

RESOLUTION

WHEREAS, the 81st Regular Session of the Texas Legislature passed H. B. 4004, signed into law by the Governor of Texas May 23, 2009 which amended Texas Government Code Section 1502.070 to provide that the management and control of a utility system may be vested in a board of trustees consisting of not more than seven members, one of whom must be the Mayor of El Paso;

WHEREAS, Ordinance No. 017167 passed and approved by the City Council on August 11, 2009, increased the composition of the El Paso Water Utilities Public Service Board from five (5) to seven (7) members;

WHEREAS, on December 31, 2010 a vacancy for the Engineering category will occur on the Board; and

WHEREAS, by Resolution dated August 11, 2009, the City Council of the City of El Paso established the El Paso Water Utilities Public Service Board Selection Committee, which met on November 10, 2010 and approved the nomination of the following candidates to fill the vacancy: John P. Quinn, David C. Nemir and Gilberto Mares.

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

That the City of El Paso hereby appoints _____ to fill the vacancy in the Engineering category. The term of the appointment shall commence on January 1, 2011 and shall be for four (4) years.

APPROVED THIS _____ DAY OF NOVEMBER 2010.

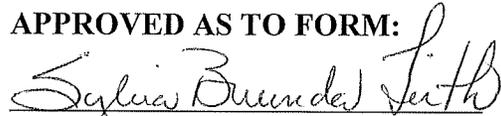
THE CITY OF EL PASO

John F. Cook, Mayor

ATTEST:

Richarda Duffy Momsen
City Clerk

APPROVED AS TO FORM:



Sylvia Borunda Firth
Senior Assistant City Attorney

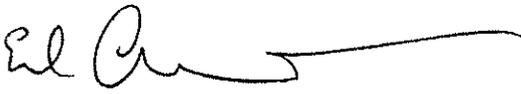


EDMUND G. ARCHULETA, P.E.

MEMORANDUM

Via Email Transmission

TO: Sylvia Borunda Firth, Director of Governmental Affairs
Chief of Staff Office of the Mayor

FROM: Edmund G. Archuleta, P.E. 
President/CEO

SUBJECT: PSB Selection Committee - Nomination of Candidates for PSB
Members

DATE: November 10, 2010

The Public Service Board Selection Committee met today, November 10, and approved the nomination of the following three candidates for the Engineering category for selection by City Council. There were seven applications received for this advertised position. The following individuals were ranked by the Committee as follows:

Engineering

1. John P. Quinn
2. David C. Nemir
3. Gilberto Mares

The individual selected by City Council will fill the vacancy that will occur when Chair Richard Martinez's second term ends on December 31, 2010.

Please have this item, as a request from the Mayor, placed on the next available City Council agenda. Attached are biographical sketches for each candidate.

If you have any questions or need further information, please let me know.

Attachments

cc: Mayor and City Council Representatives Joyce Wilson, City Manager
Public Service Board Richarda Momsen, City Clerk
Robert Andron, PSB General Counsel

P.O. BOX 511 • EL PASO, TX 79961-0001 • PHONE: 915-594-5501 • FAX: 915-594-5699

FREEPORT-McMORAN
COPPER & GOLD

Freeport-McMoRan Copper & Gold Incorporated Rod and Refining Operations
897 Hawkins, El Paso, TX 79915 • (915) 778-9881 • FAX (915) 782-7781

October 22, 2010

To: Paula Apodaca, Consumer Affairs Officer
El Paso Water Utilities
1154 Hawkins Blvd.
El Paso, TX 79925

From: John P. Quinn, General Manager
Freeport McMoRan Copper and Gold
El Paso Operations
897 Hawkins Blvd.
El Paso, TX 79915

Dear PSB Selection Committee:

Please accept this cover letter and resume as my application for the Public Service Board Engineering vacancy.

Presently, I am the General Manager at Freeport McMoRan Copper & Gold – El Paso Operations. My responsibilities include oversight of all functions (safety, environmental, productivity, financial and operational) at the El Paso electrolytic refinery and copper rod mill. Additional responsibilities include oversight of all copper rod and shape production at FMI facilities in Miami, AZ; Norwich, CT and Bayway, NJ. Prior to my current El Paso assignment I served as the Director, Customer Technical Marketing, Phelps Dodge Sales Company and worked out of the corporate office in Phoenix, Arizona.

