

Board of Supervisors
County of Tuolumne
2 South Green St.
Sonora, CA 95370

Glen Jacobs
P.O. Box 402
Mi Wuk, CA 95346

March 22, 2023

Tuolumne Utilities District Board Appointment

First, allow me to express my heartfelt appreciation as you consider me for the position of Tuolumne Utilities District Board Director. My passion for this County and the for the water issues affecting us runs deep. I love Tuolumne County. I have lived and worked here for over 40 years. I met my bride here. We've raised my three children here. All of our seven grandchildren all live in this wonderfully amazing County.

As with each of you Supervisors, I'm willing to sacrifice my time, energy, and talents to make life more secure for our community by addressing current TUD needs. Water and sewer resources are a critical part of creating that security. I believe that Workforce Housing is of vital importance to our County's economic development. I believe that Firefighting is crucial to our life-safety and well-being. Water is an essential service to ensure that both of these needs are met.

Having served on as Board Committee member at the State level for over a decade, I understand that the role of Boards is to provide oversight and sound policies to accomplish results. It is important that we are always mindful of the things that best serve our constituents and not to get stuck in the details and the "weeds". With kindness, respectful cooperation, collaboration and willingness to compromise, I promise to work with each and every other member of the TUD Board to achieve our mutual success. As a Tuolumne Utilities District Board member, I will utilize my community outreach skills, my teaching experience, and public relations background to create the transparency that the ratepayers are currently demanding. I will utilize my business and technical background to help with high-level direction in the current challenges faced by the District.

I understand the importance of water security and sewer accessibility, a reliable infrastructure, as well as insuring affordability. I have been a TUD ratepayer since it was formed in 1992. I have personally visited a number water treatment and wastewater facilities. I have a first-hand understanding, both operationally and technically of the needs and challenges which must be addressed. Water security is paramount. We must secure the PGE water rights. The future of our great community and the well-being of our future generations is at stake here. I promise you that I will do everything humanly possible to secure these water rights. I believe it is one of the most important issues facing the TUD Board. I will utilize my proven communication skills and experience and professional engineering background to its fullest in pursuing these for the benefit of us all.

Can you imagine what it's going to feel like to have the ownership rights to our own water? To have a secure source of water made available for meeting our critical housing and fire-fighting needs?
Please grant me the opportunity to work with you and with the TUD Board members to help bring this to pass.
Thanks so much for your time and consideration.



Glen Jacobs
P.O. Box 402
Mi Wuk, California 95346
209/591-0337

Summary of Background

- Raised in Missouri, attended college in the Bay Area, moved to Tuolumne County in 1979.
- A father of three married adult children, one son and two daughters. A grandparent (with Cynthia, my bride of 43 years) of seven children (ages 14 years to 7 weeks). We are all very blessed to be Tuolumne County residents.
- Provided facilities maintenance for three aging apartment buildings in the Midwest, provided facilities engineering support and project management for many hundreds of facilities including the University of California, Davis, Medical Center in Sacramento.
- Business owner, as a former partner in a local contracting firm, as the sole proprietor of an local engineering firm.
- Currently semi-retired, providing part-time engineering services for a firm based in Manteca, and providing occasional personal caregiving services for local residents.

Summary of Qualifications

Education

Graduate, Northwest High School, St. Louis, Missouri
Bachelor of Science, Engineering, Stanford University
Bachelor of Arts, Communication, Stanford University
Water Resources coursework, Columbia College

Professional License

Professional Engineer since 1989, State of California License Number M26063
A former California Licensed Contractor (inactive)

Public Service

Office of Statewide Healthcare Planning and Development, Mechanical and Electrical Subcommittee former Member

Varied Work & Career Experience

- various manual labor duties, delivering newspapers, landscaping laborer, pipefitter, sheet metal mechanic, heating & air conditioning service technician
- caregiver for dementia patients, children with autism and other intellectual and physical disabilities, adults with crippling disabilities, hospice patients
- extensive management, project management and engineering experience spanning over four decades
- project size ranging from single family residences to multi-million dollar, multi-year, multi-discipline County-Wide infrastructure projects
- involved in organizations with sizes ranging from one person to many thousands

Interests and Anticipated Contributions

I will do my level best to help to provide responsible water and wastewater services for us, our grandchildren and our great grandchildren's children.



