

CITY OF EL PASO, TEXAS
AGENDA ITEM DEPARTMENT HEAD'S SUMMARY FORM

DEPARTMENT: El Paso Water Utilities Public Service Board

AGENDA DATE: December 9, 2014

CONTACT PERSON/PHONE: Robert D. Andron, General Counsel, EPWU (915) 594-5607

DISTRICT(S) AFFECTED: All Districts

SUBJECT:

APPROVE a resolution / ordinance / lease to do what? **OR**
AUTHORIZE the City Manager to do what? Be descriptive of what
we want Council to approve. Include \$ amount if applicable.

Consider and take action to adopt a Resolution to appoint a member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category to fill an expiring term on one member.

BACKGROUND / DISCUSSION:

Discussion of the what, why, where, when, and how to enable Council to have reasonably complete description of the contemplated action. This should include attachment of bid tabulation, or ordinance or resolution if appropriate. What are the benefits to the City of this action? What are the citizen concerns?

The term of one member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category is expiring December 31, 2014. City of El Paso Ordinance Number 017167 requires the El Paso Water Utilities Public Service Board Selection Committee whose membership consists of Public Service Board Members and persons appointed by City of EL Paso City Council Representatives meet and, after deliberation recommend and present to the El Paso City Council a slate of three candidates from which the Engineering category member will be selected by the City Council.

PRIOR COUNCIL ACTION:

Has the Council previously considered this item or a closely related one?

Yes. As a vacancy arises in the El Paso Water Utilities Public Service Board of Trustees, the City Council has appointed a member to serve on the board from a slate of three recommended and presented candidates in accordance with action of the El Paso Water Utilities Public Service Board Selection Committee which was established by City Ordinance. The City Council most recently appointed by Resolution a member of the El Paso Water Utilities Public Service Board of Trustees December 10, 2013.

AMOUNT AND SOURCE OF FUNDING:

How will this item be funded? Has the item been budgeted? If so, identify funding source by account numbers and description of account. Does it require a budget transfer?

The El Paso Water Utilities Public Service Board of Trustees is funded through the budget of the El Paso Water Utilities.

BOARD / COMMISSION ACTION:

Enter appropriate comments or N/A

The El Paso Water Utilities Public Service Board Selection Committee passed and adopted a Resolution, November, 19, 2014 adopting the following slate of three eligible candidates to an appointment in the Engineering category as an El Paso Water Utilities Public Service Board of Trustees member: 1. David C. Nemir, PhD & P.E.; 2. David R. Brosman, P.E.; and 3. Bradley Roe, P.E. The Committee set forth the candidates in order of preference as shown. The candidate listed as number one is eligible for reappointment to a four year term. Also attached are the resume for each candidate.

*****REQUIRED AUTHORIZATION*****

LEGAL: (if required) _____ **FINANCE:** (if required) _____

DEPARTMENT HEAD:

(Example: if RCA is initiated by Purchasing, client department should sign also)

Information copy to appropriate Deputy City Manager

APPROVED FOR AGENDA:

CITY MANAGER: _____ **DATE:** _____

AGENDA LANGUAGE

THIS IS THE **WORDING** FOR THE CONSIDERATION AND ACTION FOR A RESOLUTION APPOINTING A MEMBER OF THE EL PASO WATER UTILITIES PUBLIC SERVICE BOARD OF TRUSTEES: :

CONSIDERATION AND ACTION ON A RESOLUTION TO APPOINT A MEMBER OF THE EL PASO WATER UTILITIES PUBLIC SERVICE BOARD OF TRUSTEES IN THE ENGINEERING CATEGORY - DECEMBER 9, 2014

CONSIDERATION AND ACTION ON A RESOLUTION appointing a member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category.
(All Districts) [Robert D. Andron (915) 594-5607] [December 9, 2014]

2014 NOV 25 AM 9:06

RESOLUTION

Whereas, by Ordinance Number 017167 the City of El Paso has set out that any vacancy in the membership of the El Paso Water Utilities Public Service Board (Board) shall be filled by the City Council from three persons eligible to serve as Board members and presented to the City Council; and,

WHEREAS, the Ordinance further provides that a selection committee selected by the City Council and comprised of the Board and such additional members as appointed by the City Council shall agree upon and submit to the City Council the names of such three eligible persons; and,

WHEREAS, a vacancy in the Board shall occur on December 31, 2014 with the expiration of the term of Dr. David C. Nemir, eligible for reappointment in the engineering position on the Board; and,

WHEREAS, by the El Paso Water Utilities Public Service Board Selection Committee met November 19, 2015 pursuant to the Texas Open Meetings Act and in quorum approved the nomination and presentation to the City Council the following candidates to fill the vacancy:

1. David C. Nemir, PhD., P.E.
2. David R. Brosman, P.E.
3. Bradley Roe, P.E.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF EL PASO, TEXAS THAT:

The City of El Paso, Texas hereby appoints _____ to fill the vacancy in the Engineering category on the El Paso Water Utilities Public Service Board of Trustees. The term of appointment shall commence on January 1, 2015 and shall be for four (4) years.

PASSED, APPROVED and ADOPTED this _____ day of December, 2014.

