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**DRAFT AGENDA – OPEN SESSION
2020 – 2021 BOARD OF GOVERNORS
MEETING**

Monday, June 14, 2021 – 1:00 pm to 2:50 pm (EDT)

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

- 1.1. Call to Order
Bryan Erler
- 1.2. Adoption of the Agenda ACTION
- 1.3. President’s Remarks (10 minutes) INFORMATION
Bryan Erler
- 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 items the Board is asked to take action 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 be removed from the agenda.

- 1.5.1. Approval of Minutes from April 14, 2021 Meeting
- 1.5.2. Proposed Appointments
- 1.5.3. By-Law Amendments – Changes to EDESC B5.2, Second Reading

2. Open Session Agenda Items

- 2.1. FY21 Financial Report (10 minutes) INFORMATION
Bill Garofalo
- 2.2. Social Return on Investment Update (20 minutes) INFORMATION
Anand Sethupathy
- 2.3. Board Liaison Report (5 minutes) INFORMATION
Mike Molnar – Committee on Honors
- 2.4. Volunteer Satisfaction Survey (30 minutes) INFORMATION
Jeff Patterson
- 2.5. Comments from Outgoing Board Members, Senior Vice Presidents and ECLIPSE Intern (15 minutes) INFORMATION
Joe Fowler, Mike Molnar, Karen Ohland, Kalan Guiley, Callie Tourigny and Jacquelyne Tan

- 2.6. Reflections on the Past Year (10 minutes)
 Bryan Erler

INFORMATION

3. New Business

4. Open Session Information Items

- 4.1 Approved Society Awards Listing
- 4.2 CY 2020 Fellows Listing
- 4.3 Unit/Committee Report(s)
 - 4.3.1 Auxiliary
 - 4.3.2 Committee of Past Presidents (CPP)
 - 4.3.3 Committee on Honors (COH)
 - 4.3.4 VOLT Academy
 - 4.3.5 Diversity, Equity and Inclusion Strategy Committee (DEISC)
 - 4.3.6 Industry Advisory Board (IAB)
 - 4.3.7 Philanthropy Committee
 - 4.3.8 Committee on Organization and Rules (COR)
 - 4.3.9 Technical and Engineering Communities (TEC)
 - 4.3.10 Member Development and Engagement Sector (MDE)
 - 4.3.11 Student and Early Career Development Sector (SECD)
 - 4.3.12 Public Affairs and Outreach Sector (PA&O)
 - 4.3.13 Standards and Certification Sector (S&C)
- 4.4 Dates of Future Meetings

DATE	DAY	TIME	LOCATION
June 15, 2021*	Tuesday	1:00 pm – 4:00 pm	Zoom Conference Call
July 12-13, 2021 Planning Meeting*	Monday-Tuesday	10:00 am – 4:00 pm	Zoom Conference Call
October 6, 2021*	Wednesday	1:00 pm – 4:00 pm	Zoom Conference Call

*2021-2022 Board of Governors

5. Adjournment of Open Session

List of Appendices

- 1.5.2 Proposed Appointments
- 1.5.3 By-Law Amendments – Changes to EDESC B5.2, Second Reading
- 2.2 Social Return on Investment Update
- 2.3 Board Liaison Report – COH
- 2.4 Volunteer Satisfaction Survey
- 4.1 Approved Society Awards Listing
- 4.2 CY 2019 Fellows Listing
- 4.3. Unit/Committee Report(s)
 - 4.3.1. Auxiliary
 - 4.3.2. Committee of Past Presidents (CPP)
 - 4.3.3. Committee on Honors (COH)
 - 4.3.4. VOLT Academy

- 4.3.5. Diversity, Equity and Inclusion Strategy Committee (DEISC)
- 4.3.6. Industry Advisory Board (IAB)
- 4.3.7. Philanthropy Committee
- 4.3.8. Committee on Organization and Rules (COR)
- 4.3.9. Technical Events and Content (TEC)
- 4.3.10. Member Development and Engagement Sector (MDE)
- 4.3.11. Student and Early Career Development Sector (SECD)
- 4.3.12. Public Affairs and Outreach Sector (PA&O)
- 4.3.13. Standards and Certification Sector (S&C)

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

**Date Submitted: May 20, 2021
BOG Meeting Date: June 14, 2021**

**To: Board of Governors
From: Committee on Organization and Rules
Presented by: C. Wesley Rowley
Agenda Title: Proposed Appointments**

Agenda Item Executive Summary:

Proposed appointments reviewed by the COR on May 14, 2021.

Proposed motion for BOG Action:

To approve the attached appointments.

Attachments: Document attached.

JUNE 2021 PROPOSED APPOINTMENTS TO ASME UNITS

Internal Unit	Nominee	Appointment Position/Title	Appointment Term/Category	Appointment Type	History
Member Development and Engagement Council	Gemma Iruegas	Member-at-Large	July 2021 – June 2022	Initial	Nominating Committee Mexico Section Chair
Member Development and Engagement Council	Ying Feng Pang	Member-at-Large	July 2021 – June 2022	Initial	Santa Clara Valley Section Chair Design, Material and Manufacturing Segment
Public Affairs and Outreach Council	Kevin Cuddy	Member-at-Large	July 2021 – June 2022	Re-Appointment	Public Affairs and Outreach Council
Standards and Certification Council	Craig Hart	Member-at-Large	July 2021– June 2024	Initial	Standards and Certification Task Force on China
Standards and Certification Council	Curtis Richardson	Member-at-Large	July 2021 – June 2024	Re-Appointment	Board on Hearings and Appeals Board on Strategic Initiatives
Standards and Certification Council	Robert Stakenborghs	Member-at-Large	July 2021 – June 2024	Initial	Standards Cte. on Mobile Unmanned Systems Chair
Standards and Certification Council	Tina Toburen	Member-at-Large	July 2021 – June 2024	Re-Appointment	Board on Standardization and Testing
Student and Early Career Development Council	Nicole Salloum	Member-at-Large	July 2021 – June 2022	Re-Appointment	SECD Council Student Leadership Training Committee
Student and Early Career Development Council	Stacey Swisher Harnetty	Member-at-Large	July 2021 – June 2022	Initial	Board of Governors Strategic Management Sector SVP
Student and Early Career Development Council	Arya Vyavahare	Member-at-Large	July 2021 – June 2022	Initial	Chair, Vice Chair, Secretary Cummins College of Engineering for Women ASME Section
Diversity, Equity and Inclusion Committee	Leslie Phinney	Member-at-Large	July 2021 – June 2024	Initial	Johnson & Johnson Award Cte. Congress Steering Committee
Committee on Honors	Desmond Chan	Member-at-Large	July 2021 – June 2024	Initial	Industry Advisory Board Gantt Award Committee
Committee on Organization and Rules	Said Jahanmir	Member-at-Large	July 2021 – June 2024	Initial	ASME President 2018-19 Board of Governors
Committee on Organization and Rules	Thomas Vogan	Member-at-Large	July 2021 – June 2024	Initial	Chair, Nominating Committee Board on Nuclear Codes & Stds.

JUNE 2021 PROPOSED APPOINTMENTS TO ASME UNITS, CONTINUED

VOLT Academy Executive Committee	Brandon Graham	Member-at-Large	July 2021 – June 2024	Initial	Vice Chair Philadelphia Section General Awards Committee
VOLT Academy Executive Committee	Mary Lynn Reaff	Member-at-Large	July 2021 – June 2024	Initial	Board of Governors Board for Leadership and Diversity Vice President
VOLT Academy Executive Committee	Callie Tourigny	Member-at-Large	July 2021 – June 2024	Initial	Senior VP, SECD Sector PAO Council
VOLT Academy Executive Committee	Merya Zogheib	Member-at-Large	July 2021 – June 2024	Initial	Community Development Cte. Student Section Enterprise Cte.

JUNE 2021 PROPOSED APPOINTMENT TO EXTERNAL ORGANIZATION

External Unit	Nominee	Appointment Position/Title	Appointment Term/Category	Appointment Type	History
Offshore Technology Conference Board of Directors	Doreen Chin	ASME Representative	July 2021 – June 2024	Re-Appointment	Petroleum Division Executive Committee



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

Date Submitted:	May 25, 2021
BOG Meeting Date:	June 14, 2021
To:	Board of Governors
From:	Committee on Organization and Rules
Presented by:	C. Wesley Rowley
Agenda Title:	By-Law Amendment – EDESC B5.2, Second Reading

Agenda Item Executive Summary:

Changes are being made related to the Executive Director Evaluation and Staff Compensation Committee.

The new title of the Committee, Executive Director/CEO Evaluation and Staff Compensation Committee reflects the title now being used for the Executive Director/CEO.

The change in Committee responsibilities reflects the EDESC should be responsible for ASME compensation, benefit, and bonus plans. Day-to-day operational staffing, training and development should be under the purview of the Executive Director/CEO.

ASME no longer has a pension plan for its employees that requires a committee to be responsible for the investment of plan assets. Therefore, there is no longer a need for the Pension Plan Trustees.

Proposed motion for BOG Action: To adopt changes to By-Law B5.2.

Attachment(s): By-Law changes.

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

B5.2.1 The sectors reporting to the Board of Governors shall be the Member Development and Engagement Sector, Standards and Certification Sector, 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 following Standing Committees shall report to the Board of Governors and shall be appointed by the Board as determined in the By-Laws: Executive Committee, Committee on Organization and Rules, Committee on Finance, Audit Committee, Committee on Executive Director/CEO Evaluation and Staff Compensation, Committee on Honors, Committee of Past Presidents, Philanthropy Committee, Diversity, Equity and Inclusion Strategy Committee, Industry Advisory Board, and Volunteer Orientation and Leadership Training Academy. Each Standing Committee shall maintain its own operation guide as prescribed by Society Policy. If a Standing Committee includes individuals who are not Governors, it is not a committee of the Board and may not bind the Board.

B5.2.3.1 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.

B5.2.3.2 The President will serve as Chair of the Executive Committee. The Immediate Past President, President-Elect and one third-year Governor, 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 third-year 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 President-Nominee (until such time as he or she becomes President-Elect) and the Executive Director are non-voting members of the Executive Committee.
- B5.2.4.1 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.
- B5.2.4.2 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.5.1 The Committee on Finance, under the direction of the Board of Governors, shall have responsibility for supervising the financial affairs of the Society and supporting the Board and its committees by conducting an annual review of the Society's budgets.
- B5.2.5.2 The Committee on Finance shall select its own Chair.

The Treasurer shall be an ex officio member of the Committee with vote and shall serve as Vice Chair. The Chief Financial Officer and the Assistant Treasurer shall be ex officio members of the Committee without vote. Other members shall be determined by the Board of Governors. The President-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.

- B5.2.6.1 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; ~~volunteer/staff collaboration survey; staff planning and organization; staff training and development; and~~ staff and retiree benefit programs, ~~including pension plans~~. The Committee will also be responsible for staff related Society Policies P-7.1, (Recognition of Staff Members - 5 Years or More of Service) and P-7.2, (Staff Employment Guidelines).

In addition, the Committee has oversight responsibilities for ~~the Pension Plan Trustees and~~ the Retirement Plan Committee.

- B5.2.6.2 The Committee on Executive Director/CEO Evaluation and Staff Compensation shall consist of the President, the President-Nominee/Elect, the Immediate Past President and three current Board members at-large (serving staggered terms on the Board). The

President and Immediate Past President are ex officio members of the ~~C~~committee with vote. The President-Nominee/Elect is an ex officio member of the Committee without vote. The Immediate Past President shall be the Chair. The incoming first-year Governor shall be selected by the President-Elect and approved by the Board of Governors.

The term of each of the current Board members at-large expires when their Board term expires.

~~B5.2.6.3 The Pension Plan Trustees, under the direction of the Committee on Executive Director Evaluation and Staff Compensation, shall have responsibility, as specified in the American Society of Mechanical Engineers Pension Plan, for the investment and ultimate distribution of the funds and may also act as Plan agent for the service of legal process.~~

~~The Pension Plan Trustees shall consist of up to seven members: the Treasurer of ASME; the Chief Financial Officer, and three to five at-large members recommended by the Committee on Executive Director Evaluation and Staff Compensation for appointment by the Board of Governors.~~

~~The terms of the at-large members shall be three years ending at the close of the second Society-Wide Meeting on a schedule established by the Committee on Executive Director Evaluation and Staff Compensation. Except as provided in this section, a Pension Plan Trustee who is a member at-large may serve no more than two consecutive full terms. To be eligible for additional full terms, a member at-large must be nominated by the Committee on Executive Director Evaluation and Staff Compensation upon a finding by the Committee that specifies exceptional circumstances warranting the additional terms, and a written statement of such findings must accompany the nomination when it is communicated to the Board of Governors by the Chair of the Committee. The nominee may then be appointed only upon the affirmative vote of two-thirds of the entire Board of Governors.~~

B5.2.6.34 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 Management Team, one member of the Human Resources Department and one Volunteer member selected by the EDESC~~of the Pension Plan Trustees~~. The three staff members will be nominated by the Executive Director/CEO and appointed at the discretion of the EDESC. ~~The pension plan trustee shall be recommended by the Pension Plan Trustees and may be 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 B5.2.5.34. ~~The Pension Plan Trustee~~

~~member's term will be for as long as they are a member of the Pension Plan Trustees.~~

- B5.2.7.1 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.
- B5.2.7.2 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.7.3 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.

