



**Summary
of
Arkansas Public Service
Commission
Net Metering & Co-Gen Rules**

APSC Net Metering Rules

➤ These rules would apply for any generator wanting to operate in parallel

2.04

- A. Only KWH is affected
- B. Supplies exceeds generated – customer billed;
- C. Generated exceeds supplied -- customer no compensation

3.01

- A. Standard Interconnection Agreement (appendix A)
- B. Single point of interconnection
 - Visible disconnect
 - Waived for inverters
- C. SIA 30 days prior to interconnect
 - Part I, SI, Sec 1-4 complete to be valid
 - Equipment prior to notification
 - Notification date – 3 days after mailing
 - Utility provide SIA on request.
- D. Utility has 30 days to review and reply
 - Reasons to prevent connection and modifications must be provided.

APSC Net Metering Rules

3.01

- F. Facilities will meet adopted and filed performance standards at customer expense
- G. System inadequacies addressed by the utility's Extension of Facilities Tariff

3.02

- Facilities modifications or changes evaluated by utility before they are made
- Notification in writing
- Utility review and results in 30 days
- Problems explained and modifications identified

APSC Net Metering Rules

4.01 Utility shall file SIA (appendix A) and Net Metering Tariff in standard tariff format (appendix B)

4.02 Filing requirements



APSC Cogeneration Rules

Sec. 2.3

➤ Small Power qualifies if

- Meets size criteria (sec. 2.4a)
- Meets fuel criteria (sec. 2.4b)
- Meets ownership criteria (sec.2.6)

➤ Cogeneration qualifies if

- Meets operating and efficiency standards in section 2.5a & 2.5b
- Meets ownership criteria in section 2.6

APSC Cogeneration Rules

➤ Size Criteria (Sec. 2.4a)

- 80 MW total for same energy resource, same owner, same location
 - Same site – one mile, hydro – water from same impoundment
 - ❖ Measured from generating equipment

➤ Fuel Criteria (Sec. 2.4b)

- 75% energy input from biomass, waste, renewable, geothermal or combination
- Primary energy source with energy content $\geq 50\%$ biomass is considered biomass
- Oil, gas, and coal may not exceed 25% total energy input during calendar year

APSC Cogeneration Rules

➤ Operating & Efficiency standards (Sec. 2.5)

- Top Cycle

- Op Stnd. – Thermal output no less than 5% of total energy output during calendar year
- Eff. Stnd. – Useful power output + $\frac{1}{2}$ of useful thermal output in calendar year must
 - ❖ Be no less than 42.5 % of total energy input of gas and oil to the facility
 - » Except for emergency and startup
 - ❖ If thermal energy output < 15% of total energy output, be no less than 45% of total energy input of gas and oil
 - ❖ Units not subject to Sec. 2.5 Paragraph a-2-i – no efficiency standard

- Bottom Cycle

- Supplemental firing is gas or oil – useful power output in calendar year no less than 45% of energy input of gas or oil for supplementary firing
- Units not meeting above – no standard
- Commission may waive if significant energy savings can be shown

APSC Cogeneration Rules

- Ownership Criteria (sec.2.6)
 - Facility may not be owned by a person primarily engaged in the generation or sale of electric power
 - Ownership test
 - Exceptions
- Obtaining Qualifying Status (sec. 2.7)
 - Ipso facto for meeting section 2.3
 - Optional screening procedure
 - Optional certification procedure
 - Revocation of qualifying status

APSC Cogeneration Rules

➤ Utility Obligations (Sec 3.3)

- To purchase
- To sell
- To interconnect
 - Obligation to pay cost according section 3.6
 - No obligation to interconnect if, solely by reason of purchase or sales using the interconnection, the utility would become regulated by FERC
- To transmit to other utilities
- Parallel operation
 - Subject to Sec 3.8

APSC Cogeneration Rules

➤ Interconnection Cost (Sec. 3.6)

- QF obligated to pay
- Utility shall
 - Make provision in its tariff Or case by case legally binding obligations with QF for repayment of costs
 - Provide alternatives for complete payment or periodic payments
- QF will reimburse utility for recurring interconnection or administrative costs.

APSC Cogeneration Rules

➤ Operating Reliability Standards (Sec 3.8)

- Interconnection Plan
 - Utility establish and make available guidelines for safe and reliable operation
 - May require plan from QF
 - Provide cost proposal and contract issues
- Inspection
- Provision of equipment and safety
- Right of refusal to connect
- Interconnection switch
- Operating procedures