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APPLICATION OF LCRA §  
TRANSMISSION SERVICES §  
CORPORATION TO AMEND ITS §  
CERTIFICATE OF CONVENIENCE §  
AND NECESSITY FOR THE PROPOSED §  
LEANDER TO ROUND ROCK 138-KV §  
TRANSMISSION LINE IN §  
WILLIAMSON COUNTY §

BEFORE THE STATE OFFICE

OF

ADMINISTRATIVE HEARINGS

DIRECT TESTIMONY OF

RUSSELL AUSTIN BURLESON

ON BEHALF OF

MARY FRANCES BURLESON ROBERTS, BURLESON RANCHES, LTD,

JOHN W. ROBERTS, FRANK B. ROBERTS,

MARY ROBERTS ORTIZ, MFBRGP, LLC, AND

RUSSELL AUSTIN BURLESON

SEPTEMBER 12, 2016

**SOAH DOCKET NO. 473-16-4342  
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**DIRECT TESTIMONY OF RUSSELL AUSTIN BURLESON**

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1 SOAH DOCKET NO. 473-16-4342  
2 PUC DOCKET NO. 45866

3 DIRECT TESTIMONY OF  
4 RUSSELL AUSTIN BURLESON

5 **I. INTRODUCTION**

6 **Q. MR. BURLESON, PLEASE STATE YOUR FULL NAME AND ADDRESS.**

7 A. My name is Russell Austin Burleson. My address is 865 Mayfair Way, Sykesville,  
8 Maryland 21784.

9 **Q. WHAT IS YOUR OCCUPATION?**

10 A. I am a Program Manager for Northrop Grumman Corporation.

11 **Q. WHAT IS YOUR EDUCATIONAL BACKGROUND?**

12 A. I graduated from Louisiana State University with a Bachelor's of Science degree in  
13 Electrical Engineering in 1991. I earned my Master's of Science degree in Electrical  
14 Engineering from the Air Force Institute of Technology located at Wright-Patterson Air  
15 Force Base in Ohio in 1993.

16 **Q. ARE YOU A LICENSED ENGINEER?**

17 A. Yes, I am. I am registered in the State of Louisiana. My license number is 33203.

18 **Q. PLEASE PROVIDE A BRIEF SYNOPSIS OF YOUR PROFESSIONAL CAREER.**

19 A. I have been an active engineer/program manager more than 25 years. I have worked for  
20 Northrop Grumman for more than 15 of those years. I also worked for the United States Air  
21 Force, and was honorably discharged as a Captain in 1997. I have been in multiple  
22 engineering, software development, and management roles during my tenure with Procter &  
23 Gamble, Wright Laboratory Combat ID Branch, Science Applications International  
24 Corporation, and Northrop Grumman. My resume is included in my testimony as  
25 Attachment RAB-1.

26 **Q. HAVE YOU EVER TESTIFIED IN A PUBLIC UTILITY COMMISSION OF TEXAS**  
27 **(“PUC” OR “COMMISSION”) PROCEEDING?**

28 A. No.

1 **Q. DID YOU OR SOMEONE UNDER YOUR DIRECT SUPERVISION WRITE YOUR**  
2 **TESTIMONY?**

3 A. Yes, my testimony was written by me or someone under my direct supervision.

4 **Q. IN THIS CASE ARE YOU TESTIFYING AS AN ELECTRICAL ENGINEERING**  
5 **EXPERT?**

6 A. No, I am not.

7 **Q. ARE YOU AN INTERVENOR IN THIS DOCKET?**

8 A. Yes, I am.

9 **Q. ON WHOSE BEHALF ARE YOU TESTIFYING?**

10 A. I am testifying on behalf of myself, and the other owners of Burleson Ranch which include:  
11 my Aunt, Mary Frances Burleson Roberts, and three cousins John W. Roberts, Frank B.  
12 Roberts, and Mary Roberts Ortiz. I am also testifying on behalf of the companies associated  
13 with Burleson Ranch that my Aunt established: Burleson Ranches, Ltd. and MFBRGP,  
14 LLC.

15 **Q. ARE THERE ANY OTHERS WHO ARE TESTIFYING ON BEHALF OF**  
16 **BURLESON RANCH?**

17 A. Yes, my Aunt Mary Frances Burleson Roberts and Lester "Doak" Fling are also testifying  
18 on behalf of Burleson Ranch for our direct case.

