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**DRAFT AGENDA – OPEN SESSION
FY25 BOARD OF GOVERNORS MEETING
Tuesday, February 11, 2025 – 12:00 pm to 4:00 pm (EST)
1828 L Street NW, Washington, D.C. - Conference Center, 1st Floor**

Lunch will be served at 12:00 pm

1. Opening of the Meeting (Start Time 1:00 pm)

- 1.1 Call to Order
Susan Ipri-Brown
- 1.2 Adoption of the Agenda ACTION
- 1.3 President’s Remarks (10 minutes) INFORMATION
Susan Ipri-Brown
- 1.4 Executive Director/CEO’s Remarks (10 minutes) INFORMATION
Tom Costabile
- 1.5 Consent Items for Action ACTION
Identification of items to be removed from Consent Agenda
Consent Items for Action are matters that the Board is asked to act on as a group. Governors are encouraged to contact ASME Headquarters with their questions prior to the meeting as it is not expected that consent items will be removed from the agenda.
 - 1.5.1. Approval of Minutes from November 17, 2024 Meeting
 - 1.5.2. Proposed Appointments
 - 1.5.3. Elevating & renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace
 - 1.5.4. Amendments to By-Law 5.2
 - 1.5.5. Proposed Changes to By-Law B5.5

2. Open Session Agenda Items

- 2.1 YTD Financial Report (10 minutes) INFORMATION
Bill Garofalo
- 2.2 Sector Reports (60 minutes) INFORMATION
Andy Bicos, Jen Jewers Bowlin, Bob Stakenborghs,
Rick Cowan, and Tom Vogan
- 2.3 ASME Foundation Campaign Update (20 minutes) INFORMATION
Keith Roe and Stephanie Viola

BREAK (20 minutes)

- 2.4 ECLIPSE Report (15 minutes) INFORMATION
 Alexander Marrero Laureano
- 2.5 2024 Planning Meeting Update (15 minutes) INFORMATION
 Anand Sethupathy
- 2.6 Committee on Sustainability (20 minutes) INFORMATION
 Sean Bradshaw

3. New Business

4. Open Session Information Items

4.1 Dates of Future Meetings

DATE	DAY	TIME	LOCATION
March 17, 2025	Monday	1:30 pm – 2:30 pm	Virtual Information Session
April 30, 2025	Wednesday	12:00 pm – 5:00 pm	2 Park Avenue, New York, NY
May 1, 2025	Thursday	8:00 am – 12:00 pm	2 Park Avenue, New York, NY
June 6, 2025	Friday	9:00 am – 3:00 pm	DoubleTree by Hilton Hotel, Portland, ME
June 8, 2025*	Sunday	9:00 am – 3:00 pm	DoubleTree by Hilton Hotel, Portland, ME

*FY26 Board of Governors

4.2 FY25 ASME Philanthropy Calendar

DATE	DAY	TIME	EVENT, LOCATION
February 19, 2025	Wednesday	12:30 pm – 7:30 pm	Lone Star College-CyFair in Cypress, Texas
February 20, 2025	Thursday	6:00 pm – 9:00 pm	Reception Honoring Kenneth Warren (ExxonMobil) with Holley Medal, Woodlands, Texas
February 21, 2025	Friday	6:00 pm – 9:00 pm	Top Golf Fundraiser, Spring, Texas
February 22, 2025	Saturday	TBD	K-12 STEM Event, Houston, Texas
March 20, 2025	Thursday	6:00 pm – 10:00 pm	Reinventing the Future 2025, Howard University, Washington, DC
May 1, 2025	Thursday	6:00 pm – 10:00 pm	Optimism Engineered 2025, New York City, New York

5. Adjournment of Open Session

List of Appendices

- 1.5.2. Proposed Appointments
- 1.5.3. Elevating & renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace
- 1.5.4. Amendments to By-Law 5.2
- 1.5.5. Proposed Changes to By-Law B5.5
- 2.2. Sector Reports
- 2.3. ASME Foundation Campaign Update
- 2.4. ECLIPSE Report
- 2.5. 2024 Planning Meeting Update
- 2.6. Committee on Sustainability



**ASME Board of Governors
Agenda Item
Cover Memo**

Date Submitted: January 21, 2025

BOG Meeting Date: February 11, 2025

To: Board of Governors

From: Committee on Organization and Rules

Presented by: Richard Marboe

Agenda Title: Proposed Appointments

Agenda Item Executive Summary:

Proposed appointments reviewed by the COR on January 21, 2025.

Proposed motion for BOG Action:

To approve the attached appointments.

Attachments: Document attached.

FEBRUARY 2025 PROPOSED APPOINTMENTS TO ASME UNITS

Internal Unit	Nominee	Appointment Position/Title	Appointment Term/Category	Appointment Type	History
Section Engagement Sector	Bryan Lewis	Member-at-Large	February 2025 – June 2027	Initial	Chair, Idaho Section; Advisor BYU-Idaho
Section Engagement Sector	Erkan Oterkus	Member-at-Large	July 2025 – June 2028	Initial	Chair, United Kingdom Section
Standards and Certification Sector	Christian Araguas	Member-at-Large	February 2025 – June 2027	Initial	Responsible for directing safety standards development to support design, construction, and operation of advanced nuclear power plants regulated by the Nuclear Regulatory Commission. This appointment is the initial ASME volunteer activity.
Old Guard Committee	David Wiebe	Member-at-Large	July 2024 – June 2027	Initial	Chair, Florida Section

Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	12/3/2024
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Leila Persaud
Presented by:	Honors & Awards
Agenda Title:	Elevating and renaming the John J. Montgomery Medal for Distinguished Innovation in Aerospace

Agenda Item Executive Summary:

The Committee on Honors at its November 22, 2024 meeting approved the elevation of the John J. Montgomery Medal for Distinguished Innovation in Aerospace to a Society-Level Award, and rename the award, the ASME John J. Montgomery Aerospace Medal.

Proposed motion for BOG Action:

To accept the Committee on Honors recommendations to elevate and rename the John J. Montgomery Medal for Distinguished Innovation in Aerospace to the ASME John J. Montgomery Aerospace Medal.

Attachment:

The award proposal that the Committee on Honors approved at its November 22, 2024 meeting is attached.

ASME SOCIETY-LEVEL AWARD PROPOSAL

John J. Montgomery Aerospace Medal

1. Salutation & Introduction

The ASME Aerospace Division would like to propose that the Division-level John J. Montgomery Award for Distinguished Innovation in Aerospace be elevated to a society-level award and renamed the ASME John J. Montgomery Aerospace Medal.

2. Background

The ASME John J. Montgomery Aerospace Medal is named for John Joseph Montgomery, one of the individuals considered to be a father of aviation. He flew his first glider under control in 1883 at Otay Mesa, near San Diego, CA. Each subsequent glider used different airfoils, control systems, and launching methods. Through these tests John became the first person in the Western Hemisphere to fly in a heavier-than-air flying machine in a controlled fashion (source: National Soaring Museum).

It preceded by some 10 years the famous glider flights of Otto Lilienthal, and by 20 years the historic powered flights of the Wright brothers.

Since he was in California, far from the publicized aviation trials taking place on the East Coast, and lacked the means to patent his invention, Montgomery's historic accomplishment was not immediately recognized. However, he was able to describe them at a public lecture in 1893 in Chicago.

Following his landmark achievement in 1883, Montgomery spent the next 10 years studying the principles of flight and the relationship between the wing surface and the air. He developed water and wind tunnels to investigate wing models, and drew inspiration from observations of larger birds in flight. He published several papers during this time and worked on a series of model gliders before building the Santa Clara, which performed horizontal figure-eights, well-controlled turns, and spirals, soaring nearly 4,000 feet above the Santa Clara Valley for 15 to 20 minutes as witnessed by hundreds of onlookers, including members of the press. According to Alexander Graham Bell, "All subsequent attempts in aviation must begin with the Montgomery machine."

In 1911, Montgomery built the Evergreen, using a design that was created to tolerate turbulence and wind gusts. Several innovative elements were incorporated into the design, including single-wing, aft-tail layout and wheel-yoke control, a major step in aircraft control. It was in the testing of the controls on this craft that Montgomery met his untimely death from a head injury. (Source: Santa Clara University web site).

While Montgomery's contributions have been somewhat overlooked, the Aerospace Division would like to commemorate his work and the advances he brought in the early days of aviation with the establishment of this Society-level award.

The Montgomery Glider is ASME Historic Landmark #189: <https://www.asme.org/about-asme/engineering-history/landmarks/189-montgomery-glider>

Further details about Montgomery's accomplishments can be found on Wikipedia: https://en.wikipedia.org/wiki/John_Joseph_Montgomery

3. Name of Award

ASME John J. Montgomery Aerospace Medal

4. Need for such an Award

This idea for this award originated several years ago and the original proposer, Godfrey Mungal, always intended to establish it as a society-level award. But the fundraising fell short and efforts to raise funds abated over time. Prof. Mungal approached the Aerospace Division about spearheading renewed efforts to raise the needed funds. Subsequently, the Division proposed that it be a division award until the funds could be raised. The award was given for the first time in 2023 and had four applications last year.

The Spirit of St. Louis Medal recognizes meritorious service in advancing aeronautics and astronautics while the Montgomery Medal focuses on innovations, new technologies or equipment, forward thinking and originality.

The Montgomery Aerospace Medal is needed because it focuses on innovation and new technologies in aerospace. There is not a society-level award that recognizes innovation in aerospace. It also provides recognition of a prominent father of aviation.

5. Description of the Award

The Montgomery Innovation Medal will recognize the outstanding contribution of an individual engineer residing in the international community who has researched, designed or developed (or any combination thereof) new technologies or equipment for the aerospace industry, i.e., aerodynamics, propulsion, aerospace structure/materials, stability and control, etc. As a professional in industry, each recipient will have significantly contributed to aeronautics and/or astronautics, and the engineering community at large. Awardees will have demonstrated originality, forward-thinking, and a thirst for innovation. The recipient will have helped to revolutionize the industry and open the door for greater progress in the field.

Form of Award

The winner would be recognized with a vermeil medal, certificate and a \$1000 honorarium, all funded by the ASME Foundation endowed account that is already established for it.

6. Financial Provisions

Fundraising has been ongoing for several years with Godfrey Mungal's efforts and recent Aerospace Division efforts. The \$80,000 goal was recently achieved.

ASME JOHN J. MONTGOMERY AEROSPACE MEDAL PROPOSED RULES OF AWARD

Form of Award

Vermeil medal, certificate and \$1000 honorarium

Achievement Recognized

The John J. Montgomery Aerospace Medal will recognize the outstanding contribution of an individual engineer residing in the international community who has researched, designed or developed (or any combination thereof) new technologies or equipment for the aerospace industry, i.e., propulsion, aerospace structure/materials, stability and control, etc. As a professional in industry, each recipient will have significantly contributed to aeronautics and astronautics, and the engineering community at large.

Awardees will have demonstrated originality, forward-thinking, and a thirst for innovation. The recipient will have helped to revolutionize the industry and open the door for greater progress in the field.

Nominating Committee

The award is administered by the Aerospace Division Executive Committee. The Executive Committee will form a John J. Montgomery Aerospace Medal Award Committee consisting of six members, each serving a term of three years; the terms of two members expire each year in June. Members are named by the Division Executive Committee by April 1 of each year. The Aerospace Division Chair shall appoint its chair from the six current members. Members of the Montgomery Aerospace Medal Committee shall be approved by the Committee on Honors.

