

**Request for Legislation**

**Background / Purpose:**

This legislation will authorize Cleveland Public Power to contract with an authorized SCADA Engineer contractor to study and analyze what is needed for the CPP SCADA system. The SCADA system monitors the CPP electrical grid as well as the distribution substations. The CPP SCADA allows CPP System Operators to monitor the electrical grid for voltage issues and outages and other electrical issues. NERC, the North American Electric Reliability Corporation, has standards governing what information must be monitored and controlled on the electrical grid. It is critical for the CPP SCADA system to be in compliance with all NERC standards.

The CPP SCADA system is in the process of being replaced. ACS, a SCADA contractor, has worked to upgrade the CPP system. Even with these upgrades more is needed to make the SCADA system current and more efficient. Once the ACS contractor has completed their work to the SCADA system, CPP will need the consulting SCADA engineer to make recommendations on how to upgrade the SCADA system even further.

This will allow CPP to easily analyze the necessary steps needed to ensure the new SCADA system at CPP is accurate and running correctly. Advantages of analyzing the new SCADA system(s) include the following:

- 1) Third Party Review- This review gives an impartial view of the SCADA system in determining what is needed to buy and install.
- 2) Increased Productivity- Technicians and field crews can focus on critical work needed suggested by this contractor.
- 3) Increased Accuracy- System Operators will have reliable equipment timely to determine outages and other issues on the system.

**Scope of Work / Commodities / Services:**

The contractor will be required to analyze the operations of the Local Control Center and the Back up Control Center as well as the SCADA located at all of the substations. The contract would include but not be limited to:

- 1) Provide detailed recommendations needed to the SCADA system.
- 2) Provide detailed list of compatible software and equipment that is needed with the SCADA system.
- 3) Provide step-by-step plan to upgrade the SCADA system.

**Justification / Urgency:**

The new SCADA system will increase efficiency, reducing the time to respond to outages and alarms, resulting in enhanced customer service for CPP customers.

**Anticipated Costs and Funding Source:**

\$200,000 – funding source from CPP’s 2019 budget

**Schedule or Term of Contract:**

Legislation is to lead to a Professional Services contract for the term of two (2) years.

**Current Contract(s): Not Applicable**

**Minority Participation (MBE/FBE) on the Current Contracts: Not Applicable**

MBE/FBE participation goals:       % MBE       % FBE

If there is no MBE or FBE participation, explain why here: .

**Previous Contract(s): None**