19 **II. SUMMARY OF MY TESTIMONY**

20 **Q. WHAT IS THE SUBJECT MATTER OF YOUR TESTIMONY, MR. BURLESON?**

21 A. As an owner and representative of all of the owners of Burleson Ranch, I will provide  
22 testimony that shows the proposed LCRA transmission line and substations should not be  
23 located on Burleson Ranch. In addition to the reasons set out in Mr. Fling's and Mrs.  
24 Robert's testimony, I will show that LCRA's project should not interfere with Burleson  
25 Ranch because:

- 26 1. Burleson Ranch is one of the few wildlife havens left in this area,
- 27 2. The intersection of the Burleson Ranch pastures is a critical area,
- 28 3. Burleson Ranch is place for learning and recreating,

1 4. The proposed substations on Burleson Ranch and associated segments/links do  
2 not follow public corridors, and

3 5. There would be irreparable negative impacts to Burleson Ranch and Brushy  
4 Creek if the Burleson Ranch is used for LCRA's project

5 **Q. IN YOUR OPINION, WHAT IS THE BEST ROUTE FOR THIS PARTICULAR -**  
6 **ELECTRIC TRANSMISSION LINE?**

7 A. The City of Leander's proposed alternate route is the best route. It consists of the following  
8 segments and substations:

9 D-E-K-L4-[2-6]-N4-R-Q4-V-W-T4-X-J1-A5-L1-P1-T1-V5-D2-[1-7]-K4-J2-  
10 Q2-S2-Y2-Z2-P5-B3-C3-E3-G3-I3-J4.

11 Generally, the route we support traverses along Highway 175, also known as Sam Bass  
12 Road, and utilizes proposed substations labelled 1-7 and 2-6 which are areas LCRA already  
13 owns.

14 **III. BURLESON RANCH: A WILDLIFE HAVEN**

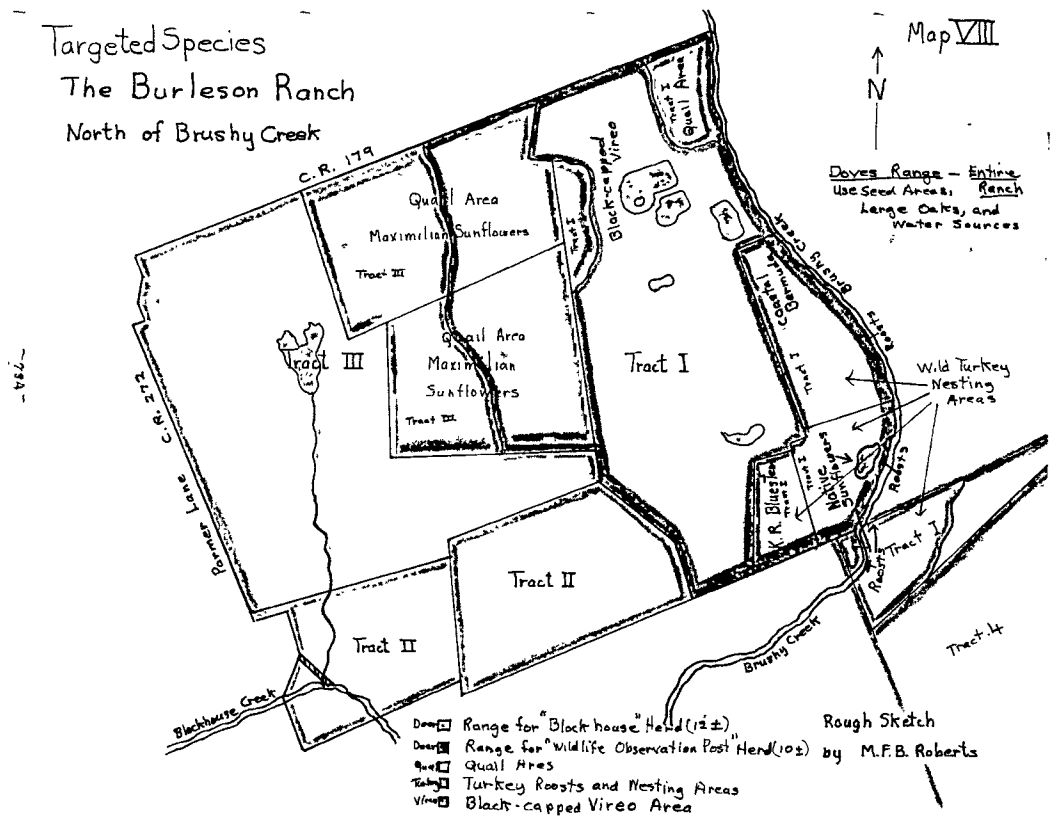
15 **Q. MR. BURLESON, ARE YOU FAMILIAR WITH MRS. ROBERT'S AND MR.**  
16 **FLING'S DIRECT TESTIMONIES?**

17 A. Yes, I am. Mr. Fling introduces the Burleson Ranch-Lagmanson group, our testimonies,  
18 and his experiences on, and knowledge of, Burleson Ranch and Williamson County. Mr.  
19 Fling also explains that the very active local municipalities have come together to support a  
20 transmission line that goes along Highway 175 (Sam Bass Road) instead of Ronald Reagan  
21 Boulevard, and that such agreement by the local governments is a true and real reflection of  
22 the communities' values.

23 Mrs. Roberts, my Aunt, testifies about the environmental, historical, and ecological  
24 significance and sensitives of Burleson Ranch and Brush Creek. She also provides an  
25 overview of our Wildlife Management Plan that is filed with Williamson County.