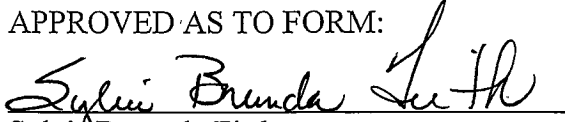
THE CITY OF EL PASO

Oscar Leeser
Mayor

ATTEST:

Richarda Duffy Momsen
City Clerk

APPROVED AS TO FORM:



Sylvia Borunda Firth
City Attorney



TO: Tommy Gonzalez, City Manager
El Paso, Texas

FROM: Robert D. Andron, General Counsel
El Paso Water Utilities Public Service Board

DATE: November 20, 2014

SUBJECT: Request to place Item on City Council Agenda-Resolution
Regular City Council Meeting-December 9, 2014

Consideration and Action on a Resolution to appoint a member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category to fill a vacancy occurring December 31, 2014.

(All Districts) El Paso Water Utilities, Robert D. Andron, General Counsel (915) 594-5607

Background:

The term of one member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category is expiring December 31, 2014. The City of El Paso Ordinance Number 017167 established the El Paso Water Utilities Public Service Board of Trustees Selection Committee consisting of members of the Board and persons appointed by City of El Paso City Council Representatives and requires that the Selection Committee meet and, after deliberation, recommend and present a slate of three eligible persons from which the Engineering category Board member will be selected and appointed by the City Council. Attached is a copy of the explanatory page for PSB Areas of Expertise, Education and Experience for the Engineering category.

ACTION REQUESTED:

That the City Council pass and adopt a Resolution appointing an El Paso Water Utilities Public Service Board of Trustees member in the Engineering category from the slate of three eligible persons recommended by the Selection Committee pursuant to City Ordinance.

REQUEST TO PLACE ITEM ON THE CITY COUNCIL AGENDA

Attached is a copy of the Resolution passed and adopted by the El Paso Water Utilities Public Service Board Selection Committee at the conclusion of its meeting on Wednesday, November 19, 2014 setting forth the candidates and the preference of the Selection Committee in order. The candidate listed as number one is eligible for a reappointment to a four year term. Attached are the resume for each candidate.

Also attached is a proposed City Council Resolution appointing one member of the El Paso Water Utilities Public Service Board of Trustees in the Engineering category whose term will begin January 1, 2015. Upon passage and adoption it is requested that the City Clerk provide this office an original of the fully executed document.

Please advise this office of the placement of this item on the City Council Agenda and my Secretary will contact the City Clerk and make arrangements to have document packets hand-delivered to the City Clerk's Office and email backup documents as noted to those listed below. If there are any questions, please call me at 594-5607 or email bandron@epwu.org. El Paso Water Utilities Staff will attend the City Council meeting. Thank you for your kind attention to this matter.

Attachments

Cc: The Honorable Mayor Oscar Leeser (email)
City Council Representatives (email)
Sylvia Firth, City Attorney (email)
Richarda Duffy-Momsen, City Clerk (hard copies & email)
John Balliew, P.E., President/CEO PSB (email)
Marcela Navarrete, CPA, VP Strategic, Financial and Management Services (email)
R. Alan Shubert, P.E., VP Operations and Technical Services (email)

PSB AREAS OF EXPERTISE, EDUCATION AND EXPERIENCE

Engineering:

Professional knowledge and experience in engineering (Registered Professional Engineer preferred). Knowledge of civil, structural, mechanical, or electrical engineering principles, standards, and practices, environmental and other pertinent codes, regulations and mandates; comprehensive knowledge of engineering methods and theories; knowledge and application of administrative, budgetary and managerial policies and procedures as they apply to design and construction engineering. Ability to evaluate capital projects to include: facility construction; water, wastewater, reclaimed water and stormwater projects; expansion projects, etc.

Bachelor's degree in Engineering (Civil, Chemical, Mechanical, Structural Environmental, or Electrical engineering; community involvement experience that accents demonstrated leadership; no conflicts of interest; abide by a specified code of ethics; and no current political office held. Considerable experience in planning, design and/or combination of engineering projects is a requirement. Registration as a professional engineer is desirable.

RESOLUTION

Whereas, by Ordinance Number 017167 the City of El Paso has set out that any vacancy in the membership of the El Paso Water Utilities Public Service Board (Board) shall be filled by the City Council from three persons eligible to serve as Board members and presented to the City Council; and,

WHEREAS, the Ordinance further provides that a selection committee selected by the City Council and comprised of the Board and such additional members as appointed by the City Council shall agree upon and submit to the City Council the names of such three eligible persons; and,

WHEREAS, a vacancy in the Board shall occur on December 31, 2014 with the expiration of the term of Dr. David C. Nemir, eligible for reappointment in the engineering position on the Board; and,

WHEREAS, by the El Paso Water Utilities Public Service Board Selection Committee met November 19, 2015 pursuant to the Texas Open Meetings Act and in quorum approved the nomination and presentation to the City Council of persons eligible to fill the vacancy;


NOW THEREFORE, BE IT RESOLVED BY THE EL PASO WATER UTILITIES PUBLIC SERVICE BOARD SELECTION COMMITTEE THAT:

The following candidates are presented and recommended for appointment to fill the vacancy in the Engineering category on the El Paso Water Utilities Public Service Board of Trustees. The candidates are listed in order of preference of the Committee: 1. DR. NEMIR; 2. D. BRASMAN; and, 3. DR. ROE.