- B5.2.7.4 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.
- B5.2.8.1 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.
- B5.2.8.2 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 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 ASME Ethics or Conflicts of Interest Policy, knowingly assisting or inducing another to violate or attempt to violate the ASME Ethics or Conflicts of Interest Policy, 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 B5.2.7.2 (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.

- B5.2.9.1 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 Corporation's accounting and financial reporting processes.
- B5.2.9.2 The Audit Committee shall consist of three current Board members-at-large (serving staggered terms on the Board) who serve as voting members. 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 shall be an ex officio member of the Committee without vote. The Chief Financial Officer and the Assistant Treasurer shall be ex officio members of the Committee without vote. The President-Elect makes the recommendation on the incoming first-year Board member-at-large. The term of the Board members-at-large expires when their Board term expires.
- B5.2.10.1 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.
- B5.2.10.2 The Philanthropy Committee shall select its own Chair and Vice Chair. The ASME Executive Director, 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-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.11.1 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.

- B5.2.11.2 The Diversity, Equity and Inclusion Strategy Committee shall select its own Chair and Vice Chair. Its membership shall be determined by the Board of Governors. The President-Elect may select a Governor to serve as Liaison to the Committee during their Presidential term.
- B5.2.12.1 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.
- B5.2.12.2 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-Elect may select a Governor to serve as Liaison to the Board during their Presidential term.
- B5.2.13.1 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.
- B5.2.13.2 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-Elect may select a Governor to serve as Liaison to the Academy during their Presidential term.



Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	May 13 th , 2021
BOG Meeting Date:	June 14 th , 2021
To:	Board of Governors
From:	Anand Sethupathy, Managing Director, Strategy & Programs
Presented by:	Anand Sethupathy & Lily Le (Director of Impact and Program Operations)
Agenda Title:	Social Return on Investment – Progress Update

Agenda Item Executive Summary:

ASME has made considerable progress on our Social Return on Investment (SROI) since our last update to the Board of Governors. This update will cover our progress since the last update and our proposed path forward.

Proposed motion for BOG Action: **Information Only**

Attachment(s): SROI – BoG – Update – June 2021.pptx

Social Return on Investment Update

Board of Governors Meeting

June 14th, 2021

Presented by Lily Le & Anand Sethupathy



What to Expect from this Presentation

- **Brief Description** - ASME has made considerable progress on our Social Return on Investment (SROI) since our last update to the Board of Governors. This update will cover our progress since the last update and our proposed path forward.
- **Desired Outcome** – Information Only
- **Questions** – Please hold questions until after the presentation
- **Duration** – 15 Minute Presentation & Demo; 5 Minutes Q&A

S SOCIAL
IMPACT



ROI RETURN ON
INVESTMENT

A method for measuring the *“societal” and environmental impact* of an individual program or set of program’s activities

It Measures...

- A Change in Awareness
- A Change in Knowledge
- A Change in Attitude
- A Change in Behavior

For your Stakeholder Beneficiaries...

It Is **Not** A Measurement of ...

- Financial Return for Shareholders

P&L	
Rev	100
Exp	80
Net	20

Recent Progress

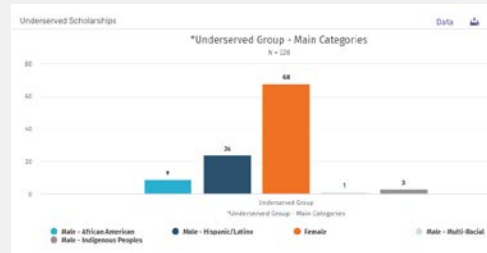
Spring FY19 – FY20

- ✓ Research & Evaluate SROI Approaches
- ✓ Resource Identification & Assignment
- ✓ Senior Leadership Buy In
-
- ✓ Identifying the Right Impact Measurement Technology Partner
- ✓ Development of Publicly Facing, Impact Dashboard Communication Tool

Research, Resource Assignment, Buy In

FY21 Year to Date

Internally, selected and deployed an Impact Tracking Platform



- ✓ Contracted Late 2020;
- ✓ Pilot Group Initial Training – Spring 2021

Externally, built Public Dashboards to better Communicate Impact with a Data Focus



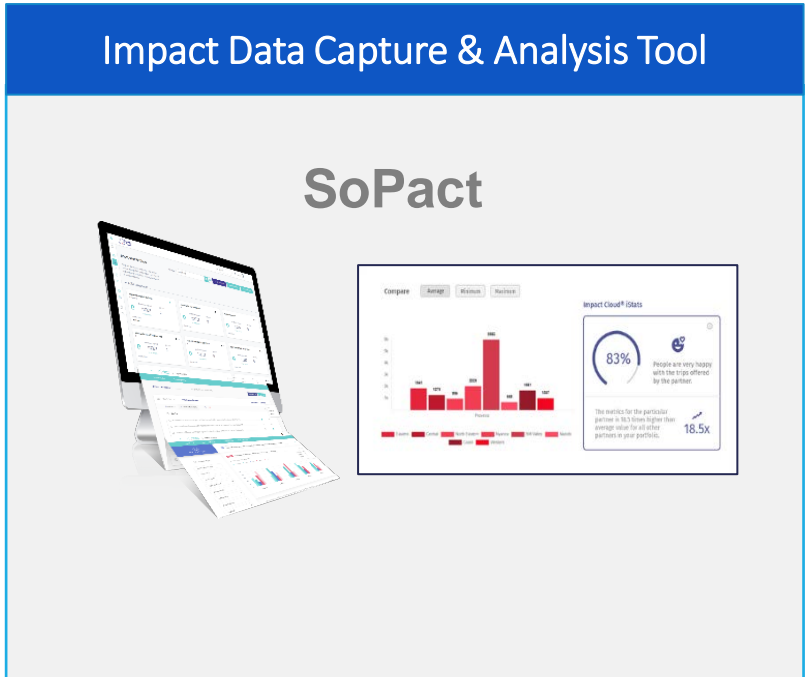
- ✓ Public Dashboards Launched Oct 2020

Acknowledgement to:

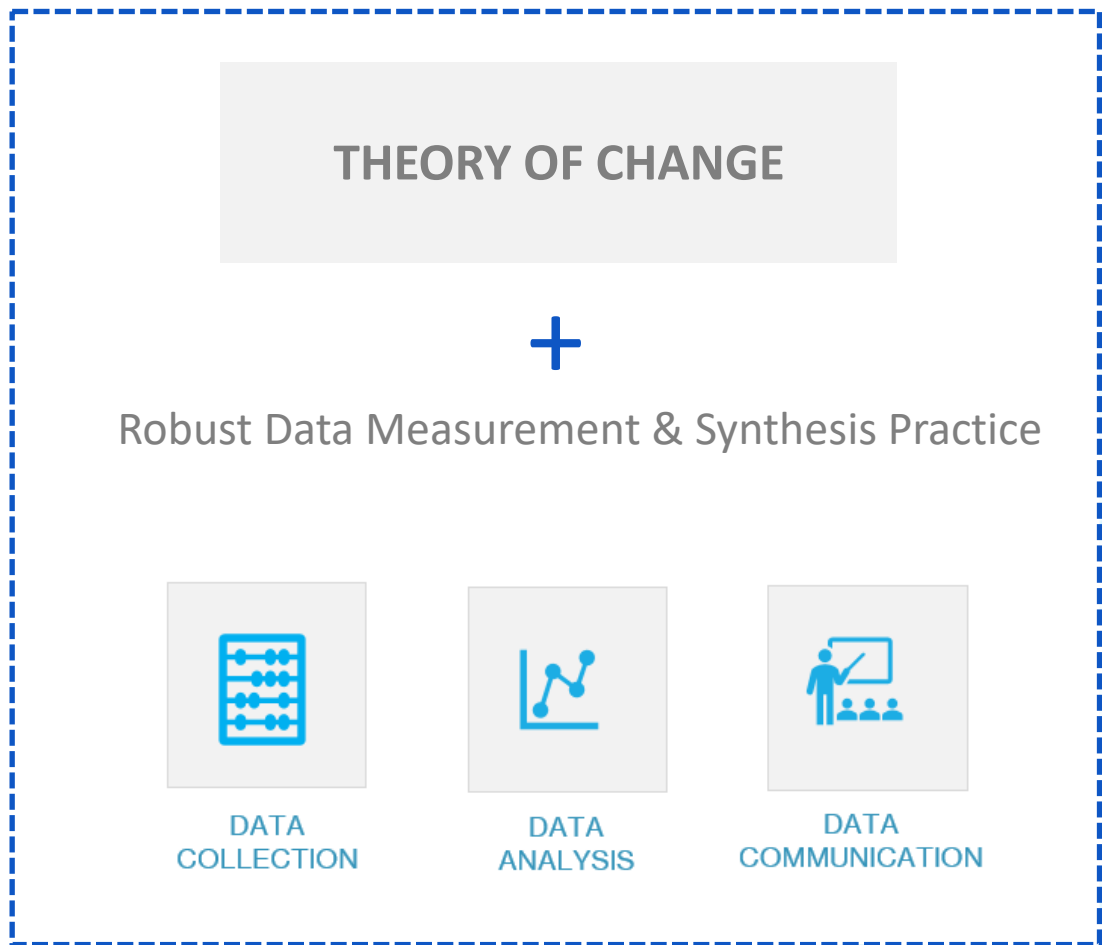


Using Technology as a Competitive Differentiator

Sopact Provides us with the Infrastructure for Impact Measurement



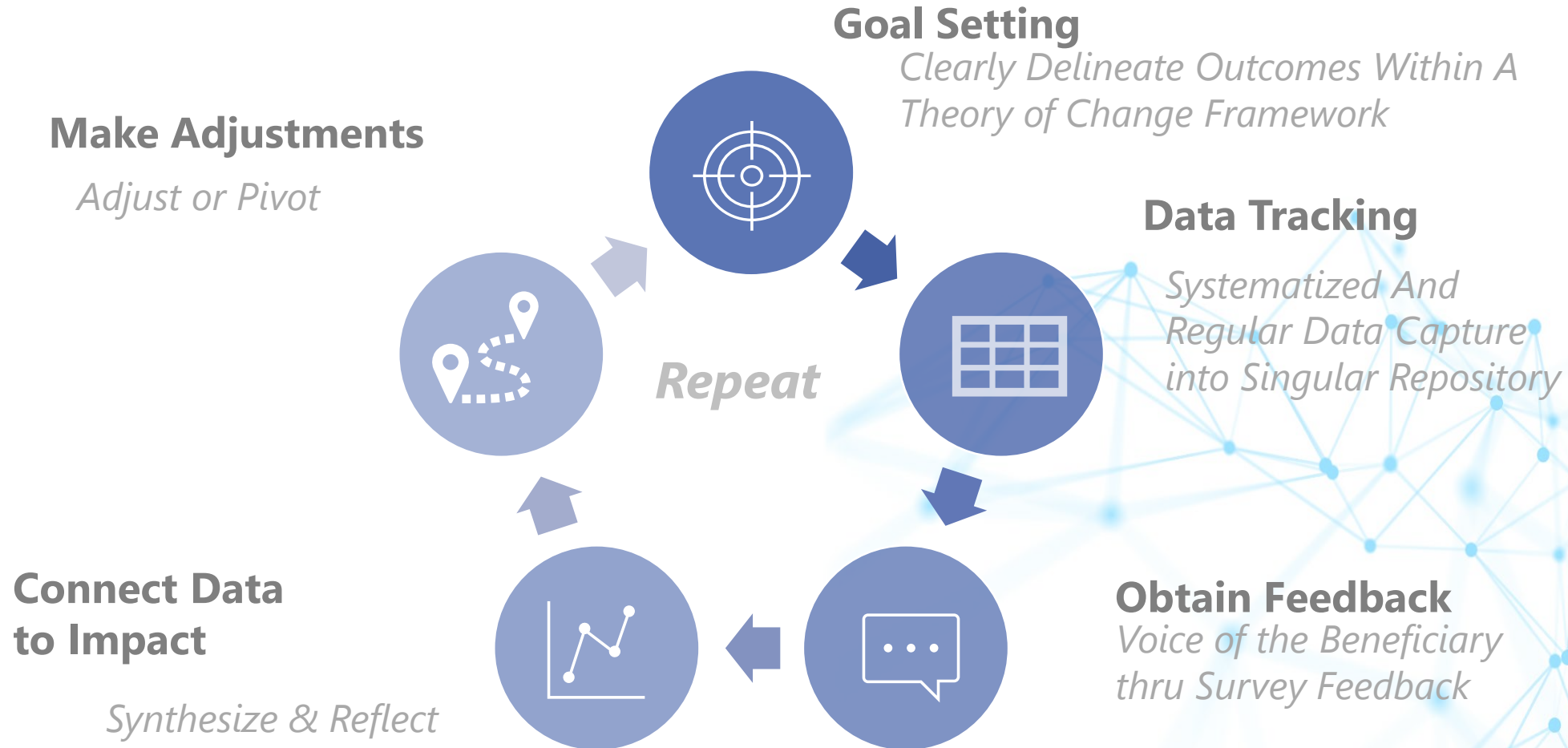
EVIDENCE BASED APPROACH:



Benefits:

- Efficient Data Collection
- Quick Analysis
- Single Source of Impact data
- Cross organizational view

A systematic process for impact measurement that is data driven....

