

DATE: 03/10/2021

TO: City Clerk

FROM: City Representative Cissy Lizarraga

ADDRESS: 300 N. Campbell TELEPHONE 915-212-0008

Please place the following item on the (Check one): CONSENT XXX REGULAR _____

Agenda for the Council Meeting of 03/16/2021

Reappointment of Miguel Fraga to the Regional Renewable Energy Advisory Council by City

Item should read as follows: Representative Cissy Lizarraga, District 8

BOARD COMMITTEE/COMMISSION APPOINTMENT/REAPPOINTMENT FORM

NAME OF BOARD/COMMITTEE/COMMISSION: Regional Renewable Energy Advisory Council

NOMINATED BY: Representative Cissy Lizarraga DISTRICT: 8

NAME OF APPOINTEE Miguel Fraga
(Please verify correct spelling of name)

E-MAIL ADDRESS: N/A

BUSINESS ADDRESS: _____

CITY: _____ ST: _____ ZIP: _____ PHONE: _____

HOME ADDRESS: N/A

CITY: N/A ST: TX ZIP: N/A PHONE: N/A

DOES THE PROPOSED APPOINTEE HAVE A RELATIVE WORKING FOR THE CITY? YES: _____ NO: X

IF SO, PLEASE PROVIDE HIS OR HER NAME, CITY POSITION AND RELATIONSHIP TO THE PROPOSED APPOINTEE: N/A

HAS APPOINTEE BEEN A MEMBER OF OTHER CITY BOARDS/COMMISSIONS/COMMITTEES? IF SO, PLEASE PROVIDE NAMES AND DATES: RREAC, 2019-2021 (FIRST TERM)

LIST ALL REAL ESTATE OWNED BY APPOINTEE IN EL PASO COUNTY (BY ADDRESS): NONE

WHO WAS THE LAST PERSON TO HAVE HELD THIS POSITION BEFORE IT BECAME VACANT?

NAME OF INCUMBENT: Miguel Fraga

EXPIRATION DATE OF INCUMBENT: 03/03/2021

REASON PERSON IS NO LONGER IN OFFICE (CHECK ONE): TERM EXPIRED: X
RESIGNED _____
REMOVED _____

DATE OF APPOINTMENT: 03/16/2021

TERM BEGINS ON : 03/04/2021

EXPIRATION DATE OF NEW APPOINTEE: 03/03/2023

PLEASE CHECK ONE OF THE FOLLOWING: 1st TERM: _____

2nd TERM: X

UNEXPIRED TERM: _____

Miguel Fraga

PROFILE

Miguel Fraga is a Master of Business Administration student at The University of Texas at El Paso (UTEP) with a Bachelor of Science degree in Engineering Leadership with interest in environmental engineering, project management, and renewable energy. He has been awarded by the National Institute of Health to conduct environmental engineering research at UTEP and Rice University. International experiences in which he has participated include: UTEP's Global and Regional Sustainability Engineering Program at Piura, Peru, an engineering education internship at Berekuso, Ghana, and service learning disaster relief projects in Puerto Rico and the Philippines. Academically, he has been recognized with ten merit-based scholarships. Miguel founded the Engineers for a Sustainable World -UTEP student chapter and currently serves as the Annual Conference Coordinator.

EDUCATION

The University of Texas at El Paso El Paso, TX
Master of Business Administration May 2019
Relevant Coursework: Corporate Engagement, Organizational Behavior, Financial Accounting
GPA: 3.4/4.0

The University of Texas at El Paso El Paso, TX
Bachelor of Science in Engineering Leadership 2018, Cum Laude
Relevant Coursework: Regional Water Sustainability, Applied Sustainability
Senior Honors Thesis: Solar-Powered Point-of-Use Reverse Osmosis Desalination of Brackish Water. *Advisor:* Dr. Shane Walker
GPA: 3.5/4.0

PROFESSIONAL EXPERIENCE

Creosote Collaborative El Paso, TX
Sustainability Specialist 2019 – Current

- Responsible of combining business expertise and environmental factors to determine how businesses can operate in an environmentally responsible way.
- Research and review regulatory, technical, and market issues related to sustainability.
- Write grant applications and project proposals to secure funding for sustainability projects.

- Provide technical or administrative support for sustainability programs or issues.
- Create marketing and outreach media, such as social media and website publications, to communicate sustainability initiatives such as the Paso del Norte Trail.

Atlas Regeneration Technologies

El Paso, TX

Research and Development - Intern

2018 – Current

- Assist the principal investigator on a research grant from the NSF’s Small Business Technology Transfer office in the development of novel technologies for sensing hardness and other constituents in water and other liquid streams.
- Design detailed project plans with engineering, manufacturing, sales, and marketing ideas to manage all aspects of product development and production.

The University of Texas at El Paso – Civil Engineering Dpt.

El Paso, TX

Research Assistant

2016-2018

- Designed a small scale solar-powered point-of-use reverse osmosis desalination system for brackish water under the supervision of Dr. Shane Walker.
- Tested different water quality parameters including: conductivity, pH, alkalinity, total dissolved solids (TDS), dissolved ions by ion chromatography (IC), and dissolved metals by inductively coupled plasma optical emission spectroscopy (ICP-OES).
- Prepared a year-long senior honors thesis formatted as a research paper to be published in a scientific academic journal.
- Presented research findings at several national conferences and an international conference.

Lawrence Livermore National Laboratory

Livermore, CA

Environmental Functional Area – Summer Intern

2018

- Provided support in wastewater collection system model development by developing a modeling instrument using macros in M.S. Excel.
- Investigated different modeling approaches and assumptions by communicating with other departments such as the engineering and construction departments.
- Gathered available collection system information (invert and pump station locations) and CAD files electronically into a single database to support modeling.
- Performed technical assignments of a basic degree of complexity and provided advanced technical support for model development.

LEADERSHIP ENGAGEMENT

Engineers for a Sustainable World – UTEP Student Chapter

El Paso, TX

Annual Conference Coordinator

2018 – Current

Founding President

2017 – 2018

- Led a team of eight student leaders and 50 student members to become a nationally recognized student chapter.
- Managed six different interdisciplinary projects including projects in Puerto Rico and the Philippines.
- Led a rainfall harvesting project implemented in Presidio, TX to receive the “2018 Rain Catcher Award” by the Texas Water Development Board.
- Coordinated fund solicitations from university available funds and local industries resulting in more than \$70,000 USD in earnings for the organization.
- Coordinated logistics for the annual three-day event: “Sustainable Solutions Competition”
- Led the chapter to be selected as host for the 2019 Annual Conference.

UTEP President’s Advisory Committee on Sustainability

El Paso, TX

Member

2017 – Current

- Provide a student perspective on the suggested sustainability guidelines and activities the university should implement.
- Created a campus-wide sustainability website to showcase university’s sustainability efforts.

VOLUNTEERING

Disaster Relief Bridge Reconstruction

Utuaado, Puerto Rico

Student Leader

2018

- Led a team of 10 UTEP students and 40 New Mexico State University students to design and build a pedestrian suspension bridge under the guidance of 4 professional engineers.
- Learned the fundamental concepts of construction management and bridge design.
- Fundraised over \$40,000 USD to cover bridge expenses as well as airfare, food, and lodging through fundraising events and corporate sponsorship.
- Managed to build strong relationships with the community through radio and TV shows aired locally and nationally.

Water Filter Distribution

Cagayan de Oro, Philippines

Student Leader

2018

- Led a team of six UTEP students and alumni to distribute water filtration systems to a community severely affected by past natural disasters in the region.
- Fundraised over \$6,000 USD to cover filter expenses, airfare, food, and lodging through fundraising events and corporate sponsorship.
- Distributed 100 point-of-use filter to local families and provided guidelines on how to properly maintain them.

HONORS AND AWARDS

<i>UTEP's College of Engineering Outstanding Engineering Student</i>	<i>2018</i>
<i>Mike Loya Graduate Fellowship</i>	<i>2018-2019</i>
<i>UTEP Grant for Graduates</i>	<i>2018-2019</i>
<i>National Institute of Health (NIH) BUILDing SCHOLARS Program</i>	<i>2015-2018</i>
<i>NASA Columbia Crew Memorial Grant</i>	<i>2015</i>
<i>Bob and Diane Malone Leadership Institute Scholarship</i>	<i>2014-2017</i>
<i>Xerox HCLP Scholarship</i>	<i>2016-2017</i>
<i>TRAX International Endowment Scholarship</i>	<i>2017</i>
<i>STARS Scholarship Fund</i>	<i>2014-2016</i>
<i>National Action Council for Minorities in Engineering (NACME) Scholarship</i>	<i>2017</i>
<i>College of Engineering Dean's List</i>	<i>2013-2018</i>