United States
Department of Energy
Southeastern Power Administration

Wholesale Power Rate Schedule CTV-1-I

Availability:

This rate schedule shall be available to the Tennessee Valley Authority (hereinafter called TVA) on behalf of members of the Tennessee Valley Public Power Association (hereinafter called TVPPA).

Applicability:

This rate schedule shall be applicable to electric capacity and energy generated at the Dale Hollow, Center Hill, Wolf Creek, Old Hickory, Cheatham, Barkley, J. Percy Priest, and Cordell Hull Projects (all of such projects being hereafter called collectively the "Cumberland Projects") and the Laurel Project sold under agreement between the Department of Energy and TVA.

Character of Service:

The electric capacity and energy supplied hereunder will be three-phase alternating current at a frequency of approximately 60 hertz at the outgoing terminals of the Cumberland Projects' switchyards.

Billing Month:

The billing month for capacity and energy sold under this schedule shall end at 2400 hours CDT or CST, whichever is currently effective, on the last day of each calendar month.

Contract Year:

For purposes of this rate schedule, a contract year shall be as in Section 13.1 of the Southeastern Power Administration - Tennessee Valley Authority Contract.

Power Factor:

TVA shall take capacity and energy from the Department of Energy at such power factor as will best serve TVA's system from time to time; provided, that TVA shall not impose a power factor of less than .85 lagging on the Department of Energy's facilities which requires operation contrary to good operating practice or results in overload or impairment of such facilities.

Rate Alternatives:

Southeastern Power Administration (Southeastern) is including three rate alternatives. All of the rate alternatives have an initial base annual revenue requirement of $63,500,000, including transmission and non-power revenue. The initial base annual revenue requirement from the sale of capacity and energy is $50,235,000. The initial base revenue requirements will be subject to annual true-up adjustment described below.

Rate Scenario 1-Revised Interim Operating Plan

The final marketing policy for the Cumberland System was published in the *Federal Register* August 5, 1993 (58 FR 41762). The marketing policy for the Cumberland System of Projects provides peaking capacity, along with 1500 hours of energy annually with each kilowatt of capacity, to customers outside the TVA transmission system. Due to restrictions on the operation of the Center Hill Project imposed by the U. S. Army Corps of Engineers (Corps) as a precaution to prevent failure of the dam, Southeastern is not able to provide the full allocation of peaking capacity to these customers. Southeastern implemented a Revised Interim Operating Plan for the Cumberland System to provide these customers with a reduced amount of energy and a reduced amount of capacity. The rates under this Scenario 1 will remain in effect for the duration of the Revised Interim Operating Plan. The initial base rates for capacity and energy will be subject to annual true-up adjustment described below.

Monthly Rate:

The initial monthly base rate for capacity and energy sold under this rate schedule shall be:

Initial Base Demand charge:

$1.902 per kilowatt per month

Initial Base Energy Charge:

12.35 mills per kilowatt-hour

True-up Adjustment:

The Base Capacity Charge and Base Energy Charge will be subject to annual adjustment on April 1 of each year based on transfers of specific power investment to plant-in-service for the preceding Fiscal Year. Under this scenario the adjustment will be for each increase of $1,000,000 to specific power plant-in-service an increase of $0.001 per kilowatt per month added to the base capacity charge and 0.02 mills per kilowatt-hour added to the base energy rate.

Southeastern will give written notice to the TVA and TVPPA of the amount of the true-up by February 1 of each year.

Rate Scenario 2-Modified Revised Interim Operating Plan

This rate alternative will be implemented if a portion of the Cumberland Capacity can be scheduled, though not all the capacity in the published marketing policy can be scheduled. The initial base annual revenue requirement under this alternative is $63,500,000, including transmission and non-power revenue, the same as the annual revenue requirement in Scenarios 1 and 3. The annual revenue requirement from the sale of capacity and energy is $50,235,000. This Rate Scenario 2 will receive revenues from capacity that can be scheduled and the remainder from energy, at charges that will be determined at the time. Under Scenario 2, the cost of the TVA transmission credit will be passed to customers outside the TVA System. This rate alternative will be in effect if Southeastern chooses to modify the Revised Interim Operating Plan.

