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Application for Vacant Town Council Seat

Term will expire January 3, 2022

Application Deadline: 5:00 p.m. Wednesday, March 10, 2021

APPLICANT INFORMATION:

Name: William GAST

Address: 1352 E RED SAGE APPLE VALLEY, UT 84737
Street City State Zip Code

Telephone Number: 435-319-5133

Email Address: wgast@POWERWATCHER.COM

QUALIFICATIONS:

I certify that I meet the following Qualifications:

I am a citizen of the United States. ☒ Yes ☐ No

I am a registered voter in the Town of Apple Valley. ☒ Yes ☐ No

I have been a resident of the Town of Apple Valley or a resident of a recently annexed area of the Town of Apple Valley for the previous twelve (12) months. ☒ Yes ☐ No

I have not been convicted of a felony. ☒ Yes ☐ No

CERTIFICATION OF APPLICANT:

PLEASE READ THE FOLLOWING PARAGRAPH CAREFULLY BEFORE SIGNING.

I certify that all statements made in this application are true and complete and understand that any misrepresentation of material fact in this document or during an interview may subject me to disqualification.

I understand that information provided on this application is a public record and authorize the Town of Apple Valley to release the information contained herein.

William Gast

Applicant's Signature

MARCH 2, 2021

Date

All applicants are requested to submit, with the application, a resume and a brief one (1) page written statement explaining why you are interested in serving on the council and any prior involvement in Town or community organizations or activities.



William A. Gast, Jr., CEM, DCEP, LEED AP, CBCP

DIRECTOR, GLOBAL DATA CENTER ENGINEERING, INNOVATION, & SUSTAINABILITY

William (Bill) Gast, Jr. is a Senior Director at CenturyLink and is a part of CenturyLink's data center management team. Specializing in data centers (Efficient Electrical, Efficient Cooling, and DCIM) and high-performance buildings, Bill has more than 20 years of experience in designing and building cost effective and efficient data centers in the U.S. and abroad, he has designed and constructed many ultra-high efficiency data centers (Patent App# 2010225997). He has trained and led engineering and construction teams for the past 10 years. A focused and empathetic leader, his skills and ability achieve superior results. Conversant in Spanish and great depth of experience in global data center operations and controls.

Areas of Expertise

Data center design, energy efficiency, cost effective expansions and upgrades.

Education

Bachelor of Science in Engineering Management, Minor in Naval Science – University of Utah – Salt Lake City

MBA Coursework – Marriott School of Business – Brigham Young University

MBA Coursework – Leavey School of Business – Santa Clara University

Affiliations

Certified Energy Manager (CEM)
Data Center Energy Practitioner (DCEP)

LEED AP

Certified Building Commissioning Professional (CBCP)

Member ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers)
Member AEE (American Energy Engineers)

Military

Naval Aviator with 12 years of flying experience (O-5) Commander
Nuclear Power Engineering Laboratory Technician (E-5) Petty Officer on Nuclear Submarine

Experience

**DIRECTOR, Global Data Center Energy, Sustainability and Innovation
CENTURYLINK (2014 – 2018)**

Responsible for both design and retrofit data center work globally. His team consists of the most experienced data center engineers in the company including Design, Construction, Controls, and Commissioning teams. In 2016 his team certified 20 US data centers (60% of the total US portfolio) as "Energy Star". His team was awarded the 2016 Data Center "Energy Efficiency Design" by Data Center Dynamics. In 2015, his teams identified over \$30 million in energy savings in the existing portfolio of 57 data centers. Construction projects implemented in 2015 will deliver annually 56.5 Gigawatt-hrs of energy reduction, \$5.7 million of reduced energy expenses, \$3.1 million in Utility Incentives, all resulting in equipment refresh and a 36% Return on Investment.

By thinking outside the box and implementing innovative designs that are efficient and cost effective, his teams are delivering capacity increases at a cost of \$2,000-\$3,000 per kW which is significantly lower than the \$11,000 per kW industry tier 2 average.

Developed high performance DCIM that is integrating data center performance metrics with lower cost hardware infrastructure and providing both metrics and analytics to measure automatically the performance and possible issues of 60 data centers world-wide.

From design to controls to commissioning, Bill's team is recognized as the best in the industry for superior colocation, managed, and cloud data center facility performance.

https://youtu.be/CS_Hgh_hCMg (Chiller in a box interview)

<https://www.linkedin.com/in/william-gast-a0b94829>

William A. Gast, Jr., CEM, DCEP, CBCP, LEED AP

DIRECTOR, Global Data Center EFFICIENCY, INNOVATION, AND SUSTAINABILITY

Experience (continued)

Senior Energy Engineer Level III, CLEAResult Consulting, Inc.
(2011 – 2014)

Handpicked to develop a data center design-build program for CLEAResult and Implement data center utility programs nation-wide. Responsible for both new construction and retrofit data center work in the U.S. and abroad. Specifically, in 2013 alone, his projects annual cost savings totaled \$5,017,000 reduced demand by 1,839 kW, and saved 16,521,409 kWh of energy. Customers included REI, IBM, Sabey, Morgan Stanley, State Street Bank, CenturyLink Technology Solutions, Alaska Air, QTS, CISCO, DELL, the State of Utah (Dept. of Technical Services), Overstock.com, Jet Blue, Fusion-io, Viawest, Voonami, and Tonaquint. Bill designed and implemented the most energy efficient data center in Utah (PUE = 1.08) and patented a process for high efficiency data center cooling.

Building Performance Engineer, Mechanical Service & Systems, Inc.
(2006 – 2011)

Led Mechanical Service & Systems, Inc. to become the major mechanical contractor for building and retrofitting ultra-efficient data centers in the intermountain region. Built or upgraded over 23 data centers. He helped reduce the time to complete ASHRAE Level 2 audits from six weeks to two weeks through software implementation of new system. Bill helped develop a SQL based .net program "Powerwatcher" that provides measurement & verification of implemented project ECMs.

Vice President and General Manager, Yamas Controls, Inc.
(2002 – 2006)

Bill had P&L responsibility for 68 employees and \$24M of business in the intermountain region. Region was highest GM and EBITDA in organization. Had lowest contract churn of any division in the company. #1 salesman in Intermountain West prior to accepting position as VP/GM Part of the transition team that resulted in the sale of Yamas Controls to Schneider Electric in 2006. Pioneered the use of Tridium Niagara products in the company. Implemented many energy performance projects in Utah and Idaho.

President / CEO, NITEC, Inc.
(1990 – 1997)

Bill coordinated and implemented strategies to maximize company profits and customer satisfaction. He implemented regional energy projects that resulted in customer savings of more than 12.75 million kWh per year. Bill directed customer relations for national and international clients, and led the coordination of manufacturing and operations in Chile, Mexico, Republic of South Africa, and the Netherlands. He designed and patented control systems for controlled atmosphere gas applications (#5,649,995 & #5,799,495).

Senior Sales Engineer, BOC Gases (Airco)
(1987 – 1990)

Naval Flight Officer, US Navy Commander (O-5)
(1982 – 1997)

CONTACT:

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