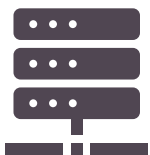


... enabling us to regularly listen to and Respond to the Voice of the Customer

Adopting Impact Measurement & Management Cycle...

- Intentional Goal Setting
- Commitment to Data Tracking
- Analytics as a Tool to Influence Behavior and Focus

+ Strong Data Harnessing Capabilities



- Improve Data Capture
- Standardize Data
- Data Comparison & Analysis
- Dashboards that enable insights and decisions

Benefits

Focused Alignment Across All Sectors to Prioritize Specific Mission Objectives



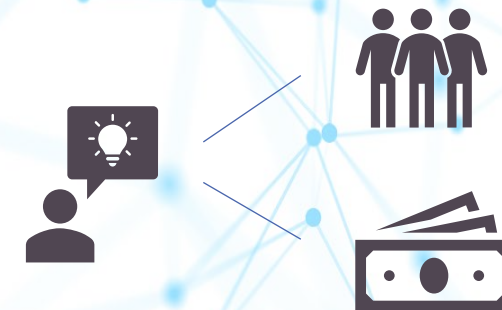
Dashboards for Insights

- Adoption Growth Trends
- Macro and Micro View
- Comparative Analytics



Stronger Understanding & Articulation Of Impact

- Attraction Point for Younger Demographics
- Enables Fundraising

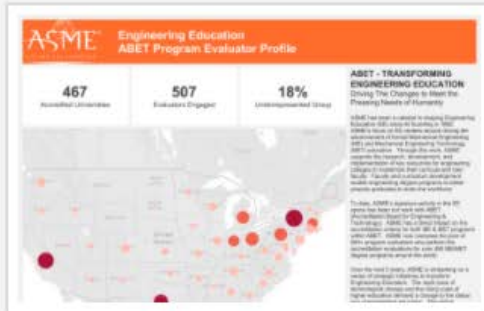


Articulating our Impact to the World in Contemporary Way

Attracts

Funders

Younger
Constituents



ABET Dashboard +
147 views



ISHOW Dashboard +
914 views



Engineering for Change Dashboard +
369 views



Scholarships Dashboard +
665 views



Inspire Dashboard +
232 views



EFest and EFX Dashboard +
906 views

Aesthetically
Pleasing

Interactive




Data-Focused

www.asmefoundation.org/stats/

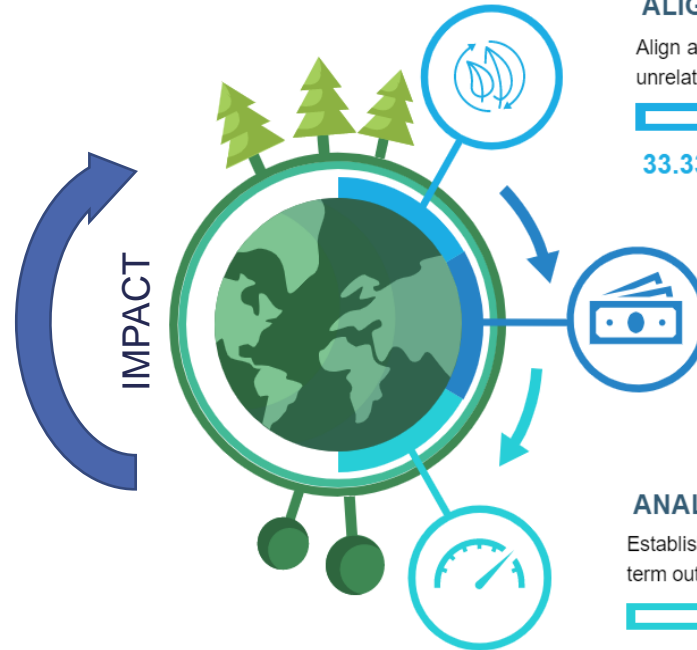
Multi-Year Roadmap

Over time, SROI aligns the organization, reduces costs, attracts investment and accelerates impact.

Timeline

FY20		Discovery Research and evaluate SROI approaches.	
FY21		Infrastructure Public Impact dashboards and SROI platform.	
FY22		Feedback Solicit feedback across ASME and tune approach.	
FY23		Adoption Work towards alignment and adoption across ASME.	
FY24		Accelerate Focus our resources on highest impact areas.	

Value Proposition



ALIGN IMPACT

Align all non-revenue generating work to a common set of goals. Avoid proliferation of unrelated activities that might fit under a broad mission statement.



ALIGN INVESTMENT

Clearly articulate our theory of change to funders and investors. Demonstrate how their investment translates to measurable outcomes.



ANALYTICS & EVALUATION

Establish clear measures of progress. Refine the measures based on research and long-term outcomes. Use the measures to prioritize discretionary investments and decisions.



The combined effect of aligned work, aligned investment and a strong evaluation framework results in accelerated and scaled impact on constituents served.

Questions?

Thank You!





Board of Governors Meeting Agenda Item Cover Memo

Date Submitted:	May 26, 2021
BOG Meeting Date:	June 14, 2021
To:	Board of Governors
From:	Mike Molnar, BOG Liaison to COH
Presented by:	Mike Molnar
Agenda Title:	Report of BOG Liaison to COH

Agenda Item Executive Summary:

At every Board meeting, a mini report will be provided from a committee that reports to the Board. The report is provided by the Board Liaison to that committee.

This 5-minute session will offer a high-level update/overview of the committee's work.

Proposed motion for BOG Action: None

Attachment(s): PowerPoint

ASME Honors - Diversity, Equity and Inclusion (DEI) Tiger Team



Goals & key objectives

1. Increase diversity of the Committee on Honors (COH), General Awards Committee (GAC) & special award committees (SACs) membership

- Review pipeline & selection procedures for SACs, GAC, & COH membership
- Host DEI training for COH, GAC & SACs
- Conduct personal visits to SACs to reinforce importance of DEI

2. Encourage a more diverse applicant pool

- Increase awareness of awards & recipients (e.g., through better marketing, promoting partners with sister societies, etc.)
- Identify & mitigate barriers to applying
- Grow industry participation in ASME's Honors & Awards program
- Ensure fairness & transparency of awards
- Improve resources on completing nomination package

3. Track & publicize metrics

- Establish baseline
- Add demographic information to nomination form (pending Legal/HR OK)
- In partnership with DEISC, publish an annual report card on metrics

Members

Nicole Kaufman Dyess (Chair)

Amy Betz

Brandon Graham

David E. Lee

Alma Martinez-Fallon

Monica Moman-Saunders

Jayathi Murthy

Jared Oehring

J.N. Reddy

Terry Shoup

Mike Molnar (advisor)

**First meeting 19 May 2021;
status update will be
provided to BOG by
September 2021**



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

Date Submitted:	May 19, 2021
BOG Meeting Date:	June 14, 2021
To:	Board of Governors
From:	Jeff Patterson
Presented by:	Jeff Patterson
Agenda Title:	Material for 6.14.21 BoG Agenda Item 2.4: 2021 Volunteer Satisfaction Survey

Agenda Item Executive Summary:

ASME Staff are pleased to provide the complete results of the 2021 Volunteer Satisfaction Survey, with findings broken out by volunteer group. During the June 14, 2021 meeting of the Board of Governors, I will present an abridged version that focuses on key findings.

Proposed motion for BOG Action:

No action is required.

Attachment(s):

ASME Volunteer Satisfaction Research 2021 Key Findings by Group.pdf

May 2021

ASME Volunteer Satisfaction Research – Key Findings by Volunteer Group



Content:

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Technical Divisions	Page 16
Professional Sections	Page 29
Student Sections	Page 40
Conference Organizers, Track Leaders & Session Chairs	Page 53
SECD	Page 64
Journal Editors, Associate Editors & Reviewers	Page 75
BoG Committees	Page 83
Award Committees	Page 91
Member Development & Engagement (<i>directional due to small base</i>)	Page 100
Public Affairs and Outreach (<i>directional due to small base</i>)	Page 109
Board of Governors (<i>directional due to small base</i>)	Page ² 117



May 2021

ASME Standards & Certification



RESPONDENT PROFILE: STANDARDS & CERTIFICATIONS



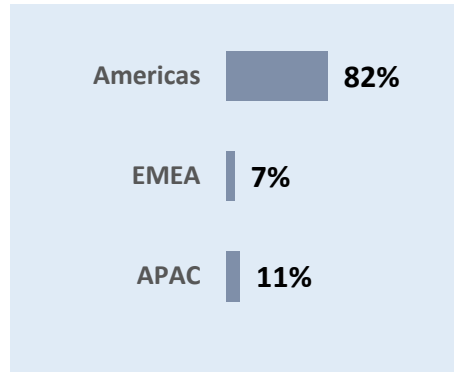
754 responses from
volunteers



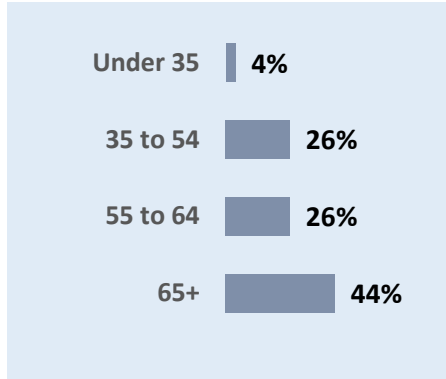
Male 94%
Female 6%

RESPONDENTS BY

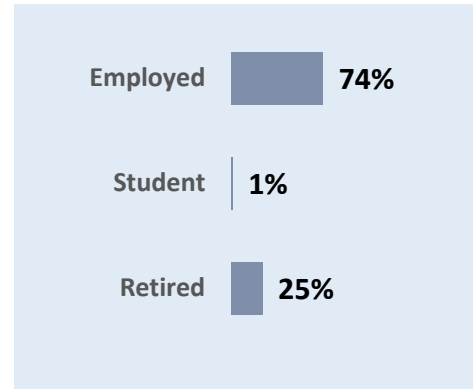
REGION



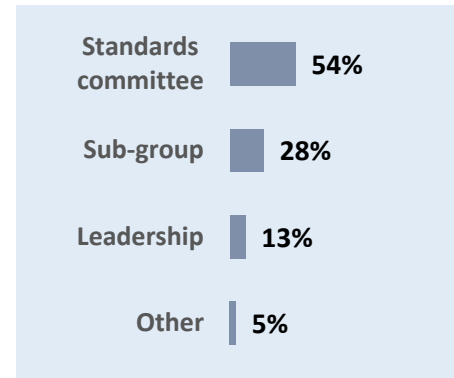
AGE



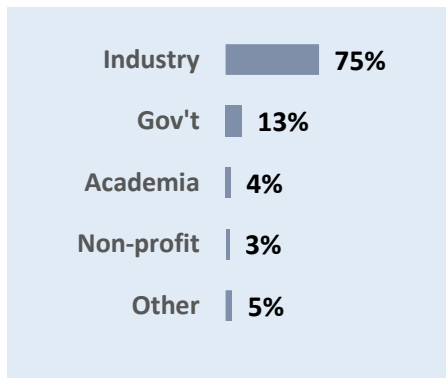
EMPLOYMENT STATUS



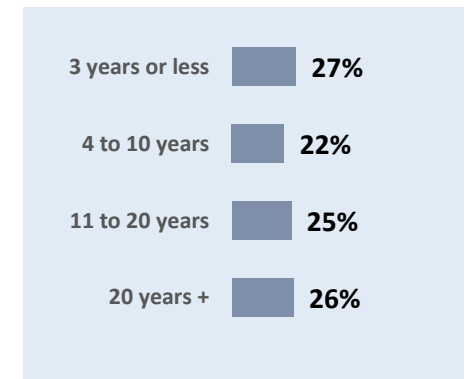
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From S&C Volunteers?

- ❑ Staying abreast of codes and industry developments and collaboration with diverse groups of professionals are the main reasons for volunteering with S&C.
- ❑ All KPIs remain strong (albeit declining directionally) driven by confidence in volunteer and ASME leadership, good grasp of S&C governance and processes, agreement that their contributions are recognized and acknowledgment of diversity and inclusion efforts.
 - ✓ *Additional drivers of loyalty among S&C volunteers include ability to constructively voice their opinions and logistical support from ASME.*
- ❑ In line with other engagement groups, mid-career S&C volunteers report the lowest KPIs, as they were most impacted by the COVID-19 related challenges and the need to balance work, family obligations and volunteering – all in virtual environment.
- ❑ There are some notable differences in attitudes between S&C Leaders and Team members, as Leaders were also more affected by the need to quickly move to virtual meetings and increasingly long for the return of face-to-face interactions and meetings.