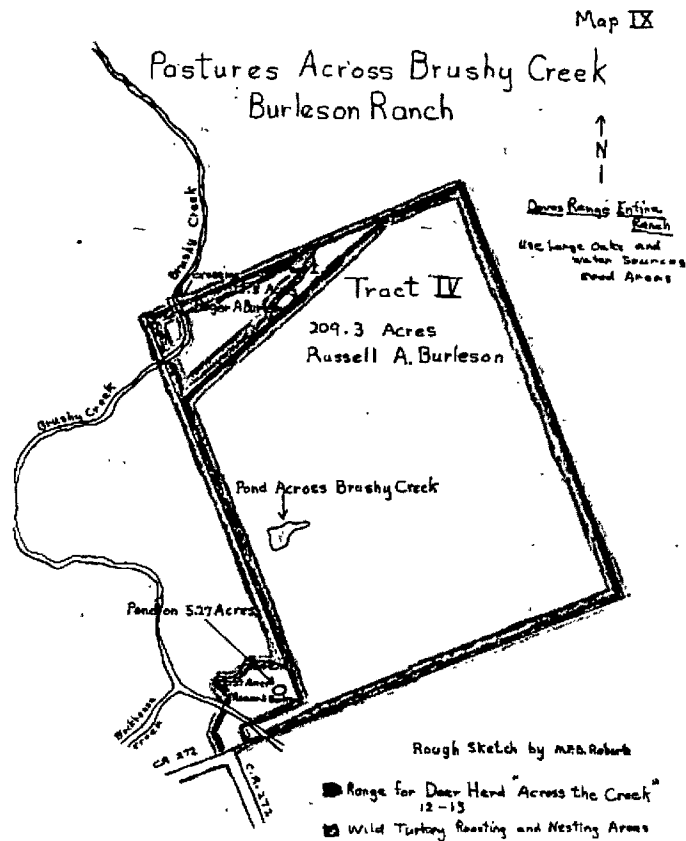
26 **Q. WOULD YOU CARE TO DETAIL BURLESON RANCH'S ENVIRONMENTALLY**  
27 **DEFINED BOUNDAIRES AS USED IN THE WILDLIFE MANAGEMENT PLAN?**

1 A. Yes. My Aunt has been working with Williamson County and Texas Parks and Wildlife in  
 2 developing and updating Burlson Ranch's Wildlife Management Plan. I think it is helpful  
 3 to show these maps that outline the boundaries of tracts for wildlife management purposes.  
 4 These two maps below were hand-created by Mrs. Roberts several years ago.



5  
 6

**Figure RAB-1: Burlson Ranch North Pastures Tract Map**



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 5  
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 12

**Figure RAB-2: Burleson Ranch South Pastures Tract Map**

**Q. WHY IS IT IMPORTANT FOR YOU TO SHOW US THESE HAND-DRAWN MAPS?**

A. They are important for several reasons. These two maps were created by hand by my Aunt before my Grandfather passed away. The two maps are included in the Wildlife Management Plans filed with Williamson County to show where the specific water resources are located on the ranch such as the ponds we built, Brushy Creek, and Blockhouse Creek. The colored outlined areas also identify some of the areas of Burleson Ranch that the targeted wildlife eat, breed, and find shelter.

**Q. ARE THE TWO SEPARATE MAPS INDICATIVE OF SEPARATE OPERATIONS AND MAINTENANCE OF THE RANCH?**



1 A. Absolutely not. As we consistently testify, Burleson Ranch is one ranch. It has and will  
2 continue to be used as one ranch. The reason there are two separate maps is because all of  
3 the property cannot fit on a single sheet of paper and the details still be legible. In other  
4 words, the geographic location of the parcels in relation to each other makes it difficult to  
5 identify the features of Burleson Ranch.

6 **Q. WHY DOES BURLESON RANCH PROVIDE A HAVEN FOR WILDLIFE?**

7 A. Burleson Ranch is a haven for many types of wildlife for the reasons set out in Mrs.  
8 Roberts' testimony, including the fact that this part of Williamson County continues to  
9 develop subdivisions and other commercial businesses. The clearing of all the native  
10 property displaces the wildlife because they no longer have other food or shelter.

11 **Q. WHAT ARE SOME OF THE SPECIFIC SPECIES THAT YOU ARE AWARE OF  
12 THAT USE BURLESON RANCH AS A HAVEN?**

13 A. We have identified and continue to study, promote, and provide for many types of flora and  
14 fauna. For instance, the types of grasses we have and manage include Little Bluestem, K.R.  
15 Bluestem, Silver Bluestem (not a favorite of the cattle, but is enjoyed by the deer), Sideoats  
16 Grama, Hairy Grama (probably the most important grass in this rocky area), Texas  
17 Wintergrass, and Indiangrass. Bermudagrass is planted on embankments and drainage areas  
18 such as terraces, overflow systems, and diversion terraces. It also serves as a supplement  
19 food source and as habitat cover.