Members of the John J. Montgomery Aerospace Medal Award Committee are not eligible to receive the award or write letters of support.

Review Process

The John J. Montgomery Aerospace Medal Award Committee solicits nominations, reviews all nominations received by September 1 and makes a recommendation of the winner to the Division Executive Committee. If the Executive Committee approves the nomination, it will be forwarded to the Committee on Honors no later than October 1.

Nomination Deadlines

September 1 to the John J. Montgomery Aerospace Medal Award Committee
October 1 to the Committee on Honors.

Funding

Temporarily Restricted net assets: \$40,000
Permanently Restricted net assets: \$40,000
\$80,000



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 21, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Governance Staff
Agenda Title:	Amendments To By-Law 5.2

Agenda Item Executive Summary:

The Board of Governors approved for first reading revisions to By-Law 5.2 at its November 17, 2024, meeting.

Changes to other By-Laws and Society Policies to reflect this new By-Law will be presented at the Board's April 30 meeting.

Proposed motion for BOG Action:

To adopt changes to By-Law 5.2 "Sectors and Committees Reporting to the Board of Governors."

Attachment:

By-Law B5.2

B5.2 SECTORS AND COMMITTEES REPORTING TO THE BOARD OF GOVERNORS OR EXECUTIVE COMMITTEE

B5.2.1 The sectors reporting to the Board of Governors shall be the Section Engagement Sector, the Standards and Certification Sector, the Technical and Engineering Communities Sector, the Public Affairs and Outreach Sector and the Student and Early Career Development Sector.

Each sector shall be led by a council. The council of each sector shall consist of such voting members as specified in the sector By-Laws. Individuals, as may be required or designated pursuant to any statute, regulation, or court order or consent decree may also be voting or non-voting members of a sector council. A member of the senior staff of the sector, if any, may be a voting member of the sector council. The sector council may designate both volunteer and staff non-voting members.

The duties and responsibilities of the sectors shall be as designated from time to time by the Board of Governors. Each sector shall maintain its own operation guide as prescribed by Society Policy. Each sector shall be chaired by a senior vice president who shall serve a term of three years. Additional service as the same senior vice president may occur after an interruption of one or more years or following a partial term. Senior Vice Presidents shall attend meetings of the Board of Governors without vote.

B5.2.2 The Board of Governors has established the following committees of the Board, each of which shall consist of three or more Governors and which shall report directly to the Board of Governors: Executive Committee, Committee on Finance and Investment, Audit Committee, and Committee on Executive Director/CEO Evaluation and Staff Compensation. Each committee of the Board shall have such power and authority as the Board of Governors shall specify in these By-Laws or a Board resolution and as permitted by law, except that no such committee shall have authority as to the following matters: (i) the submission to members of any action requiring members' approval under New York law or these By-Laws; (ii) the filling of vacancies in the Board or in any committee; (iii) the fixing of compensation of the Governors for serving on the Board or on any committee; (iv) the amendment or repeal of the By-Laws or the adoption of new By-Laws; (v) the amendment or repeal of any resolution of the Board which by its terms cannot be so amended or repealed; (vi) the election or removal of Governors and officers; (vii) the approval of a merger or plan of dissolution; (viii) the adoption of a resolution recommending to the members action on the sale, lease, exchange or other disposition of all or substantially all of the Society's assets; (ix) the purchase, sale, mortgage or lease of real property of the Society if the property constitutes, or would constitute, all or substantially all of the assets of the Society; or (x) the approval of amendments to the Society's certificate of incorporation. The Board shall appoint, by majority vote at a meeting at which a quorum is present, the members of all Board committees, except for the Executive Committee, whose members must be appointed by a majority vote of the Entire Board of Governors. All committees of the Board shall consist exclusively of Governors; provided, however, that the Board or a committee of the Board may designate one or more members of the Society's management and/or other individuals to serve in an advisory capacity to such committee and who may attend and participate in meetings of the committee (if invited by the committee) but who shall not have the right to vote or deliberate on matters before the committee.

B5.2.2.1 The Executive Committee shall act on behalf of the Board of Governors between Board of Governors meetings, its authority limited to those matters specifically provided for in these By-Laws and specifically delegated to it, consistent with applicable law, by the Board of Governors from time to time. All such actions shall be ratified by the Board of Governors at its next scheduled meeting. The Executive Committee shall have

responsibility to accept grants, gifts or bequests in accordance with By-Law B4.4.4. The Executive Committee shall meet from time to time as deemed necessary by the Committee. The Executive Committee shall have responsibility for overseeing the Scholarship Committee and Old Guard Committee.

The President will serve as Chair of the Executive Committee. One Elected Governor from each class, who is selected by closed written ballot by the Board of Governors at the Board's first meeting of the fiscal year, shall constitute the remaining voting members of the Executive Committee. If a round of closed written balloting shall fail to produce a majority vote of those present and constituting a quorum in support of a Governor, the lowest vote-getter shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. If a round of closed written balloting shall produce a tie, the tie shall be broken by a drawing of straws by the tied candidates, and the candidate who draws the shorter or shortest straw shall be removed from the ballot for one or more subsequent rounds of closed written balloting until a single candidate shall receive a majority vote of those present and constituting a quorum. The Executive Director/CEO is a non-voting member of the Executive Committee.

B5.2.2.2 The Committee on Finance and Investment, under the direction of the Board of Governors, shall have responsibility for oversight of the financial and investment affairs of the Society, including: (1) reviewing and recommending for Board approval policies related to the Society's financial condition, budget, investments, and reserves; (2) reviewing regular financial reports from management to assess the financial status of the Society; (3) reviewing and monitoring annual operating budgets for the current fiscal year, and recommending an annual operating budget to the Board of Governors for approval for the following fiscal year; (4) overseeing the administration of the Society's real property; (5) overseeing the investment of monies, securities and other assets of the Society, with the authority to invest and re-invest the same, in accordance with the Investment Policy of the Society; and (6) reviewing and recommending for board approval significant capital expenditures and asset acquisitions and dispositions. In discharging its role, the Committee is empowered to inquire into any matter it considers appropriate to carry out its responsibilities with access to the books and records of the Society. Subject to the direction of the Board of Governors, the Committee is authorized and delegated the authority to act on behalf of the Board with respect to the management of the Society's investments in accordance with the Investment Policy of the Society.

The Committee on Finance and Investment shall consist of at least three Elected Governors annually selected by the Board of Governors. Such Governors shall be selected by the Board of Governors at the first meeting of the fiscal year and shall consist solely of "independent" members of the Board as defined under Section 102 (a) (21) of the New York Not-for-Profit Corporation Law. The Chair of the Committee shall be appointed by the Board from among the Committee members and shall preside at meetings of the Committee and shall have authority to convene meetings, set agendas for meetings, and determine the Committee's information needs, except as otherwise provided by the Board or the Committee. The Treasurer, Assistant Treasurer and Chief Financial Officer may participate in meetings of the Committee on Finance and Investment at the request of the Chair of the Committee but shall not be counted towards the presence of a quorum and shall not have the right to vote on any matter before the Committee.

B5.2.2.3 The Audit Committee, under the direction of the Board of Governors, shall have responsibility for overseeing the accounting and financial reporting process of the Society and the audit of its financial statements and report its activities to the Board. The Committee will be responsible for overseeing the adoption and implementation of, and compliance with, the Society Policies on whistleblowers and conflicts of interest. The Committee will annually

consider the performance and independence of the independent auditor and recommend retaining or renewing the retention of the independent auditor to the Board. The Committee will liaise with the independent auditor prior to the commencement of the audit and upon completion of the audit, review and discuss the audit results and any related management letter with the auditor, including:

- (a) any material risks and weaknesses in internal controls identified by the auditor;
- (b) any restrictions on the scope of the auditor's activities or access to requested information;
- (c) any significant disagreements between the auditor and management; and
- (d) the adequacy of the Society's accounting and financial reporting processes.

The Audit Committee shall consist of three Elected Governors (serving staggered terms on the Board). The Committee membership is determined by the Board of Governors and consists solely of "independent" members of the Board as defined under Section 102(a) (21) of the New York Not-for-Profit Corporation Law. The Chair shall be the senior Governor, and the Vice Chair shall be the second-most senior Governor.

The Treasurer, Assistant Treasurer and Chief Financial Officer may participate in meetings of the Audit Committee at the request of the Chair of the Committee but shall not be counted towards the presence of a quorum and shall not have the right to vote on any matter before the Committee. The Audit Committee shall meet in executive session, including with the independent auditor, as the Audit Committee deems necessary or appropriate. The President shall nominate an incoming first-year Elected Governor for appointment by the Board. Audit Committee members shall serve a three-year term unless their term on the Board of Governors expires earlier than three years.

- B5.2.2.4 The Committee on Executive Director/CEO Evaluation and Staff Compensation, under the direction of the Board of Governors, shall have responsibility for making recommendations to the Board regarding the Executive Director/CEO's performance planning and evaluation and for making recommendations to the Board regarding the Executive Director/CEO's compensation, including salary and bonus recommendations.

The Committee shall also have the responsibility to advise the Board of Governors on activities of the Society's staff regarding staff compensation, including bonus programs; and staff and retiree benefit programs. The Committee will also be responsible for staff related Society Policies P-7.1, (Recognition of Staff Members - Years of Service) and P-7.2, (Staff Employment Guidelines).

In addition, the Committee has oversight responsibilities for the Retirement Plan Committee.

The Committee on Executive Director/CEO Evaluation and Staff Compensation shall consist of the President, and three Elected Governors (serving staggered terms on the Board). The President shall nominate an incoming first year Elected Governor for appointment by the Board. The Chair of the Committee shall be the senior Governor, and the Vice Chair shall be the second-most senior Governor. The Elected Governors shall serve a three-year term unless their term on the Board of Governors expires earlier than three years.

- B5.2.3 The Board of Governors has established the following "committees of the corporation" in accordance with Section 712(e) of the New York Not-for-Profit Corporation Law to carry out such advisory functions as the Board shall specify in these By-Laws or a Board resolution and as permitted by law: Committee on Organization and Rules, Committee of Past

Presidents, Philanthropy Committee, Diversity, Equity and Inclusion Strategy Committee, Industry Advisory Board, Volunteer Orientation and Leadership Training Academy, History and Heritage Committee, Committee on Sustainability, Committee on Honors, Scholarship Committee and Old Guard Committee. Each committee of the corporation shall maintain its own operation guide as prescribed by Society Policy or by the Board of Governors. The Board of Governors shall designate the members of each committee of the corporation. The members of a committee of the corporation need not be Governors or officers of the Society. A committee of the corporation will not have the authority to bind the Board of Governors or the Society.