I have both a Bachelor of Science and Master of Science degree in Metallurgical Engineering from Montana Tech in Butte, Montana. I have operational experience in gold mining; lead and copper smelting; antimony and copper refining and in the production of copper rod, wire and copper sulfate. Also, I worked for three years in the industrial chemical sales industry.

Over the last nineteen years I have held positions of increasing responsibility with the organization. I have also worked for other large mining companies including Asarco, Pegasus Gold, Phelps Dodge and the current Freeport McMoRan.

I would consider it an honor to provide continued community service by serving El Paso and surrounding region as a member of the Public Service Board. Thank you for your consideration of my application.

Regards,

John P. Quinn

John P. Quinn

(915) 775 – 7550 work

Work Experience

Currently:

- General Manager at Freeport McMoRan's El Paso Operations.
- Primary job responsibility is overseeing all activities related to electrolytic refining and rod milling operations.
- Also, responsible for oversight of copper rod operations in Miami, AZ; Norwich, CT and Bayway, NJ

Technical Experience:

- Director, Customer Technical Marketing for the world's largest copper rod producer.
- Primary job responsibility was to ensure product quality and customer satisfaction regarding product performance from the four rod mills, two wire mills, copper sulfate plant and electrolytic refinery.
- Driving to create value through the development and implementation of a market driven customer technical support function.
- Responsible for QA laboratories analytical service function and associated staff.
- Provide technical interface and support for entire rod customer base.

Operational experience:

- Three years as Metallurgist, Metallurgical Engineer and Metallurgical Supervisor at a large copper, lead and antimony smelting facility.
- Responsibilities included oversight of production, quality control and maintenance for roasting, calcining, smelting, matte converting and anode casting operations.

Sales and marketing experience:

- Three years as Field Sales Engineer for a specialty chemicals company.
- Responsible for sales and technical service engineering as related to the industrial water treatment and specialty chemical needs at industrial facilities.
- Required to capitalize on full business potential of territory and develop and maintain long-term relationships with key customers.

Research experience:

- Four years conducting graduate level course work for Master of Science degree and as Metallurgical Engineer in charge of large scale column leach testing for junior gold mining company.
- Responsible for process development and test work to oxidize and leach gold bearing sulfide ores.

Supervisory and Managerial experience:

- Twelve years as Department Head, Superintendent, Assistant Operations Manager and Operations Manager at electrolytic refinery, wire mill and rod plants at large copper mining company.

- Responsibilities included oversight of safety, environmental, cost control, product quality, capital budget, projects and production.

Educational Background and Training

Montana Tech	BS Metallurgical Engineering		1983
Montana Tech	MS Metallurgical Engineering		1988
Thunderbird International School of Management		2 week course	1995
University of Michigan	"Leading Change"	2 week course	1997
Rapport International	"Leadership Breakthrough"	3 day course	1998
Motorola University	"Six Sigma Introduction"	2 day course	1996
Stat-a-Matrix Institute	Six-Sigma Black Belt	5 week course	2006

Publications

Conversion of Chromium Phosphate by Sodium Carbonate Fusion; Master of Science Thesis; Montana College of Mineral Science and Technology; Butte, Montana

Pilot Scale Results of Metal Value Recovery From Mixed Metal Hydroxide Sludges; L.G. Twidwell, D. R. Dahnke, J.P. Quinn, P.G. Comba, W.L. Huestis; 8th AESF/EPA Conference on Pollution Control for the Metal Finishing Industry; San Diego, California

ICC/ANSI 117.1-1998 Accessible and Usable Buildings and Facilities.
Chapter 7.

703 Signs

703.1 General. Accessible signs shall comply with Section 703.

703.2 Characters that are both Tactile and Visual. Characters required to be tactile shall comply with Sections 703.2.1 through 703.2.8.

EXCEPTION: Tactile characters complying with Section 703.3, where separate visual characters complying with Section 703.4 provide the same information.

703.2.1 Braille. Tactile characters shall be duplicated in Braille complying with Section 703.5.

703.2.2 Finish and Contrast. Characters and their background shall have a non-glare finish.

Characters shall contrast with their background, with either light characters on a dark background, or dark characters on a light background.

703.2.3 Tactile Character Depth. Tactile characters shall be raised 1/32 inch (0.8 mm) minimum

above their background. Raised borders and elements that are not required shall be 3/8 inch (9.5 mm) minimum from tactile characters.

703.2.4 Character Forms. Fonts shall have characters complying with Sections 703.2.4.1

through 703.2.4.5.

