County Council of Howard County, Maryland

2026 Legislative Session | Legislative Day No. 12

Resolution No. 18 -2026

Introduced by: The Chairperson at the request of the County Executive

SHORT TITLE: Appointment – Jonathan ("Jon") Shin– SMART Data Center Task Force

TITLE: A RESOLUTION appointing Jonathan ("Jon") Shin to the SMART (Strategic Moratorium for Assessing Responsible Technology) Data Center Task Force as an appointee for the County Executive.

Introduced and read first time Oct 5, 2026.

By order Michelle Harrod
Michelle Harrod, Administrator

Read for a second time at a public hearing on Oct 19, 2026.

By order Michelle Harrod
Michelle Harrod, Administrator

This Resolution was read the third time and was Adopted ✓, Adopted with amendments ___, Failed ___, Withdrawn ___, by the County Council on Oct 30, 2026.

Certified By Michelle Harrod
Michelle Harrod, Administrator

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

LEG2725

WHEREAS, on June 1st, 2026, the Howard County Council approved Council Bill 31-2026, which established a temporary prohibition of issuance of certain approvals of development plans on data processing centers, and called for the creation of the SMART (Strategic Moratorium for Assessing Responsible Technology) Data Center Task Force (the "Task Force"); and

WHEREAS, the members of the Task Force are tasked with developing a definition of "Data Center" for the Zoning Regulations; recommending best practices for data center siting and location, setbacks and screening, water consumption and impact, power and energy infrastructure, noise and acoustic mitigation, impact fees or excise tax application, decommissioning plans, removing the data center tax credit; and assessing the impact of data centers on the Howard County Climate Forward: Climate Action and Resiliency Plan; and

WHEREAS, in accordance with Council Bill 31-2026, each Councilmember shall nominate one member to the Task Force and the County Executive shall nominate no more than six members with all members appointed by individual Council Resolution; and

WHEREAS, the County Executive has the utmost confidence in the abilities and the character of:

Jonathan ("Jon") Shin
Columbia, Maryland

NOW, THEREFORE, BE IT RESOLVED by the County Council of Howard County, Maryland this 30 day of October, 2026 that Jonathan ("Jon") Shin be appointed as a member of the SMART Data Center Task Force of Howard County, Maryland, to serve from the date this Resolution is adopted until August 3, 2027, or until a successor is appointed.

Jonathan A. Shin

PE, PMP, MBA

PROFESSIONAL SUMMARY

Facilities and infrastructure leader with 13+ years of experience across data center operations, utility infrastructure, and capital programs. Currently leads critical facility infrastructure operations for a high-availability data center, with deep prior experience in utility infrastructure design, construction, and lifecycle modernization across complex sites. Licensed PE, PMP, and MBA experienced in applying codes and standards, evaluating operational risk, and translating technical issues into practical decisions. Inspired by the built environment and committed to strengthening institutions and communities through thoughtful, fair oversight in service of the public.

SELECTED QUALIFICATIONS

- ❖ Lead critical-environment operations for a high-availability data center, directing a multidisciplinary facilities team responsible for a significant portfolio of maintenance activities and infrastructure projects.
- ❖ Designed, constructed, and modernized utility infrastructure across complex campuses and facilities, including data center installation projects.
- ❖ Licensed PE, PMP, and MBA with experience translating infrastructure risk into capital priorities and operating strategies, supported by longstanding residency and community involvement in Howard County.

AREAS OF EXPERTISE

Data Center Operations | Utility Infrastructure | Critical Systems Reliability Capital Planning | Design & Construction | Master Planning | Environmental Health and Safety Management | Codes & Standards | Infrastructure Risk

PROFESSIONAL EXPERIENCE

MICROSOFT

Critical Environment Operations Manager | Mar 2025 – Present

- Lead operations and maintenance for a high-availability data center, with responsibility for critical electrical distribution, cooling infrastructure, and building controls.
- Direct facilities staff and service partners executing preventive maintenance, incident response, and infrastructure projects under rigorous change-control requirements.
- Evaluate asset condition, reliability risk, and lifecycle needs to prioritize repairs and capital improvements while sustaining continuous operations.
- Coordinate infrastructure reliability, lifecycle planning, and code compliance with regional and global stakeholders.

Critical Environment Program Manager | Nov 2023 – Mar 2025

- Managed facility maintenance programs across external service partners, establishing performance expectations and program governance for critical facility systems.
- Developed project controls for a national capital improvement program, coordinating design and construction activities around active operations.

MITRE CORPORATION

Site Operations Manager | Mar 2023 – Nov 2023

- Directed operations for a regulated research facility supported by critical power, central cooling, and building automation systems.
- Led a multidisciplinary site team and service providers, coordinating maintenance, emergency preparedness, and infrastructure changes with mission requirements.
- Developed facility investment and space-utilization plans by integrating occupancy demand, system capacity, and long-term organizational needs.
- Served as the principal site interface for facility issues, translating technical conditions into recommendations for organizational leadership.

FEDERAL GOVERNMENT

Program Manager | Mar 2022 – Mar 2023

- Led lifecycle planning and infrastructure renewal across 20+ facilities, converting identified deficiencies into prioritized replacement projects based on condition, mission impact, and cost.
- Developed a building automation modernization strategy across 40+ locations, improving system visibility, control consistency, and infrastructure reliability.
- Advised on electrical and mechanical infrastructure for new overseas facilities, supporting design development, construction coordination, and commissioning.

Project Manager, Facility Operations | Oct 2020 – Mar 2022

- Oversaw a large design and construction portfolio, including a major recapitalization program, aligning project scope with lifecycle needs, operational risk, and long-term priorities.
- Developed multi-year capital plans that sequenced utility upgrades and facility modernization around continuing operations.
- Delivered complex renovations and relocations by coordinating shutdowns, construction phasing, and stakeholder requirements.

Design Manager & Mechanical Engineer, Design & Engineering | Sep 2012 – Oct 2020

- Led multidisciplinary architectural and engineering design for HVAC, plumbing, and building automation systems, with emphasis on code compliance and maintainability.
- Designed plumbing, HVAC, mechanical, and BAS systems for data centers, technical spaces, offices, auditoriums, and mixed-use facility environments.
- Provided technical oversight through design, construction, and commissioning to resolve field conditions and protect long-term system performance.
- Led emergency response during major power disruptions, coordinating engineers and technicians supporting 250+ electrical substations to restore reliable service.

EDUCATION & CREDENTIALS

- **M.B.A.** Real Estate and Infrastructure, Leading Organizations – Johns Hopkins University
- **B.S.** Mechanical Engineering – University of Maryland, College Park
- **Professional Engineer License (43749)** – Maryland
- **Project Management Professional (3380440)** – PMI
- **2025 HCC Math Appreciation Week Speaker** – Math in Our Buildings
- **2023-2025 Vice President of Fundraising** – Local Community Elementary School PTA
- **2019 Facility Conference Speaker** – Emergency Facility Engineering Response in Power System Stabilization