

County Council of Howard County, Maryland

2019 Legislative Session

Legislative day # 5

RESOLUTION NO. 37 - 2019

Introduced by: Chairperson at the request of the County Executive

A RESOLUTION confirming the appointment of Steven Bolen to the Howard County Commission for Veterans and Military Families.

Introduced and read first time on April 1, 2019.

By order Jessica Feldmark
Jessica Feldmark, Administrator to the County Council

Read for a second time and a public hearing held on April 22, 2019.

By order Jessica Feldmark
Jessica Feldmark, Administrator to the County Council

This Resolution was read the third time and was Adopted , Adopted with amendments ____, Failed ____, Withdrawn ____ by the County Council on May 6, 2019.

Certified by Jessica Feldmark
Jessica Feldmark, Administrator to the County Council

NOTE: [[text in brackets]] indicates deletions from existing language; TEXT IN SMALL CAPITALS indicates additions to existing language. Strike-out indicates material deleted by amendment; Underlining indicates material added by amendment.

Steven M. Bolen, Ph.D.

EXECUTIVE PROFILE

- Recognized community leader with demonstrated ability to influence public opinion and legislative policy. Motivated, organized, and led grassroots teams of volunteers to successfully win a Primary election to become a Democratic Party nominee for the Maryland House of Delegates.
- Collaborative, results-driven leader experienced in managing cross-disciplinary, multi-agency, national programs, resources, and human capital that includes government civilian, military, and contractor teams.
- Highly skilled, visionary, critical thinker with proven ability to define and set programmatic strategic direction; and, to plan, defend, develop and deploy complex, large-scale, worldwide, integrated, land-air-space tasking, collection, processing, exploitation, and data management systems that support multidisciplinary, actionable, contextual intelligence operations.
- Deep technical expertise with 27 years of experience in acquisition, systems engineering, vulnerability threat analysis, and research and development deploying and maintaining operational systems and analytic tools.

EDUCATION

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| ▪ Ph.D. Electrical Engineering | Colorado State University, Fort Collins, CO | 2002 |
| | <ul style="list-style-type: none"> • Polarimetric space/ground radar atmospheric remote sensing • Statistical signals processing/Electromagnetic field theory | |
| ▪ M.S. Electrical Engineering | Michigan State University, East Lansing, MI | 1987 |
| | <ul style="list-style-type: none"> • Control systems theory/Communications and signals processing | |
| ▪ B.S. Electrical Engineering | Lawrence Tech University, Southfield, MI | 1985 |
| | <ul style="list-style-type: none"> • Magna cum Laude | |

PROFESSIONAL WORK EXPERIENCE

(details provided upon request)

Howard County Executive Transition Team Member **2018 - 2019**

Dr. Calvin Ball's Public Safety Subcommittee Transition Team

- Selected by the newly elected Howard County, Maryland Executive to serve on his Public Safety Subcommittee Transition Team.

Democratic Nominee for the Maryland House of Delegates **2018**

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- Led a grassroots movement for election to the Maryland House of Delegates. Successfully won my Primary election to become my Party's nominee.

Central Intelligence Agency (CIA) **2003 - 17**

- **Director, Systems Analysis Staff (SAS)** **2015-17**
National Reconnaissance Office (NRO)/Advanced Systems & Technology Directorate (AS&T)

- **Manager, Laboratory** **2014-15**
Directorate of Science and Technology (DST)/Office of Special Activities(OSA)
 - **Deputy Director, Research Team** **2012-14**
Directorate of Science and Technology (DST)/Office of Special Activities (OSA)
 - **Deputy Director, Integrated Program Office (DD/IPO)** **2009-12**
Joint Program Office (JPO): National Reconnaissance Office (NRO) - National Geospatial-
Intelligence Agency (NGA)
 - **Deputy Division Chief/Branch Chief/Program Manager - Contracting** **2005-09**
Officer Technical Representative (COTR)
National Reconnaissance Office (NRO)/Communications Directorate (COMM)
 - **All Source Analyst/Program Manager - COTR** **2003-05**
Directorate of Intelligence (DI)
- National Aeronautics and Space Administration (NASA)** **1993-03**
Human Spaceflight Center/Johnson Space Center, Houston, Texas
- **Deputy Program Manager, Avionics**
International Space Station (ISS) Transit Habitation (THab) Module
 - **Chief Engineer**
Space Operations Management Office (SOMO)
 - **Lead Engineer, Space Shuttle Orbiter (SSO)/ISS Communications and Tracking Operations**
Avionics Systems Division (ASD)
 - **Systems Engineer, Space-Space Communications System (SSCS)**
Avionics Systems Division (ASD)
- United States Department of the Air Force** **1988-91**
Rome Air Development Center (RADC), Griffiss AFB, Rome, New York
- **Program Manager - COTR**
- McDonnell Douglas Corporation, St. Louis, Missouri** **Summer 1986**
- **Electronics Engineer/Summer Internship**
- Texas Instruments Incorporated, Dallas, Texas** **Summer 1984**
- **Electronics Engineer/Summer Internship**

OTHER PROFESSIONAL ACTIVITIES

- IEEE Conference Committee Technical Paper Reviewer** 2006
- 2006 IEEE Radar Conference, Verona, NY, April 24-27, 2006.
- IEEE Co-Session Conference Committee Chair, Tracking** 2005
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- S. Bolen and V. Chandrasekar, "Method for Comparing Ground Radar (GR) with TRMM Precipitation Radar (PR) Observations," Tropical Rainfall Measuring Mission (TRMM) Science Team Meeting, Salt Lake City, Utah, May 2000.
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- Project Scientist** 1998
- TRMM Large Scale Biosphere-Atmosphere Experiment in Amazonia (LBA), Ji-Parana, Rondonia, Brazil (Joint NASA-NOAA field experiment).