703.2.4.1 Case. Characters shall be uppercase.

703.2.4.2 Style. Characters shall be sans serif. Characters shall not be italic, oblique, script, highly decorative, or of other unusual forms.

703.2.4.3 Width. Character width shall be 55 percent minimum and 110 percent maximum

of the height of the character, with the width based on the uppercase letter "O" and the height based on the uppercase letter "I."

703.2.4.4 Height. Character height, measured vertically from the baseline of the character, shall be 5/8 inch (16 mm) minimum, and 2 inches (51 mm) maximum, based on the uppercase letter "I."

David C. Nemir

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

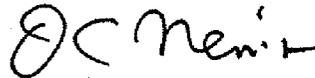
October 18, 2010

Dear Committee Members,

I am writing to ask your consideration for an appointment to the El Paso Public Service Board. I have a PhD in electrical engineering and a UTEP MBA. I have founded three engineering firms in El Paso over the past twenty three years and have paid a lot of water bills. I have served on a number of technical boards in the U.S. and am presently chairman of the El Paso County Ethics Commission with a term ending in January 2011.

The PSB is perhaps the most important board in El Paso, and I think I have a lot to offer. For your information, I am attaching a resume. I would appreciate your favorable consideration.

Yours truly,



David C. Nemir

Work tel: (915) 533-7800

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, Gannon University, Erie, PA, 1981.
BS in Electrical Engineering, University of Texas, Austin, TX, 1978.

WORK EXPERIENCE

- 10/06-present Co-founder and president of TXL Group, Inc. (www.txlgroup.com), an El Paso, Texas developer of thermoelectric generation technology for clean, renewable energy.
- 11/95 – present Founder and president of X-L Synergy, LLC (www.xlsynergy.com), an El Paso, TX engineering R&D company. Led all aspects of X-L Synergy's business including engineering oversight, business plan preparation, budgeting, licensing activities, grant writing, acquisition of agency compliances (FDA, FCC, UL), and patent prosecution. Oversaw and played a major role in accounting and marketing efforts. Scheduled and carried out quarterly board meetings and annual shareholders meetings. Provided forensic and electrical safety consulting services to outside parties.
- 1/89-12/96 Founder and president of X-L Electronics Inc., an El Paso, TX engineering consulting firm specializing in the design and manufacture of custom test equipment. Customers included United Technologies Automotive, Johnson & Johnson Medical, Cummins Diesel, Tony Lama, Antec Network Actives and RF Monolithics.
- 9/87 – 5/96 Assistant professor (1987-1991) and tenured associate professor (1992-1996) of electrical engineering, the University of Texas at El Paso. Taught courses in undergraduate and graduate probability, electronics and controls. Supervised 11 Masters students and the first PhD student to graduate from UTEP. Served on the intellectual property committee and played an active role in developing the policies regarding patent prosecution, licensing and marketing activities.
- 9/82 – 12/86 Research assistant, teaching assistant and lecturer, Purdue University, West Lafayette, IN.
- 7/78 – 8/82 Design engineer, General Electric Company, Erie, PA. Designed microprocessor based motor controls. Completed the three year A,B,C course training program for engineers.

PATENTS

D.C. Nemir, S. Hirsh and J.B. Beck, **Programmable Appliance Controller**, U.S. Patent 7,635,284 B1 issued 12/22/09.

D.C. Nemir and J.B. Beck, **Arc Fault Identification Using Model Reference Estimation**, U.S. Patent 7,366,622 B1, issued 4/29/08.

D.C. Nemir, **Fault Interrupter with Interchangeable Line Load Connections**, U.S. Patent 7,292,419B1, issued 11/6/07.

D.C. Nemir and S.H. Hirsh, **Cordset Based Appliance Controller**, U.S. Patent 7,221,106 B1, issued 5/22/07.

D.C. Nemir and E. Rubio, **Fecal Incontinence Management Device**, U.S. Patent 6,843,766 B1, issued 1/18/05.

D.C. Nemir, S.S. Hirsh and E. Rubio, **Fail Safe Fault Interrupter Using Secondary Breaker**, U.S. Patent 6,831,819 B2, issued 12/14/04.

D.C. Nemir and S.S. Hirsh, **Leakage Current Detection Based Upon Load Sharing Conductors**, Chinese Patent 03206446.2, issued 10/8/04.

D.C. Nemir and S.S. Hirsh, **Two Wire Appliance Phase Controller**, U.S. Patent 6,700,333 B1, issued 3/2/04.