B5.2.3.1 The Committee on Organization and Rules, under the direction of the Board of Governors, shall have responsibility for ensuring that the Society is organized and supplied with qualified leadership to serve the current and anticipated future needs of the membership, and shall reexamine regularly the Constitution, By-Laws and Policies of the Society. The Committee on Organization and Rules shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

B5.2.3.2 The Committee of Past Presidents, under the direction of the Board of Governors, shall have responsibility for electing Fellows, overseeing the ethical practice of engineering, and providing guidance on matters where its experience may be useful, upon request by the President, Board of Governors, and other units of the Society. The Committee of Past Presidents shall select its own Chair and Vice Chair. Its membership shall consist of all living Past Presidents, unless the Board of Governors, Executive Committee or Ethics Committee makes a finding that results in the censure, expulsion, suspension or other disciplinary action of a Past President involving the following conduct:

- (a) violation or attempted violation of the Society Policies with respect to Ethics, Code of Conduct or Discrimination and Discriminatory Harassment, knowingly assisting or inducing another to violate or attempt to violate the Society Policies with respect to Ethics, Code of Conduct, or Discrimination and Discriminatory Harassment, or doing so through the acts of another;
- (b) illegal conduct that adversely reflects on the Past President's honesty, trustworthiness or fitness to serve ASME in a position of trust;
- (c) conduct involving breach of fiduciary duty, dishonesty, fraud, deceit or misrepresentation; or
- (d) other conduct that is or reasonably could be harmful to the reputation and administration of the Society.

Disciplinary action for conduct described in B5.2.3.2 (a) through (d) shall render a Past President ineligible for membership on the Committee of Past Presidents and shall result in the expulsion from the Committee of any current member of the Committee of Past Presidents.

B5.2.3.3 The Committee on Sustainability, under the direction of the Board of Governors, shall have responsibility for recommending to the Board of Governors a climate and sustainability strategy for the Society. The Committee on Sustainability shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.

B5.2.3.4 The Philanthropy Committee, under the direction of the Board of Governors, shall have responsibility for advising the Board of Governors and assisting the Society in connection with fundraising activities and philanthropic programs carried out using the Society's name

or other resources. The Philanthropy Committee shall select its own Chair and Vice Chair. The ASME Executive Director/CEO, the ASME Managing Director of Philanthropy and the ASME Managing Director of Programs shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.

- B5.2.3.5 The Diversity, Equity and Inclusion Strategy Committee, under the direction of the Board of Governors, shall have responsibility for providing insight and advice into promoting diversity, equity and inclusion within ASME and mechanical engineering. The Diversity, Equity and Inclusion Strategy Committee shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.3.6 The Industry Advisory Board, under the direction of the Board of Governors, shall have responsibility for providing a voice for industry within ASME through the communication of the needs of engineers that are engaged in industry. The Industry Advisory Board shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.3.7 The Volunteer Orientation and Leadership Training Academy, under the direction of the Board of Governors, shall have responsibility for developing ASME's volunteer leadership. VOLT's programmatic offerings extend to volunteers serving throughout the Society at all levels. The Volunteer Orientation and Leadership Training Academy shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President may select a Governor to serve as Liaison to the Academy during their Presidential term.
- B5.2.3.8 The History and Heritage Committee, under the direction of the Board of Governors, shall have responsibility for the Historic Mechanical Engineering Landmark Program, maintaining records of notable mechanical engineering achievements and personalities, and other history and heritage activities within ASME and mechanical engineering. The History and Heritage Committee shall select its own Chair and Vice Chair. Its membership shall be determined annually by the Board of Governors. The President may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.3.9 The Committee on Honors, under the direction of the Board of Governors, shall have responsibility for recommending properly selected candidates for honors, medals, Honorary Members, and awards, and as required shall recommend recipients of joint awards, all subject to approval by the Board of Governors. However, the Board may delegate to the Committee on Honors the power to approve candidates for any honor, medal or award other than Honorary Member or ASME Medalist. The Committee on Honors shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The Chair of the General Awards Committee shall be an ex officio member with vote. The President may select a Governor to serve as Liaison to the Committee during their Presidential term. The General Awards Committee, under the direction of the Committee on Honors, shall seek candidates for all honors and awards except Honorary Members, the ASME Medal, and group-level awards, and shall screen nominations and make recommendations to the Committee on Honors. The General Awards Committee shall consist of a Chair, a Vice Chair and a membership as determined by the Committee on Honors. Other Society award committees, including special award committees, shall in accordance with the policies and procedures administered by the Committee on Honors, seek nominees for honors in their several areas of interest, shall screen nominations, and make recommendations to the Committee on Honors.

- B5.2.3.10 The Scholarship Committee, under the direction of the Executive Committee, shall have responsibility for selecting recipients of ASME scholarships, approving the establishment of new scholarships, and other activities related to ASME scholarships. The Scholarship Committee shall consist of a Chair, a Vice Chair, and a membership as determined by the Executive Committee.
- B5.2.3.11 The Old Guard Committee, under the direction of the Executive Committee, shall have responsibility for administration of its competitions and awards. The Old Guard Committee shall consist of a Chair, a Vice Chair, and a membership as determined by the Executive Committee.
- B5.2.4 The Retirement Plan Committee, under the direction of the Committee on Executive Director/CEO Evaluation and Staff Compensation, shall have responsibility, as specified in the ASME Thrift Plan, the ASME Defined Contribution (DC) Plan, the ASME 457(b) Plan, and the ASME 401(k) Plan documents, including to act as Plan Administrator and Named Fiduciary for such plans and assume such responsibilities as developing investment policy statements, selecting and monitoring investment choices, benchmarking Plan administration expenses and investment plan administrators performance and selecting, appointing and retaining plan investment, governance and plan administration compliance advisors, as well as having the power to make ministerial and technically required plan amendments.

The Retirement Plan Committee shall consist of four members: two members of the Executive Team, the Chief Human Resources Officer and one Volunteer member selected by the EDESC. The three staff members will be nominated by the Executive Director/CEO and appointed at the discretion of the EDESC.

The ASME Staff members of the Committee may be members with vote for as long as they hold the positions described in this By-Law B5.2.4.



**Board of Governors Meeting
Agenda Item
Cover Memo**

Date Submitted:	January 21, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Committee on Organization and Rules
Presented by:	Richard Marboe
Agenda Title:	Proposed Changes to By-Law B5.5

Agenda Item Executive Summary:

The Technical and Engineering Communities Council proposed changes to B5.5 to allow it to have up to four Members-at-Large.

Proposed motion for BOG Action:

To approve for first reading changes to By-Law B5.5.

Attachment(s):

Document attached.

B5.5 TECHNICAL AND ENGINEERING COMMUNITIES SECTOR

- B5.5.1.1 The Technical and Engineering Communities (TEC) Sector, under the direction of the Board of Governors, is responsible for activities of the Society relating to engaging individuals and groups in advancing engineering skill, art, science, knowledge and practice, and in planning, developing and delivering new technical content in the form of new products, services, networking opportunities, conferences, events and delivery mechanisms across ASME's technology areas, as well as managing the current portfolio of products and services. The Technical and Engineering Communities Sector will maintain a current Sector Operation Guide containing operational details of the Sector not covered in these By-Laws.
- B5.5.1.2 The Technical and Engineering Communities Sector shall be led by a Sector Council that consists of the following voting membership: a Senior Vice President (SVP) as Chair, two Vice Chairs, and ~~two~~ up to four members-at-large. The non-voting membership of the Sector Operating Council shall include staff as appointed by the Executive Director/CEO.
- B5.5.1.3 The incoming Senior Vice President of the Technical and Engineering Communities Sector shall be nominated by the Technical and Engineering Communities Sector Council for appointment by vote of the Board of Governors for a term of three years.
- B5.5.1.4 Technical Divisions and Research Committees are part of the Technical and Engineering Communities Sector and report to the TEC Sector Council.
- B5.5.1.5 The Vice Chairs and the members-at-large shall be appointed by the Board of Governors as recommended by the Technical and Engineering Communities Sector Council. The term of the Vice Chairs and members-at-large shall be up to three years.
- B5.5.1.6 The Technical Committee on Publications and Communications (TCPC) is responsible for publications of the Society, except that the Standards and Certification Sector shall be in charge of codes and standards. The Committee shall consist of a Chair and a membership as approved by the Technical and Engineering Communities Sector Council.



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 14, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	William Garofalo, Chief Financial Officer
Presented by:	William Garofalo
Agenda Title:	YTD Financial Report

Agenda Item Executive Summary:

A YTD financial report will be provided.

Proposed motion for BOG Action:

None

Attachment(s):

None



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 14, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Senior Vice Presidents
Presented by:	Andy Bicos, Jen Jewers Bowlin, Bob Stakenborghs, Rick Cowan and Tom Vogan
Agenda Title:	Sector Reports

Agenda Item Executive Summary:

In lieu of written reports, each Senior Vice President will give a short presentation during the open session of the BOG meeting providing an update on sector activities.

Proposed motion for BOG Action: **none**

Attachment(s): **PowerPoint**

PAO Report to the Board of Governors

Andy Bicos
Senior Vice President
Public Affairs & Outreach

February 2024

Overview

This presentation provides an overview of PAO committee activities for the first half of FY2025 (July-December)

- Senior Vice President Recruitment
- Committee on Engineering Education
- Committee on Engineering for Sustainable Development
- Committee on Government Relations
- Committee on Pre-College Engineering Education (K-12)

Senior Vice President Recruitment

- The goal is to strengthen the SVP position, enhance communication with the BoG, and ensure alignment with ASME's priorities.
- Active recruitment of SVP candidates will be escalated given the BoG approval of the sector realignment and vision.

Committee on Engineering Education

- Efforts to establish **new program criteria are underway for robotics and mechanical engineering** programs continue, with updates incorporating Diversity, Equity, and Inclusion (DEI) initiatives.
- The shortage of program evaluators has improved, with a robust pipeline for future evaluations. Over one-third of ABET reviews now occur internationally, highlighting global reach.
- The annual Mechanical Engineering Education (MEEEd) Conference is scheduled for March 27–29 at USC in Los Angeles.
- Applications for scholarships opened on December 1, with deadlines varying by program.

Committee on Engineering for Sustainable Development (ESD)

- Ongoing discussions about ESD's mission and its optimal positioning in ASME for maximum impact.
- Recent activities include a research meeting at IDETC 2024, revising the ESD Call for Papers, and producing 15 papers, one of which received 19 citations.
- Contributions to the United Nations STI4SDGs Guidebook continue, with plans to resume the seminar series in 2025.

Engineering for Change (E4C)

- Engineering for Change (E4C) completed its 10th cohort with 46 fellows from 17 countries.
- Issued a call to action for 2025 impact projects, inviting individuals or organizations to propose or fund initiatives.
- The E4C Fellowship for early-career engineers is accepting 2025 applications through February.

Committee on Government Relations

CGR Succession Planning and Recruitment

- CGR is recruiting for 2 open Member-at-Large positions and for a new CGR Chair with a term starting July 1, 2025.
- Developing a recruiting strategy to increase participation in ASME's public policy activities using the ASME Community Engagement Center.

Federal Fellows

- CGR has updated its Charter to transition oversight of the Federal Fellows Program to the ASME Foundation volunteer structure.

119th Congress Roadmap

- CGR is working with ASME staff to prepare updates to the ASME Public Policy Agenda and Legislative Action Plan for the new Congress.
- New priorities include:
 - elevated focus on intellectual property rights and standards policy issues
 - climate & sustainability
 - advanced manufacturing
 - bioengineering
 - space
 - diversifying and growing the STEM workforce

Committee on Pre-College Engineering Education (K-12)

Collaborations with Discovery Education

- Produced a podcast and article with *Industry Tomorrow*, highlighting industry's impact on K-12 STEM education.
- Engineering Dreams online platform was used by 25K students in the first half of FY25, with a geographic reach of 39 states and the District of Columbia. 74% of students using Engineering Dreams' resources are grades K-5, with 58% of recognized schools designated as Title 1.
- 51 onsite events during first half of FY25 through DropMEIn! and related programs, engaging 1,647 K-12 students.
- Over 40 virtual DropMEIn! classroom visits are scheduled between Feb-April 2025, largely in Los Angeles.