20 As Mrs. Roberts testifies, many travelers stop at Burleson Ranch to take pictures of the  
21 flowers and their families with the flowers. Some of the wildflowers on Burleson Ranch  
22 include Mountain Pinks, Blackfoot Daisies, Queen's Delight, Sida, Navajo Tea,  
23 Hymenoxys, Rising Stars, Common Wild Petunia, Engleman Daisies, Indian Blankets,  
24 Brown-eyed Susan, Common Sunflower, Maximilian Sunflower, Ragweed, Broomweed,  
25 Purple Horsemint, Milkweed, Texas Bluebells, and Partridge Pea. One example of a single  
26 plant's benefits is the Snow-on-the-mountain plant. This plant produces seed preferred by  
27 doves, and butterflies, bees, and insects enjoy its nectar.

28 Some of the birds on Burleson Ranch include the Red-tailed hawks, Cooper's Hawks,  
29 Sharp-shinned Hawks, American Kestrels, Eagles, Black-chinned Hummingbirds, Ruby-

1       throated Hummingbirds, Rufous Hummingbirds, Roadrunners, Blue Great Herons, Wild  
2       Turkeys, Great Egrets, and Belted Kingfishers, to name a few.

3       Some of the amphibians, reptiles, and crustaceans are included in our management  
4       plans. We have Cricket Frogs, Bull Frogs, two kinds of toads, three kinds of salamanders,  
5       and a variety of snakes. Our goal includes providing for a diverse wildlife population.

6       **Q. MR. BURLESON, ARE YOU ABLE TO IDENTIFY ALL OF THE SPECIES**  
7       **YOURSLEF?**

8       A. No, I am not. It has been, and is, a team effort to maintain and operate Burleson Ranch and  
9       its Wildlife Management Plan.

10       **IV. CONVERGENCE IS THE MOST CRITICAL AND PROTECTED AREA OF**  
11       **BURLESON RANCH**

12       **Q. WHY IS IT IMPORTANT THAT YOU MENTION A SAMPLE OF THE SPECIES**  
13       **THAT CALL BURLESON RANCH HOME FOR AT LEAST SOME PART OF**  
14       **THEIR LIVES?**

15       A. Burleson Ranch is an ecosystem in and of itself with all the diverse wildlife. All of  
16       Burleson Ranch is important to the Williamson County area. And, the primary and most  
17       crucial portion of Burleson Ranch is where the North and South Pastures join. In the maps  
18       above in Figures RAB-1 and RAB-2 you can see what is labelled as Tract I. It is where  
19       Brushy Creek meanders through Burleson Ranch. Tract I is the most critical area that needs  
20       protection from any form of disturbance.

21       **Q. FOR EASE OF IDENTIFICATION, WILL YOU PLEASE TELL US HOW LCRA**  
22       **LABELLED THIS AREA?**

23       A. Yes. LCRA's label Y1-001 is the primary marker of this most vital area of the entire ranch.  
24       However, Y1-001 does not encompass the entire critical area. It also includes the southeast  
25       portion of LCRA labelled property E5-001. Proposed segments G5, H5, W1, X1, and Z1  
26       cross this point.

27       **Q. WHY IS THIS A PIVOTAL AREA?**

28       A. As you can tell from a variety of maps including the ones above and the ones provided by  
29       LCRA, whether they are its landowner intervenor maps, aerial maps, or topographic maps,

1 this apex is where Brushy Creek has provided for the survival, food, and shelter for many  
2 types of flora and fauna. It is rich with depths of wildlife. We cannot imagine any worse  
3 place for a transmission line to be built.

4 **V. BURLESON RANCH: A LEARNING AND RECREATIONAL AREA**

5 **Q. MR. BURLESON, WOULD YOU PLEASE TELL US ABOUT BURLESON RANCH**  
6 **FROM YOUR PERSONAL PERSPECTIVE?**

7 A. I was 17-years-old when my father, Bud Burleson, passed away and I inherited 209 acres on  
8 the South side of Brushy Creek. There was naturally a concern that someone so young,  
9 would try to sell the property or change the use of it to quickly make a lot of money.  
10 However, in those 30 years that I have owned the property, I have continued to maintain it  
11 exactly as my father and grandfather did since 1938.

12 **Q. SO, YOU DECIDED TO CONTINUE WITH YOUR GRANDFATHER'S VISION OF**  
13 **BURLESON RANCH?**

14 A. Yes, I have, and it has generally operated at a loss. We keep the property as a working  
15 ranch and do all within our power to maintain the aesthetics, flora, and fauna of the  
16 property. This respect for the property includes allowing natural grasses (such that I listed  
17 above) to return, clearing brush, and improving water drainage to avoid top soil loss.