The term of appointment shall commence on January 1, 2015 and shall be for four (4) years.

PASSED, APPROVED and ADOPTED this 19th day of November, 2014.

EL PASO WATER UTILITIES
PUBLIC SERVICE BOARD
SELECTION COMMITTEE


Temp. Chair



PSB Selection Committee
Wednesday, November 19, 2014

Engineering Position

SCORING OF CANDIDATES

CANDIDATES	NUMBER OF VOTES:	RANK
RICHARD BARRETT	0	0
DAVID BROSMAN	17	2
GREGORIO LOYA	0	0
DAVID NEMIR	24	1
BRADLEY ROE	13	3
JOSHUA SANCHEZ	0	0



Committee Chairman

11/19/14

Date



General Counsel

11/19/2014

Date

1221 E. Baltimore Drive
El Paso, TX 79902

David C. Nemir

tel: (915) 533-5628
cell: (915) 449-1907

Public Services Board Selection Committee
c/o Ms. Paula Apodaca, Consumer Affairs Officer
papodaca@epwu.org

October 27, 2014

Dear Ms Apodaca,

I wish to be considered for reappointment to the El Paso Public Service Board for the engineering slot. I have found Board service to be extremely rewarding and I believe that I have had a constructive voice in both oversight of EPWU management and in strategic planning efforts to ensure adequate water service for El Pasoans for the next fifty years and beyond.

The PSB is perhaps the most important board in El Paso and I am hopeful for a reappointment. I am attaching a resume.

Yours truly,



David C. Nemir

Address: [REDACTED]

Work tel. [REDACTED]

EDUCATION

MBA, University of Texas at El Paso, El Paso, TX, 2005
PhD in Electrical Engineering, Purdue University, West Lafayette, IN, 1986
MS in Engineering, Gammon University, Erie, PA, 1981.
BS in Electrical Engineering, University of Texas, Austin, TX, 1978.

WORK EXPERIENCE

11/95-present Founder and president of X-L Synergy, LLC (www.xlsynergy.com), an El Paso, TX engineering R&D company that developed and sold the *Faultless Plug*® line of electrical shock protection cordsets. Since 4/2007, Co-founder and president of TXL Group, Inc. (www.txlgroup.com), an El Paso, Texas developer of thermoelectric generation technology. Applications include sensor powering from low level temperature differences and energy capture from waste heat.

I am responsible for all aspects of these businesses including business plan execution, acquisition of agency compliances (FDA, FCC, UL), and accounting oversight. I direct quarterly board meetings and annual shareholders meetings. Through X-L Synergy, I provide forensic and electrical safety consulting services to outside parties.

9/87 – 5/96 Assistant professor (1987-1991) and tenured associate professor (1992-1996) of electrical engineering at the University of Texas at El Paso. While at UTEP, I taught 10 courses out of a 22 course electrical engineering inventory including undergraduate networks theory, electronics, probability, statistics and graduate control theory. I supervised 11 Masters students and the very first PhD student to graduate from UTEP (prior to 1990, UTEP only had a geology doctorate). I was twice the recipient of the C.R. Nichols teaching award, conferred annually by the electrical engineering honor society. I served on the campus intellectual property committee and played an active role in developing the policies regarding patent prosecution, licensing and marketing activities.

From 9/2012 to 5/2013 I taught management as a Clinical Professor of Corporate Enterprise in the graduate business school at UTEP.

9/82 – 12/86 Research assistant, teaching assistant and lecturer, Purdue University, West Lafayette, IN.

7/78 – 8/82 General Electric Company, Erie, PA. Designer of microprocessor based motor controls.

RECENT PUBLICATIONS

U.S. Pat. No. 8,668,866, Shockwave Fabrication of Thermoelectric Materials, Issued March 11, 2014.

U.S. Pat. No. 8,411,467, Ultra-Low Voltage Boost Circuit, Issued April 2, 2013.

J. Beck, M. Alvarado, D. Nemir, M. Nowell, L. Murr and N. Prasad, "Shock-wave consolidation of nanostructured bismuth telluride nanopowders", *Journal of Electronic Materials*, vol 41, no. 6, 2012, p 1595-1600.

U.S. Pat. No. 8,231,240, Surface Lighting Devices Having a Thermoelectric Power Source, Issued July 31, 2012.

J. Beck, D. Nemir and V. Kreinovich, "Minimum description length (MDL) principle as a possible approach to arc detection", *Applied Mathematical Sciences*, Vol. 4, no. 63, 2010, pp 3143-3152.

D. Nemir and J. Beck, "On the Significance of the Thermoelectric Figure-of-Merit Z ", *Journal of Electronic Materials*, vol 39, No 9, 2010, pp 1897-1901.

U.S. Pat. No. 7,635,284, Programmable Appliance Controller, issued December 22, 2009.

J. Beck, D. Nemir and V. Kreinovich, "Mathematical justification of spectral/covariance techniques: on the example of arc detection", *Applied Mathematical Sciences*, Vol 3, no. 22, 2009, pp 1081-1089.

V.B. Munoz, L.E. Murr, D. Nemir, R. Lovrenich, E. Rubio, E.Y. Martinez, S.M. Gaytan and M.I. Lopez, "Characterization of 3-phase (ternary-like) n-type and p-type thermoelectric materials fabricated by explosive (shock-wave) consolidation", *Journal of Materials Characterization*, vol 59, 2008, pp 1258-1272.