County of Tuolumne

Facilities Management

2 South Green Street
Sonora, CA 95370
Phone (209) 533-5660
FAX (209) 532-6709

August 7, 2006

Recommendation for Glen Jacobs
P.O. Box 632
Twain Harte 95383

Dear Sir or Madam:

It gives me great pleasure to recommend to you the services of Glen Jacobs. Glen has been doing projects with Tuolumne County since 1992. He first helped do an energy audit for our buildings and then took on projects from large to small. Some of the projects were to investigate problems with buildings or control systems, others were to design complete systems for buildings being remodeled and up graded. We have been very please with all the out comes! How many customers say that today? I have dealt with five different architects and their mechanical engineers over the years and Glen's work stands out as some of the best that I have seen in my 25 years with Tuolumne County. I have a strong background in HVAC industry and I like what I see from Glen. He is always professional and does a very good job of background investigation to get to the real problem. I have several buildings that Glen engineered the complete air conditioning system in and they all have worked great. One such system is ten years old now and has been trouble free.

Sincerely,

A handwritten signature in blue ink that reads "Kenny D. Watts".

Kenny D. Watts
Maintenance Supervisor Tuolumne County

Resume of Key Personnel

Glen Jacobs, P. E. Professional Engineer

Mr. Jacobs' interest in Demand-Side Management began almost 20 years ago when, as an undergraduate at Stanford University, he edited the Energy Conservation report section of an inter-disciplinary year-long project exploring America's energy future.

Since that time Mr. Jacobs has personally performed energy audits for several hundred facilities ranging from major medical centers, county administrative complexes, hotel convention centers, college campuses, and large industrial facilities to small office buildings, restaurants, and elementary schools. As Manager of Auditing and Vice President of Engineering and Construction for a publicly traded energy services company (ESCO), he directed the auditing and DSM engineering and implementation efforts for several million square feet of facilities throughout California and the Western United States.

Mr. Jacobs has personally designed hundreds of DSM retrofit projects during his engineering career. He has provided DSM engineering services for clients in numerous utility service areas including Pacific Gas & Electric, Southern California Edison, San Diego Gas & Electric, Sacramento Municipal Utility District, Western Area Power Administration, City and County of San Francisco's Hetch Hetchy Water & Power, Modesto Irrigation District, Arizona Public Service, Turlock Irrigation District, Los Angeles Department of Water & Power, Public Service Company of Colorado, and the City of Lodi, among others. In addition, he provides consulting services directly to utility companies.

Mr. Jacobs provided design/build engineering services for a number of pioneering Technology Demonstration projects for Pacific Gas & Electric company in the early 80's. He designed one of the first gas-engine driven chiller installations on the west coast. Design projects have included thermal energy storage, solar domestic hot water and space heating systems, facilities automation systems, waste-water recovery systems, high efficiency boiler systems, cogeneration systems, gas-fired double-effect absorption chiller systems, waste heat

recovery systems, high-efficiency air conditioning and chiller systems, variable speed drive retrofits of pumps and fans, window film applications, heat pump systems, refrigeration heat recovery systems, insulation projects, lighting controls and retrofits, wet and dry-side economizers, energy efficient motor applications, and others.

He has developed comprehensive energy efficiency programs for several counties, cities, school districts, hospitals, commercial and multi-family residential facilities. He has personally performed numerous hands-on electrical end-use metering evaluations, completed several computerized hourly analysis building simulations, calculated energy savings, negotiated construction contracts, obtained building permits for scores of hospital and school projects, project managed multi-million dollar energy retrofit construction projects, and provided monitoring and evaluation of completed DSM projects.

Mr. Jacobs is familiar with the inner workings of energy services companies. He has had direct experience (good and bad) with the gamut of energy financing stratagems including micro-utility, shared-savings programs, guaranteed savings programs, municipal lease programs, certificate of participation, conventional lease and direct purchase programs.

He has worked with many utility rebate and incentive programs, California Energy Commission programs, utility-sponsored technology demonstration projects, State of California Office of Local Assistance energy funding for schools, utility-sponsored thermal energy storage feasibility programs, and others. Mr. Jacobs has served on State of California's Office of Statewide Health Planning and Development Building Safety Board's Mechanical/Electrical Committee since 1985.

Born in St. Louis, Missouri, Mr. Jacobs has lived in California since 1971. He moved to the Sonora, California area in 1979 where he and his wife Cynthia raise their three children, dog, cat, rabbit, three frogs and one polliwog.

Mr. Jacobs received a Bachelor of Science in Engineering and Bachelor of Arts Degree in Communication from Stanford University and is a licensed registered professional engineer in the State of California. Mr. Jacobs can be reached at 209/525-8288 or 209/586-0760.