18 **Q. YOUR AUNT, MRS. ROBERTS TESTIFIED TO SOME OF BURLESON RANCH**  
19 **HAVING TO BE SOLD TO SUPPORT THE COMMUNITIES'**  
20 **INFRASTRUCTURE. HAVE YOU HAD TO SELL ANY PORTION OF YOUR**  
21 **SOUTH PASTURE LAND?**

22 A. Yes, I have. One of the community's infrastructure needs was a water line. That waterline  
23 is now on the southern border of C2-001. The only reason I sold the easement for the  
24 waterline is because it was determined that we had to negotiate a sale or have the property  
25 condemned.

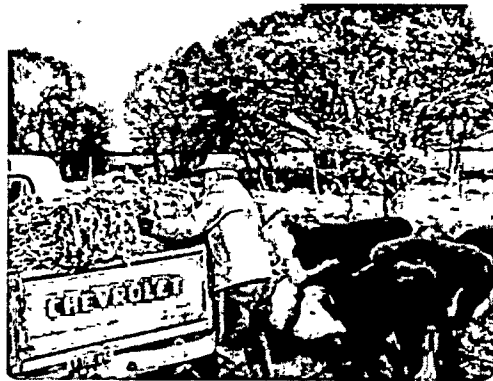
26 **Q. HOW OFTEN DID YOU GET TO VISIT BURLESON RANCH?**

27 A. I have spent most of my summers throughout my life, as well as several Easters,  
28 Thanksgivings, and Christmases, at Burleson Ranch. These visits, since before I can  
29 remember, were to connect with my grandfather, our family, and also the land. The

1 frequency of my visits began to increase in 1972, when my father's job allowed him to  
2 transfer from Florida to Louisiana. Since that time, I have continued visiting every chance I  
3 get regardless of where I live.

4 **Q. WHAT ACTIVITIES HAVE YOU, AND DO YOU, PARTAKE IN AT YOUR**  
5 **RANCH?**

6 A. There are so many things to be done on a working ranch and wildlife haven. I helped work  
7 the cattle, cleared brush, and mended fences. Here is a picture of when I was with my  
8 grandfather on Burleson Ranch helping feed the cattle:



9  
10 **Figure RAB-3: Feeding Cattle on Burleson Ranch**

11 **Q. WHAT IS ONE OF YOUR MOST FAVORITE MEMORIES AND FAVORED**  
12 **ACCOMPLISHMENTS AT BURLESON RANCH?**

13 A. I helped build one of the two cabins on my Aunt Mary Frances' portion of Burleson Ranch.  
14 We built the single cabin from recovered cedar logs, which were estimated to have been  
15 used to build a cabin sometime in the 1830's. My grandfather, my father, and I spent the  
16 better part of a month clearing the brush, leveling the soil, and then building the cabin. Each  
17 piece was hand hewn, so it was like a large, three-dimensional jigsaw puzzle where one log  
18 would only fit with one other log (ranging in weight from 50-250 pounds each). We even  
19 had to take levels down one time when we realized that the logs were not exactly level. It  
20 was the Summer of 1984 and I was just a young boy of 15, but I will cherish the memories  
21 of the hard work from dawn to dusk during the hot month of July. To this day, I always  
22 visit the cabin to remember not just my work, but also my now deceased grandfather and  
23 father. A picture of this cabin is in my Aunt Mary Frances' testimony.

1 **Q. DO YOU PLAN TO KEEP YOUR PORTION OF BURLESON RANCH IN THE**  
2 **FAMILY?**

3 A. Without a doubt, I plan to keep Burleson Ranch in the family! I am now a father, and  
4 continue to bring my entire family to Burleson Ranch every year that we can. My wife,  
5 Susan, and I have three children who are 15, 17, and 19 years old. They have each been at  
6 Burleson Ranch since before any of them could walk. In fact, we would even not let our  
7 oldest daughter touch soil until we brought her to the property, so that her first touch of the  
8 Earth would be at the Burleson Ranch. Like for me, my children have some of their fondest  
9 memories at this magical place. Below is a picture of one of my sons whittling beside my  
10 grandfather on the porch of one of the cabins on the Burleson Ranch.



11 **Figure RAB-4: Whittling on the Porch**  
12

13 My children now help with the wildlife surveys, feeding of the cattle, and other chores while  
14 we visit the property. They also enjoy exploring all parts of the property and marveling at  
15 all the fantastic improvements my grandfather made over his decades on the property. We  
16 intend on keeping the Burleson Ranch in operation for the generations to come.

17 I cherish the rich heritage of this place and with the help of my grandfather, we have  
18 been able to pass on this appreciation to my children. Here is a picture of my children with  
19 their great-grandfather in the cabin I built with my father and grandfather.



Figure RAB-5: Family Memories in a Burleson Ranch Cabin

1  
2  
3 **VI. PROPOSED SUBSTATIONS AND SEGMENTS THAT DO NOT FOLLOW PUBLIC**  
4 **CORRIDORS**

5 **Q. ARE ANY OF THE ALTERNATIVE SUBSTATION SITES LOCATED ON THE**  
6 **BURLESON RANCH?**

7 A. Yes, alternative substation sites 1-1 and 1-2 are located entirely within the boundaries of the  
8 Burleson Ranch. Further, substation site 1-3 is immediately adjacent to, and appears to  
9 share a boundary line of the Burleson Ranch, and would require location of at transmission  
10 line segments on the ranch.