U.S. Pat. 7,366,622, Arc Fault Identification Using Model Reference Estimation, Issued 4/29/2008.

U.S. Pat. 7,292,419, Fault Interrupter with Interchangeable Line Load Connections, Issued 11/6/2007.

U.S. Pat. 7,221,106, Cordset Based Appliance Controller, Issued 5/22/2007.

J. Beck and D.C. Nemir, "Arc Fault Detection through Model Reference Estimation", *SAE Trans. Journal of Aerospace*, Vol 114, July 2006. [Recipient of SAE Arch T. Colwell Merit Award for best paper of 2006].

D.C. Nemir, A. Martinez and B. Diong, "Arc Fault Management Using Solid State Switching", *SAE Trans. Journal of Aerospace*, Vol. 113, July, 2005.

U.S. Pat. 6,843,766, Fecal Incontinence Management Device, Issued 1/18/2005.

U.S. Pat. 6,831,819, Fail Safe Fault Interrupter Using Secondary Breaker, Issued 12/14/2004.

U.S. Pat. 6,700,333, Two Wire Appliance Phase Controller, Issued 3/2/2004.

PROFESSIONAL ASSOCIATIONS

1992 – present. Registered Texas Professional Engineer.

2001 – present. Founding member of Underwriter Laboratories STP-943 Standards Committee on Ground Fault Interrupt Devices.

2004 – present. Member of Underwriter Laboratories STP-1699 Standards Committee on Arc Fault Protection devices.

SPECIAL ABILITIES

Experience with FDA compliance issues, 510K premarket approval of new devices, foreign and domestic manufacturing and patent development and application. Appeared before the Consumer Product Safety Commission and obtained compliances for commercial products from the FCC, FDA and UL. Negotiated a number of technology licenses. Experience with writing business plans, technology transfer and business start-ups.

OTHER

1999-2001 Member Executive Committee for CEBus Industry Council developing protocols for wireless and powerline home automation communications (member companies included Microsoft, Hitachi and General Electric).

2007 – 2012 Member El Paso County Board of Ethics (2007 – 2011) and El Paso County Ethics Commission (2009 – 2012). These entities were formed to oversee ethics complaints raised in regard to El Paso County employees and elected officials. The Ethics Commission was formed in November 2009 and I chaired this body as it finalized the first Texas county code of ethics having the statutory standing to impose fines.

2009-present. Member Advisory Board for University of Texas at El Paso Center for Research Entrepreneurship and Innovative Enterprises. This board meets semiannually to provide oversight on technology development and transfer at UTEP.

2010 – present. Member UTEP Mechanical Engineering Advisory Board. This board provides external advice and counsel regarding curriculum, research and overall direction of the department.

2011 – present. Member El Paso Public Service Board. Appointed by El Paso City Council, the PSB exercises management oversight over El Paso Water Utilities (annual budget over \$300 million) and conducts strategic planning for water resources. Member of the engineering and finance subcommittees.

2013 – present. Member Ysleta Science, Technology, Engineering and Mathematics (STEM) advisory board. This board meets monthly to advise on high school STEM programs and outcome tracking.

Paula Apodaca

From: David Nemir <david.nemir@gmail.com>
Sent: Tuesday, October 28, 2014 11:02 AM
To: Paula Apodaca
Subject: Application for PSB board vacancy
Attachments: Nemir-PSB App Cover Letter 10-27-2014.pdf; David Nemir Resume 10-21-2014.pdf

Dear Paula,

I wish to apply for reappointment to the Public Service Board. I am attaching a statement of interest and a resume.

Best regards,

David Nemir

David R. Brosman, P.E.
[REDACTED]
[REDACTED]
[REDACTED]
[REDACTED]

October 29, 2014

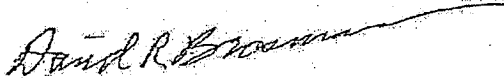
John Balliew
President
El Paso Water Utilities
1154 Hawkins
El Paso, TX. 79961

Dear John Balliew:

I respectfully request that I be considered for a seat on the Public Service Board. I have 45 years of successful Engineering and management in the Utility industry, both as a private consultant and a public employee. I was employed by El Paso Water Utilities and have a comprehensive knowledge of all aspects of the Utility. I am currently retired but that gives me time to dedicate to the position and assures that I have no conflicts of interest.

Attached is a detailed resume of my work experience. Please feel free to contact me if you have any questions.

Sincerely,



David R. Brosman

Enclosure

BIOGRAPHICAL INFORMATION

DAVID R. BROSMAN, P.E.

