United States
Department of Energy
Southeastern Power Administration

Wholesale Power Rate Schedule Pump-1-A

Availability:

This rate schedule shall be available to public bodies and cooperatives (any one of whom is hereinafter called the Customer) in Georgia, Alabama, Mississippi, Florida, South Carolina, or North Carolina to whom power is provided pursuant to contracts between the Government and the Customer.

Applicability:

This rate schedule shall be applicable to the sale at wholesale energy generated from pumping operations at the Carters and Richard B. Russell Projects and sold under appropriate contracts between the Government and the Customer. The energy will be segregated from energy from other pumping operations.

Character of Service:

The energy supplied hereunder will be delivered at the delivery points provided for under appropriate contracts between the Government and the Customer.

Monthly Rate:

The rate for energy sold under this rate schedule for the months specified shall be:

$$EnergyRate = (C_{wav} \div F_{wav}) \div (1 - L_d)$$

[computed to the nearest $.00001 (1/100 mill) per kWh]

(The weighted average cost of energy for pumping divided by the energy conversion factor, quantity divided by one minus losses for delivery.)

Where:

$$C_{wav} = C_{T1} \div E_{T1}$$

(The weighted average cost of energy for pumping for this rate schedule is equal to the cost of energy purchased or supplied for the benefit of the customer for pumping divided by the total energy for pumping.)

$$C_{T1} = C_p + C_s$$

(Cost of energy for pumping for this rate schedule is equal to the cost of energy purchased or supplied for the benefit of the customer plus the cost of energy in storage carried over from the month preceding the specified month.)

$$E_{T1} = E_p x(1 - L_p) + E_s^{t-1}$$

(Energy for pumping for this rate schedule is equal to the energy purchased or supplied for the benefit of the customer, after losses, plus the energy for pumping in storage as of the end of the month preceding the specified month.)

$$C_s = C_{wav}^{t-1} x E_s^{t-1}$$

(Cost of energy in storage is equal to the weighted average cost of energy for pumping for the month preceding the specified month times the energy for pumping in storage at the end of the month preceding the specified month.)

$$C_p$$

= Dollars cost of energy purchased or supplied for the benefit of the customer for pumping during the specified month, including all direct costs to deliver energy to the project.

$$E_p$$

= Kilowatt-hours of energy purchased or supplied for the benefit of the customer for pumping during the specified month.

$$L_p$$

= Energy loss factor for transmission on energy purchased or supplied for the benefit of the customer for pumping (Expected to be .03 or three percent.)

$$E_s^{t-1}$$

= Kilowatt-hours of energy in storage as of the end of the month immediately preceding the specified month

$$C_{wav}^{t-1}$$

= Weighted average cost of energy for pumping for the month immediately preceding the specified month.

$$F_{wav} = E_G \div E_T$$

(Weighted average energy conversion factor is equal to the energy generated from pumping divided by the total energy for pumping)

$$E_G$$

= Energy generated from pumping.

$$L_d$$

= Weighted average energy loss factor on energy delivered by the facilitator to the customer.

Energy to be Furnished by the Government:

The Government will sell to the Customer and the Customer will purchase from the Government energy each billing month equivalent to a percentage

specified by contract of the energy made available to the Facilitator (less any losses required by the Facilitator). The Customer's contract demand and accompanying energy will be allocated proportionately to its individual delivery points served from the Facilitator's system.

Billing Month:

The billing month for power sold under this schedule shall end at 12:00 midnight on the last day of each calendar month.

October 1, 2022