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October 11, 1993

TO WHOM IT MAY CONCERN:

LETTER OF RECOMMENDATION FOR GLEN JACOBS

During 1993 I had the opportunity to work with Glen Jacobs in developing materials for presentation in a series of five Integrated Resource Planning (IRP) workshops sponsored by the Western Area Power Administration. In one module of the IRP workshop series, Glen joined me in presenting some of the work he had done in the area of data collection in support of the IRP process. The presentation went very well and clearly demonstrated Glen's engineering skills in several areas, including IRP preparation, data collection, demand-side management technologies, and general utility analyses as well as his presentation talents before a large audience. Glen was very thorough in the preparation of his materials and was careful to assure that full coordination had been obtained prior to the workshop.

Glen's work record includes support for several California based customers of the Western Area Power Administration. This agency is in the process of forming IRP regulations which will require all of its customers to develop and implement IRPs. Support from such consultants as Glen Jacobs will be held in high regards. I believe that Glen has the capability of providing IRP and related support to a wide range of utility and irrigation organizations. While my actual observation of Glen's full capabilities is somewhat limited, based upon his support in the subject IRP workshops, I offer my recommendation to anyone considering his services.

Clarence D. Council

Clarence D. Council. P.E.



Friday, August 11, 2006

To Whom It May Concern:

Over twenty-five years working in the HVAC and mechanical field I have had the fortunate opportunity of working with and, at times, being an employee of Glen Jacobs. I attribute a great deal of my success in the HVAC/Mechanical trade to his mentoring.

Glen has been endowed with exceptional mechanical, mathematical and organizational skills and is able to utilize them to productively bring together design concepts and see projects through to completion. Glen takes pride in his work and can be relied upon to produce quality results at all times. One of Glen's most valuable attributes is his positive attitude, which he conveys in a way that shows respect for others and instills a level of confidence. His clients know that he will get the project completed in the most efficient manner, while meeting the projected deadlines.

One project of note; while I was working for Johnson Controls Facilities Management Group at SUN Microsystems during the 2000 energy crisis, Glen was contracted as a consultant to design and assist in implementing an energy demand reduction program for SUN's world headquarters in Santa Clara. Through His efforts, SUN Microsystems kept their buildings on electrical service and received substantial rebates from the California Energy Commission. This project was honored with an award, which Glen received from Johnson Controls for his design achievement.

I know Glen will be a great addition to any design team that he works with. You would be hard-pressed to find an employee more dedicated. I recommend him as a rock solid addition to your engineering staff. If you would like more information, please call; I will be happy to provide it.

Sincerely,

Scott Walling
Facilities Superintendent
(209)381-7926
cel: (209)675-8053

UNIVERSITY OF CALIFORNIA, DAVIS

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UC DAVIS MEDICAL CENTER
2315 STOCKTON BOULEVARD
SACRAMENTO, CALIFORNIA 95817

ARCHITECTS AND ENGINEERS

January 17, 1990

To Whom It May Concern:

I have had the pleasure of knowing and working with Glen R. Jacobs, P.E., during the past six months. Glen is a Mechanical Engineer here at the University of California, Davis, Medical Center, Sacramento, California. His work involves three primary functions. Project Management, A&E Staff mechanical engineer assisting and solving problems during the planning, design and construction of a project, and hospital staff mechanical engineer. In this latter capacity, his efforts are analyzing problems that occur in the many mechanical systems of the institution; engineering solutions to the problems; and then assisting in the implementation of the solutions.

Glen's engineering acumen, initiative, perseverance, and positive attitude are without equal. Glen Jacobs is a gentlemen in every aspect. He is courteous, calm, well-dressed and is diplomatic and tactful in his relations with others.

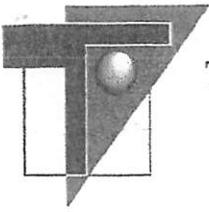
In summary, his personal attributes are those of a person whose character and integrity, both professionally and personally, are without equal.

To recommend Glen Jacobs as an engineer and person is to me an honor and I so recommend him.

Sincerely,

A handwritten signature in black ink, appearing to read "W. J. O'Donnell", with a long horizontal flourish extending to the right.

W. J. O'Donnell, P.E.
Capt. Civil Engineer Corps, USN, (Ret)
Principal Inspector



Titan Pharmaceuticals, Inc.

