



## POWER PLANT CONTROL SYSTEM ENGINEERING AND CONSULTING SERVICES

### Riverside Public Utilities

**Board of Public Utilities**  
June 13, 2022

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## BACKGROUND

### **RERC and Springs**

1. Combined provides 236 megawatts of electricity
2. Operate during most critical need
3. Remote capable facilities
4. Support summer peak demands

### **Distributed Control Systems (DCS)**

1. Centralized computer control system at RERC and Springs
2. Integrates numerous systems for plant operation
3. Custom designed and programmed to specific operations
4. Vital for compliant and reliable operations
5. Essential for remote operations

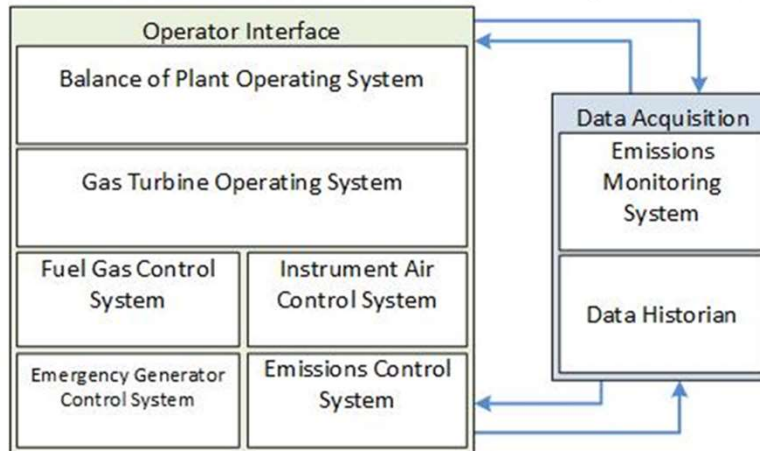


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## BACKGROUND

### Distributed Control System



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## BACKGROUND

### Wunderlich-Malec

1. Installed the original DCS systems at RERC and Springs
2. Expertise and historical knowledge with a custom fit system
3. Periodic maintenance and support required on DCS
4. Local and remote support
5. Available to support summer peak demands

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## SINGLE SOURCE JUSTIFICATION

### Single Source Justification

1. Wunderlich-Malec is the only company that readily meets Riverside's needs for the existing and proprietary DCS systems
  - a. Complex programming with integration of several systems
2. Significant risk-extended outages, environmental violations and equipment damage if repairs are not completed in an accurate and timely manner
3. Lowest hourly rate and total cost compared to other industry providers



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## DISCUSSION

### Request for approval is for the third amendment to the original 2017 contract.

1. Original contract was executed in 2017
2. First and Second Amendments were made in 2018 and 2019, respectively
3. Current request is to approve the third amendment extending the contract 2025
4. Only actual expenditures are billed against annual amount; any unspent funds revert back to the Power Resource/Generation accounts

Agreement Revisions	Fiscal Years	Annual Amount	Amendment Amount
<b>Original</b>	Fiscal Year 2017-18	\$45,000	\$45,000
<b>First Amendment</b>	Fiscal Year 2018-19	\$45,000	\$45,000
<b>Second Amendment</b>	Fiscal Years 2019-20 to 2021-22	\$60,000/yr.	\$180,000
<b>Third Amendment</b>	<b>Fiscal Years 2022-23 to 2024-25</b>	<b>\$60,000/yr.</b>	<b>\$180,000</b>
<b>Total</b>			<b>\$450,000</b>



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## STRATEGIC PLAN ALIGNMENT



### No. 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.



### No. 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.

### Cross-Cutting Threads



Community Trust



Fiscal Responsibility



Sustainability & Resiliency



Equity



Innovation

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## RECOMMENDATIONS

That the Board of Public Utilities:

1. Approve the Third Amendment to the Professional Consultant Services Agreement with Wunderlich-Malec Engineering, Inc., of Gilbert, Arizona for power plant control system engineering and consulting services at the Riverside Energy Resource Center and Springs Power Plant for a three-year term ending July 1, 2025, in the amount of \$180,000 for a total agreement amount of \$450,000; and
2. Authorize the City Manager, or designee, to execute the Third Amendment to the Professional Consultant Services Agreement with Wunderlich-Malec Engineering, Inc., including the ability to make non-substantive changes.

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