ASME S&C VOLUNTEER KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

94%

Change vs. prior reporting



- 3%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

43



-4

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

42%



-3%

In-line with Overall Findings, Mid-Career S&C Volunteers Reported the Lowest KPIs

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Under 35 [15*]

35 to 54 [134]

55 to 65 [135]

65 or older [227]

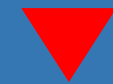
100%

91%

94%

93%

Change vs. prior reporting

 -6

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

73

37

43

49

Change vs. prior reporting

 -6

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

25%

38%

44%

50%

Change vs. prior reporting

 -10

 +9

* Directional due to small base

International Volunteers Have More Positive Views of ASME Compared to their North American Colleagues

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Americas [603]

93%

EMEA [52]

98%

APAC [80]

99%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

43

48

40

No change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

38%

48%

76%

Change vs. prior reporting

 - 12

There Are Notable Differences in Attitudes between S&C Leaders and Team Members

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Leadership [92]

Team [645]

90%

95%



Change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

49

42

Change vs. prior reporting

No change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

58%

40%

Change vs. prior reporting



Loyalty Among S&C Volunteers Increases with Tenure

(shows difference of $\geq \pm 5\%$)

<4 yrs [193]

4 to 10 yrs [188]

11 to 20 yrs [162]

>20 yrs [194]

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

96%

95%

93%

93%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

39

39

43

52

No change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

35%

40%

51%

43%

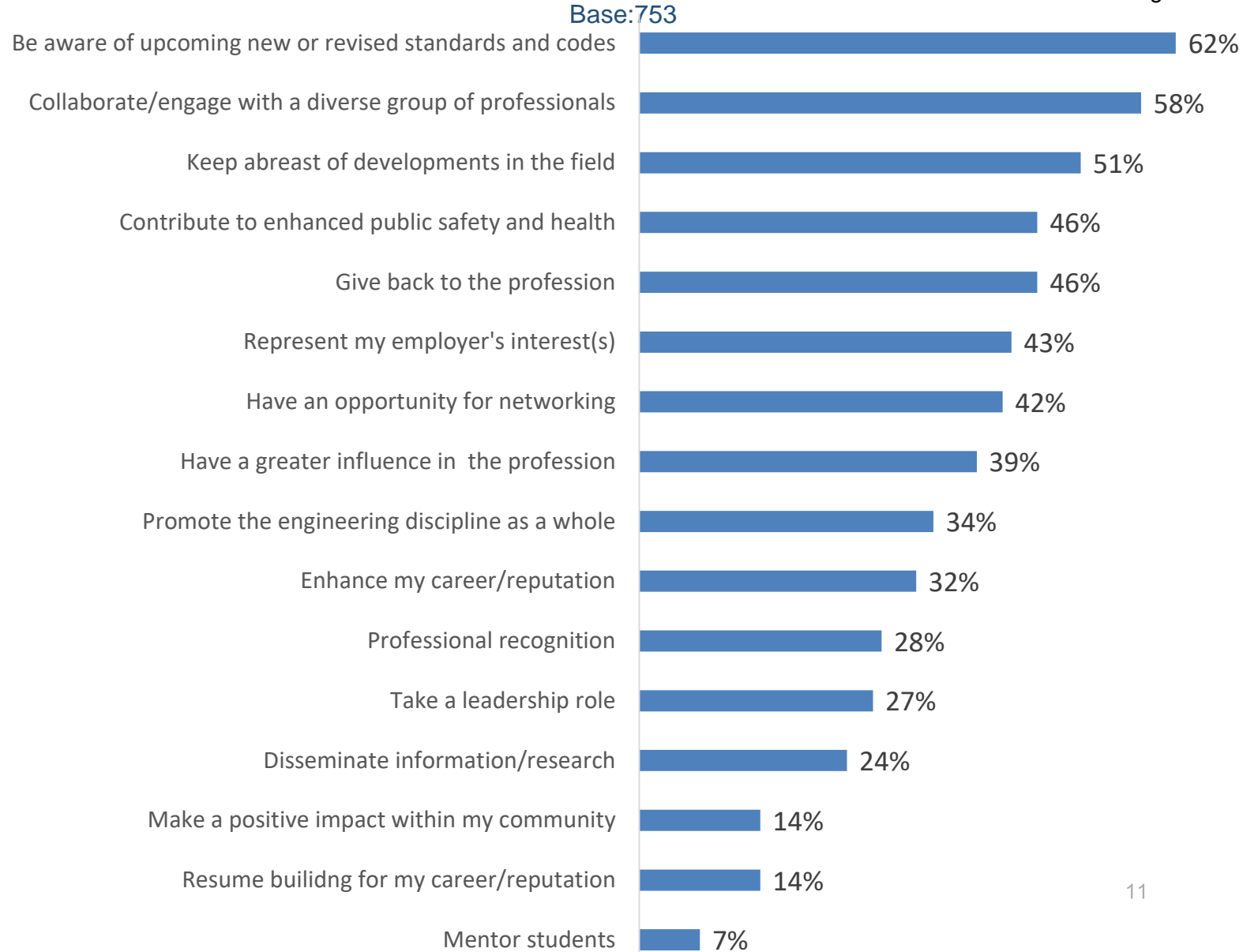
Change vs. prior reporting

▼ -19

▼ -7

Staying abreast of codes and industry developments and collaboration with a diverse group of professionals are the main reasons for volunteering with S&C.

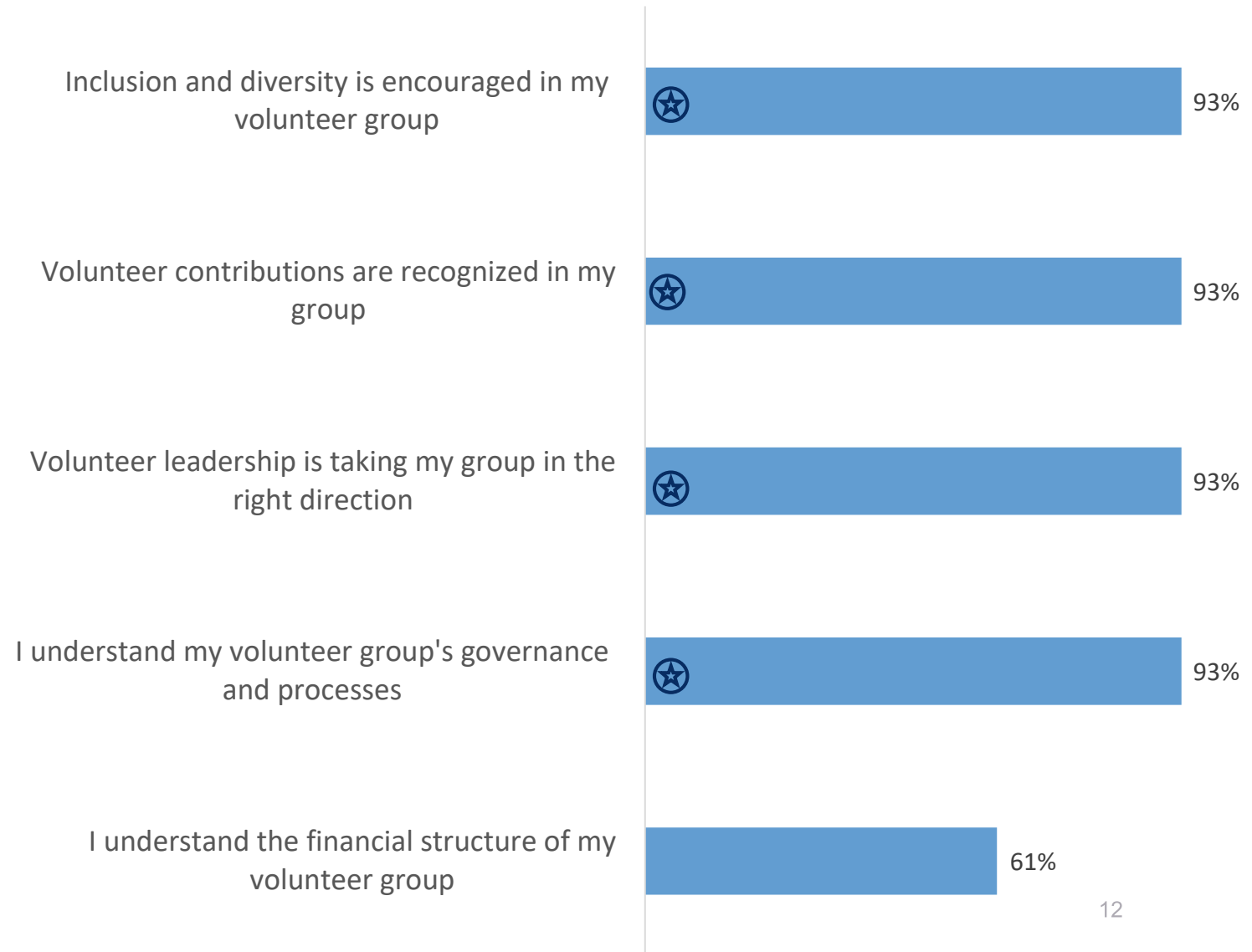
Main Reasons for Volunteering with ASME Standards & Certification



Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

Attitudes Regarding Strategic Aspects of Volunteering with S&C (% Agree)

Base: 707



Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME.

ASME proprietary and confidential. Not for distribution

Overwhelming majority of S&C volunteers have confidence in group's leadership and good grasp of S&C governance and processes. They feel that their contributions are recognized and acknowledge ASME's diversity and inclusion efforts.

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Key drivers of loyalty among S&C volunteers include understanding of groups' governance and processes, confidence in leadership, recognition of their efforts and ASME's logistical support of their volunteers' activities.

“Depending on the leadership, it varies. Leaders who allow others to contribute and welcome new-comers to participate bring out the best in volunteers. I had such leaders.” – Later career volunteer from North America

Impact of S&C Volunteers Attitudes on NPS



*Drivers determined by multiple regression model against likelihood of recommendation

Satisfaction with the structure of S&C and ASME volunteering organization overall is exceptionally high. Almost all S&C volunteers are also pleased with their interactions and degree to which their voices are heard.

“It has been a huge experience and a wealth of knowledge learned along the way. I have learned that if you feel there is a need for change just get out there and do it.” – Later-career engineer from North America

Satisfaction with Aspects of Volunteering with S&C

Base: 580

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Q. How satisfied are you with the following aspects of volunteering for ASME....?

ASME proprietary and confidential. Not for distribution

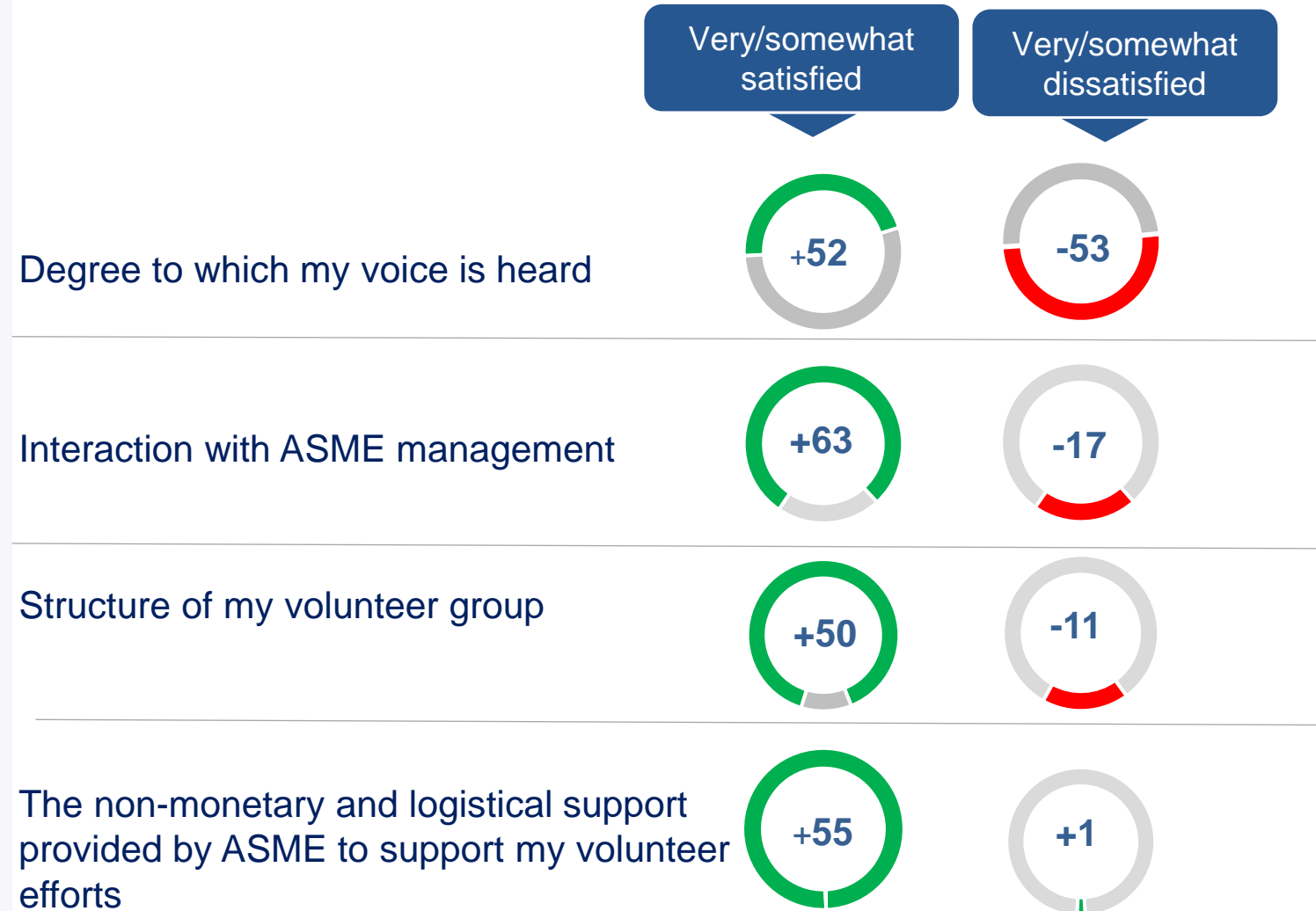
★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Ability to speak out and be heard, interaction with ASME management, structure of their groups/committees and non-monetary support provided by ASME all significantly impact loyalty of S&C volunteers.