11 **Q. IS BURLESON RANCH A WILLING SELLER OF EITHER THE PROPOSED**  
12 **SUBSTATION SITES 1-1 OR 1-2?**

13 A. No. The impact of the proposed substation sites and the associated transmission lines would  
14 be devastating to the Burleson Ranch. If either of these substation sites were used,  
15 transmission lines would necessarily cross the ranch without following any public corridor.  
16 Also, it is presumed that new distribution circuits would need to be constructed out of this  
17 substation those would also not follow public corridors.

18 **Q. PLEASE DESCRIBE THE PROPERTIES ADJACENT TO BURLESON RANCH?**

19 A. Burleson Ranch is bordered in whole or in part by residential and/or commercial  
20 developments on all sides. We have done our best to preserve Burleson Ranch as a haven  
21 in the midst of this development.

1 **Q. WHAT ROUTES DOES THE BURLESON-LAGMANSON GROUP OPPOSE?**

2 A. I have provided a chart that identifies each segment and substation that bisects or is located  
3 on Burleson Ranch. That chart is included with this testimony as Attachment RAB-2.  
4 Based on that understanding of LCRA's alternative proposals, these are the segments the  
5 use of which we are opposed (in alphabetical and then numerical order):

6 A2, B2, C2, D5, E5, F2, F5, G1, G2, G5, H2, H5, I2, K1, L2, L5, N2, R1,  
7 U1, U1a, V1, V1a, W1, X1, Y1; and Z1.

8 Use of any of these proposed segments would unnecessarily destroy and/or have a  
9 substantially negative impact the aesthetic values, environmental integrity, historical  
10 significance, and community benefits of Burleson Ranch.

11 In addition, while I understand that electrical power is needed for the population  
12 growth the area has seen, I am concerned that placing the station or lines in the Burleson  
13 ranch will result in losing some of the best trees and bottomland along Brushy Creek.

14 **VI. CONCLUSION**

15 **Q. DO YOU HAVE ANY CLOSING REMARKS?**

16 A. Burleson Ranch has been a long-standing haven in the community of Brushy Creek. In fact,  
17 it is bordered by Brushy Creek and portions of Brushy Creek are within Burleson Ranch. It  
18 is difficult to understand how it would be reasonable for this community resource to be  
19 sacrificed for this project, particularly in light of the fact that LCRA has worked well with  
20 local area officials to develop reasonable routes paralleling public corridors where possible.

21 **Q. DOES THIS CONCLUDE YOUR TESTIMONY?**

22 A. Yes, it does.

# Russell A. Burleson

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(937) 205-9947 (mobile)  
russell.burleson@nqc.com



## **Program Manager, Software Development, Systems Engineering**

Over 24 years of experience in delivering results with program management, software development, budgeting, scheduling, personnel management, contract negotiation, subcontractor management, large system integration, customer interface, testing, documentation, training, maintenance, and implementing Capability Maturity Model (CMM) and Agile Scrum methodology.

**Types of Projects:** Software Development, Cybersecurity, Anti-Fraud, Cloud, Video Surveillance, Emergency Operation Center/Command Center Design and Operation; Public Safety, Transportation, RF engineering, Geographical Information Systems (GIS); Computer Aided Design (CAD); and Computer Aided Dispatch (CAD).

## **Professional Experience**

- 2015-Present Northrop Grumman Baltimore, MD  
**Technical Manager Social Security Administration (SSA) Programs**
- Manager for infrastructure and information security projects for the SSA ITSSC program.
  - Managed over 26 individual task orders with 80 engineers, developers, and business analysts.
  - Supported the Office of Information Security (OIS) and the Office of Operations and Hardware Engineering (OOHE) with task orders supporting cybersecurity, anti-fraud programs, physical security programs, telephony, storage, data center migration, cloud systems and virtualization, workflow development, and business process analysis.
- 2007-2015 Northrop Grumman Nationwide including New York, Baltimore, and Los Angeles  
**Public Safety Applications and Video Surveillance Manager**
- Manager and technical expert for Northrop Grumman video surveillance and situational awareness. Provide software and systems management for multiple video surveillance programs supporting New York City and Los Angeles. Includes support of multiple disparate systems for security, public safety, transportation, and toll collection needs using both fiber and wireless networks.
  - Developed and designed the video security design for the Social Security Administration's new command center and the National Cancer Institute's new headquarters.
  - Developed multiple wireless video systems for the City of New York to integrate the multiple disparate video systems and provide a network backbone utilizing all City resources
  - Developed design for the LAPD Regional Video Command Center integrating LAPD video systems with the Port of Los Angeles, Port of Long Beach, and LAX airport.
  - Designed new mobile broadcast units and mobile video systems using proprietary video compression algorithms for wireless deployments.
  - Developed and integrated 3D models of lower Manhattan and Brooklyn for situational awareness.
  - Supported multiple City agencies including NYPD, FDNY, Office of Emergency Management, NYC DOT, and others providing video integration and management.
  - Led integration of public safety radio, CAD, and wireless networks for FDNY
  - Developed roadmap for FDNY to fully integrate their wireless video systems
  - Integrated latest camera, storage, video analytics, video compression, wireless transmission, and other techniques for multiple customers using heterogeneous video systems.
- 2010-2015 Northrop Grumman Beavercreek, OH  
**Manager Software Engineering**
- Public Safety Applications Software Manager for Premiere Map, Database, Altaris CAD, Command Point AFR/RMS, and legacy VMS CAD teams, implementing the Agile Scrum methodology.
  - Managed development teams of 11 to 16 developers across multiple product lines for public safety customers throughout the United States, Canada and Ireland. The developers worked across the country at multiple locations.



