



# County of Los Alamos

## Council Meeting Staff Report

January 30, 2018

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<b>Agenda No.:</b>	A.
<b>Indexes (Council Goals):</b>	2018 Council Goal – Quality Governance – Operational Excellence – Maintain Quality Essential Services and Supporting Infrastructure Including Updated Enterprise Software and Permitting
<b>Presenters:</b>	James Alarid
<b>Legislative File:</b>	AGR0552-18

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### **Title**

Approval of Services Agreement No. AGR18-17 with HPI, LLC in the amount of \$312,195.00, plus Applicable Gross Receipts Tax, for the Purpose of Abiquiu Hydroelectric Plant Controls Upgrade

### **Recommended Action**

**I move that Council approve Services Agreement No. AGR 18-17 with HPI, LLC in the amount of \$312,195.00 and a contingency in the amount of \$62,000.00, for a total of \$374,195.00, plus applicable gross receipts tax, for the Purpose of the Abiquiu Hydroelectric Plant Controls Upgrade Project.**

### **Utilities Manager Recommendation**

The Utilities Manager recommends that Council approve the motion as presented.

### **Board, Commission or Committee Recommendation**

The Board of Public Utilities recommends that Council approve the motion as presented.

### **Body**

The existing controls system at the Abiquiu Hydroelectric Plant is comprised of a 2005 vintage system on the two original units and a 2010 vintage component on the third unit installed with the low-flow turbine. At the time the low-flow turbine was installed the control system was set up on a designated process logic controller (PLC) and integrated into the existing plant control scheme. Two controls systems were therefore installed at the plant because the older (2005) version of the operating software was no longer supported nor compatible with the version marketed in 2010. The project will include upgrading the PLCs on all three units, upgrade operating software to the current version, replace existing hardware that is at the end of its service life and implement some improvements in the controls scheme for more efficient and reliable operation. At the end of the project we will have only one new control system rather than two, as exists at present. Three proposals were received and HPI, LLC was both the highest evaluated proposal and the lowest cost.

### **Alternatives**

If the project is not approved staff will immediately solicit for these services again due to the need for the upgrade.

### **Fiscal and Staff Impact**

\$375,000 has been budgeted in the fiscal year 2018 budget. Hydroelectric Plant staff will heavily involved in the project to provide the operational insight necessary to for a successful upgrade.

### **Attachments**

A - AGR18-17