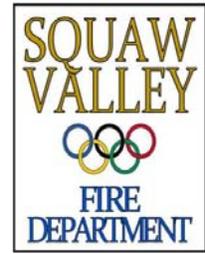




## SQUAW VALLEY PUBLIC SERVICE DISTRICT



### 2015 Water Capacity and Reliability Update – Palisades at Squaw Project

**DATE:** November 17, 2015  
**TO:** District Board Members  
**FROM:** Jesse McGraw, Operations Manager  
**SUBJECT:** 2015 Water Capacity and Reliability Update – Palisades at Squaw Project

**BACKGROUND:** Analysis of the capacity and reliability of the District's water system to meet current and future demands is a key factor driving the ability to issue permits for new development. The District began analyzing our ability to meet growth demands in its current format in 2002 with the last update in 2007. Since 2007 the District has experienced moderate growth; projects which would significantly impact the ability to issue new permits such as the Resort at Squaw Creek Phase II, Village at Squaw Valley Specific Plan, and the PlumpJack renovation bring new water supplies sufficient to cover their anticipated demand. Although these projects have studied in depth the ability of the aquifer to provide added source supply the District's capacity and reliability to serve growth from existing supplies has not been recently studied.

Placer County has received a project application from the Palisades at Squaw Project which encompasses 63 residential lots and a private park located on 19.9 acres as shown on the attached site map. The County requires the project proponent to prepare an Environmental Impact Report and will require the District to comment on its ability to serve the project and ultimately to issue will serve commitments. Given the magnitude of the project could consume all or a significant portion of the District's remaining source capacity and in order to make an informed commitment to serve the project, the Water Capacity and Reliability Update should be updated to reflect current supply and demand.

**DISCUSSION:** The District has historically performed the analysis using our engineer of record. Farr West Engineering has provided a scope of work (attached) and budget to perform the analysis in an amount not to exceed \$6,000. Dave Hunt has performed the analysis previously and the value of his institutional knowledge is reflected in the cost. The project proponent has agreed to the terms of the District's standard pre-development agreement and will cover the cost.

**ALTERNATIVES:** 1. Proceed with staff recommendation and enter into contract with Farr West Engineering in an amount not to exceed \$6,000.

2. Do not update the 2007 Capacity and Reliability Study and rely on outdated information or other outside resources.

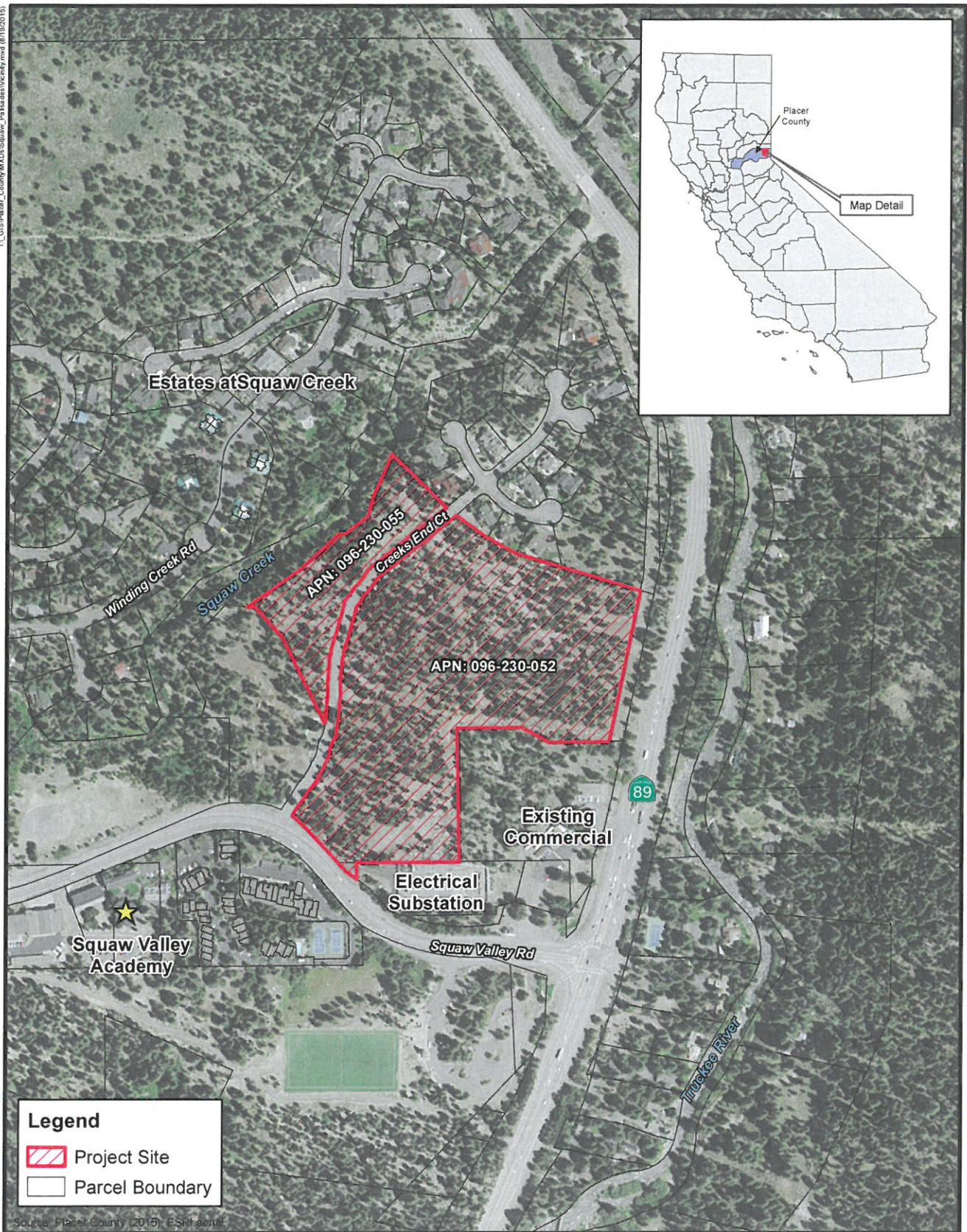
**FISCAL/RESOURCE IMPACTS:** The project proponent has agreed to reimburse the District for the cost of the Study, which is \$6,000. There is no anticipated cost to the District for this analysis.

