



TWO-YEAR SOFTWARE AND TECHNICAL SUPPORT SERVICES WITH E&M ELECTRIC & MACHINERY, INC., DBA WONDERWARE

Riverside Public Utilities

Board of Public Utilities
September 27, 2021

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BACKGROUND

1. RERC and Springs Power Plants

- a. City owned and operated
- b. Meet citywide electricity demands
- c. Produce a combined total of 232 MWhs of electricity

2. Wonderware Software

- a. Plant control software necessary for operation of the power plants and the emissions controls
- b. Part of original design and initial construction
- c. Ongoing software licensing and technical support necessary for on-going improvements and to maintain plant operational reliability



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DISCUSSION

1. Wonderware Software

- a. Software purchase and technical support vendor is E&M Electric and Machinery, Inc., dba Wonderware
- b. End user license agreement is with Aveva Software, LLC

2. Secured lower pricing by combining agreement with Public Work's Department, Wastewater Division

- a. \$12,000 cost savings
- b. Public Works with RPU will present the item for City Council approval if the Board recommends approval

3. Competitive bidding not required

Under Section 702(q) of City Council Resolution No. 23256, Exceptions, Competitive Procurement through the Informal Procurement and Formal Procurement process shall not be required when the Procurement is for the annual maintenance, license(s), support, or similar need for current technology systems, including hardware, and the items procured are from the owner/developer of the software/hardware or from a sole source provider, and the Manager is satisfied that the best price, terms and conditions have been negotiated.



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STRATEGIC PLAN ALIGNMENT

This item contributes to the following strategic priorities and goals from the Envision Riverside 2025 Strategic Plan:

- **Strategic Priority 4, Environmental Stewardship**

Goal 4.3. Implement local and support regional proactive policies and inclusive decision-making processes to deliver environmental justice and ensure that all residents breathe healthy and clean air with the goal of having zero days of unhealthy air quality per the South Coast Air Quality District's Air Quality Index (AQI).

- **Strategic Priority 5, High Performing Government**

Goal 5.4. Achieve and maintain financial health by addressing gaps between revenues and expenditures and aligning resources with strategic priorities to yield the greatest impact.

- **Strategic Priority 6, Infrastructure, Mobility & Connectivity**

Goal 6.2. Maintain, protect and improve assets and infrastructure within the City's built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Goal 6.3. Identify and pursue new and unique funding opportunities to develop, operate, maintain, and renew infrastructure and programs that meet the community's needs.



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STRATEGIC PLAN ALIGNMENT

The item aligns with EACH of the five cross-cutting threads as follows:

1. **Community Trust** – Ensuring that Riverside's power plants are able to safely and effectively operate and provide electricity to the entire City and its communities serves the greater public good.
2. **Equity** – This item ensures that the RERC and Springs power plants are able to safely and effectively operate and provide reliable electricity benefitting entire City.
3. **Fiscal Responsibility** – Maintaining the operating effectiveness of the software at the power plants avoids potential costly upgrades later, ensures that the power plants remain operations and avoids potential fines for non-compliance with various regulations. Additionally, partnering multiple departments under one agreement has resulted in a cost savings which demonstrates prudent stewardship of public funds and responsible management of the City's financial resources while providing quality public services to all.
4. **Innovation** – This item will ensure the maintenance of critical system software ensuring the operation of the RERC and Springs power plants such that the plants can continuously effectively adapt to changing regulations, equipment and processes.
5. **Sustainability & Resiliency** – The Wonderware software ensures that the power plants are able to operate in the most effective way possible and are able to maintain the lowest possible emissions for their engine classes.



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RECOMMENDATIONS

That the Board of Public Utilities recommend that the City Council:

1. Approve the expenditure for software and technical support services from E&M Electric & Machinery Inc., dba Wonderware of Healdsburg, California for the plant control systems at Riverside Energy Resource Center and Springs Generating Station, in the amount of \$63,090;
2. Approve the End User License Agreement with Aveva Software, LLC for Wonderware Software; and
3. Authorize the City Manager, or designee, to execute the End User License Agreement with Aveva Software, LLC including making minor non-substantive changes.



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