D.C. Nemir, E. Rubio and S.S. Hirsh, **Fail Safe Fault Interrupter**, U.S. Patent 6,252,871 B1, issued 7/17/2001.

S.S. Hirsh and D.C. Nemir, **Shock and Arc Protection Device for an Electrical Distribution System**, U.S. Patent 5,973,896, issued 10/26/1999.

S.S. Hirsh and D.C. Nemir, **Electrical Fault Interrupt Circuits**, U.S. Patent 5,943,198, issued 8/24/1999.

S.S. Hirsh and D.C. Nemir, **Electrical Fault Interrupter**, U.S. Patent 5,844,759, issued 12/1/1998.

D.C. Nemir and R.A. Osegueda, **Method and Apparatus for Damping Vibrations**, U.S. Patent 5,168,673, issued 12/8/1992.

D.C. Nemir, **Apparatus for Treating Bruxism**, U.S. Patent 4,995,404, issued 2/26/1991.

JOURNAL PUBLICATIONS

D. Nemir and J. Beck, "On the Significance of the Thermoelectric Figure-of-Merit Z", **Journal of Electronic Materials**, 2010, DOI: 10.1007/s11664-009-1060-4 .

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.

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.

D.C. Nemir, Y.J. Lin and R.A. Osegueda, "Semiactive motion control using variable stiffness", **ASCE Journal of Structural Engineering**, vol 120, no 4, April 1994, pp 1291-1306.

C.J. Pierce, R.J. Weyant, H.M. Block and D.C. Nemir, "Dental splint prescription patterns: a survey", **Journal of the American Dental Association**, vol 126, no 2, February, 1995, pp 248-254.

D.C. Nemir, A.J. Koivo and R.L. Kashyap, "Pseudolinks and the self-tuning control of a nonrigid link mechanism", **IEEE Transactions on Systems, Man and Cybernetics**, SMC-18, no 1, pp 40-48, Jan/Feb 1988.

D.C. Nemir and R.L. Kashyap, "Certainty equivalence and the minimax principle in self-tuning control", **IEEE Transactions on Automatic Control**, AC-31, no 6, June, 1986, pp 587-590.

RESEARCH CONTRACTS (10 as sole PI for total of \$ 1.9 million)

NASA awarded a \$600,000 STTR Phase 2 contract to TXL Group, Inc., D.C. Nemir Principal Investigator, for research entitled "Shockwave Fabrication of High Performance Thermoelectric Materials". This is under contract NNX10CB69C for contract period 8/24/10 – 8/23/12.

NASA awarded a \$100,000 STTR Phase 1 contract to TXL Group, Inc., D.C. Nemir Principal Investigator, for research entitled "Shockwave Fabrication of High Performance Thermoelectric Materials". This is under contract NNX09CF76P for the contract period 1/22/09 – 1/21/10.

U.S. Air Force awarded a \$746,198 SBIR Phase 2 contract to X-L Synergy, D.C. Nemir Principal Investigator, for research entitled "Arc Fault Quenching for Mission Critical Systems". This is under contract FA8650-04-C-2488 for the contract period 7/23/04 – 2/28/07.

U.S. Air Force awarded a \$100,000 SBIR Phase 1 contract to X-L Synergy, D.C. Nemir Principal Investigator, for research entitled "Arc Fault Quenching for Mission Critical Systems". This was under contract F33615-03-M-2374 for the contract period 7/16/03 – 3/16/04.

The National Science Foundation awarded a \$105,246 contract to UTEP, D.C. Nemir Principal Investigator, for a project entitled "Electrical engineering projects to support research conducted at the National Solar Observatory", Grant #EID-9200391 for the contract period 6/1/92 – 5/31/94.

The National Institutes of Health awarded a \$49,860 contract for a project entitled "Home treatment device for nocturnal bruxism", This grant was awarded under the SBIR program to X-L Electronics, Inc., D.C. Nemir, principal investigator. Grant # 1R43DE09481-01A1 for contract period 6/1/91 – 2/28/92.

The Institute for Manufacturing and Materials Management awarded a \$30,072 contract for research entitled "A cost/benefit analysis of power factor correction as a means of reducing energy costs in manufacturing plants", Grant # PF-90-018 for the contract period 1/1/92 to 12/31/92.

