary to compute such adjustment by June 15th of each year to be effective on July 1 of such year, commencing in 2014. The values of the latest officially published (electronically or otherwise) versions of the indices and data provided by the BLS and EIA as of June 1 shall be used notwithstanding any subsequent revisions to the indices.
4. If during the term of the Agreement any of the three above indices ceases to be available or ceases to be reflective of the relevant factors or of changes which the indices were intended by the Parties to reflect, the Customer and the Authority shall mutually select a substitute Index. The Parties agree to mutually select substitute indices within 90 days, once notified by the other party that the indices are no longer available or no longer reflect the relevant factors or changes with the indices were intended by the Parties to reflect. Should the 90-day period cover a planned July 1 rate change, the current base rates will remain in effect until substitute indices are selected and the adjusted rates based on the substitute indices will be retroactive to the previous July 1. If unable to reach agreement on substitute indices within the 90-day period, the Parties agree to substitute the mathematic average of the PPI—Intermediate Materials, Supplies and Components (BLS Series ID WPUSOP2000) and the PPI-- Finished Goods (BLS Series ID WPUSOP3000) indices for one or more indices that have ceased to be available and shall assume the percentage weighting(s) of the one or more discontinued indices as indicated in Section V.A.1.

B. Sample Computation of the AAF (hypothetical values for July 1, 2014 implementation):

STEP 1

Determine the Index Value for the Measuring Year (MY) and Measuring Year - 1 (MY-1) for Each Index

- Index 1 - Producer Price Index, Industrial Power

	Measuring Year <u>(2013)</u>	Measuring Year - 1 <u>(2012)</u>
January	171.2	167.8
February	172.8	167.6
March	171.6	168.2
April	173.8	168.6
May	175.1	171.6
June	185.7	180.1
July	186.4	182.7
August	184.7	179.2
September	185.5	181.8
October	175.5	170.2
November	172.2	168.8
December	171.8	166.6
Average	177.2	172.8
Ratio of MY/MY-1		1.03

• Index 2 – EIA Industrial Rate

<u>State</u>	<u>Revenues</u> (\$000s)	<u>Sales</u> (MWh)	<u>Avg. Rate</u> (cents/kWh)
<u>Measuring Year (2012)</u>			
CT	590,972	6,814,757	
MA	1,109,723	13,053,806	
ME	328,594	4,896,176	
NH	304,363	2,874,495	
NJ	1,412,665	15,687,873	
NY	2,001,588	26,379,314	
OH	3,695,978	78,496,166	
PA	3,682,192	63,413,968	
RI	152,533	1,652,593	
VT	<u>155,903</u>	<u>2,173,679</u>	
TOTAL	13,434,511	215,442,827	6.24
<u>Measuring Year -1 (2011)</u>			
CT	579,153	6,678,462	
MA	1,076,431	12,662,192	
ME	310,521	4,626,886	
NH	298,276	2,817,005	
NJ	1,370,285	15,217,237	
NY	1,891,501	24,928,452	
OH	3,622,058	76,926,243	
PA	3,571,726	61,511,549	
RI	144,144	1,561,700	
VT	<u>152,785</u>	<u>2,130,205</u>	
TOTAL	13,016,880	209,059,931	6.23
	Ratio of MY/MY-1		1.00

• Index 3 – Producer Price Index, Industrial Commodities Less Fuel

	Measuring Year <u>(2013)</u>	Measuring Year -1 <u>(2012)</u>
January	190.1	187.2
February	190.9	188.0
March	191.6	188.7
April	192.8	189.9
May	194.7	191.8
June	195.2	192.3
July	195.5	192.3
August	196.0	193.1
September	196.1	193.2
October	196.2	193.8
November	196.6	193.7
December	196.7	194.0
Average	194.4	191.5
Ratio of MY/MY-1		1.02

STEP 2

Determine AAF by Summing the Weighted Indices

<u>Index</u>	<u>Ratio of MY to MY-1</u>	<u>Weight</u>	<u>Weighted Factors</u>
PPI Industrial Power	1.03	0.35	0.361
EIA Industrial Rate	1.00	0.40	0.400
PPI Industrial Commodities less fuel	1.02	0.25	<u>0.255</u>
AAF			1.016

STEP 3

Apply Collar of ±5.0% to Determine the Maximum/Minimum AAF.

-5.0% < 1.6% < 5.0%; collar does not apply, assuming no cumulative excess.

STEP 4

Apply AAF to Calculate the New Rate Year Base Rate

	<u>Demand</u> \$/kW-mo.	<u>Energy</u> \$/MWh
Current Rate Year Base Rate	7.56	12.91
New Rate Year Base Rate	7.68	13.12

Date of Issue: September 24, 2013

Date Effective: October 2013 Billing Period

Issued by James F. Pasquale, Senior Vice President
Power Authority of the State of New York
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