Other significant engagement

- ASME “ME: Problem-Solver for Good” 4-week camp experience in Chicago.
- Four sessions at a children’s STEAM museum in Maryland.
- Day-long session for high school students at Microsoft offices in Virginia (second year of participation).
- Recent workshops include a 2-hour event at EFX Peru and participation in the STEM Connector conference
- On track to support 90 onsite student engagements by May 2025.

Thank you!

Student & Early Career Development

Update to the ASME Board of Governors

June 2025

Jennifer Jewers Bowlin, SVP

E-Fest: A global, digital brand

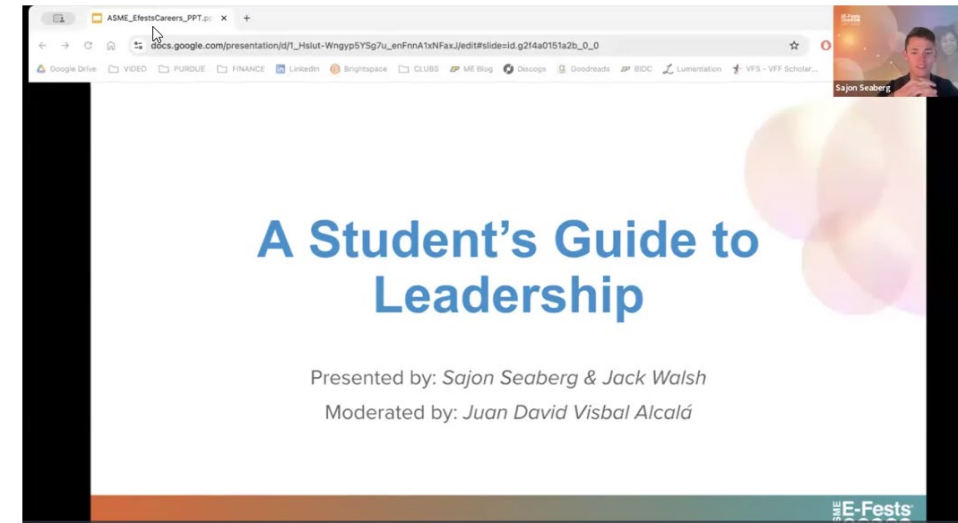
E-Fest Careers continues to be a strong brand focusing on career readiness since its launch in FY21

FY25 event (September 21st) saw the largest registration numbers to date:

- Total registration (all in): 9629 vs 6550 LY
- Total attendees: 2769 vs 2254 LY

Attendees % Geographical Mix

- India – 85%
- US = 5%
- Pakistan = 3%
- Egypt, Mexico, Lebanon, Ecuador = 1% each



Challenges & Opportunities

- Our current event platform is costly for free events
- We are looking at other platform options and regionalizing events like E-Fest Careers to focus on local topics and run during best local times

EFx: In-Person Student-Led Global Events

Key Accomplishments since July 1st:

- Successfully launched 6 EFx events (four in India; one in Colombia; one in Peru)
- Our EFx in Peru included a first ever K-12 workshop with 24 attendees

Program Performance Metrics:

- 6 EFx events had 1,030 attendees in total

Upcoming Initiatives:

- Coordination of AY25-26 competition rules underway for projected completion by end of Q3
- NEW: STEM Impact Challenge rules underway for AY25-26 launch (a competition to address a local challenge in the areas of health, environment, renewable energy and sustainability)
- 13-16 additional EFx events planned for remainder of FY25
- 2-3 additional K-12 workshops planned at EFx events for remainder of FY25



ECE Programs

Key success: Providing ECE-focused content at ASME events

- Recruited for and grew ECEPC volunteer team by 85% since Q1 FY25
- ECEPC-organized panel session at IMECE was full - ~85 attendees
- Largest attendance for ECEPC-organized session at E-Fest Careers - ~715 attendees

Ongoing ECE challenges:

- **Conversion and retention:** SECD serves as a lead channel or top of the funnel program; downstream value proposition needs to be compelling to convert and retain both students and ECEs
- **Segmentation:** ECEs are a diverse community, there is no "one size fits all" approach; need to better differentiate segment-specific strategies (e.g., by industry, geography, etc.)
- **ECE Volunteers:** ECEs are very time constrained; ASME really needs to be in their "Top 2" for sustained engagement

ASME TEC Sector Council

UPDATE – FEBRUARY 2025

TEC Portfolio 2022 to 2024

» 2022

- 40 Conferences
- 36 Divisions
- 4 Research Committees
- 8 Technology Groups

» 2024

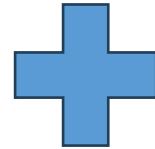
- 31 Conferences (21 in CY2025)
- 30 Divisions
- 0 Research Committees
- 7 Technology Groups

Future ASME Conference Portfolio (by FY27)

New Conference Products

ASME CORE Conferences Products

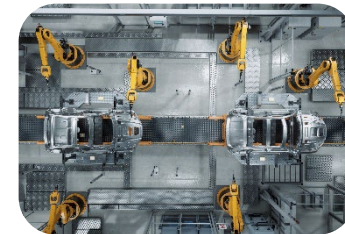
TURBO
IMECE
IPCC-E
OMAE
PVP
SBC
IDETC-CIE



Nuclear



Transportation



Manufacturing



Aerospace
Materials



Engineering
Principles



Sustainable
Energy



Middle East
Pipeline

Proposed TEC Consolidation – Existing Conferences



PVP+

- HyRRAC
- QNDE



IDETC-CIE

- ISFA
- FPMC

Proposed TEC Consolidation – New Conferences



Nuclear

- CARD
- ICEM
- ICONE
- Fusion Technology



Engineering Principles

- SHTC
- FEDSM
- ES (heat related topics)



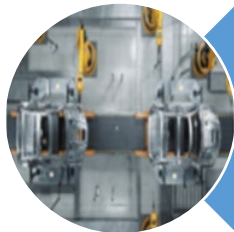
Transportation

- ICEF
- JRC



Aerospace Materials

- SMASIS
- SSDM



Manufacturing

- MSEC
- AMRGT
- IAMC
- InterPak



Sustainable Energy

- ES (Solar, AESD)
- IOWTC
- Power
- ACES
- Energy Storage (Concept)

TEC Consolidation Plan – New Divisions

Fusion Technology
Robotics
Space
Sustainable Energy

TEC Consolidation Plan

Sunset from Portfolio

Asset Integrity Management Conference

Bolted Joint Reliability Symposium

Environmental Systems Division

Gas Turbine Technology Group

Information Storage & Processing Systems (ISPS) Division

ISPS Conference

Materials & Energy Recovery Division

Materials Handling Engineering Division

Plant Engineering & Maintenance Division

Research Committee on Energy Environment & Waste

Robotics for Inspection & Maintenance

TEC Consolidation Plan

Future Focus

- » With the Conference consolidation well underway, TEC Council will begin focusing on:
 - Improving the health of our Division operations
 - Reimagining Technology Groups
 - Forming focus groups to manage the process of creating new Divisions

ASME SES Council (Section Engagement Sector)

UPDATE – FEBRUARY 2025



Overview

» Recent History

Section Operations has experienced remarkable growth and success over the past fiscal year, driven by our dedicated volunteers and strategic initiatives.

Our efforts to engage students, community volunteers, and leaders have yielded impressive results, demonstrating our commitment to fostering professional development and community service.

» Council Expansion

To better serve our expanding membership, we have added two new Member-at-Large positions to our council. Nominees are:

Bryan Lewis -- student-to-professional transition program

Erkan Oterkus -- growth of international sections



Membership Growth In FY 24 (tracking our SECTION discount code)

- **New Members:** 128 (256% increase from FY23)
- **Renewed Members:** 153 (212% increase from FY23)
- **Total Members:** 281 (231% increase from FY23)
- **New Students:** 770 (77% increase from FY23)
- **Renewed Students:** 201 (39% increase from FY23)
- **Total Students:** 971 (67% increase from FY23)
- **Grand Total:** 1,252 (88% increase from FY23)



Student Leader Weekends

- » 5 weekends
- » 438 registered students and advisors
- » Provided valuable resources for section leaders, opportunities for networking with practicing engineers, and the chance to participate in community service projects
- » Nearly 1,000 care kits were assembled for local charities, showcasing our commitment to giving back.



Hisashi Lonske (He/Him) • 1st
University of Rochester Mechanical Engi...
21m • 🌐

This past weekend I had the opportunity to attend the ASME's Student Leader Weekend in Philadelphia. It was a pleasure being able to connect with fellow ASME sectional leaders and I learned a great amount about the many resources ASME has available for our organization. I look forward to taking advantage of these resources to create experiences which will further connect my fellow engineers at the University of Rochester and I want to thank the talented staff of ASME for making this weekend possible.

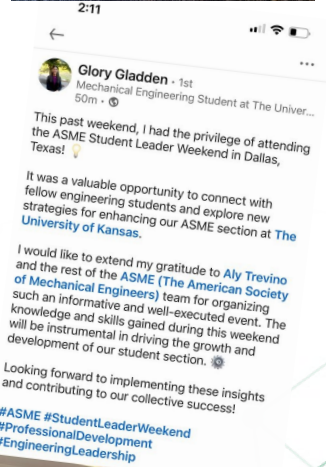


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Like Comment Repost Send



New Initiatives

- **One-Day Sessions:** We successfully piloted one-day sessions for small communities in Birmingham, Minneapolis, and Kennewick, with 49 students and advisors registered to attend. This initiative will be expanded to additional cities in the upcoming year.
- **Student Ambassador Program:** Launched this year, our Student Ambassador Program features 5 student ambassadors who coach and advise other student sections. They have been instrumental in presenting at SLWs and identifying additional resources needed for section leaders.
- **Section Spotlight:** Our sections are doing incredible events, and we now highlight a section each month on our website @ <https://sections.asme.org/section-spotlights>. Telling their story and sharing with other sections as an example of a great event encourages and recognizes our volunteers.



Increased Activities and Funding

- » Sections have dramatically increased their activities this year, with over a 10% increase.
- » Additionally, there has been an 80% increase in grant funds requested and awarded, including over 30 requests from student sections. This growth reflects the high demand and enthusiasm for local events and initiatives.
- » Since late 2022, we have been tracking volunteer hours in late 2022. In 2023 and 2024, volunteers donated over 6700 hours with a value of over \$224,000 (per IRS valuation tables).
- » We are pleased that we have recorded over 1600 hours to date and expect to exceed previous years.



In Summary

Our programs are making a tangible impact, fostering professional growth, community engagement, and leadership development. We are excited to build on this momentum and expand our reach even further in the coming year.