The National Science Foundation awarded a \$49,698 grant to UTEP, D.C. Nemir, Principal Investigator, for a project entitled "RUI site: Hands-on electrical engineering design projects to support research conducted at the Sacramento Peak National Observatory", Grant # EID-9100883 for the contract period 6/1/91 to 5/31/92.

The Texas Higher Education Coordinating Board awarded a \$64,836 Advanced Technology Program Grant to UTEP, D.C. Nemir, principal investigator, for research entitled "Implementation of a robotic tentacle for grasping", Grant #4127 for the contract period 7/1/88 to 8/31/90.

Cray Research awarded a \$35,510 contract to UTEP, D.C. Nemir, Principal Investigator, for research entitled "Simulation studies on the control of a compliant link robot", for the contract period 1/1/88 to 12/31/88.

PROFESSIONAL ASSOCIATIONS

Registered Professional Engineer (Texas). Founding and current member of Underwriter Laboratories STP-943 Standards Committee on Ground Fault Interrupt Devices. 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, tech transfer and business start-ups.

OTHER

Member CEBus Executive Committee 1999-2001. Member Advisory Board for UTEP Center for Research Entrepreneurship and Innovative Enterprises, 2009-present. Member, El Paso County Board of Ethics, 2008-present. Member El Paso County Ethics Commission 2009 – present.

Resume, Gilberto Mares, P.E. (Inactive)
October 16, 2010

I am applying to be a Member of the El Paso, Texas Public Service Board and am submitting this resume for your consideration. I have the health, the qualifications with over 45 years of engineering experience, and the desire to meet the needs of that position.

- I have a Bachelor of Science in Electrical Engineering Degree from the University of Texas at El Paso (UTEP) and a Master of Science Degree in Industrial Engineering/Engineering Management from New Mexico State University (NMSU). I am a Texas Licensed Professional Engineer (Inactive). I chose to remain a Licensed Professional Engineer but on an Inactive status when I retired. I am a life-member of Tau Beta Pi, the National Engineering Honor Society.
- I have personally developed designs, plans and programs. Implemented these. Collected and analyzed data, and prepared reports. As Project Engineer, in addition to performing the above, I also led teams composed of engineers, technicians and support personnel in performing those functions. As a first level (Branch Chief), second level (Division Chief), and third level supervisor (Major Division Chief), I set policy and deadlines. I also provided guidance, supervision and program oversight for engineers of various disciplines performing tasks addressed above. As a U.S. Air Force Lieutenant, I led teams in the design and installation of radoms and radar equipment, communication systems, Outside Plant (underground and overhead cables), and Inside Plant facilities.
- I retired from Federal Civil Service. Among other positions that I held, I was Chief of the Electronic Warfare Division of the U.S. Army Research Laboratory, a tenant organization at White Sands Missile Range, New Mexico. After this retirement, I worked as Principal Engineer under Department of Defense and U.S. Army contracts.
- I have developed procurement specifications, evaluated proposals for procurement source selection, monitored and evaluated contractor performance, evaluated deliverables and accepted or rejected these. As a contractor employee, I have also developed and presented proposals, performed on contract requirements, and submitted deliverables.
- As a Branch Chief, Division Chief, and Major Division Chief, I managed multi-million dollar budgets and performed all the supervisory functions appropriate to the level of each position. I have been a member of numerous boards.
- I am the Former-President of the Aoy Elementary School Alumni Association 2006-2010, and member of the Bowie H.S. Alumni Association.

Respectfully Submitted,

Gilberto Mares

Added Info.-Mares, G.

Sent: Saturday, October 16, 2010 3:38 PM
To: Paula Apodaca

Ms. Apodaca,

Sorry that I did not include this information in my original email. I am sending it now in case it is needed.

1. I am a U.S. Citizen, born in El Paso, TX. 2. I now live and have lived in El Paso County almost my entire life. 3. I have over four years of professional engineering experience. 4. I do not hold a political office, nor do I have intentions of holding one. 5. I do not have any interests that conflict with the board, including real estate management and land development.

Thank You,
Gilberto Mares, P.E. (Inactive)

-----Original Message-----

Sent: Sat, Oct 16, 2010 3:10 pm
Subject: Resume-Mares, G.

Ms. Apodaca,

Thank you for the opportunity to apply for the position of Member of the Public Service Board. I am quite interested in serving and giving back to my community.

Attached is a copy of my resume for the position. Please let me know if I need to submit anything else, and please do not hesitate to contact me on any questions or additional requirements. Again, thank you,

Gilberto Mares, P.E. (Inactive)