Provided for application to the Public Service Board

HOME PHONE

E-MAIL:

HOME ADDRESS:

WORK EXPERIENCE:

- 10/90 to 3/13: Deputy General Manager and Chief Operations Officer for EPWU directly responsible for Water Operations, Wastewater Operations, Engineering and direct support services.
- 2/81 to 10/90: City of Albuquerque – began as Wastewater Operations Engineer and promoted to Wastewater Division Manager to Assistant Director, Public Works for all Water and Wastewater Operations.
- 2/78 to 2/81: Principal Engineer, Scanlon and Associates, Albuquerque, New Mexico. Responsible for water and wastewater projects in New Mexico and served on Board of Directors which at the time was an employee owned firm.
- 1/72 to 2/78: Bryant-Curington, Inc., Austin, Texas. Project Manager for Sanitary Engineering Projects rising to Vice President of the 100-man consulting firm.
- 9/70 to 1/72: Graduate Student and Research Assistant.
- 4/66 to 8/70: Officer in the U.S. Navy – Civil Engineer Corp.
- 6/65 to 4/66: Field Engineer – Chicago Bridge and Iron

EDUCATION:

Bachelor of Science in Civil Engineering, University of New Mexico, 1965.

Master of Science in Environmental Health Engineering, University of Texas at Austin, 1972 (Also, earned an extra 15-credit hours towards another degree).

LICENSES:

Registered Professional Engineer in Texas (35887) and New Mexico (6646) and previously four other states when required as a consultant.

SPECIAL AWARD:

El Paso "Engineer of the Year 1995" awarded by TSPE, ASCE and several other professional organizations.

**PROFESSIONAL
ORGANIZATIONS:**

American Society of Civil Engineers
 American Water Works Association
 Founding Member and First President of the Local AWWA Chapter.
 Water Environment Federation
 National Association of Clean Water Agencies (NACWA)
 Elected to Board of Directors of NACWA.
 Western Coalition of Arid States (WESTCAS); alternate Board Member for Texas.
 Texas Association for Clean Water Agencies (TACWA); served as Treasure/Secretary in 1992 and President in 1993.

**PREVIOUS PROFESSIONAL
ORGANIZATIONS:**

National Society of Professional Engineers
 New Mexico Water/Wastewater Association (former President).
 New Mexico Involvement committee on Wastewater; leading founder – similar to NACWA
 Water Well Association
 New Mexico Hazardous Waste Association

**PUBLICATIONS/
PAPERS:**

Two publications in National Journals.

In the past ten years – 13 technical papers at State, regional or national conferences.

**SPECIAL
COMMITTEES:
(last few years)**

Texas Advisory Committee on Sludge Regulations – TCEQ
 TACWA Chairman on Negotiating with EPA Region VI Pollution Prevention Program requirements.
 National EPA advisory committee "operators caucus" for development of national EPA Sanitary Sewer Overflow Policy.
 AWWA committees for start up of a joint AWWA – WEF Local Chapter.
 TACWA – WET LIMITS for Texas
 Member of a national committee sponsored by EPA and 6 national organizations to develop criteria for "Effective Utility Management".

**SPECIAL ATTRIBUTE
FOR THIS POSITION**

I have 45 years of successful Engineering and management experience in the Utility field. I have detailed knowledge of all aspects of EPWU. I am currently retired and have the time to dedicate to the position and I have no potential conflicts of interest.

PROFESSIONAL EXPERIENCE
OF
DAVID R. BROSMAN, P.E.,
CHIEF OPERATIONS OFFICER
EL PASO WATER UTILITIES

October 1990 –
March 2013

As Deputy General Manager and Chief Operations Officer of the El Paso Water Utilities, I have been directly responsible for management of the Water and Wastewater Operations Divisions, the Engineering Division, the Colonias and Border Projects Section, and supporting sections of Regulatory Compliance, Industrial Pretreatment, Reclaimed Water, Laboratory, Contract Administration, Vehicle Maintenance, Building Maintenance and storm water operations. The employees under my span of management control provide the majority of the Utility's day-to-day services to provide water and wastewater services to 650,000 people. The Utility operates a complex water system with two surface water Plants and 156 groundwater Wells and has 15 different pressure zones. The Wastewater System includes four Wastewater Plants and 70 Lift Stations. One of the Wastewater Plants treats wastewater to drinking water standards and injects the effluent into our drinking water aquifer. I am responsible for an annual Operations and Maintenance budget in excess of \$60 million. I have executed and managed the Capital Improvements Program Budget up to \$60 million per year in expenditures. In addition, I began the Colonias Section and was responsible for \$120 million in water and wastewater construction to Colonia areas funded largely by Federal, State and County agencies. I chaired the The Public Service Board (PSB) Citizen's Advisory Committee on defining priorities and policies for serving areas outside the City which were adopted by the PSB.

I am very proud of the improvements in operational efficiencies obtained under my leadership. The Operations group has always been very lean as evidenced by enjoying one of the lowest water rates in the Southwest. Nevertheless, we reduced manpower by 13% over a 5 year period without layoffs between 1996 and 2001. I initiated an independent operations audit and working with my staff accepted and rejected suggestions from the report and I authored "plan 2001" which was presented to the PSB as a planned force reduction. We met the goal in Operations. The plan relied on improved automation and maintenance management. Virtually all operations sections reduced staff but

the largest gains were in the Treatment Plants. We provided cross-training of operations and maintenance personnel and created Treatment Plant Technician positions that had to do both functions. We implemented a common computerized maintenance management system for all seven Water and Wastewater Plants and we have reached the ideal 70/30 ratio of preventative maintenance versus corrective maintenance. We implemented "Predictive Maintenance" practices. We improved automation and information system. Over the past few years we dramatically cut water production losses from our old water plant. A combination of efforts between Finance and Operations (leak detection program) has reduced unbilled water from a good 14% to an excellent 8%.