Includes Inspection Procedures for
Electric Traction and Winding Drum
Elevators, Hydraulic Elevators,
Inclined Elevators, and Escalators
and Moving Walks

Pipeline Personnel Qualification

ASME Code

ASME Y14.5-2009

[Revision of ASME Y14.5M-1994 (Z39.92)]

Dimensioning and Tolerancing

and Related
Practices

ASME Board of Governors Meeting February 11, 2025 Standards & Certification Sector

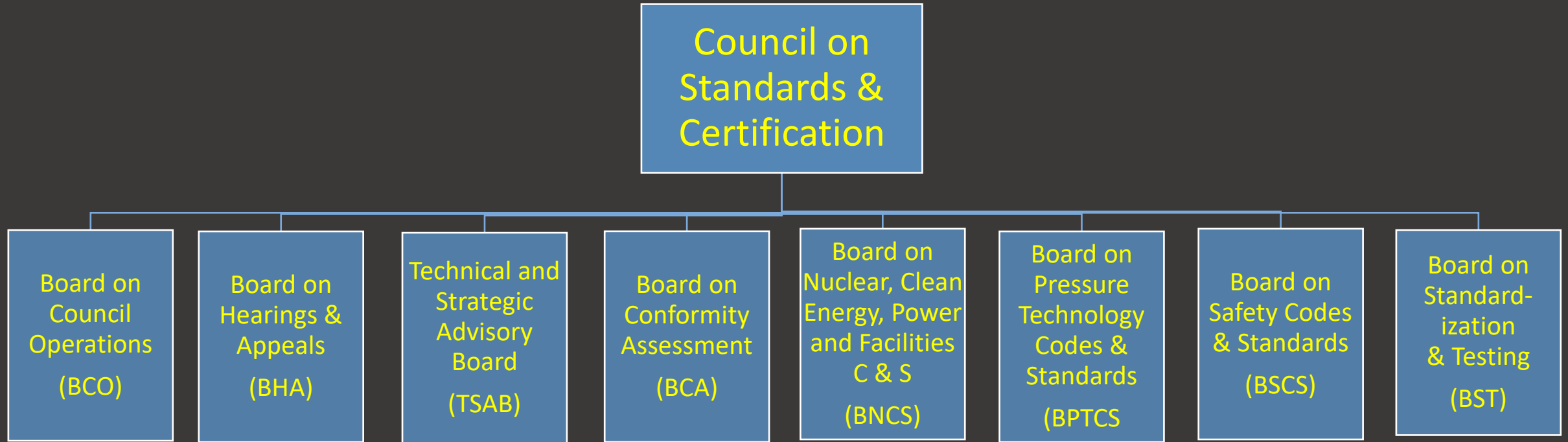
The Standards and Certification (S&C) Sector is responsible for the activities of the Society relating to Standards and Certification, including related conformity assessment programs, new code identification and development, and serving as a neutral convener on an international basis.

*Senior Vice President:
Thomas Vogan, P.E.*

S&C Council Membership

- Chair – Thomas Vogan
- Vice-chair – Robert McLaughlin
- Members at Large – 12
- Ex-officio Members – 7
- ASME Staff

S&C Organization



Standards & Certification Sector Demographics

- Standards Volunteer Membership – 6,216
 - 74% Domestic
 - 26% International
- Standards Development Groups – 874
- Standards Documents Published – 500 plus

- Conformity Assessment Volunteer Membership – 297
- Conformity Assessment Groups - 24
- Certification Applications – 624 - Increasing trend over FY2024
- New Company Certifications – 112 - Increased significantly over FY2024

S&C Sector: Top Accomplishments – CY 2024

- Revisions to 15 ASME standards were issued, including B31.1 – Power Piping and B31.3 – Process Piping
- A new OM 2 Code – Component Testing at Nuclear Facilities was issued that provides requirements for Small Modular Reactors and other advanced reactors
- First Quality Program for Suppliers (QPS) Certificate Issued – October 2024
- Partnership with NEI and EPRI in our second advanced reactors standards harmonization (ARCSC) workshop - November 30, 2024
- Collaboration with TEC Sector/Nuclear Engineering Division for the second Conference on Advanced Reactor Deployment (CARD) - March 2024
- Interim Revision 19a to the Codes & Standards Operating Procedures was approved (October 24, 2024). Revision 20 is in process.

S&C Sector: Top Accomplishments Continued

- BNCS scope expanded to include Nuclear, Clean Energy, Power and Facilities. Three Standards Committees moved from BST to BNCS
- Several standards publication cycles extended from 2 years to 5 years as a cost cutting and personnel efficiency measure
- Exploring the creation and staffing of a new Fusion Technology Division with the TEC Sector
- On track to issue the 2025 Edition of the ASME BPVC on July 1st, 2025
- Nominated new member at large (replacement) from the Nuclear Regulatory Commission
- Initiated nomination activities for selection of a new Senior Vice President for FY2027

Standards & Certification Challenges 2025 and Beyond

- Artificial Intelligence and its relationship to Standards and Certification businesses and products; the opportunities and threats associated with this technology.
- Exploring both physical and technological avenues to eliminate the use of traveling code books for certification activities. Plans are under development, including communications to AIAs and other stakeholders.
- IP Strategy – an IP Strategy is being developed that will help to defend the copyright of ASME's most well-known product categories and the suites of products within them, and to also ensure that these IP products can be used to diversify ASME's offerings.

Discussion



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 27, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Philanthropy Committee
Presented by:	Keith Roe, Chair, Philanthropy Committee and Stephanie Viola, Managing Director, Programs & Philanthropy
Agenda Title:	ASME Foundation Campaign Update

Agenda Item Executive Summary:

In the waning months of the initial five-year period of the Campaign for Next Generation Engineers, ASME Programs and Philanthropy—now consolidated into a unified Business Unit—reviews key achievements of the past five years, identifies significant learnings and market insights, and outlines its strategy going forward.

Although not limited to these, the three core strategies include (1) *local transformations*, where we offer corporate funders and academic institutions a menu of program options tailored to the communities where they operate; (2) *workforce development*, where we advance programs to attract, train, and employ technical talent in partnership with government and corporate funders; and (3) *sustainable innovation*, expanding our Engineering Sustainable Development programs to address the most urgent engineering challenges of our time.

The Campaign for Next Generation Engineers evolves from an initial five-year capital campaign to an ongoing fundraising platform positioned to scale ASME's philanthropic impact and influence for years to come.

Proposed motion for BOG Action:

None

Attachment(s):

PowerPoint Presentation

*The American Society of
Mechanical Engineers*®
ASME®

ASME
FOUNDATION

Board of Governors FY25 Strategic Highlights

February 2025

In 2020,

the Board of Governors made the important decision to relaunch ASME Philanthropy to inspire and enable diverse talent in engineering and advance sustainable global development.

A New Generation of Engineers
Building a Sustainable World

Engineering a better world requires that we leave no brilliant talent behind.

Through groundbreaking education, early career, and innovation programs, the ASME Foundation supports promising young people— especially women and those from underrepresented groups—to advance engineering for the benefit of humanity.

We inspire and launch careers that will create a sustainable future for everyone.

Key Achievements in

ASME Philanthropy (2020-2025)

Despite a global pandemic, launched an ambitious five-year capital campaign

Grew to 12-person team including specialists in individual, corporate, and government outreach

Established ongoing relationships with individual and marquee corporate donors

Created two successful annual fundraising events—*Optimism Engineered* and *Reinventing the Future*—with a robust calendar of other regional events

Consolidated the Programs and Philanthropy departments effecting new synergies and responsiveness to market needs

Launched and mobilized ASME Foundation India (AFI) with local strategic mandates

Expanded Foundation stakeholders to include previously underrepresented communities

ASME Philanthropy has raised \$24.5M to date (Q2/FY25) for the Campaign for Next Generation Engineers.

Impact Highlights of ASME Programs

SCHOLARSHIPS

Since 2020, we've awarded over \$2.5 million to 565 recipients, 56% from underrepresented groups

ASME's K-12 PROGRAM

To date, reached over half a million students; now adding summer initiatives and international sessions

WORKFORCE DEVELOPMENT

The CCEP program has expanded to over 30+ community colleges. In 2024 we launched a \$4 million Department of Labor-funded apprenticeship program

FEDERAL FELLOWS

Increased applications by reframing Federal Fellows program to invite a wider and more senior/specialized pool of applicants

PARTNERSHIPS

Leveraged corporate partnerships, i.e. Autodesk's funding *Future of Manufacturing* report; *Ocean Clean Up Challenge*, and new manufacturing curriculum

SUSTAINABILITY

Supported 231 ISHOW finalists with over \$1.2 million in seed capital addressing 17 of the UN SDGs in 36 countries

In 2025 and beyond,

we will continue to nurture the most promising diverse talent to engineer a more sustainable future for everyone.

Building on the momentum from five successful years, we will expand programs, scale our impact, and drive meaningful change.

This is ASME's

Campaign for Next Generation Engineers 2.0

Vision & Goals

Campaign for Next Generation Engineers 2.0 (2025-2030)

Scale ASME programs to double the number of diverse students and early-career engineers reached annually

Expand ASME Programs' reach and influence on a global stage, with a key focus on strengthening ASME Foundation India (AFI)

Increase capacity to meet annual fundraising targets by cultivating more corporate, government, and institutional donors

Impact the culture of engineering to include sustainability as a core standard of engineering excellence

Build the reputation of the ASME Foundation, locally and nationally, to be the go-to resource on technical workforce development

Consolidate programs portfolio for even greater and more measurable impact



A New **Engineering Landscape**

Key Market Insights

Corporations are interested in developing their own **local communities** first.

There is an exciting renaissance of US **manufacturing and technical innovation.**

As federal policy deprioritizes **sustainability**, ASME continues to be its champion, as will significant private investment sources.

Guiding Strategies for the

Campaign for Next Generation Engineers 2.0

LOCAL TRANSFORMATIONS

The ASME Foundation is uniquely able to assess local skills gaps and provide a targeted menu of programs to fulfill those needs.

WORKFORCE DEVELOPMENT

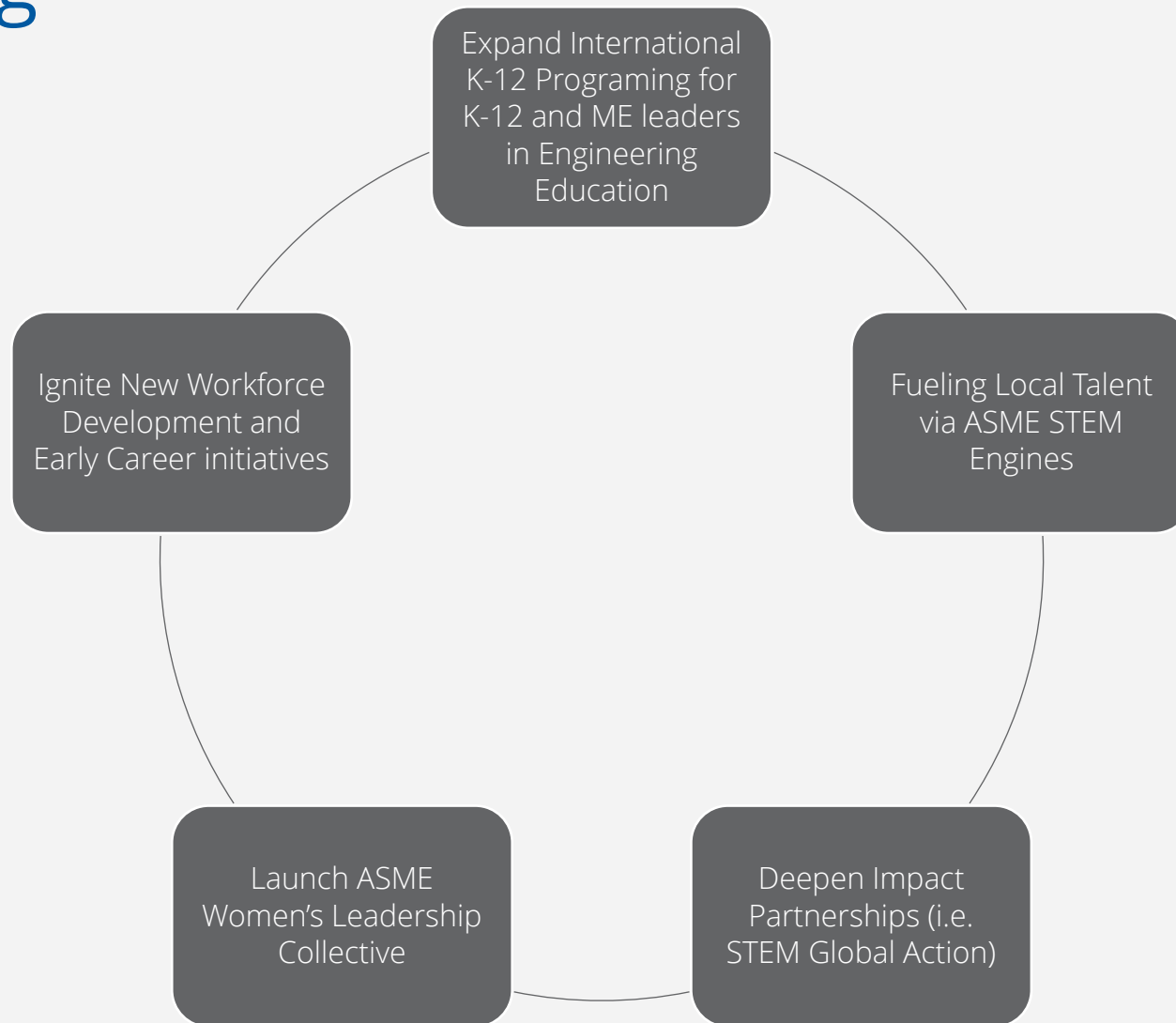
Public and private funders are ready to invest in efficacious technical education programs to nurture new talent.