✓ *Notably, interaction with ASME management is of high importance to two groups – S&C and Technical Divisions.*

Impact of S&C Volunteers Satisfaction with their Engagements on NPS

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15

*Drivers determined by multiple regression model against likelihood of recommendation



May 2021

ASME Technical Divisions



RESPONDENTS PROFILE: TECHNICAL DIVISIONS



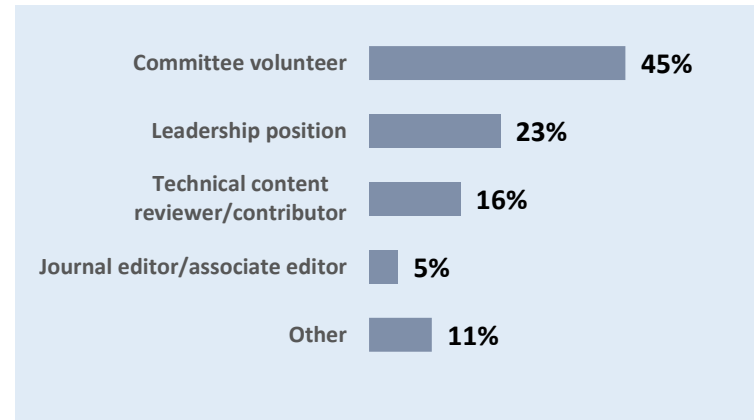
286
responses
from
volunteers



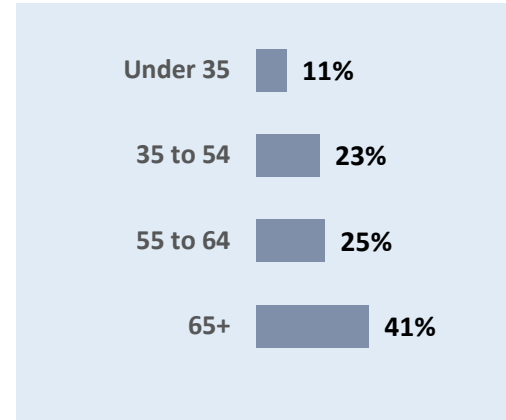
Male 94%
Female 6%

RESPONDENTS BY

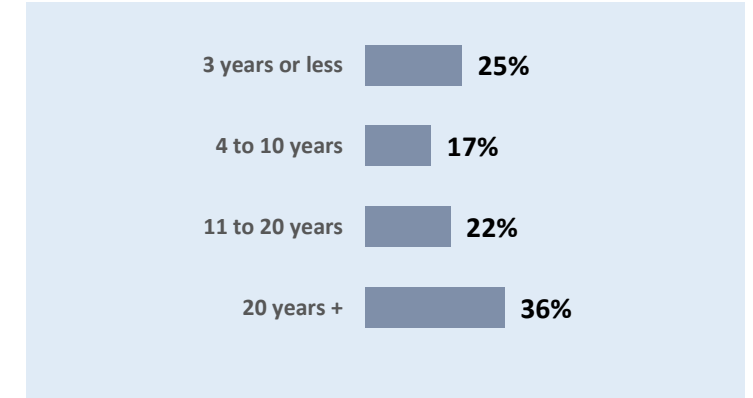
ENGAGEMENT ROLE



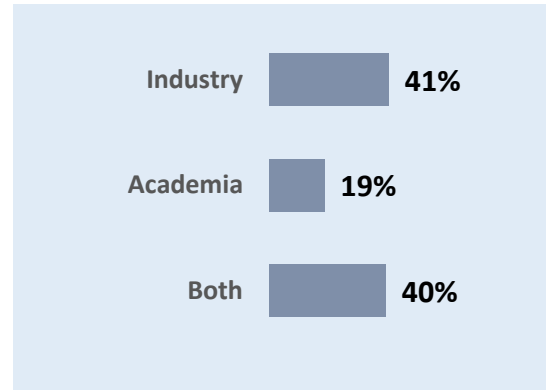
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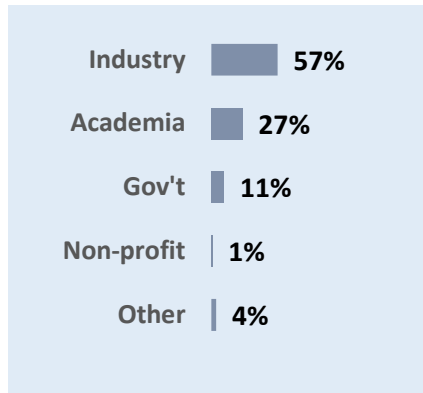
VOLUNTEER TENURE



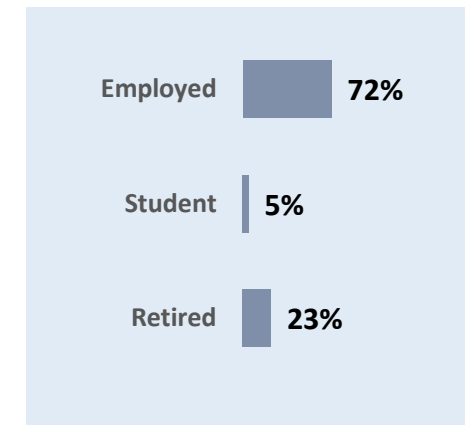
ALIGNMENT



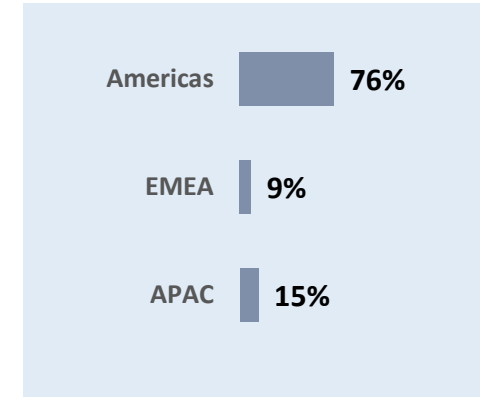
ORG. TYPE



EMPLOYMENT STATUS



REGION



What Did We Hear From Technical Divisions Volunteers?

- ❑ Similar to the views of other volunteers, the primary motivations for volunteering with Technical divisions include networking and collaborating with peers, keeping current, and a desire to give back to the engineering community.
 - ✓ *In fact, many see themselves as the cornerstone of the society.*

- ❑ KPIs are trending up over 2019.
 - ✓ *As has been seen with other engagement groups, mid-career volunteers directionally reported lower KPIs, as this age cohort has been hit the hardest by COVID-19 related work-life-volunteering challenges.*
 - ✓ *Technical Division Leaders netted a significantly higher NPS compared to Team members. Leaders' NPS improved markedly compared to 2019.*

- ❑ Primary drivers of loyalty among Technical Divisions' volunteers include understanding of governance, financial structure and processes, and recognition of their efforts.
 - ✓ *While majority of the Technical Divisions volunteers said they understand governance and processes of the group, only seven in 10 feel they have a good grasp of its financial structure.*
 - ✓ *Notably, Technical Divisions are the only volunteer group where confidence in volunteer leadership has less of a direct impact on loyalty, though interactions with ASME management continue to matter greatly.*

ASME TECHNICAL DIVISIONS VOLUNTEER KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

93%

Change vs. prior reporting



+1%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

34



+2

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

43%



+2

Older Technical Divisions Volunteers Report the Highest KPIs

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Under 35 [24*]

35 to 54 [46*]

55 to 65 [51]

65 or older [88]

83%

87%

94%

94%

Change vs. prior reporting

 -6

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

38

13

33

47

Change vs. prior reporting

 +18

 -21

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

55%

32%

41%

51%

Change vs. prior reporting

 -9

 -17

 +10

NPS of Technical Divisions Leaders is Up Significantly Compared to 2019

(shows difference of $\geq \pm 5\%$)

Agenda Appendix 2.4
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VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Leadership [61]

Team [202]

92%

93%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

43

32

Change vs. prior reporting

 +8

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

41%

45%

No change vs. prior reporting

* *Directional due to small base*

ASME proprietary and confidential. Not for distribution

International Volunteers Reported Higher KPIs, Albeit Off a Much Smaller Base

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Americas [199]

International [62]

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

91%

97%

Change vs. prior reporting

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

33

37

No change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

39%

60%

 - 17

Change vs. prior reporting

Seasoned Volunteers With 11 To 20 Years of Tenure Report the Lowest KPIs This Year

(shows difference of $\geq \pm 5\%$ for the groups with sufficient base of respondents)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

<4 yrs [63]

95%

4 to 10 yrs* [42]

95%

11 to 20 yrs [60]

88%

>20 yrs [98]

93%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

27

45

25

40

 - 7

Change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

47%

56%

32%

43%

No change vs. prior reporting

* *Directional due to small base*

Similar to other volunteers, networking and collaborating with peers, keeping current, and giving back to the engineering community are the primary motivations to volunteer with Technical Divisions.

Main Reasons for Volunteering with ASME Technical Divisions

Base: 285

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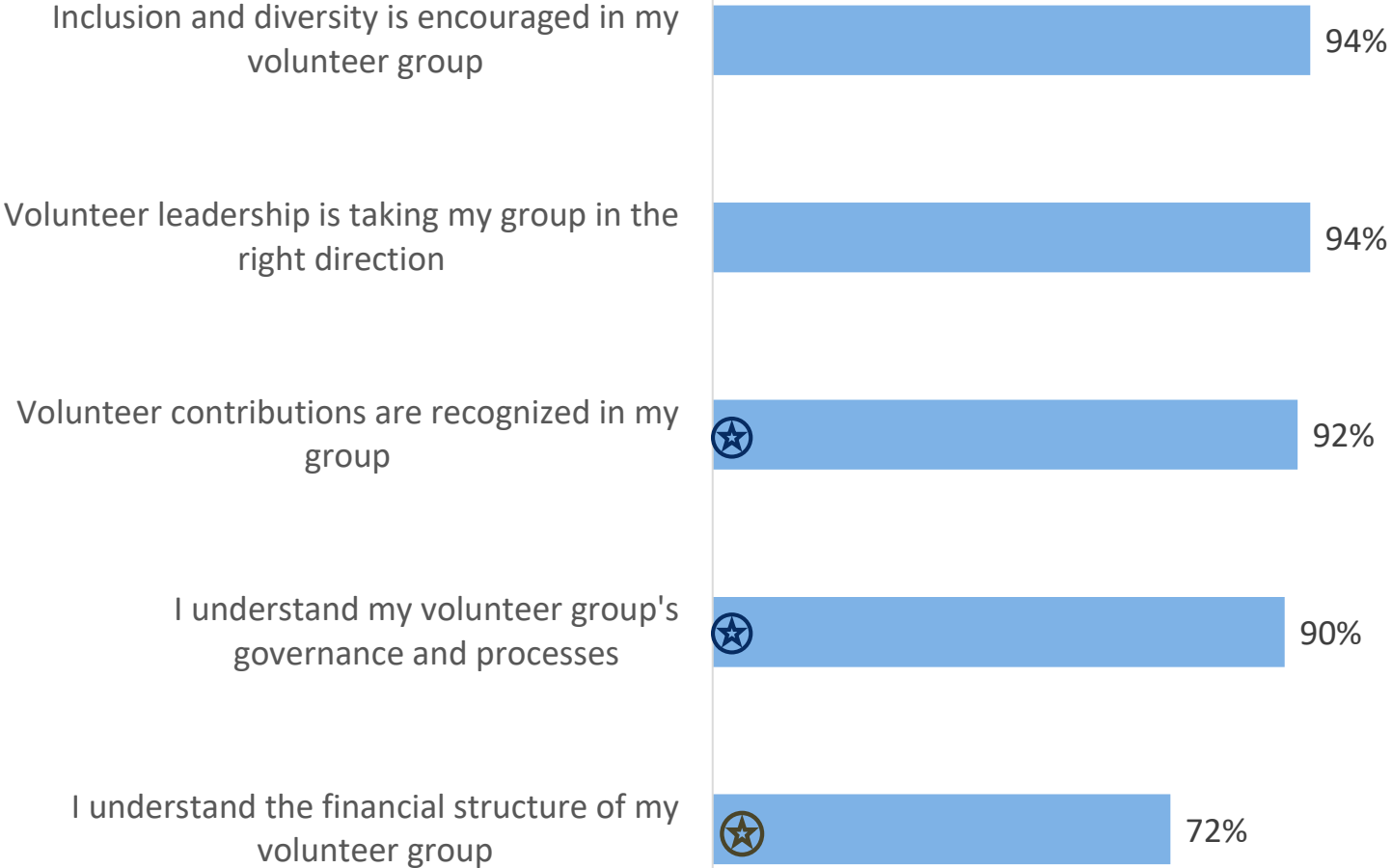


Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

ASME proprietary and confidential. Not for distribution

Attitudes Regarding Strategic Aspects Of Volunteering with Technical Divisions (% Agree)

Base: 238



Technical Divisions volunteers expressed high confidence in leadership, understanding of the governance and processes of the group and acknowledged diversity and including effort.