I was a strong proponent of Total Quality Management and to date 85% of our operations staff have been trained in continuous process improvement principles and procedures. Each section has established what we call "Water Improvement Teams" (WIT). Over the past few years over 50 WIT reports have documented over \$3,000,000 in savings. I was the coordinator for the AWWA/WEF "Qual-Serve Program". I have been a member of the team including the entire PSB membership to develop our "Strategic Plan".

I'm also particularly proud the Utility's regulatory compliance during my tenure.. In water, we have successfully met new CT requirements, new arsenic standards lead/copper rule, coliform rule, disinfection by products rules, turbidity rules, ICR, Backflow Prevention Program, CAA Risk Management, CCR and others with minimal changes in organization and the addition of only one employee. We have long been rated "A Superior Water System" by the State of Texas. In wastewater, besides receiving many plant awards, we are one of the few large cities in Texas without an administrative order of any kind including Sanitary Sewer overflows. We have an aggressive sewer line maintenance program to minimize sewer overflows. We have an up to date Industrial Pretreatment Program. I was instrumental in leading a City wide steering committee to develop and seek PSB approval to implement a comprehensive Fats, Oils and Grease program (FOG). With just one additional employee we were able to fully implement the program. We are actively involved in TCEQ and EPA regulatory processes and we have put El Paso on the map as one who is complying with all regulations, but who also must be active partners in regulatory process and one that will not shy away from contesting unreasonable regulations. I have successfully contested proposed permits for the Bustamante Plant, Haskell, Fred Hervey and the Northwest Wastewater Treatment Plant that would have unnecessarily cost tens of millions of dollars. I have contributed to the Utilities comments on many regulatory topics from sludge to water conservation such that EPWU has significant credibility with TCEQ, TWDB, and EPA.

This is important in our pursuit of adequate water supplies and protection of the water quality of the Rio Grande.

We have significantly raised levels of state operator certifications and improved compliance in wastewater where the Utility has won fifty-three (53) NACWA Platinum, gold and silver awards for operational excellence. Furthermore, in 1996 the Utility went on to sweep first place in all three categories of wastewater treatment plant excellence for the State of Texas and EPA Region VI which culminated in winning 2nd in the EPA national competition in two categories. El Paso also won the 1992 Burke Award (national WEF) for safety and the 1994 NACWA award for Public Information and Education. Wastewater won the NACWA "Excellence in Management" Award in 2004 and 2007.

In recent years the Utility constructed over \$35 million in reclaimed water systems. I successfully integrated the operations of this third Utility between water and wastewater. We have invested in one position for this important project to save fresh water supplies.

Utility staff sought a new centralized laboratory for a dozen years but the PSB would not approve it in the CIP. In late 2001 the PSB tentatively approved the laboratory provided I could produce a convincing business plan. The plan was completed in April 2002 and presented to the PSB and they approved going forward with the laboratory.

In 2008, the utility took over storm operations from the city. I was responsible for the staffing and equipment purchases to initiate that service. On a fast track basis I also had to locate and develop field facilities..

I was directly responsible for meeting the Arsenic regulations. It involved managing a \$70 million CIP effort on a fast track basis. It was the largest arsenic compliance program in the nation to meet the regulations by January 2006 without seeking an extension of time for compliance. During that time I also served as a TCEQ stake holder on their implementation guidelines. This allowed us to avoid construction of onsite treatment of six lower valley wells.

I played a key role in the construction of the Desalination Plant. After the previous Chief Technical Officer left, I was placed in charge of managing the design and construction phase of this \$90 million project. My role was primarily the plant and line portion as Bill Hutchison ran all the wells projects and injection facilities.

I worked closely with our Finance Officer since joining EPWU. Over the years assumed responsibility for taking the lead with TWDB for many SRF loans including personally filling out applications for the priority list. I have worked closely with the Finance Department to identify necessary cash flow and

necessary appropriations in the capital program in order to develop a credible 5-year financial plan. I have had good relations with Finance since joining EPWU.

I prepared the Utility's first ten year capital improvements program (CIP) during the first year of employment and I still participate in annual updates. I managed all of Engineering from 1990 to 1999 but due to a reorganization, I subsequently directly managed 25% of the annual CIP program primarily treatment plants projects and other unique projects requiring close coordination with operations. The PSB has established a goal of less than 2% change orders on construction projects. Since joining the Utility I have been responsible for construction of over \$700,000,000 in projects and the sum total of all change orders in less than 1.2% over those years. In 1993 our Engineering Division won the Texas Society of Professional Engineers "Government Professional Development Award".

January 1989 –
October 1990

Assistant Director of Public Works Department for Utilities City of Albuquerque, New Mexico.

Experience

As Assistant Director of Public Works, I was directly responsible for almost all activities associated with providing water and wastewater service. This includes all operations and maintenance, utilities planning, engineering, construction, customer services, billing and the meter system. I was responsible for 550 personnel, an annual operating budget of \$38 million per year and a capital program of over \$40 million per year.

I maintained momentum on existing programs and began several new improvements to both the water and wastewater systems despite the considerable political upheaval wherein we have had three Public Works Directors, a major reorganization, as well as a new Mayor. I accomplished that by placing water and wastewater activities apart from the politics and by professionalism above all else at all levels. Service to our customer remained our highest priority.