The annual revenue requirement and rates under this scenario 2 will be subject to annual adjustment on April 1 of each year based on transfers of specific power investment to plant-in-service for the preceding Fiscal Year. Under this scenario 2, the adjustment is an increase of $53,000 per year to the annual revenue requirement for each increase of $1,000,000 to specific power plant-in-service. Southeastern will give written notice to the TVA and TVPPA of the amount of the true-up by February 1 of each year.

Rate Scenario 3-Original Cumberland Marketing Policy

The third rate alternative will go into effect once the Corps lifts all restrictions on the operation of the Center Hill Dam and Southeastern returns to operations that support the published marketing policy. The initial base rates for capacity, energy, and additional energy will be subject to annual true-up adjustment described below.

Monthly Rate:

The initial monthly base rate for capacity and energy sold under this rate schedule shall be:

Initial Base Demand charge (includes 1500 hours of energy annually):

$3.115 per kilowatt/month of total contract demand

Initial Base Energy Charge:

None

Initial Base Additional Energy Charge:

11.612 mills per kilowatt-hour

True-up Adjustment:

The base demand charge and base additional energy charge under this scenario will be subject to annual adjustment on April 1 of each year based on transfers to specific power plant-in-service. Under this scenario 3, the adjustment is for each increase of $1,000,000 to specific power plant-in-service an increase of $ 0.003 per kilowatt per month added to the base Capacity rate and an increase of 0.012 mills per kilowatt-hour added to the additional energy rate.

Southeastern will give written notice to the TVA and TVPPA of the amount of the true-up by February 1 of each year.

Energy to be Made Available:

The Department of Energy shall determine the energy that is available from the projects for declaration in the billing month.

To meet the energy requirements of the Department of Energy's customers outside the TVA area (hereinafter called Outside Customers), 768,000 megawatt-hours of net energy shall be available annually (including 36,900 megawatt-hours of annual net energy to supplement energy available at Laurel Project). The energy requirement of the Outside Customers shall be available annually, divided monthly such that the maximum available in any month shall not exceed 240 hours per kilowatt of total Outside Customers contract demand, and the minimum amount available in any month shall not be less than 60 hours per kilowatt of total Outside Customers demand.

In the event that any portion of the capacity allocated to Outside Customers is not initially delivered to the Outside Customers as of the beginning of a full contract year, (July through June), the 1500 hours, plus any such additional energy required as discussed above, shall be reduced 1/12 for each month of that year prior to initial delivery of such capacity.

The energy scheduled by TVA for use within the TVA System in any billing month shall be the total energy delivered to TVA less (1) an adjustment for fast or slow meters, if any, (2) an adjustment for Barkley-Kentucky Canal of 15,000 megawatt-hours of energy each month which is delivered to TVA under the agreement from the Cumberland Projects without charge to TVA, (3) the energy scheduled by the Department of Energy in said month for the Outside Customers plus losses of two percent [2%], and (4) station service energy furnished by TVA.

Each kilowatt of capacity will include 1500 kilowatt-hours of energy per year, which is defined as base energy. Energy received in excess of 1500 kilowatt-hours per kilowatt will be subject to an additional energy charge identified in the monthly rates section of this rate schedule.

<u>Service Interruption</u>:

When delivery of capacity to TVA is interrupted or reduced due to conditions on the Department of Energy's system that are beyond its control, the Department of Energy will continue to make available the portion of its declaration of energy that can be generated with the capacity available.

For such interruption or reduction (exclusive of any restrictions provided in the agreement) due to conditions on the Department of Energy's system which have not been arranged for and agreed to in advance, the demand charge for scheduled capacity made available to TVA will be reduced as to the kilowatts of such scheduled capacity which have been so interrupted or reduced for each day in accordance with the following formula:

$$\begin{pmatrix} \text{Number of kilowatts unavailable} \\ \text{for at least 12 hours in any calendar day} \end{pmatrix} \times \left(\frac{\text{Monthly Capacity Charge}}{\begin{matrix}\text{Number of Days in} \\ \text{Billing Month}\end{matrix}} \right) \times \left(\frac{\text{Contract Demand}}{\text{880,000 Kilowatts}} \right)$$

October 1, 2015