The ASME Foundation will accelerate outreach to win large-scale government and foundation grants.

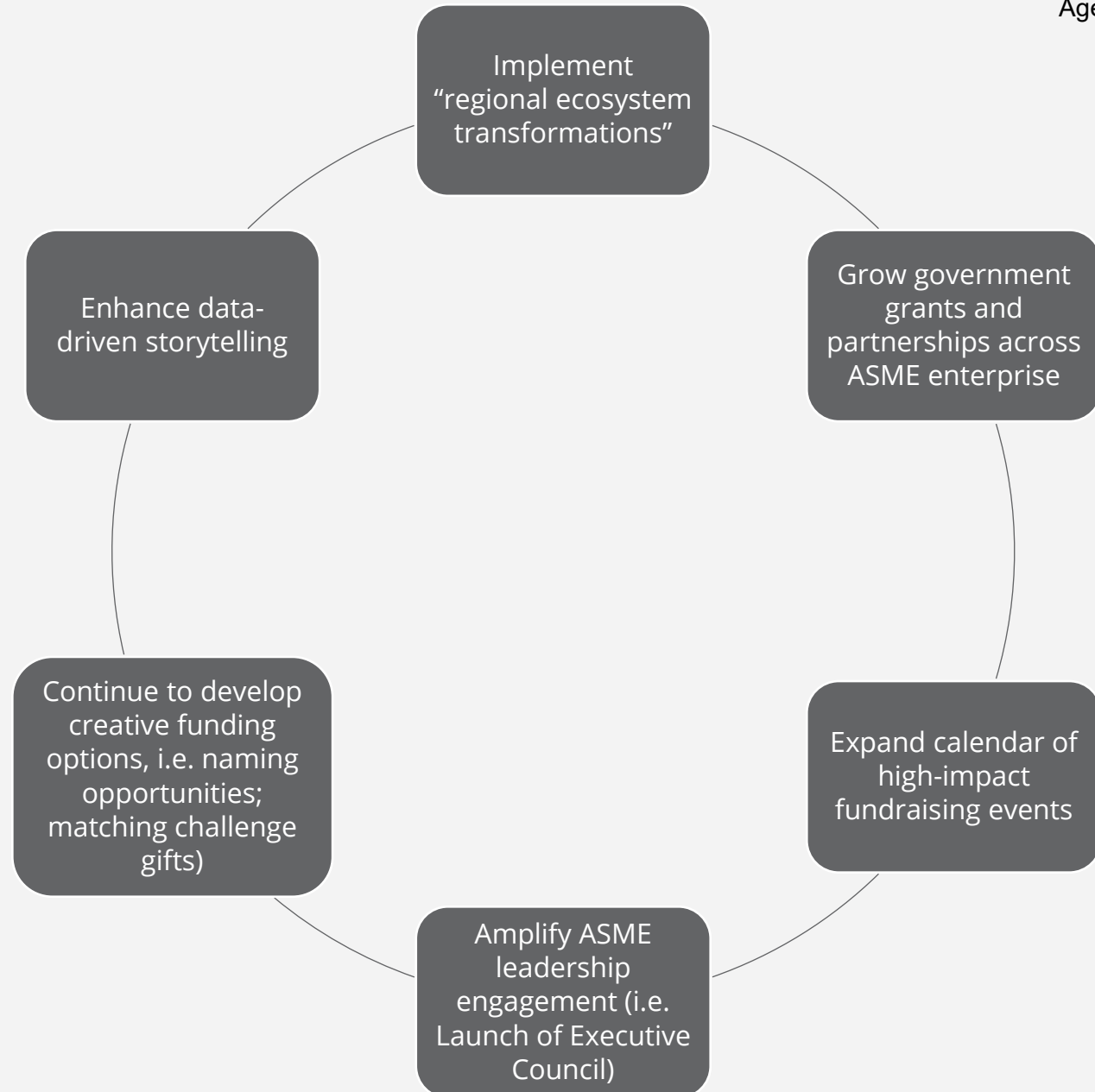
SUSTAINABLE INNOVATION

The Foundation will continue to promote sustainability as a core pillar of our mission and thematically in all our programs.

Innovations in Programming (2025-2030)



Innovations in Fundraising (2025-2030)



The Importance of The ASME Foundation

Positions ASME as modern, forward-looking, and a leader in changing the culture of engineering

Builds a new generation of the most diverse, best trained engineers ready to innovate a sustainable world for everyone

Addresses two of the most galvanizing issues of the day—equity and sustainability

Supports ASME's strategic priorities as a purpose-driven organization

Instills pride in member/staff/leader affiliation with ASME

Inspires a new generation of ASME members

Leadership ASK

The most powerful path to fundraising is a personal introduction—a peer-to-peer relationship that opens doors.

Beyond your generous personal contributions, this is where we continue to need your help.

Thank you for your *leadership.*

The ASME Foundation
Empowering Next Generation Engineers

The American Society of Mechanical Engineers®
ASME®

ASME
FOUNDATION

CAMPAIGN FOR
NEXT
GENERATION
ENGINEERS
WHO TRANSFORM THE WORLD

ASME Foundation

Two Park Avenue, 20th Floor
New York, NY 10016-5990

ASME Foundation Washington Center

1828 L St. N.W.
Suite 510
Washington, DC 20036-5104



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 14, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Alexander Marrero Laureano, Chair, ECLIPSE Committee
Presented by:	Alexander Marrero Laureano
Agenda Title:	ECLIPSE Report

An update on the ECLIPSE program will be provided.

Proposed motion for BOG Action:
None

Attachment(s):
PowerPoint

ECLIPSE EARLY CAREER LEADERSHIP PROGRAM UPDATES



AGENDA

ECLIPSE History

ECLIPSE Committee & Alumni Group

Program Challenges

Reimagining the ECLIPSE Program

Application & Selection Process

Positive Indicators

ECLIPSE 2024-25 Group Project Preview

ECLIPSE History

- ECLIPSE Program created in 2006 as successor to the Leadership Development Initiative and the Minority Leadership Program
- 250+ participants since 1992 across all 3 programs
- A large portion of ECLIPSE, LDI, and MLP alumni continue as active volunteers in ASME, including current and former Governors, Senior Vice Presidents, other senior volunteers

ECLIPSE Committee & Alumni Group

ECLIPSE Committee

- Responsible for outreach and selection of ECLIPSE engineers
- Provides support to participants throughout the program
- Collaborates with ASME leadership to align the group project with a real-world challenge or priority identified by ASME executives

ECLIPSE Alumni Group

- Highlights pathways for ongoing ASME engagement and volunteerism
- Provides peer mentoring from ECLIPSE alumni to help program participants transition to other ASME roles
- Encourages graduates to be active in the ECLIPSE Alumni Group



Program Challenges

- **Recruitment:** Connecting with and attracting enough qualified applicants
- **Program Experience:** Ensuring consistency for participants
- **Mentorship:** Inconsistent across units
- **Transition:** Finding roles in ASME after completing the program can be challenging, particularly for participants outside the U.S.

Reimagining the ECLIPSE Program

- Holistic approach to ECLIPSE:
 - Identifying prospective members early
 - Preparing them to participate in ECLIPSE
 - Creating a consistent experience for all during the program
 - Offboarding and transitioning to future ASME roles
- Mentor Onboarding:
 - For FY26, we will add onboarding and more resources for mentors
- Updated Terminology
 - Participants are no longer called Interns
 - The program will still be called ECLIPSE, but the acronym will no longer be spelled out

Application & Selection

New Application Process

- Initial applications are submitted via the community Engagement Center
- After applying on the CEC, applicants are sent a checklist that outlines all required documents to submit a complete application, including a letter of reference from an ASME member
- Completed applications due February 21

Selection & Placement Process

- Applications reviewed by the ECLIPSE Committee using a rubric to evaluate candidates
- Top candidates shared with unit leadership for selection and placement
- Placement takes applicant and unit preferences into account
- Mentors assigned by unit after placements are finalized

Positive Indicators

- Increased applicant numbers via CEC
- Exit interviews and peer mentoring for outgoing participants implemented in 2024, increasing opportunities for feedback
- Interest from units that have not previously hosted ECLIPSE

ECLIPSE 2024-25 Group Project Preview

Topic: Understanding trends and strategies to boost ASME membership

Summary:

This project will examine global trends, generational shifts, and member motivations in professional associations. It will include insights from interviews with early career engineers around the globe, analyze economic and generational challenges, and offer key takeaways to support future growth.

Questions?





Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 14, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Anand Sethupathy, Chief Strategy Officer
Presented by:	Anand Sethupathy
Agenda Title:	2024 BOG Planning Meeting Update

Agenda Item Executive Summary:

A brief overview will be provided regarding the subsequent work after the 2024 BOG Planning meeting along with a brief preview of the BOG Planning Meeting scheduled for July 2025.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint

Board of Governors Planning Meeting

Progress since 2024 and planning for 2025

Developed By: Anand Sethupathy, Chief Strategy Officer, ASME

Date: February 11, 2025

2024 BoG Planning Meeting Agenda

After the onboarding, the following strategic topics were covered during the 2024 BoG planning meeting.