However, only seven in 10 said they understand financial structure of the group.... which is one of the key drivers of loyalty

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

Impact of Technical Divisions Volunteers Attitudes on NPS

Primary drivers of ASME loyalty among Technical Divisions volunteers include understanding of governance, processes and financial structure of their group, along with the recognition of their efforts.

✓ *Notably, Technical Divisions is the only volunteer group where confidence in volunteer leadership has less of a direct of direct impact on loyalty.*



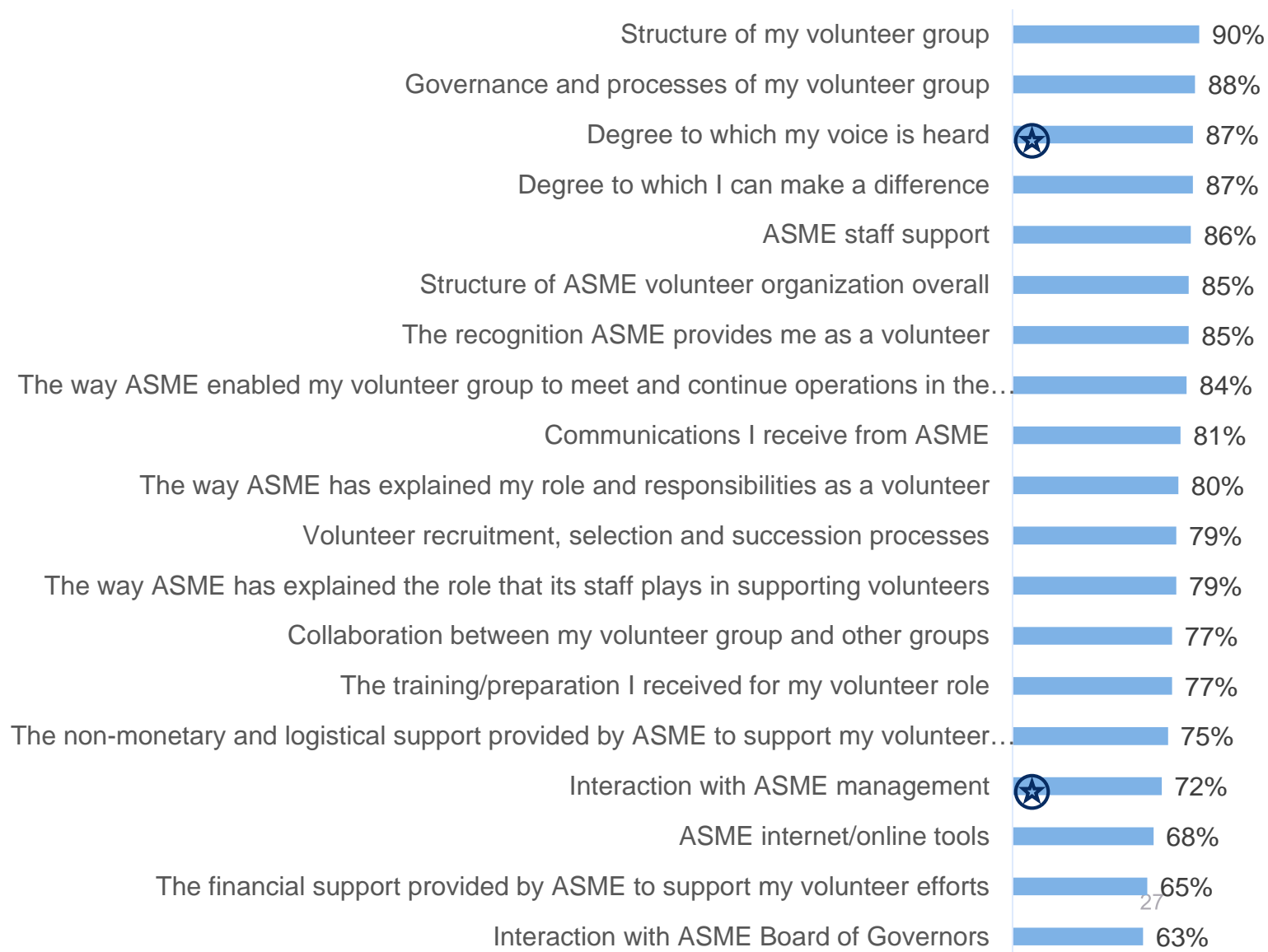
*Drivers determined by multiple regression model against likelihood of recommendation

Notably, satisfaction with ASME management interactions matters greatly.

Most Tech Division volunteers are satisfied with the structure and governance of their groups and degree to which their voices are heard, but fewer are satisfied with interactions with management and BoG or with the financial support provided.

Satisfaction with Aspects of Volunteering Among Technical Divisions Volunteers

Base: 189

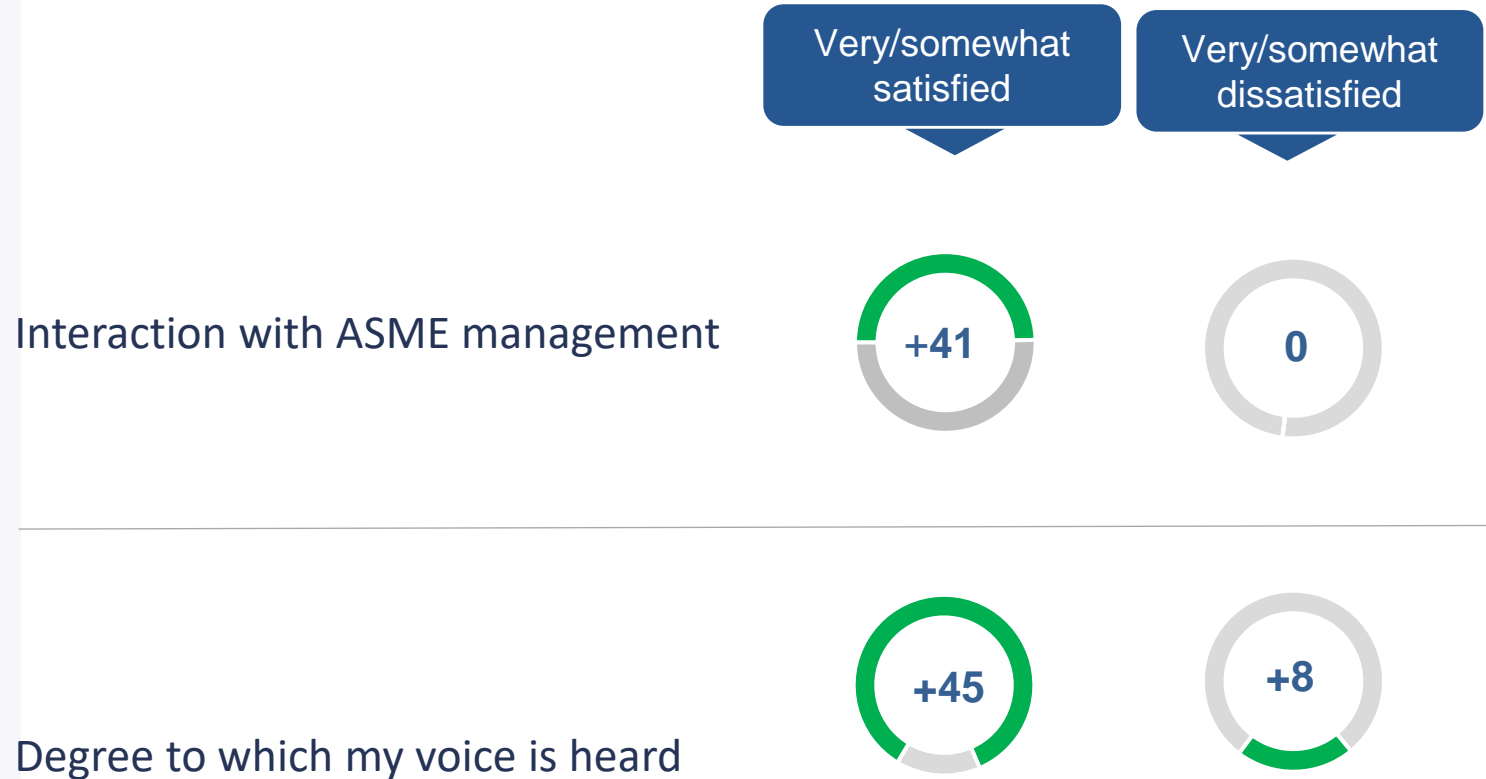


★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Satisfaction with the interactions with ASME management and volunteers' ability to be heard drive Technical Division volunteer loyalty.

“Despite all the constraints put on divisions, pressure to perform financially without adequate means to reach out to potential attendees and new members outside of the ASME member mailing list, to make a conference successful, Technical Divisions are the centerpiece of engagement for many industries important to ASME.” – Later career Technical Division volunteer from North America

Impact of Technical Divisions Volunteers Satisfaction with their Engagements on NPS



**Drivers determined by multiple regression model against likelihood of recommendation*



May, 2021

ASME Professional Sections



RESPONDENTS PROFILE: PROFESSIONAL SECTIONS



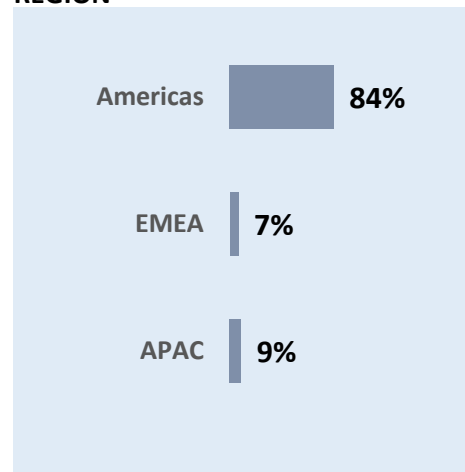
162 responses
from volunteers



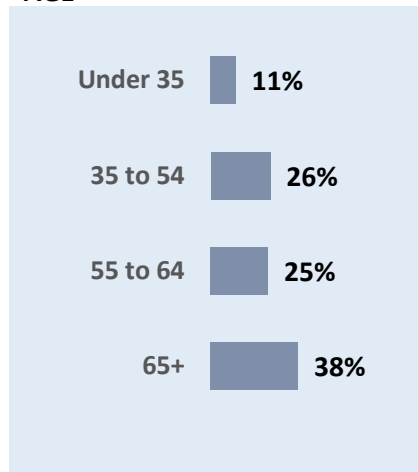
Male 95%
Female 4%

RESPONDENTS BY

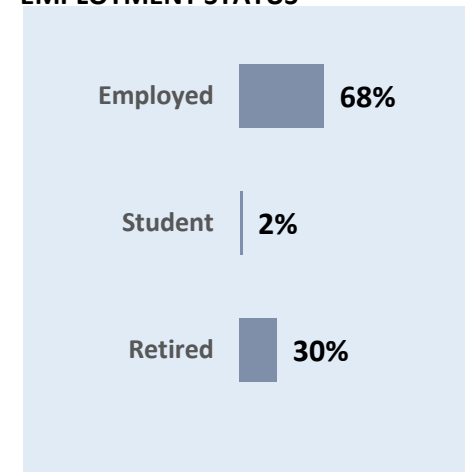
REGION



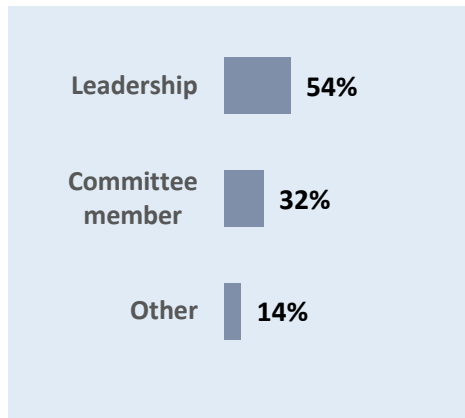
AGE



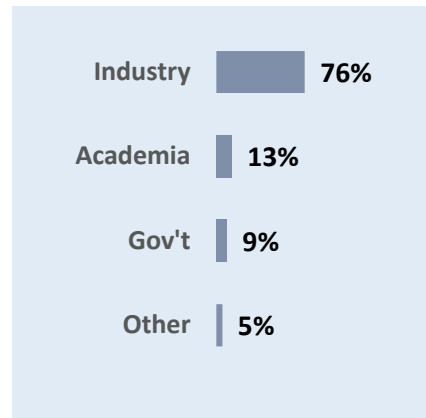
EMPLOYMENT STATUS



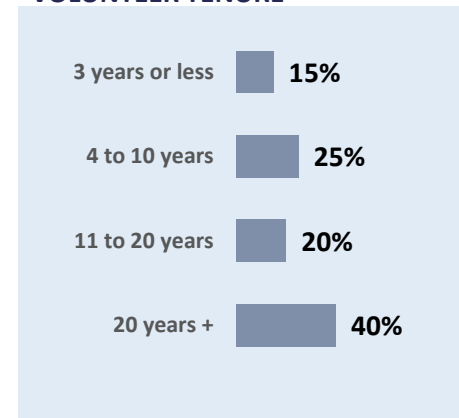
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From Professional Sections Volunteers?