In that brief period in this position, notable accomplishments included (1) a 20 percent increase in capital investment, (2) a ten year decade plan with detailed cash flows. (3) a doubling of our meter installation and the initiation of an extensive laboratory expansion and water quality analysis program to meet the Safe Drinking Water Act and Clean Water Act and, (5) initiation of project tracking by engineers with all regulations.

February 1981 –
January 1989

Liquid Waste Division
Public Works Department
City of Albuquerque, New Mexico

Experience:

I was Manager of the Liquid Waste Division in charge of the operation of the collection system, lift-stations, treatment facilities, water and wastewater laboratory, storm collection system, storm water pump stations and the industrial pretreatment program. In addition, I was responsible for the Liquid Waste Division's \$95 million, six year wastewater plant improvements program. I was managing an annual operating budget of \$12 million per year and 201 full-time employees and eight part-time interns.

I joined the City of Albuquerque's Liquid Waste Division during a difficult time. A court order had been placed on the City for control of treatment plant odors and phase out of Plant No. 1. The City was in the height of a controversial facilities plan amendment and significant construction and operational improvements were needed at the treatment plants. I began as the Plant Operations Engineer making extensive changes in training and staffing (without upheaval) and rapidly solved operational problems. In late 1982, it was obvious that inadequate design and construction progress was being made to meet the Liquid Waste Division's needs. A reorganization was made to allow Liquid Waste its own Engineering section in order to get these projects moving. I was placed in charge of this Capital Program (the single largest in City's history). I started this Engineering Section up and excellent construction progress was maintained. In late 1983, I was promoted to Manager of the Liquid Waste Division and successfully ran that operation including its capital program for several years until being promoted to Assistant Director of Public Works over both water and wastewater. In 1986, the Wastewater Plant earned EPA's award for best large secondary plant in the nation. This was the first year of EPA awards program and we earned it despite the large plant renovation project underway at the time.

January 1972-
February 1981

Consulting Engineer
Bryant-Curington, Inc., Austin, Texas (1972 – 1978)
Scanlon and Associates, Albuquerque, N.M. (1978 – 1981)

Experience:

Duties at both of these firms were similar and involved a wide range of administrative and engineering responsibilities. I rose to the position of Vice President of the 100 man firm of Bryant-Curington, before returning to my home state of New Mexico. At Scanlon and Associates, I was a Project Manager; however, I was extensively involved in the management of the company, including serving on the Board of Directors. At both firms, I supervised several engineers and draftsman. I had considerable involvement in establishing operating policies and in personnel employment. Significant portions of my time were related to direct client relations, project development and contract negotiations, as well as working with federal, state and local regulatory authorities.

As Project Engineer, I worked on numerous and varied civil and sanitary engineering projects performing a wide range of engineering tasks from initial conception through construction. Design projects included water lines, wastewater lines, lift stations, municipal and industrial wastewater treatment plants, water treatment plants, municipal and industrial wastewater treatment plant, municipal swimming pools and various site development projects. On many projects (of about 1 million dollars or less), I performed all design (except electrical) and did all construction management from conception through acceptance. On large projects (up to 25 million dollars) where a team effort was required, I worked in various capacities performing preliminary design, process design and general Civil Engineering design. I also conducted and wrote many engineering studies, including 201 facility plans, infiltration and inflow surveys, sanitary landfill studies, water quality studies, utility rate studies and long-range capital improvement programs for small municipalities. All projects were accomplished in a cost-conscious and profit-oriented manner.

September 1970 –
January 1972

Graduate Student and Researcher
The University of Texas

Experience:

During this period I attended school full-time and did research into "dual media water filtration". Earned 51 graduate hours (straight A's) and co-authored a University of Texas Center for Research in Water Resources Publication entitled "Intermixing of Dual media filters and Effects on Performance".

April 1966 –
August 1979

U.S. Navy Civil Engineer Corp.
Ensign, LTJG, Lt.

Experience:

October 1968 to August 1970

Resident Engineer on over \$13 million worth of construction at Camp Lejeune, North Carolina. Administered construction projects for the Navy, including supervision of ten inspectors. Did necessary coordination between designers and contractors, reviewed shop drawings, designed numerous field changes, made cost estimates of changes and negotiated numerous change orders (over 100 in two years). Projects included six sewage treatment plants, one water treatment plant, three aircraft hangers, two barracks, a mess hall and various other buildings, utilities, and support facilities.

October 1966 to October 1968

Assigned as Officer-in-Charge of Public Works at the Naval Air Station in Guantanamo Bay, Cuba. -- Duties included supervising 30 Seabees and 50 civilians (American and Foreign Nationals) in providing basic public works functions. This included operation of all utilities and transportation systems and maintenance of all permanent facilities on the Leeward side of the Base. Included necessary construction project and the planning for future needed facilities. Included support of "Marines On The Line".

April 1966 to September 1966
Officer Candidate School and Navy Civil Engineer Corp.
Training School

June 1965 --
April 1966

Field Engineer
Chicago Bridge and Iron

Experience:

Field Engineer responsible for field layout, general project coordination and quality control testing of large steel plate structures mostly for the Petrochemical Industry in the Los Angeles, California area.

June 1962 --
June 1965

Soils Testing Technician
U.S. Bureau of Reclamation and U.S. Air Force Civil Engineering Lab.