Day	Topic	Day	Topic
Wednesday, July 10	Scenario Planning & Breakouts <ul style="list-style-type: none"> - Purpose Driven Organization - Sustainability - Pervasive Data & Computing (AI) 	Thursday, July 11	Global Perspectives <ul style="list-style-type: none"> - ASME’s International Footprint - ASME in Europe - E4C in Europe
Wednesday, July 10	ME 2024 Study – Deep Dive & Breakouts <ul style="list-style-type: none"> - Practicing Engineers - Academics - Students 	Friday, July 12	Sustainability Activity & Discussion
Thursday, July 11	Gartner: Megatrends (Shifting Demographics, Conscious Consumerism, Democratization of Gen AI)	Friday, July 12	Reflections & Wrap Up
Thursday, July 11	Megatrends Breakouts & Discussion <ul style="list-style-type: none"> - Shifting Demographics - Conscious Consumerism - Democratization of Gen AI 		

Progress Since the 2024 Meeting

Considerable progress is being made across ASME on the areas of focus identified during the BoG planning meeting.

Purpose Driven

- Continued commitment to DEI; Historic balance on Boards
- ASME secures 4-year DOL grant for apprenticeship program
- Scenario planning for new administration

Sustainability

- Continued CoS development and strategy for ecosystem engagement
- TEC Transformation enabling strategic alignment and growth
- Flagship sustainability conference and India-specific strategy

Artificial Intelligence

- Enabling AI Policies under development
- AI infrastructure
- Evaluating AI opportunities

International

- Europe business and scenario planning in progress
- IMECE India 2025 announced and 1,000+ abstracts submitted
- Scenario planning for new administration

Feedback from 2024 Meeting

The following feedback was collected from the reflection session and notecards at the end of the 2024 BoG planning meeting.

- Overall, most attendees liked the format and the general content
- Include more time for breakouts and more breakouts overall
- Enjoyed being International
- Enjoyed having consultants and an external perspective
- Improve timing, some speakers got cut off
- Include more time for large group discussion after the breakouts
- Valuable opportunity to learn more about ASME and ASME's operating environment
- Valuable opportunity to get to know other colleagues better in both the formal and informal settings
- Appreciated the half day format spread over more days
- Suggestion to have more focus on DEI
- Suggestion to send out the decks and breakout questions in advance as pre-reads so more time can be focused on conversations
- Curate the breakout groups more so each member is with different people each time and so that each member gets diverse topical experiences through the breakouts

2025 BoG Planning **DRAFT** Meeting Topics

Listed below are draft topics under consideration for the 2025 BoG Planning meeting.

Day	Topic
Monday, July 14	<ul style="list-style-type: none">▪ ASME Technology Roadmap – Update▪ Emerging AI Technologies – Demo of New Capabilities in the Market▪ AI, Data, and IP Strategies
Tuesday, July 15	<ul style="list-style-type: none">▪ Shifting Policy Landscape & Impacts on ASME▪ DEI – Path Forward▪ Sustainability – Emerging Landscape
Wednesday, July 16	<ul style="list-style-type: none">▪ Customer Experience (CX)▪ Driving ASME towards Customer Obsession▪ Wrap Up & Reflections



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	January 21, 2025
BOG Meeting Date:	February 11, 2025
To:	Board of Governors
From:	Board of Governors
Presented by:	Sean Bradshaw, Chair, Committee on Sustainability
Agenda Title:	Committee on Sustainability - Report

Agenda Item Executive Summary:

Sean Bradshaw, Chair, Committee on Sustainability (CoS), will provide a progress report on the ASME Climate Strategy implementation plan and future state for ASME Sustainability governance.

Proposed motion for BOG Action:

None

Attachment(s): PowerPoint presentation

ASME - Climate Action Briefing: Committee on Sustainability

Board of Governors Meeting
February 11, 2025

Climate Action Strategy: Progress Report

ASME's Approach to Sustainability

CoS is taking a holistic approach to sustainability, developing roadmaps for the 4 climate action pillars, defining ASME's ecosystem engagement strategy and adapting to evolving domestic priorities.

ASME's Approach to Sustainability aims to:

Advance engineering and technology by integrating social, environmental, economic, and regulatory considerations, enabling engineers to accelerate climate action, facilitating policy discussions and academic research, upskilling engineering workforce, and aligning ASME's strategy with IPCC's goals to limit global warming to 1.5°C and the UN Sustainable Development Goals (SDGs).

ASME Strategic Climate Pillars

Clean and Affordable Energy
(ex. Hydrogen, SMRs)

Clean and Efficient Operations
(Industry and ASME)

Upskilling the Future of the
Workforce

Sustainable Factories,
Sustainable Manufacturing and
Hard to Decarbonize Industries

Deepening ASME sector engagement with the climate strategy in alignment with the climate pillars.

Considering **future governance models** to embed sustainability across the Society.


Established sub-committees to co-design detailed strategic frameworks that will guide ASME's product and programs portfolio.

ASME Strategic Climate Pillars Kicked off!

Clean & Affordable Energy 

Clean & Efficient Operations 

Upskilling the future of the workforce

Sustainable Factories &
Manufacturing &
Hard to Decarbonize Industries 

Sub-Committee Membership

- Deepa Poduval, Black & Veatch
- Craig Hart, US Dept of Commerce
- Twish Mehta, Loblaws
- Bob Hauck, GE Healthcare (retired)
- Francesco D'Amore, University of Southampton
- Asha Balakrishnan, Science & Tech Policy Institute
- Cristina Contreras, Sinfranova
- Alain Lefevre, Schneider
- Ryan Macpherson, Autodesk
- Raul Montano, Hitachi Energy
- Heloisa Schmidt, Bechtel
- Thomas Wenning, Oak Ridge National Lab
- Marco Brunelli, Siemens Energy
- Cynthia Thomson, Terra.do
- JFFLabs (nominee pending)
- Janelle Heslop, NASA
- Brandon Riney, Honeywell

Sector Spotlight: Technical & Engineering Communities

Numerous engagements with technical divisions and TEC Council related to opportunities to collaborate in alignment with the strategic climate action pillars and cross-cutting issues

Clean and Affordable Energy:

- Exploring joint programming at a flagship ASME sustainability conference (in development).
- Interest from Heat Transfer, Solar and Advanced Energy Systems Divisions

Upskilling Workforce & Sustainable Manufacturing:

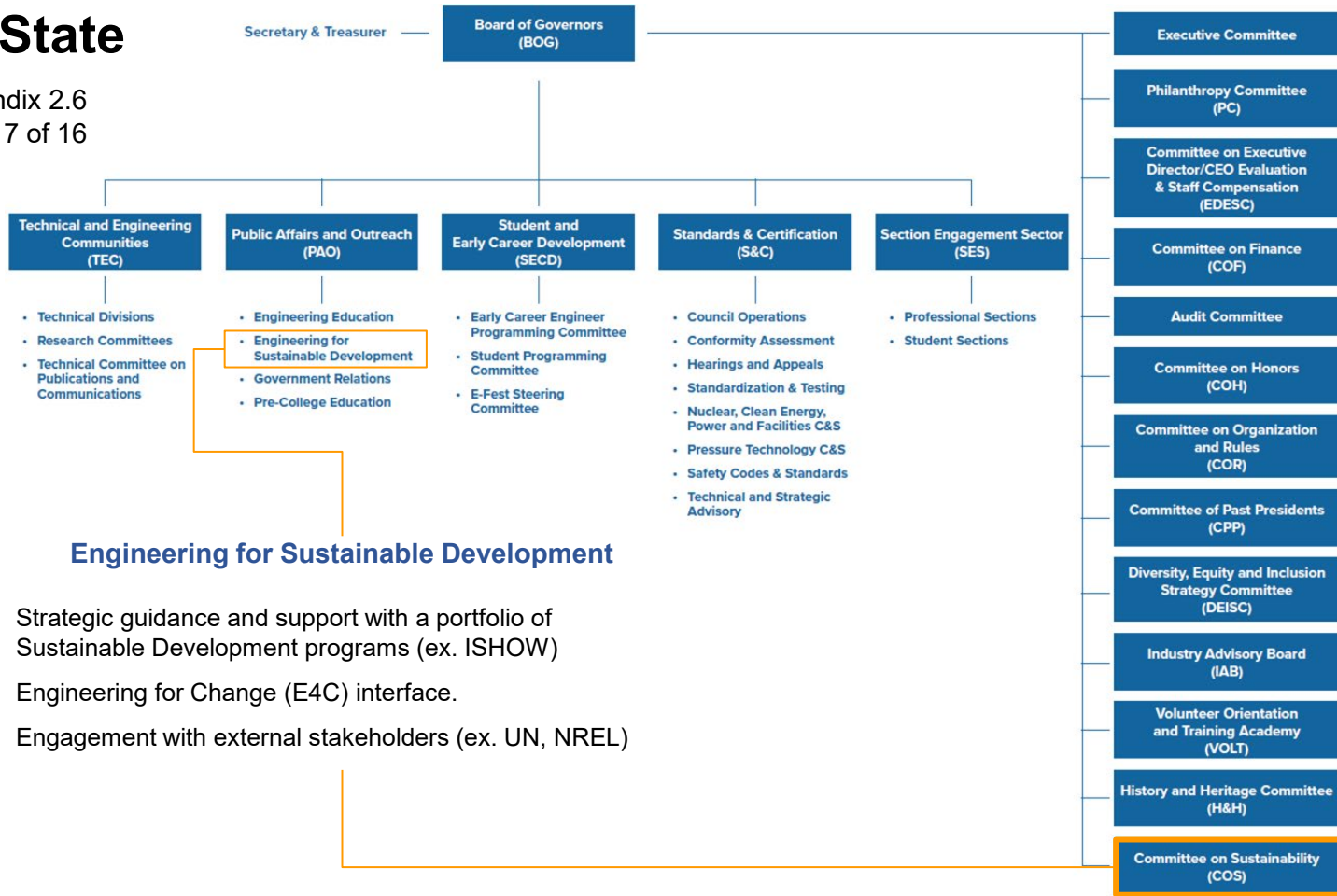
- ASME L&D Developing Design for Sustainability micro-credential program
- Engaging with Manufacturing Division and Design Engineering Division Technical Committee: [Design for Manufacturing and the Life Cycle \(DFMLC\)](#).
- Exploring joint programming at a flagship ASME sustainability conference (in development)

Climate Risk:

- Sustainability metrics/reporting increasingly includes climate risk assessment.
- Engaged Safety Engineering and Risk Analysis Division (SERAD) in whiteboarding initiatives

Future State

Agenda Appendix 2.6
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Engineering for Sustainable Development

Strategic guidance and support with a portfolio of Sustainable Development programs (ex. ISHOW)