- ❑ Our focused effort aimed at revitalizing Professional Sections is paying off – all KPIs are significantly up compared to 2019, although more efforts are required.
 - ✓ *Similar to other engagement groups, mid-career volunteers directionally report lower KPIs, as this age cohort has been hit the hardest by COVID-19-related work-life-volunteering challenges.*

- ❑ Promoting engineering discipline, giving back to the greater engineering community, networking, and collaborating with peers are the main reasons for volunteering with Professional Sections.

- ❑ As such, confidence in volunteer leadership and satisfaction with the way ASME enabled collaboration in the virtual environment are the prime drivers of NPS for this group.
 - ✓ *However, the ratings that Professional Section volunteers gave to “volunteer leadership taking the group in the right direction” and satisfaction with “the way ASME enabled collaboration in the virtual environment” are the lowest across all volunteer groups. Much more effort is needed to “win” their trust fully.*

ASME PROFESSIONAL SECTIONS VOLUNTEER KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

88%

Change vs. prior reporting



+7%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

28



+15

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.






33%



-3%

In Line with Other Groups, Mid-career Volunteers Directionally Netted the Lowest NPS

(shows difference of $\geq \pm 5\%$)

	Under 35 [24*]	35 to 54 [46*]	55 to 65 [51]	65 or older [88]
VOLUNTEER SATISFACTION (VSAT)				
Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations	87%	88%	94%	82%
<i>Change vs. prior reporting</i>		 + 8	 + 12	
NET PROMOTER SCORE (NPS)				
Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty	40	0	38	33
<i>Change vs. prior reporting</i>	 +26	 -10	 +23	
COMPETITIVE POSITION (CP)				
Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.	N/A	15%	35%	28%
<i>Change vs. prior reporting not available due to small bases</i>				

* Directional due to small base

While Leaders and Team Members Are Aligned on Loyalty, Satisfaction Still Lags

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)	Leadership [83]	Team [70]
Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations	84%	93%
<i>Change vs. prior reporting</i>		 +10

NET PROMOTER SCORE (NPS)	Leadership [83]	Team [70]
Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty	28	29
<i>Change vs. prior reporting</i>	 +9	 +13

COMPETITIVE POSITION (CP)	Leadership [83]	Team [70]
Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.	18%	47%
<i>No change vs. prior reporting</i>		

Directionally, International Volunteers Reported Higher KPIs

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Americas [127]

86%

International [24*]

100%

 + 12

Change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

23

 + 13

50

 + 20

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

26%

50%

Change vs. prior reporting not available due to small bases

Change vs. prior reporting

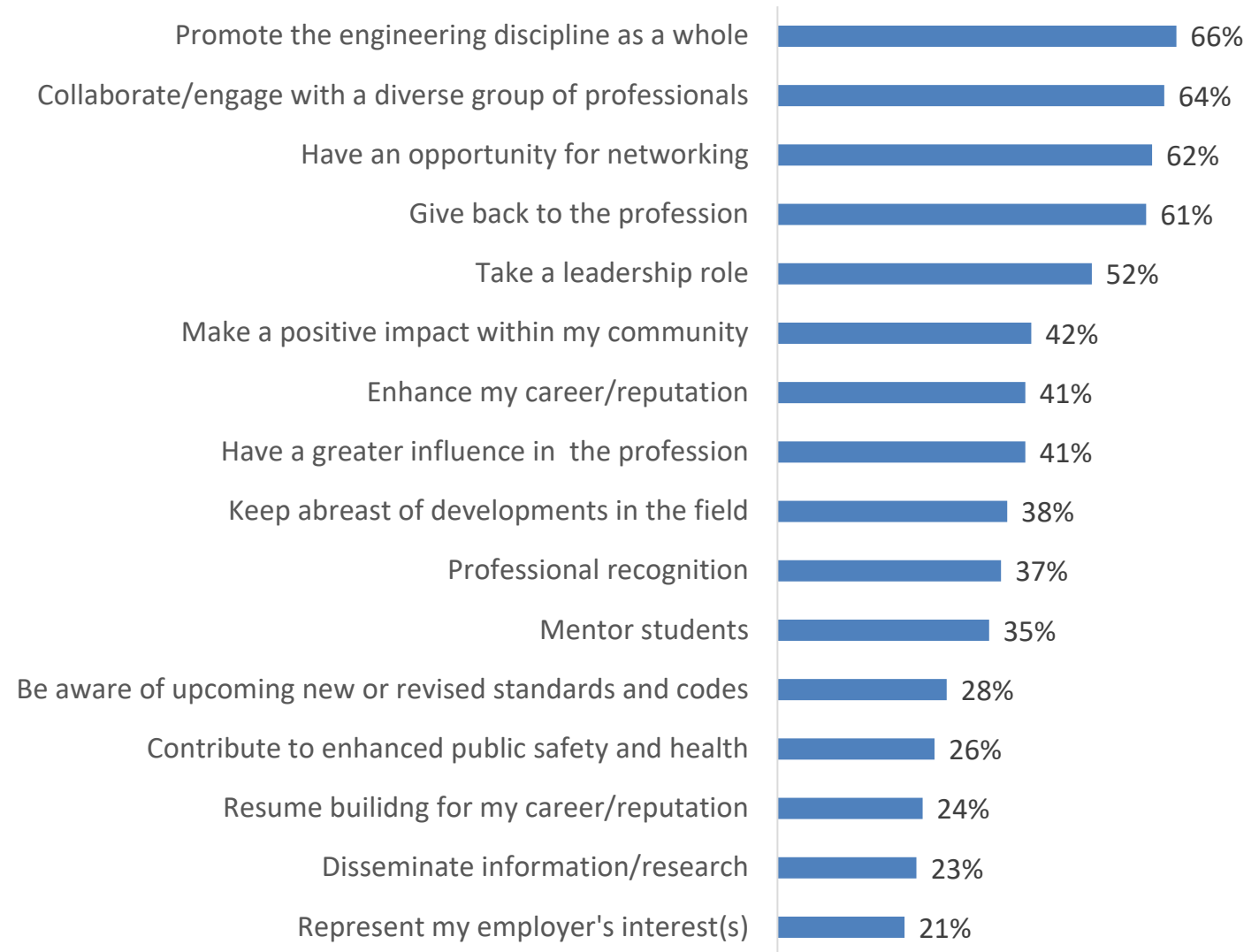
** Directional due to small base*

Promoting the engineering discipline, networking and collaborating with peers, and giving back to the greater engineering community are the main reasons for volunteering with Professional Sections.

Main reasons for Volunteering with ASME Professional Sections

Base: 162

Agenda Appendix 2.4
Page 37 of 124



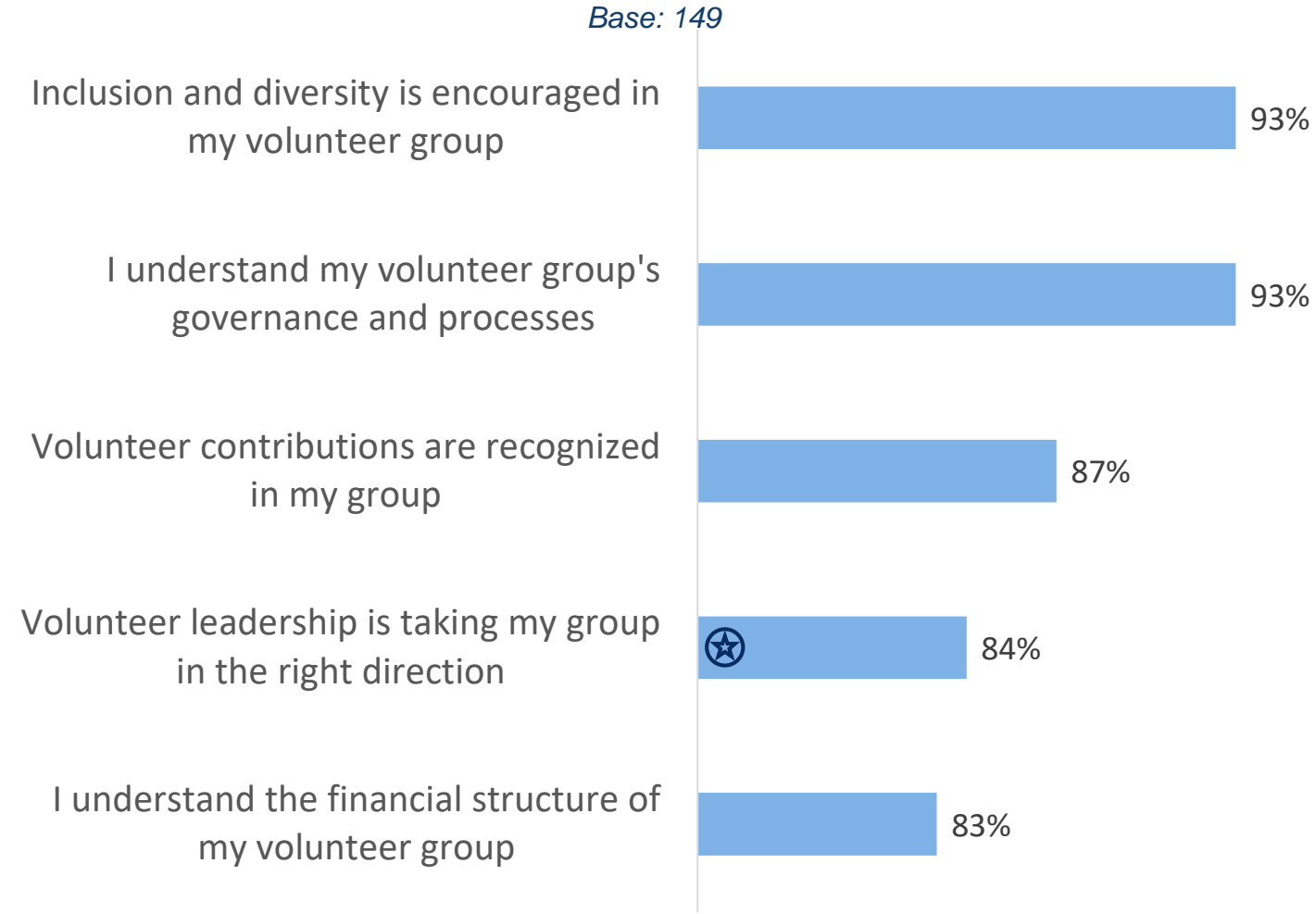
Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

Majority of the Professional Sections volunteers said they understand groups' governance and process and agreed that diversity and inclusion is encouraged.