- Implemented the Scrum methodology as part of an Agile Development Process
- Led legacy VMS CAD development team, supporting 37 public safety customers
- Led the Premiere Map development team developing ESRI GIS based maps, address verification services, automatic vehicle location, and automatic vehicle routing systems for public safety customers.
- Led Altaris CAD development team, supporting a dozen customers including Cal Fire, Houston, Montreal, and Chicago
- Led Command Point AFR and Command Point RMS development teams supporting 10 customers
- Led update of software defect priority leveling and other software development process improvements.
- Led the Next Generation AFR and RMS design teams and was a member of the Next Generation CAD design teams tasked with developing a long term version for the future of the software.

2004-2007 Northrop Grumman

Kettering, OH

**Software Systems Manager for Transportation**

- Software and systems management for multiple FAR enforced programs; ARTIMIS, TRIMARC, HVT, Kentucky KOMS, and NYC Wireless Applications. Responsible for customer satisfaction, budgets, and schedules. Guided staff of communications, hardware, systems, and software engineers in designing, developing, and maintaining customer-approved systems. Led design, development, test and integration of software systems for transportation related incident management. Led design integration of communications, video surveillance, and vehicle detection and information dissemination, including support for a 24/7 command centers designed to monitor/manage transportation related incidents
  - Rearchitected legacy systems to Java, database independent, and platform independent system. Including training and restructuring of the legacy C programming staff.
  - Managed software development and integration for three separate transportations systems supporting Cincinnati, OH (ARTIMIS), Louisville, KY (TRIMARC), and upstate New York (HVT).
    - Involves integration with other systems including web pages and public safety (CAD systems)
- Technologies included JAVA, C/C++, ESRI GIS tools, database administration, and web page development.
- Chief Engineer for the \$50M U. S. Navy ELMR project for a nationwide Land Mobile Radio solution.
- Senior Engineer and Subcontracts management for \$20M Kentucky KOMS offender management system.
  - KOMS is the web based management software for all Kentucky state prisons, but was over six months behind schedule and the status was unknown. Vendor was a small software house that was overwhelmed and had difficulty meeting schedule, budget, and quality commitments.
  - Developed a defect tracking system and reduced known defects by over 75% within three months.
  - Developed final schedule to finish the project, while meeting all mandatory requirements.
  - Led development of training and documentation to support the hundreds of corrections officers.

2004 Northrop Grumman

Los Angeles, CA

**Deputy Program Manager, LAPD ECCCS Project**

- Deputy Program Manager for the \$65M LAPD Emergency Command, Control, Communications System (ECCCS) Program. Main duties include program management, budgeting, scheduling, personnel management, contract negotiation, subcontractor management, system integration, and customer interface. Staff of over 30 engineering, software, technical, and support staff.
- LAPD ECCCS includes development and integration of Computer-aided dispatch (CAD) and Message Switch (MSW)/Mobile Client Terminal (MCT). The system supports up to 9,000 police officers, two separate command centers, and 1,500 MCT units for the entire city with over 2,900 system requirements.
  - Software Development included modifications to COTS CAD software and custom MCT software.
  - Software had to be integrated to the legacy radio and telephony systems.
  - Cutover and testing was done on live system, requiring no interruption to ongoing operations.
- LAPD ECCCS Systems Integration Assistant Program Manager and Test Assistant Program Manager
  - Responsible for all subcontractor management including design, development, integration, testing, documentation, training, and maintenance

2001-2004 Northrop Grumman

Columbus, OH

**Chief Program Engineer, Ohio MARCS**

- Senior engineer for the \$300M Ohio Multi-Agency Radio Communications System (MARCS) Program including development of the Ohio Emergency Operations Center and Joint Dispatch Facility supporting all of Ohio law enforcement, Emergency Management Agency, and other agency needs. Work-scope included design, development, integration, testing, documentation, training, and maintenance. Responsible for requirements management, product engineering, and specialty engineering. MARCS is a statewide 800 MHz voice and data radio system supporting over 15 separate State and local agencies.
- Led the integration of the system to get the project back on track and achieve schedule and budget targets for the first time, meeting all 1,500 critical system requirements.
- Developed custom network monitoring system (MARCSNet) which was used to monitor the entire system and to see both network and security alarms throughout the state of Ohio.
- Systems included 800 MHz voice and data digital system, CAD system, MSW and MCT system for voiceless dispatch, law records management system, network monitoring, 24/7 help desk, and LAN/WAN backbone.
- Responsible for all subcontractor management including contract negotiation, design, development, integration, testing, documentation, training, and maintenance
- Managed over 13 engineers and computer programmers including staffing, personnel reviews, and salary.
- Led multiple areas of the project to a successful Level 3 CMMI external audit

2000-2001 Science Applications International Corp.