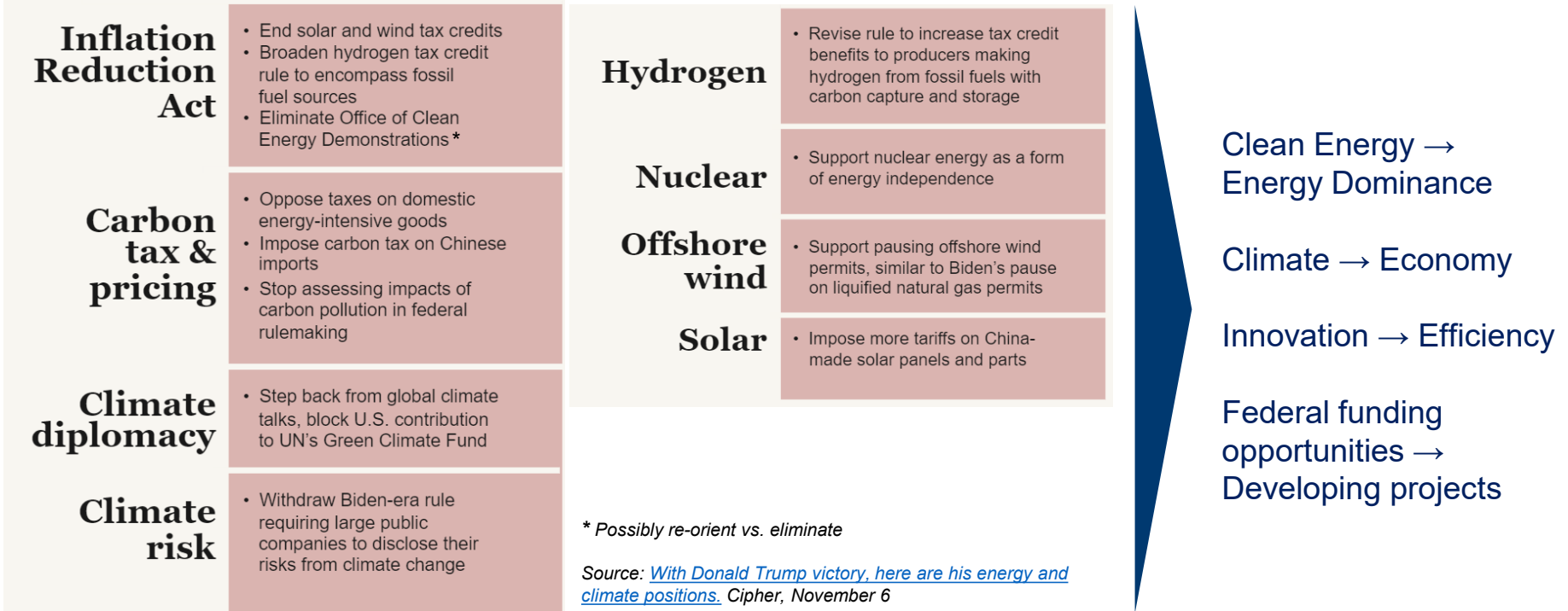
Engineering for Change (E4C) interface.

Engagement with external stakeholders (ex. UN, NREL)

Federal Landscape Shifts & Implications

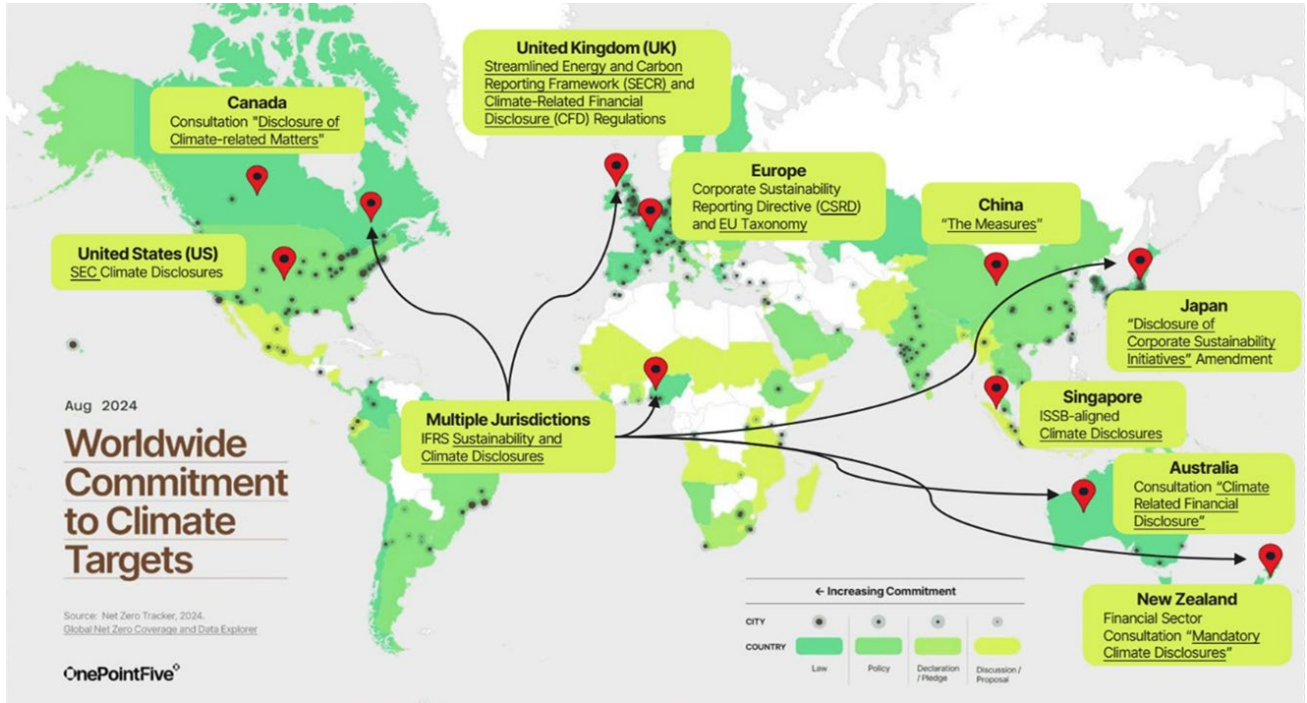
Federal Landscape Shifts

Expected sustainability implications. Monitoring reports and administrative appointments. Engaging with aligned networks, industry partners and volunteer leadership to define approaches in a new political landscape.



Sustainability is a marathon, not a sprint

ASME is committed to a non-partisan approach to driving the sustainability agenda. Change in regional political leadership will not dismantle what is now an interconnected, global system.





Ecosystem Engagement & Coalition Building

Ecosystem Engagements

Contributed expertise at NYC Climate Week and COP29. Connected with stakeholders, grew brand awareness, strengthened relationships and elevated the pressing need for clean energy and a skilled STEM climate workforce.

NYCW: ASME CoS Member - Cristina Contreras - with OnePointFive, LinkedIn & Amber Infrastructure



COP29 side event:
Clean Energy Solutions for Hard-to-abate sectors



Organized by European Nuclear Society, Generation Atomic, American Nuclear Society & Voices for Nuclear.

Engagement by ASME IAB member - Neil Wilmshurst

ANSI World Standards Week (November 2024) Explored how industry, SDOs, consortia, governments, academia and civil society can work together to support greater sustainability worldwide. ASME staff facilitated the networking event and engaged in the conference.

Networking Event: Connections for Sustainability

Conference: Standards and Sustainability: Shaping the Future

Themes:

Standards and Regulations Across Borders,
Navigating the Future: Sustainability and ESG in Focus
Closing the Loop: Pioneering Approaches to Circularity

Attendees: Representatives from industry, government, standards developing organizations, civil society, and consumer groups

Noteworthy:

- Advanced sustainability portfolios showcased by ISO, UL, ASHRAE, ASCE, Solar Energy Industries Association & TIC Council
- Transition from voluntary reporting to mandates across global jurisdictions will not be reversed by changes in regional leadership.
- Harmonization of reporting frameworks and adoption of standards will ensure a resilient system
- There is increase in private sector action related to sustainability and a need for technical standards combined with conformity assessment to deliver substance.

Deepening Industry Engagement

Aiming to collect market insights, build audience, cultivate partners, pilot new programming approaches, demonstrate thought leadership and grow brand awareness. Collaboration with Informa Markets.

ASME Delegation: John Grimes, Dave Bradfield, Chris Cantrell, Iana Aranda, Pepi Maksimovic (IAB CoS Liaison)

Sustainable Manufacturing Expo

Anaheim, California, February 4-5, 2025

SPEAKERS



Christopher Cantrell

Senior Managing Director,
Standards and Engineering Services
at ASME (The American Society of
Mechanical Engineers)

ROLE: SPEAKER



Pepi Maksimovic

Distinguished Engineer,
Sustainability at Ansys

ROLE: SPEAKER

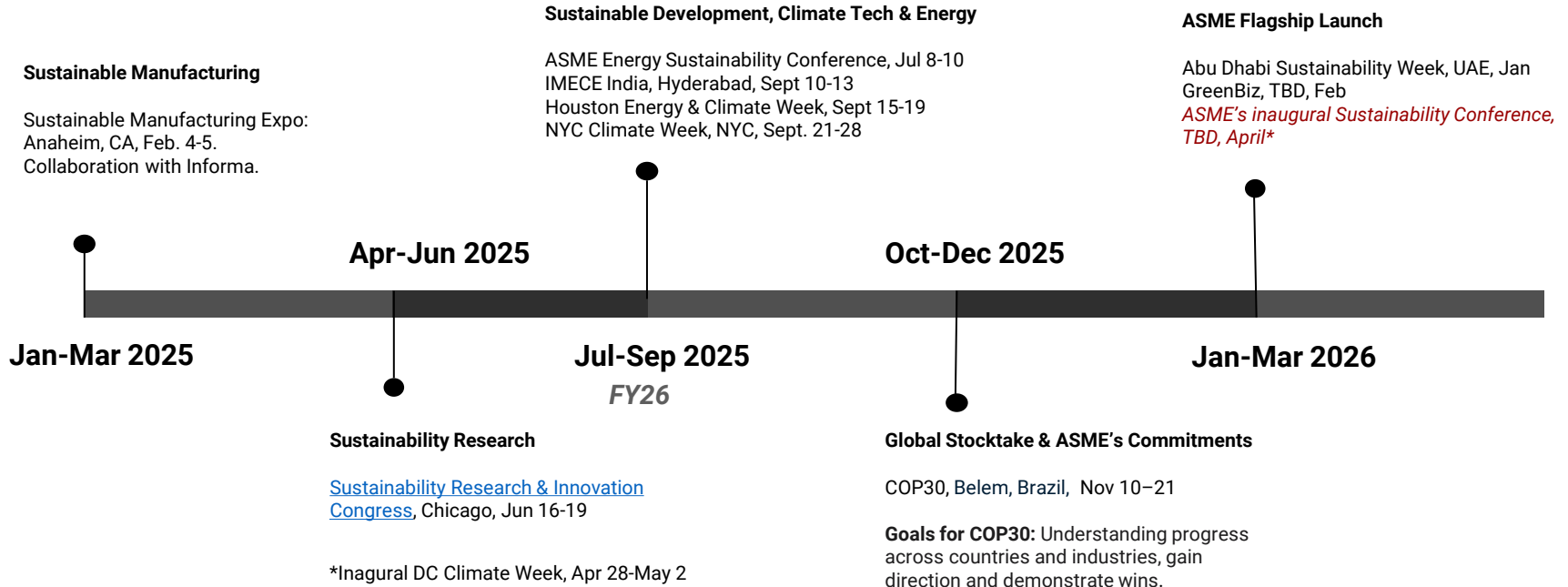
- ASME / Informa Sustainability Lounge with startup *Recyletek* showcasing AI powered deposit return systems & technology
- Pre-event webinar featuring ISHOW Alumni - BURN
- Podcast on Workforce enabling Sustainable Manufacturing
- Fireside chat on *Advancing Sustainable Manufacturing Through Digital Innovation and Standards*
- Roundtables on Circular Economy Practices and Energy Efficiency Management
- Registration Code for ASME members to register for free.



By ASME

The Year Ahead

ASME engagements leading up to and following COP30. Aiming to gain insight, build momentum on strategic initiatives, raise awareness and acquire audience for ASME's flagship event.



Thank you for your time!



Questions?

Stay up to date on ASME's Sustainability Related Programs, Academic Research, Media, Events and Committees

asme.org/about-asme/sustainability

Co-hosting joint NY Climate Week event with Indiaspora at ASME HQ