Experience:

Worked summers and part-time for three years as a Technician performing wide range of soils testing while attending college.

October 21, 2014

El Paso Water Utilities
Attn: Paula Apodaca, Executive Services Manager
1154 Hawkins Blvd.
El Paso, Texas 79925

Re: Applicant Board Vacancy

Dear Ms. Apodaca:

I am responding to the advertisement in the El Paso, Inc. Attached is my personal resume.

I am a registered engineer and surveyor in the State of Texas and have expertise in all phases of land development to include engineering, surveying and have done so far a multitude of subdivisions in the El Paso area. I can bring to the board the knowledge of development and the approvals required by the city, state, TCEQ and FEMA.

I have total involvement from the initial master planning and zoning to the field construction staking and final acceptance by the city. I have been doing this type of work since the early 80's involving several thousand acres as detailed on my resume. I have constructed several medical offices in the city, coupled with the required land development. Back in the 80's I constructed several homes on hillside development with difficult terrain. The subdivision was Los Compadres and I coined the construction "Footstep" design. Homes were built and the vegetation was left in its natural state adjacent to the home. Many homes had lift station to keep the disturbance to a minimum.

My community involvement has been Member and President of TSPE and Association of Builders along with Chairman of the ZBA for several years. One of my proudest accomplishments is being one of the Founding Fathers of LQVQ Los Que Van Quedando. In 1998 formed this Cathedral Alumni with a small group of graduates. Our main goal was to give scholarships to worthy students who could not afford a private school. To date our organization has given needy Cathedral students scholarships totaling over \$400,000.

I no longer own Roe Engineering, LC and looking to become more involved in the community. I would file an affidavit and abstain from any hiring of services from Roe Engineering.

Sincerely,

A handwritten signature in cursive script that reads "Bradley Roe". The signature is written in dark ink and is positioned above the printed name.

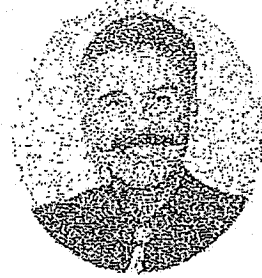
Bradley Roe, P.E., R.P.L.S.

**CIVIL ENGINEERING • LAND DEVELOPMENT • PLANNING • SURVEYING
POTABLE WATER • WASTE WATER**

BRADLEY ROE P.E. R.P.L.S

(P) [REDACTED] (F) [REDACTED]

Email: [REDACTED]



TITLE: Professional Engineer, Registered Professional Licensed Surveyor
P.E. 31886-April 1971
R.P.L.S. 2449-June 1979

CURRENT RESPONSIBILITIES:

With Roe Engineering, L.C. since 1980.
Provide professional services related to Civil Engineering, Land
Development, Planning and Field Surveying.

PAST EXPERIENCE:

Associate Engineer

Project engineer for 1000 acres in the development of Vista Del Sol to include all planning and engineering of single family, multi family, and commercial parcels. Responsible for all work done in conjunction with the master plan to include environmental impact studies, survey work, drainage reports, street design, and all appurtenance to include final city acceptance.

Planning and Design Engineer - Surveyor

Planned and designed airfields, gas-oil pipeline, subdivision, and completed water distribution and sewage collection system. Project engineer on construction of Taxiways at El Paso International Airport and project engineer for vehicle parking facilities at the El Paso International Airport. In charge of master planning several thousand acres in Horizon City to include street design, drainage reports, water distribution, sewage collection systems and all related survey work. All survey work was done under my supervision. Included boundary of several sections, topography, centerline control, grading and final property pins. 1000 acres of survey work in the Chaparral area to include topography, grading centerline control and final property pins. Other areas include Peyton Estates, Paseo Del Este, Mission Ridge, Emerald Estates, Valley Creek, Enchanted Hills, Bartlett Landing representing several thousand acres.

Project Field Engineer

Held the position of Project Field Engineer for: William Beaumont General Hospital in El Paso, Texas, East and West Satellites of El Paso International Airport, Student Union Building at University of Texas in El Paso.

EDUCATION

Bachelor of Science in Civil Engineering
University of Texas at El Paso - 1964

REGISTRATIONS

Licensed Professional Engineer in Texas
Registered Public Land Surveyor in Texas

HONORS - Community Involvement

Past President of Texas Society of Professional Engineers
Past President of El Paso Association of Builders
1990 Builder of the Year
Chairman and member of the ZBA several years El Paso
President and member of Cathedral Alumni LQVQ—16 years
Member Engineering Alumni Board UTEP—4 years
Member Chamber, El Paso, 12 years
Have been in several committees for the rewrite of Design Development Standard for City of El Paso

Bradley Roe has over 48 years of experience in construction and design.

Paula Apodaca

From: Bradley Roe <Bradroe@hotmail.com>
Sent: Tuesday, October 21, 2014 1:27 PM
To: Paula Apodaca
Subject: FW: Applicant Board Vacancy Paula Apodaca Executive Services Manager
Attachments: Applicant Board Vacancy.pdf

Ms Apodaca

Respectfully submit application and Resume for your consideration,

Bradley Roe, PE, RPLS
El Paso, TX 79902
P: 915-533-1418
F: 915-533-4972
C: 915-549-4616