**RECOMMENDATION:** Staff recommends the Board authorize the General Manager to enter into contract with Farr West Engineering for the 2015 Water Capacity and Reliability Update for an amount not to exceed \$6,000.

**ATTACHMENTS:** Scope of Work from Farr West Engineering dated October 18, 2015. Project Site Plans.

**DATE PREPARED:** November 6, 2015

T:\GIS\Placer\_County\MXDs\Squaw\_Valley\Site\City.mxd 6/15/2015



**Figure 1**  
Regional Vicinity



# FARR WEST

## ENGINEERING

October 18, 2015

Mike Geary, P.E.  
General Manager  
Squaw Valley Public Service District  
305 Squaw Valley Road  
P.O. Box 2026  
Olympic Valley, CA 96146-2026

**RE: Scope of Work for SVPSD Water Capacity and Reliability Study Update**

Dear Mike,

Farr West Engineering appreciates the opportunity to present this Scope of Work (SOW) to prepare an update to the District's Water Capacity and Reliability Study. The initial analysis of the District's ability to meet future water demands in the Valley was completed using 2002 water supply and demand data. Subsequent updates to the study were completed up to year 2007 water supply and demand data.

Since that time, numerous water system planning efforts have taken place, including recent studies such as:

- Village at Squaw Valley Specific Plan (VSVSP) SB 610 Water Supply Assessment;
- VSVSP Water System Hydraulic Evaluation;
- Redundant Water Supply – Preferred Alternative Evaluation Project; and
- Olympic Valley Creek/Aquifer Interaction Study

With the current understanding of existing and projected future water demands and available water supply in the Olympic Valley, this information will be used to update the 2007 Capacity and Reliability Study Update (February 2008).

This SOW includes preparation of draft and final technical memoranda (TM). The 2015 Capacity and Reliability Study Update TM will include the following sections:

- Discussion of Historical and Current Water Demands
- Current and Projected Development and Water Demands
- Summary and Conclusions

### *Deliverables*

- Draft 2015 Capacity and Reliability Study Update – Five (5) bound and one (1) unbound copy, and electronic copy in PDF format on CD/DVD for District review
- Final 2015 Capacity and Reliability Study Update – Five (5) bound and one (1) unbound copy, electronic copy in PDF format on CD/DVD

### **Schedule**

- Submit Draft Capacity and Reliability Study Update – December 24, 2015
- Submit Final Capacity and Reliability Study Update – January 19, 2015
- Presentation at Board Meeting – January 26, 2015

Farr West Engineering proposes to perform the above scope of services for an estimated fee not to exceed \$6,000.00. The estimated fee will not be exceeded without prior authorization. The work will be billed on a time and expense basis according to the 2015 Farr West Fee Schedule (Exhibit A).

Please contact me at (775) 853-7263 if you have any questions regarding this SOW. We are prepared to commence work immediately upon your authorization.

Sincerely,



Dave Hunt, P.E.  
Principal Civil Engineer

Enclosures

Attachment A – FWE 2015 Fee Schedule

cc: