

DATE: March 23, 2021

TO: City Clerk

FROM: City Representative Isabel Salcido

ADDRESS: 300 N. Campbell TELEPHONE 915-212-0005

Please place the following item on the (Check one): CONSENT \_\_\_\_\_ REGULAR X

Agenda for the Council Meeting of March 30, 2021

Reappointment of Joshua Blaine Simmons to the Regional Renewable Energy Advisory

Item should read as follows: Council by Representative Isabel Salcido, District 5

**BOARD COMMITTEE/COMMISSION APPOINTMENT/REAPPOINTMENT FORM**

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

NOMINATED BY: Isabel Salcido DISTRICT: 5

NAME OF APPOINTEE Joshua Blaine Simmons  
(Please verify correct spelling of name)

E-MAIL ADDRESS: \_\_\_\_\_

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:

HAS APPOINTEE BEEN A MEMBER OF OTHER CITY BOARDS/COMMISSIONS/COMMITTEES? IF SO, PLEASE PROVIDE NAMES AND DATES:

**LIST ALL REAL ESTATE OWNED BY APPOINTEE IN EL PASO COUNTY (BY ADDRESS):**

N/A

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

NAME OF INCUMBENT: Joshua Blaine Simmons

EXPIRATION DATE OF INCUMBENT: 3/3/21

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

DATE OF APPOINTMENT: March 16, 2021

TERM BEGINS ON : 3/30/2021

EXPIRATION DATE OF NEW APPOINTEE: 3/03/2023

PLEASE CHECK ONE OF THE FOLLOWING: 1<sup>st</sup> TERM: \_\_\_\_\_

2<sup>nd</sup> TERM: X

# Joshua Blaine Simmons

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## PERSONAL OBJECTIVES

- **SHORT TERM:** Obtain a salary staff position where duties would include continuous improvement and reliability within an Engineering capacity and/or technical writing where influences have a stake in the formation of policy related to energy sustainability. Pursue and achieve my Fundamental Engineering in Electrical and Computer. Achieve other professional certifications valid within industry.
- **LONG TERM:** Develop a long lasting career in an environment I enjoy working within where I am continuously challenged and able to learn new concepts. To enable constant innovation in professional methodology and skills. Pursue Professional Engineering license. Onboard to project(s) that make a direct positive impact on local community and for positive growth within El Paso County region.

## PERSONAL INFORMATION

- ✓ U.S. Citizen, Texas resident forever
- ✓ Male, Hispanic heritage/ethnicity
- ✓ Date of Birth: 03/07, over 18 years old, under 40 years old
- ✓ Non-military
- ✓ Notary Public for the State of Texas
- ✓ Valid State of Texas issued Driver's License, Class: C, 22396900
- ✓ U.S.A. Passport holder

## EDUCATION

- Burges High School, 7800 Edgemere Blvd, El Paso, TX 79925, +1 (915) 780-1100
  - Graduated in May 2005 w/Honors in State of Texas Distinguished Achievement Program.
- University of Texas At El Paso, 500 W. University Ave., College of Engineering, El Paso, TX, 79968 (*Basics + Bachelor of Science, Electrical Engineering*) [Graduated: May 18, 2013]
- ❖ **Bachelor of Science in Electrical Engineering (B.S. in EE)**, ABET accredited
  - *Fields and Devices* concentration
    - ✓ Renewable and Sustainable Energy
    - ✓ Antenna Engineering and Basic Theory
    - ✓ Systems and Controls
    - ✓ Data and Communication Networks
    - ✓ Integrated Circuits and Semiconductor Devices
    - ✓ Power Electronics/Power Conversion

## SKILLS

- ✓ Advanced knowledge of computer software, data networks, programming and operations:
  - Microsoft Office Suite applications (EXCEL, WORD, OneNote) and such related software such as Google Docs and .pdf creation/editing and publishing.
  - Computer operating systems (DOS, Windows: 98, ME, XP, Vista, 7, 8, 10; Linux, Android).
  - Ability to function in any environment software for management controls and systems such as products within the A-B Rockwell family, SIEMENS, Mitsubishi, AutomationDirect, and IDEC.
  - Adaptive nature towards CAD utilities for design and analysis, such as NI LabVIEW, Proteus, SimuLink, AutoDesk AutoCAD, SolidWorks.
  - Experienced computer programming and computer languages such as HTML, C, C++ and Assembly including PLC logic code in statement list, function block and ladder.
  - Knowledge of IPv4 & IPv6 protocol networking including but not limited to LAN, WAN, DHCP, Cisco Networks including Modbus, A-B Rockwell's (DH+, DH-485 & EtherNet/IP), Remote Access, & Remote I/O.
- ✓ Skilled at reading and producing electrical control wiring diagrams/schematics, design blueprints and other related CAD drafts of systems and controls including electromechanical components and respective mechanical components.
- ✓ Possess a personal set of specialized hand tools that include tooling for mechanical service and electrical servicing on a micro scale to an industrial level including industrial level process metering devices.
- ✓ Experienced with mechatronic systems and controls.
- ✓ Ability to work with others in a team environment to achieve common goals and take on leadership roles. Able to organize efforts to complete a given task or crisis with organized documentation and planning methods.
- ✓ Able to share information and knowledge with others regarding area of expertise. Enjoys teaching and training others.

Analytics, Algorithms, Applied Sciences, Budgets, CAD, Community Development, Control Systems, Debugging, Data Mining, Electric Circuits, Electronic Devices, Electric Wiring, Energy, Engineering Concepts, Fields and Waves (EMF), Integration, Implementation, Mathematics, MatLAB, Mechatronics, Modernization, Motor Control, Network Deployment, Optimization, Organizing, Pattern Recognition, Performance Tests, PID functions, Photo Voltonics (PV), PLC, Power Conversion, Power Networks, Process Metering, Public Speaking, Public Relations, Problem Solving, Physics, Radio Frequency (RF) Modulation, SCADA, Security, Solar, SolidWorks, Sustainable Energy, Switching Devices & Systems, Team Leadership, Technical Engineering, Technical Support, Technical Writing, Transfer Switch, Transformers, Troubleshooting

## WORK EDUCATION/HISTORY

- **Electrical Instrumentation and Automation Controls Engineer** – SSE d.b.a Electrical Supply Source (ESS), 6425 Boeing Dr. Suite D-3, El Paso, TX, 79925, 915-217-2200, 1-866-258-6199  
Supervisor: Danny Porras 915-487-7887, Manager: Alex Sanchez 915-549-3562
  - ❖ Full time, Hourly, *July 25<sup>th</sup>, 2018-CURRENT*
    - Reason for Job Search: Seeking salary staff engineer position.
  - Prepare documentation for projects including quotes, proposals, schematics, technical documentation for customers.
  - PLC programming for projects and customer support. Legacy equipment modernization and complete control system modifications. Experience with use of legacy PLC software such as RSLogix 5, RSLogix 500, RSLOGIX 5000 and RSView32. Use of modern industry standards in software programming such as IEC's WindLGC, Rockwell Software's STUDIO 5000 suite and Connect Components Workbench (CCW). Other exposures include Mitsubishi Electric/Automation, SIEMENS, GE Automation, Prosoft and AutomationDirect PLCs and related software.
  - Control panel design and construction for commercial/industrial environments including isolated remote locations where solar energy supply systems have been integrated.
  - HMI programming and configuration using IEC SmartAXIS, AutomationDirect C-More Operator Interface and FactoryTalk View Studio Designer.
  - SCADA design and operator environments such as FactoryTalk View and GE Automation's iFix Workspace.
  - Project planning, on-site management and quality of service for installations and systems.
  - Control system and instrumentation implementation, configuration and installation.
  - Process engineering system integration and troubleshooting.
- **Field Organizer** – Beto for Texas (Beto for Senate campaign 2018), 415 E. Yandell Dr., El Paso, TX, 79902, 915-730-3875, Administrator: Dani Neuharth-Keusch 540-454-3901, Manager: Andrea Reyes 915-637-5418
  - ❖ Full time, Salary, *Feb. 19<sup>th</sup>, 2018 – July 20<sup>th</sup>, 2018*
    - Reason for Departure: Offered better opportunity with ESS.
  - Organize events in support of the campaign to rally passionate U.S. Texas registered voters in phonebanking, canvassing and other relative efforts in raise support and awareness for the candidate in pursuit of office.
  - Coordinate with the overall campaign in efforts to maximize outreach to Texas citizens.
  - Train volunteers and other members of the team in tasks and procedures through structured modules.
  - Trusted with collecting sensitive data regarding individual U.S. Texas registered voters as well as confidential campaign strategy.
- **Plant Engineer** – Therm-O-Link of Texas, Inc., 1295 Henry Brennan Dr. 79936 El Paso, TX, +1 915-860-9934, General Manager: Alex Bustamante
  - ❖ Full Time, Salary, *May 26, 2015 – Feb. 14, 2018*
    - Reason for Departure: Offered opportunity within campaign as staff.
  - Responsible for process control, production automation, motor control, electrical controls and supply support systems to manufacturing machinery. Engineering concepts overall production of product from raw material to final product for copper cable/wire supply stock.
  - Troubleshoot issues within machinery from the copper wire mill, multi-wire machining, copper wire bunching, copper wire insulation extrusion and computer systems.
  - Directed maintenance dept. in tasks related to equipment installation, upgrading and general maintenance tasks and troubleshooting.
  - End point knowledge source for process electrical equipment installed into process machinery for monitoring, visualization and human-machine interfacing.
  - Modernize legacy equipment involving motor control and programmable logic controllers and other related controller devices used in the manufacturing process.
  - Experience in power factor control from utility and 480 VAC 3 phase supply systems for motor control and process control as well as voltage step-down transformers for equipment used in process material annealing.
  - Responsible for electrical and mechanical CAD documents for related components and schematics.

- Produced documents, diagrams and figures for use by maintenance technicians for troubleshooting and general procedures for component/part replacement and upgrade.
- Ability to tune operation for motors for analog and digital motor drives including field control, speed loops and PID functions that are required for processes.
- Development of plant overview operations via remote/direct device drivers within SCADA software.
- Ensured power quality to sensitive instrumentation that provided direct serial communications concerning product measuring and quality parameters into process control.
- Coding and related computer language tasks for PLC statement lists, function block and ladders, DOS prompt commands for bin scripts, HMI configurations and networking.
- Performed performance tests upon motors and overall process control to optimize speed and tension of medium under production.
- Completed courses in Allen-Bradley Rockwell software training in RSLogix 5000 and Studio 5000 software suite.
- Experience with use of legacy PLC software such as RSLogix 5, RSLogix 500 and RSView32 as well as software used for HMI programming and configuration. Other exposures include Mitsubishi, SIEMENS, Prosoft and AutomationDirect.
- **Associate Engineer – Worldwide Tech Services**, 836 North Street, Tewksbury, Massachusetts 01876-125, +1 (800) 970-5206, Supervisor: Ricardo Sampablo
  - ❖ Full Time, Hourly, *March 16, 2015 – May 15, 2015*
  - Reason for Departure: Offered salary position at Therm-O-link.
  - Distribution field service for the clients within the El Paso, TX area and support for the southwest region
  - Providing customer break/fix support for designated equipment
  - Communicate clearly in written and verbal form regarding technical issues with clients
  - Establish customer service satisfaction criteria
  - Accept and deliver all service calls assigned within the established service level agreements
  - Administrative tasks associated with each call to client
  - Responsible for control and return of assets and inventory
  - Provide field support for on-site duties outlined in specific contracts with respect to client
- **Lead Wireless Infrastructure Technician/Micro Installer – Vivint Inc., Vivint Wireless**, 1485 Bessemer Dr., El Paso, TX, 79936; Corporate Office: 4931 N 300 W, Provo, UT 84604, +1 (801) 372-6578, +1 (801) 705-6202, Supervisor: Skylier Georgio
  - ❖ Full Time, Hourly, *August 06, 2014 – March 13, 2015*
  - Reason for Departure: End of network build, no interest in relocation.
  - Climb communications towers and ladders
  - Maintain backhaul network; repair network outages
  - Ensure proper site installation and operation; inspect cable and electrical equipment
  - Identify and design potential new areas to be developed
  - Execute installation satisfaction with customer and quality of installation
  - Work with current installation and service technicians; resolve individual customer problems
  - Provide prompt response to network issues; conduct preventive or proactive network repair outside of normal business hours when required
  - Work with network, installation and customer care department to achieve operational objectives
  - Troubleshoot physical layer problems with radio frequency (RF) links; resolve IP network issue problems
  - Identify potential network issues; proactively react to situations before they escalate
  - Complete network performance audits; maintain detailed information of network operations
  - Maintain detailed activity logs; update network documentation; prepare detailed reports of events which negatively impact customer service
  - Participate in scheduled corporate and divisional Safety Committee meetings
  - Assist with new technician training
  - Conduct electrical installations for node hubs as well as tower site builds
- **Shop/Diesel Technician (Power Generation) – Cummins Inc., Cummins Rocky Mountain**, 14333 Gateway West Blvd., El Paso, TX, +1 (915) 791-6609, Supervisor: Lorenzo Luna,
  - ❖ Full Time, Hourly, *January 03, 2014 – July 07, 2014*
  - Reason for Departure: Laid-off, Company restructuring.

- Comply with completion of repairs by SRTs and by QuickServe procedures for Cummins engines and Onan generators. Performed campaigns required from manufacturer and ECM software updates and/or performance adjustments.
- Service performed on Generators with output of >600 V & <600 V.
- Use of computer software suites to document services rendered, parts required for repair, repair plan and time for services performed including DOT documentation when required for field service repairs.
- Ability to troubleshoot issues with Cummins & Onan products within the Service dept. Understanding of diesel combustion theory as well as various air and fluid systems for these related products.
- Possess an electrical background with the ability and comfort with wiring diagrams and related knowledge.
- Versed in the use of INSITE, INPOWER and other similar electronic diagnostic tools for diesel engines and diesel/gasoline generators.
- Familiar and exercise the JSA process and the Cummins Inc. safety culture.
- Experience in field service operations including on-site performance and ability to seek out and order needed parts/components for service repair.
- Experience with high horse power equipment used in petroleum extraction and processing.
- Certified training in Cummins OTEC, BTPC, OTPC, OT mechanism and BT transfer switches.
- Abide by and actively practice Safety Regulations set by Federal and National agencies such as OSHA and NESC.
- **Warehouse Manager/Parts Technician** – Cummins Inc., Cummins Rocky Mountain, 14333 Gateway West Blvd., El Paso, TX, +1 (91) 791-6604, Supervisor: Ruben Herrera,
  - ❖ Full Time, Hourly, *September 14, 2013 - January 2, 2014*
  - Reason for Departure: Offered another position within Cummins.
  - In charge of the operation of warehouse including inventory control, in-bound shipment receiving, outbound shipments, stock order receiving/control and other parts dept. duties within the branch location. Native use of BMS and all related software for daily branch operation.
- **Warehouse/Parts Technician Intern** – Cummins Inc., Cummins Rocky Mountain, 14333 Gateway West Blvd., El Paso, TX, +1 (915) 791-6604, Supervisor: Ruben Herrera,
  - ❖ Part Time, Hourly, *April 2013 - September 2013*
  - Reason for Departure: Offered Full-time position at Cummins.
  - Responsible for use and operation of BMS to initiate sales of diesel parts and components for service customers, ship and receive stock shipments and items to customers, dealers and branches; work with a team to achieve sale goals and operation of warehouse including inventory.

## **VOLUNTEER EXPERIENCE**

- Beto Ambassador
  - July 2018 – Nov. 2018, reactivated since March 2018 – *present*
  - Host and participate in phone bank using VPB for supporters of Beto O’Rourke in senate campaign
  - Host and participate in canvass events for supporters of Beto O’Rourke in senate campaign
  - Event volunteer to aid in crowd management for campaign events
- Volunteer Canvass Captain with Beto for America Democratic presidential nomination, May 2019 – *present*
  - Host events to reach out supporters for community meet-ups and canvasses
  - Phone bank using VPB dailer
- Social Media Administrator for Facebook group “Beto for America 2020”
  - Digital content creator for group, creation of sharable graphics for promotion on events and policies released by core campaign (created graphics originated on page using influences from campaign design style)
  - Volunteer coordinator for events and outreach
  - Promotion of policies and events for supporter outreach
- Social Media Moderator for Facebook group “El Paso for Beto for America”
  - Moderator posts and content for group
  - Promotion of policies and events for supporter outreach
- Volunteer Deputy Registrar for El Paso County
  - Independently host events to registrar Texans to vote
  - Coordinate with other organizations for voter advocacy

## PROFESSIONAL DEVELOPMENT

- Institute of Electrical and Electronics Engineers (IEEE)
  - IEEE member #: 93373022– 2013-present
- Notary Public, State of Texas
  - Commission expires *April 08, 2023*
  - ID #: 130179019
- OSHA 10-hour Construction Safety and Health Certification
  - Issued: 01/19/2019
  - #26-006085112
- Volunteer Deputy Registrar for El Paso County, Texas
  - Appointed by El Paso County Elections Dept. for 2017-2018 & 2019-2020

## PROJECTS

- El Paso Electric Co. (EPEC), El Paso, TX, Installation of electrical control instrumentation for gas blending process for energy generation at the Montana Vista Power Plant.
  - Tested and calibrated HARP metering instrumentation for process
  - Tested and implement control circuits for process
  - Quality control of installation and commissioning
- El Paso Water Utilities (EPWU), El Paso, TX, Programmed and commissioned continuous operation of a water conditioning system to dispense a polymer solution used for waste water/sludge treatment within the facility, *Dec. 2018-Jan. 2019*
  - Programmed PLC for the automated process using system inputs to control process for automated distribution into sludge treatment process
  - Programmed HMI with consideration of easy flow navigation for operations
  - Built-in troubleshooting diagnostics and engineer tools for process oversight
- MARATHON OIL, El Paso, TX, Commissioned secondary support system for gas compressor unloading system, *Oct. 2018-Jan. 2019*
  - Programmed PLC and HMI units
  - Worked with internal engineering on planning, development and implementation.
  - Developed in-house training for newly installed system for operators and sequence of operation for internal operation procedures for Hydro dept.
- Treehouse Foods, El Paso, TX, Installed and commissioned control system for oil filtration for internal processing, July 2018
  - Quoted materials and developed scope of work + proposal
  - Managed installation process of equipment and electrical installations including instrumentation.
  - Ensured quality of work performed
  - Tested all control circuitry and instrumentation for process.
- Therm-O-Link, El Paso, TX, Commission NIEHOFF NPS SV 400 machine, *Aug. 2016*
  - Installed a standalone NIEHOFF SV 400 rewind machine.
  - Commission date: August 2016
- Therm-O-Link, El Paso, TX, Commission NIEHOFF NPS SV 402 D machine, *July 2016*
  - Installed a NIEHOFF SV 402 D in conjunction with a currently operated crosslink extrusion line as an alternative packaging machine.
  - Commission date: July 2016.
- Senior Project (*University of Texas at El Paso*), ABET Capstone Project, Project title: *Tune-o-Matic*, Duration: 1 scholastic calendar year, Completed: *November 2011*
  - Design from concept to prototype to final prototype.
    - Proposal including presentation of ideas and defense of execution.
    - Complied bill of materials.
    - Technical writing for procedure and methods used as well as documentation of technical information related to project development.
    - Prototype creation and testing including performance analysis.
    - Data representation and interpretation.
    - Evaluation of improvements to prototype.
    - Fabrication of device, housing and other special items for final prototype.
    - Design and creation of PCB for internal electronics.
    - Implementation and final presentation for approval of criteria certification for graduation and recipient of engineering degree.
    - Final proposal and mock presentation to investors.
  - Project concept involved electronic control inputs from user and DSP processing of input as well as mechanical response directed by output processed.