April 19, 2004

Dear Sir or Madam:

My name is Harry Hobbs; I am currently the Manager of Facilities, Materials & Services for Titan Pharmaceuticals Inc. in S. San Francisco Ca. I studied at U. of Me., and Southern Maine Vocational Technical Institute. I am a current member if I.F.M.A. and I.S.P.E. and I have been in the Facilities Management business most of my working life.

From 1997 to 2002 I was in various Facilities Management positions for Johnson Controls at Sun Microsystems Western Geographical Region of the U.S.

Glen Jacobs and I first worked together at Sun Microsystems in Silicon Valley during the energy crisis of 2000 and 2001. We developed a demand management application for Sun's seventy Western Region buildings and Campuses. These buildings represented about seven million square feet at the time. Geographically they were concentrated in Beaverton Oregon, San Diego, and the Bay Area.

Glen and I, with a project team of ten or more members of the Johnson Controls Facilities group and Sun's Facilities team successfully developed two applications for the California Energy Commission's H.V.A.C. and Lighting Demand Management Grant Program. This effort was awarded 1.25 million dollars in grant funding.

The rigor and effort that Glen put forth for this was amazing, the amount of information that was reviewed was huge, but the true challenge was to be rigorous enough to succeed but quick enough to make the very short deadlines. The pressures were intense and the people and project management skills required were incredible. Glen was tireless and in fact we worked several days straight through the night to achieve our goals.

At another point, Sun was in need of engineering support to determine a course of action to mitigate a foul odor in their new Santa Clara headquarters auditorium building. The campus was built on the site of the old Agnews State Hospital. The original development was circa 1880 and the auditorium was part of the post 1906 quake redevelopment. The odors had eluded several efforts over a year and half from the original development team, but Glen was able to diagnose the problem and determine the root cause within a few weeks. It turned out to be Sulfur Dioxide that was being generated from the cafeteria waste system. The slope of the old sewage system and the waste flows were contributing factors. The development team and others had been nearly convinced to budget up to \$250,000.00 to excavate the old sewer system and replace it before Glen got involved. In the end, Sun spent approximately \$40,000.00 on Glen's time and the solution. I will leave the details for him to tell you.

In closing let me say that I have found Glen to be of exceptional talent and vigor. He has many great qualities that will serve him well, not the least of which is the tremendous integrity that he manages to apply with enough flexibility to be able to offer practical and pragmatic solutions that I found I could actually afford to implement.

Sincerely,

Harry W. Hobbs
Manager of Facilities, Materials and Services

**400 Oyster Point Blvd., Suite 505, South San Francisco, CA 94080
Tel. (650)244-4990 Fax (650)244-4956**

**BOUDREAU
ENGINEERING
INCORPORATED**

PO Box 943
Manteca, CA 95336
(209)606-7052

February 14, 2023

Tuolumne Utilities District Board of Directors,

It is my pleasure to recommend Glen R. Jacobs for the appointment to the board to fill the recent vacancy.

I am Bryan Boudreau, president of Boudreau Engineering Incorporated (BEI). BEI is located in Manteca, CA and was founded in 2017. I am a licensed mechanical engineer in the state of California. BEI provides consulting engineering services and design for mechanical and plumbing systems for public, commercial, residential, and projects under the jurisdiction of the department of Health Care Access and Information (HCAI). I have twenty-four years of experience in HVAC and plumbing design.

I meet Glen R. Jacobs in 2004, but I have had the opportunity to get to know Mr. Jacobs much better starting in October of 2022. At time Mr. Jacobs contacted me to help with a mechanical and plumbing design for a small commercial project in Manteca. Since reconnecting with Mr. Jacobs, he has shared some of his career experiences with me. Mr. Jacobs experiences include: design, manufacture and installation of large industrial ventilation system; mechanical contractor for commercial and residential HVAC systems; consulting mechanical engineer for HVAC systems; mechanical and plumbing design for projects under the jurisdiction of the department of Office of Statewide Health Planning and Development; a participating member of the Hospital Building Safety Board. Mr. Jacob's varied experiences helps to lead him to evaluate challenges from multiple perspectives. Over the past sixteen months I frequently discussed challenges I encounter with Mr. Jacobs. I have found Mr. Jacobs' comments and perspective most helpful. Mr. Jacobs is respectful, he will listen and work to understand arguments to a problem. Mr. Jacobs is thoughtful. He will search for information to make informed decisions.

I believe Glen R. Jacobs would be a valuable addition to the Tuolumne Utilities District Board of Directors. If you wish to contact me, my phone number is listed above and my email address is below.

Sincerely,

Bryan Boudreau, PE
Boudreau Engineering Inc.
Bryan@BoudreauEngineering.com