

Partners Software Suite Contract

- **SUBJECT:** Consideration and recommendation to execute the Electric Design, mapping and analysis software replacement contract with Partners Software of Athens, Georgia, in the quoted amount of \$98,500. – Danny McReynolds, Electric Engineering Manager
- **ITEM SUMMARY:** By implementing a replacement of the design software, we anticipate substantially reducing our costs while reducing or eliminate the lag between field construction and model updates, improving in the fixed asset update process, improving the material procurement process and providing better maps for our field crews.
- **STAFF RECOMMENDATION:** Staff recommendation is to execute the contract with Partners Software of Athens, Georgia, in the quoted amount of \$98,500.
- **FINANCIAL IMPACT:** Funds for this expenditure are accounted for in the FY21 Electric Engineering CIP Budget
- **Budget:** Electric CIP Budget
- **SUBMITTED BY:** Danny McReynolds, Electric Engineering Manager



Problem Statement – Why is Change Needed (include history, pain points, what is currently happening, and impact to customer)

The current workflow of electric system design to construction is a disjointed process that does not effectively and efficiently update the GIS and downstream applications as a result of outdated and unsupported legacy software applications. We propose to replace the existing design software and update the interfaces with the electric GIS and other systems.

Which of your department's/service area's strategic goals, located in business plan, supports this improvement?

Software Upgrades & Implementation

	Current State	Future State
Qualitative (Feelings)	The current design software functionalities are lacking, and our workflow is highly inefficient which causes substantial rework and slows down our process.	Design software will have the following important functionalities: 1. Robust Workflow 2. Accurate Cost estimation 3. Ability to build electric connectivity 4. Integration with Electric GIS 5. Integration with Fixed Asset Register of GL 6. Integration with Warehouse applications
Money (labor costs, supply costs, etc.)	\$98,500 Upfront cost; \$28,250/ year	Reduction of \$250,000 in costs year one; cost benefits to increase in following years; \$98,500 for replacement; \$28,250/ year
Errors (rework, defects, etc.)	Duplicate work to update electric model; maps not up to date for field crews; projects outsourced	More projects performed in house; accurate model and updates. Benefiting the work crews and control center.
Amount (clients served, items processed, etc.)	10-15 projects/ month	30-40 projects/ month
Time (Active) (length of time per transaction, activity, etc.)	Lag between field construction and model updates can be several hours to several weeks. These lags are due to inefficient workflow and poor integration between the different software applications.	Reduce/ eliminate the lag between field construction and model updates. Accurate maps and engineering models.
Time (Waiting) (do not include in yearly calculation)	Lag between field construction and model updates can be several hours to several weeks	Waiting time reduced; design could be completed within a week
Yearly Cost (Annualized)	\$28,250+\$250,000(Outsourced Engineering Costs) = \$278,250/ year	\$28,250/year
Yearly Savings (CS Cost - FS Cost)	250,000 in yearly savings	