AWARDS

- CIA Exceptional Performance Award 2014
- CIA Exceptional Performance Award 2012
- CIA Exceptional Performance Award 2011
- CIA Exceptional Performance Award 2010
- CIA Exceptional Performance Award 2008
- CIA Exceptional Performance Award 2008
- NRO Sentinel Award 2008
- CIA Certificate of Merit – Connection Program 2008

- NRO Director's Circle Award 2008
- CIA Exceptional Performance Award 2007
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- NASA JSC Go the Extra Mile (GEM) Award for TransHab Avionics 1998
- United States Department of the Air Force Performance Award 1990
- United States Department of the Air Force Performance Award 1989
- Dean's List: Lawrence Technological University (6 quarters) 1982-85
- Awarded Full 4-Year Tuition Scholarship: Lawrence Technological University 1982
- Dean 's List, Commandant's List, and Superintendent's List: US Air Force Academy 1981-82

PROFESSIONAL ORGANIZATIONS

- Institute of Electrical and Electronic Engineers (IEEE)
- Tau Beta Pi Engineering Honor Society – alumnus, Michigan Eta Chapter
- Eta Kappa Nu Elect Eng. Honor Society - alumnus & former secretary, Theta Upsilon Chi

**Howard County Council Resolution 37-2019
Commission for Veterans and Military Families**

Testimony

Steven M. Bolen

April 22, 2019

SUPPORT

Good evening,

My name is Steven Bolen. I live in Ellicott City; County Council District 5.

Before I begin, I want to thank our County Executive, Dr. Calvin Ball, for nominating me to the Howard County Commission for Veterans and Military Families. I was privileged to serve on his Public Safety Subcommittee Transition Team and I am once again honored by his nomination to this Commission.

I also thank the Chairperson, Ms. Christiana Mercer Rigby, for introducing County Resolution 37-2019 at the request of the County Executive.

I am here tonight with three special people: my wife Linda, and my parents, Donald and Maria Bolen. My parents are farm-raised teachers that grew up in Iowa during the Great Depression and World War II. My father is a Navy combat veteran who served in the Korean War. He was a radio operator on a Landing Ship Tank. In a couple of weeks, we will be celebrating his 87th birthday.

I ask the Council's indulgence, and the Chair's permission, to let my father stand so that he can be recognized for his service to our country. I thank him and his brothers and sisters-in-arms for their service.

I am a 27-year veteran of federal service. Like our servicemembers, I took an oath to protect and defend our Constitution. I spent my career working alongside those brave women and men doing just that.

I left service as a professional intelligence officer with the Central Intelligence Agency. I supported counter-terrorism, counter-proliferation, and special military units.

I began my career as an engineer, at the height of the Cold War, working for the U.S. Department of the Air Force at Rome Air Development Center, Griffiss Air Force Base. I spent a lot of long hours there working with many fine Air Force officers developing and deploying intelligence, surveillance, and reconnaissance technical solutions to counter Soviet, and communist Chinese and North Korean military threats.

I left the Air Force to work for NASA at the Human Spaceflight Center in Houston, Texas. My work on the Space Shuttle Orbiter, International Space Station, Extra-Vehicular Activity, Human Lunar Return, and Mars Expedition programs supported the Astronaut Corps; many of whom were military officers.

Drawing from my 27 years of service, I can bear first-hand witness of the enormous sacrifice that our servicemembers make to keep our country safe; and, the enormous sacrifice, stress, and anxiety faced by their loved ones back home.

Our veterans served and did their duty to protect us. When they come home and enter civilian life it becomes our duty to help them; and, that is exactly what I want to do.

According to the Department of Veterans Affairs, Maryland is home to nearly 380,000 veterans with about 18,000 living in Howard County.

In a 2016 report, Maryland's Interagency Council on Homelessness estimated that, on average, 8.75% of those homeless in Maryland were veterans.

Research performed by the RAND Center for Military Health Policy is also very troubling. They found that 20% of Vets who served in Iraq and Afghanistan suffer from either major depression or PTSD. That number is possibly higher. And, we cannot forget those like my father who served in Korea, Vietnam, and in other conflicts.

It is my keen desire to help our veterans as much as I can. We all need to lend a hand to promote the health, wellness, and healing of those coming home. Some need our help with long-term trauma recovery - both physical and psychological. They need access to education and vocational cross-training so that they can translate what they learned while in service to job-ready skills in the civilian marketplace. They need good jobs and they need help finding those jobs. They need help finding safe, affordable housing, childcare, and some families need counseling to help cope with the stress of post-service life.

I left federal service, but that doesn't mean that my desire to serve has ended. I look forward to continue to serve our community, county, and country; and, it will be my honor to serve on the Howard County Commission for Veterans and Military Families.

God Bless this County and the United States of America.

Thank you.

Steven M. Bolen, Ph.D.

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