Champaign, IL

**Software Section Manager, Computational Electromagnetics**

- Software manager for development of over 10 state of the art Graphical User Interfaces (GUIs) and computational electromagnetic software packages.
- Project manager for over 14 separate projects, totaling over \$5M. Developed requirements, designs, budget and schedule estimates for all projects and delivered projects on schedule and within budget.
- Participated in development of an integrated Java and C++ architecture involving over 200 software object classes of with over 70% reuse of classes developed
- Led division to a CMM Level 3 internal assessment in six months, developing most processes from ground up.
- Manager of 15 engineers and computer programmers, responsible for staffing, personnel and salary reviews, and other management functions
- Conducted engineering analysis for radar and antenna design at multiple security levels
- Managed team using software development tools including ClearCase, Purify, PureCoverage, Quantify, and others. Technologies used included C/C++, OpenGL, and Java on UNIX, NT, and Linux platforms

1996-2000 Procter & Gamble

Cincinnati, OH/Alexandria, LA

**Information Systems and Controls Systems Manager, Procter & Gamble**

- Developed the first P&G globally applied chemical formulation and modeling program used in North America, Asia, Europe, and South America
- Lead Controls, Power, and Information Systems Engineer for the design of a new \$50M Plant
- Developed Industrial Controls and Information Systems for multiple global projects with total budgets of over \$3M, achieving success on schedule for under \$2.4M
- Project Manager and engineer for power, industrial controls, chemical process engineering, database development, networking, and GUI development
- Software developer using Visual Basic, FORTRAN, and HTML using Windows 95/NT PC's, VAX/Alpha, and multiple industrial controls platforms.

1993-1996 Wright Laboratory Combat ID Branch

Wright-Patterson AFB, OH

**Deputy Technical Director, Combat Identification**

- Directed software development for computational electromagnetics and 3-D Computer Aided Design (CAD) model development for multiple Air Force and Department of Defense programs up to TS/SSBI level with budget over \$20M.
- Managed over 30 engineers and computer programmers, multiple contracts, and 7 separate subcontractors.
- FORTRAN software developer, certified Air Force Acquisition Professional, High Frequency Chair for U. S. Electromagnetics Code Consortium, and High Performance Computing Representative for USAF.

1991-1992 Procter & Gamble

Alexandria, LA

**Plant Quality and Formulation Manager, Procter & Gamble**

- Responsible for formulation, processing, continuous improvement, and quality control for \$144M of raw chemicals a year.
- Developed a new running brand change method for improving quality and reducing change over time saving \$5M/year and providing logistical flexibility.

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**Education and License**

1992-1993 Air Force Institute of Technology

Wright-Patterson AFB, OH

- M. S. Electrical Engineering, 3.64 GPA, top 25% of class, Electromagnetics and Solid State Devices

1986-1991 Louisiana State University

Baton Rouge, LA

- B. S. Electrical Engineering, 3.5 GPA, top 10% of class

Licensed Professional Engineer (Louisiana #33203)

**Proposed Segments and Substations Affecting  
Burleson Ranch and Lagmanson Properties**

Owner	Tract ID	Affecting Segment(s)	Proposed Substations	Habitable Structures	Approx. Acres
<b>Burleson Ranch<sup>1</sup></b>					<b>515.65</b>
	E5-001	D5, E5, F5, G5, H5, V1, V1a, W1, X1		2	123.635
	F5-001	F5		2	1.0
	Y1-001	X1, Y1, Z1			13.50
	F5-046	F5			85.338
	F5-047	F5			0.34
	R1-007	F5, G1, R1			22.491
	U1-029	U1, U1a			18.896
	U1-030	B2, L5, R1, U1, U1a			4.34
	V1-049	U1, U1a, V1, V1a	1-1		32.54
	C2-001	A2, C2, F2, G2, G5, H2, H5, I2, L2, N2, W1, X1, Y1, Z1	1-2 1-3		209.3
	C2-002	[C2, F2, G2] <sup>2</sup>			5.27
<b>Markus Lagmanson</b>	K1-006	K1		YES	<b>6.05</b>

<sup>1</sup> Historical sites exist on Burleson Ranch (which we do not want to identify by parcel as such information is held confidentially).

<sup>2</sup> Segments are in brackets because they border the tax parcel. However, since Burleson Ranch is contiguous, these segments or their required easements would likely negatively impact this parcel.