- ✓ Fewer expressed confidence in ASME leadership, which is the major driver of NPS for this group.
- ✓ Notably, confidence that ASME leadership is taking the group in the right direction is the lowest across all volunteer groups – more effort is needed to “win” their trust fully

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Attitudes Regarding Strategic Aspects of Volunteering with Professional Section (% Agree)

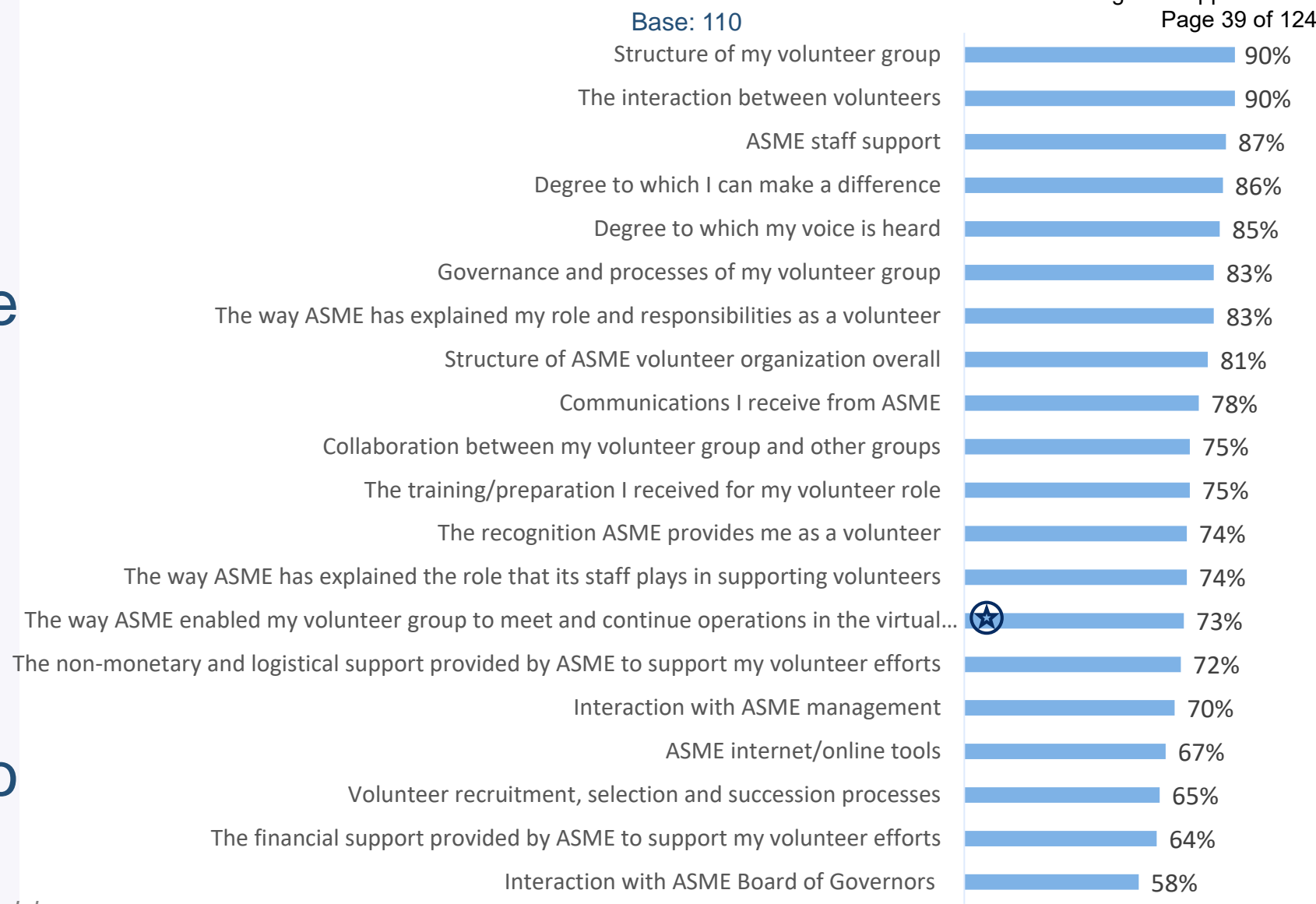


Most are satisfied with their volunteer structure, interactions and staff support.

However, only seven in ten are satisfied with the way ASME enabled collaboration in the virtual environment – a key driver of loyalty for this group. Notably, it was also rated lower compared to other volunteer groups.

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

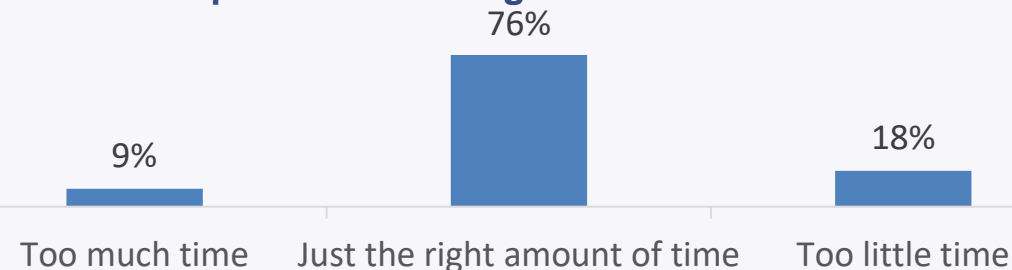
Satisfaction with Aspects of Volunteering Among Professional Sections Volunteers



As networking, collaboration and promoting engineering discipline are the main reasons for volunteering with sections, their confidence in volunteer leadership and satisfaction with the way ASME enabled that collaboration are the prime drivers of NPS for this group.

✓ *Almost a fifth (18%) said they don't spend enough time volunteering.*

Time Spent Volunteering with Professional Sections



Key Drivers of Loyalty Among Professional Sections Volunteers

Impact Of Section Volunteers Attitudes On NPS



Impact of Satisfaction with Aspects of their Engagements on NPS



**Drivers determined by multiple regression model against likelihood of recommendation*



May, 2021

ASME Student Sections



RESPONDENTS PROFILE: STUDENT SECTIONS



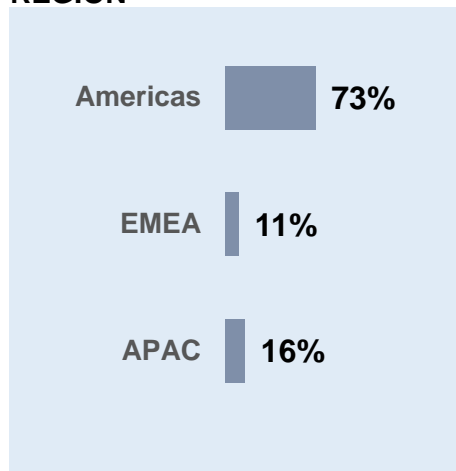
152
responses
from
volunteers



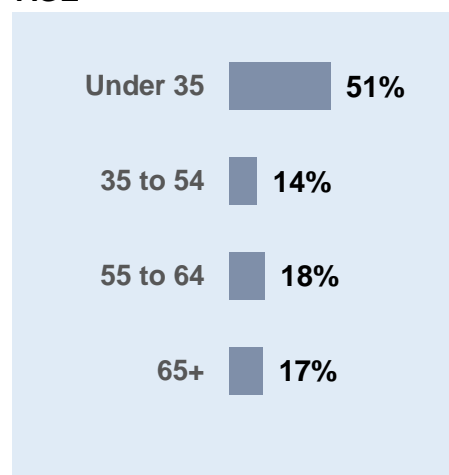
Male 92%
Female 8%

RESPONDENTS BY

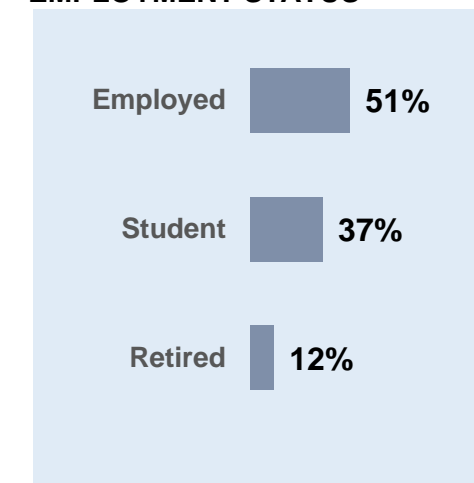
REGION



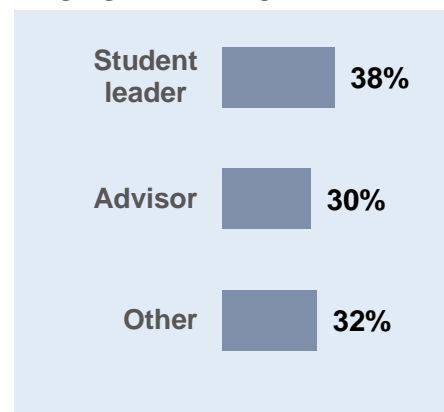
AGE



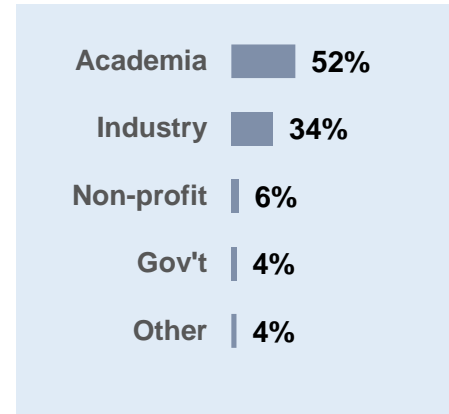
EMPLOYMENT STATUS



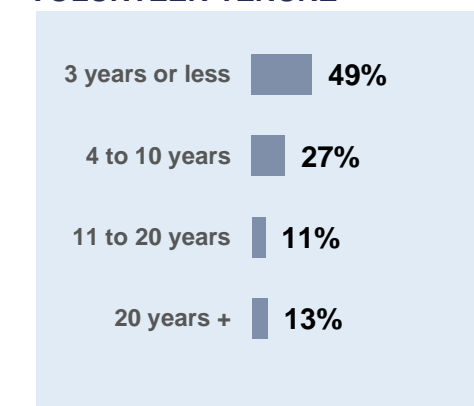
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear from Student Section Volunteers?

- ❑ The increase in KPIs reported by the Student Sections Volunteers this year is quite significant.
 - ✓ *In fact, their NPS is third highest behind only BoG and MDE.*

- ❑ Given the large number of students and advisors in this group, it is unsurprisingly that mentoring, promoting engineering as a discipline, networking, positively impacting their communities and taking leadership roles are the main reasons for volunteering with Student Sections.
 - ✓ *Notably, a relatively large number of volunteers in this group indicated that they would like to devote more time to volunteering.*
 - ✓ *In line with other previous research, students indicated that they would like more training.*

- ❑ Primary drivers of ASME loyalty among Student Section volunteers include understanding of governance processes and confidence in volunteer leadership – both rated quite high and contributing to a significant boost in this year’s NPS.

- ❑ Satisfaction with the way ASME enabled them to meet and collaborate in these challenging times and structure of their volunteer groups also influence the Student Sections NPS.

ASME STUDENT SECTIONS VOLUNTEER KPIS: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

92%

Change vs. prior reporting



+5%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

49



+23

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

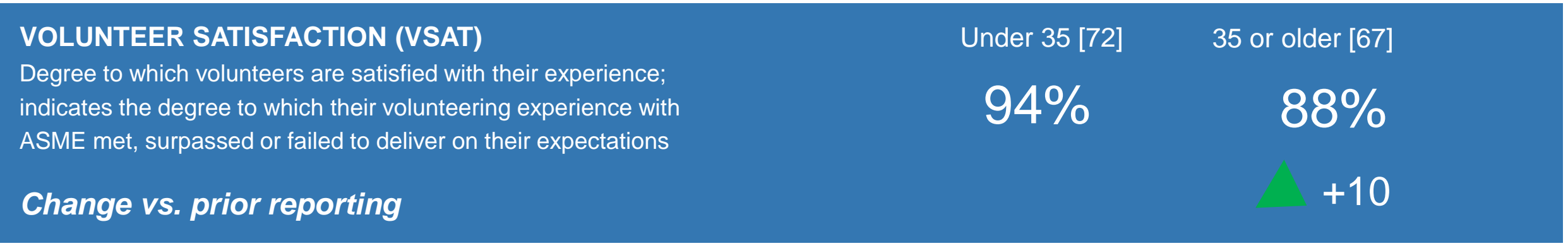
47%



+15%

Younger Volunteers Are Much More Positive in their Views of ASME

(shows difference of $\geq \pm 5\%$)



* Directional due to small base

KPIs of North American Volunteers Increased Significantly

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Americas [104]

International [41*]

88%

100%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

57

58

Change vs. prior reporting

 +29

 +9

COMPETITIVE POSITION (CP)*

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

38%

76%

Change vs. prior reporting

 +11

* Directional due to small base

Increase in NPS for Both Team Members and Leaders is Very Impressive

(shows difference of $\geq \pm 5\%$)

	Leadership [55]	Team [90]
VOLUNTEER SATISFACTION (VSAT) Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations	98%	88%
	<i>No change vs. prior reporting</i>	

NET PROMOTER SCORE (NPS) Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty	65	40
<i>Change vs. prior reporting</i>	 +26	 +26

COMPETITIVE POSITION (CP)* Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.	68%	35%
	<i>Comparison is not available due to small bases</i>	

* **Directional due to small base**

Increase in NPS Across Both Young and Seasoned Volunteers Is Noteworthy

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

4 to 10 yrs [73]

4 to 10 yrs [37*]

>11 yrs [36*]

97%

92%

86%

Change vs. prior reporting

 +6

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

53

54

44

Change vs. prior reporting

 +26

 +33

 +29

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

56%

47%

40%

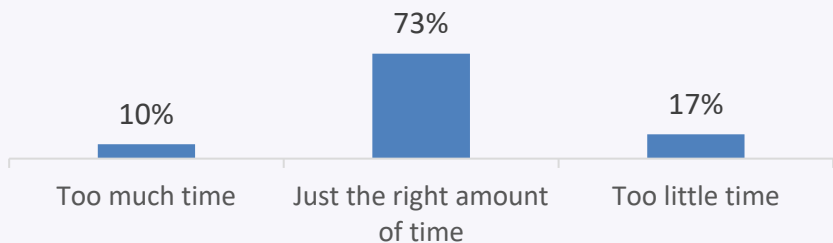
Comparison is not available due to small bases

* *Directional due to small base*

Promoting engineering discipline, networking, taking a leadership role, mentoring, and positively impacting their communities are the main reasons for volunteering with Student Sections.

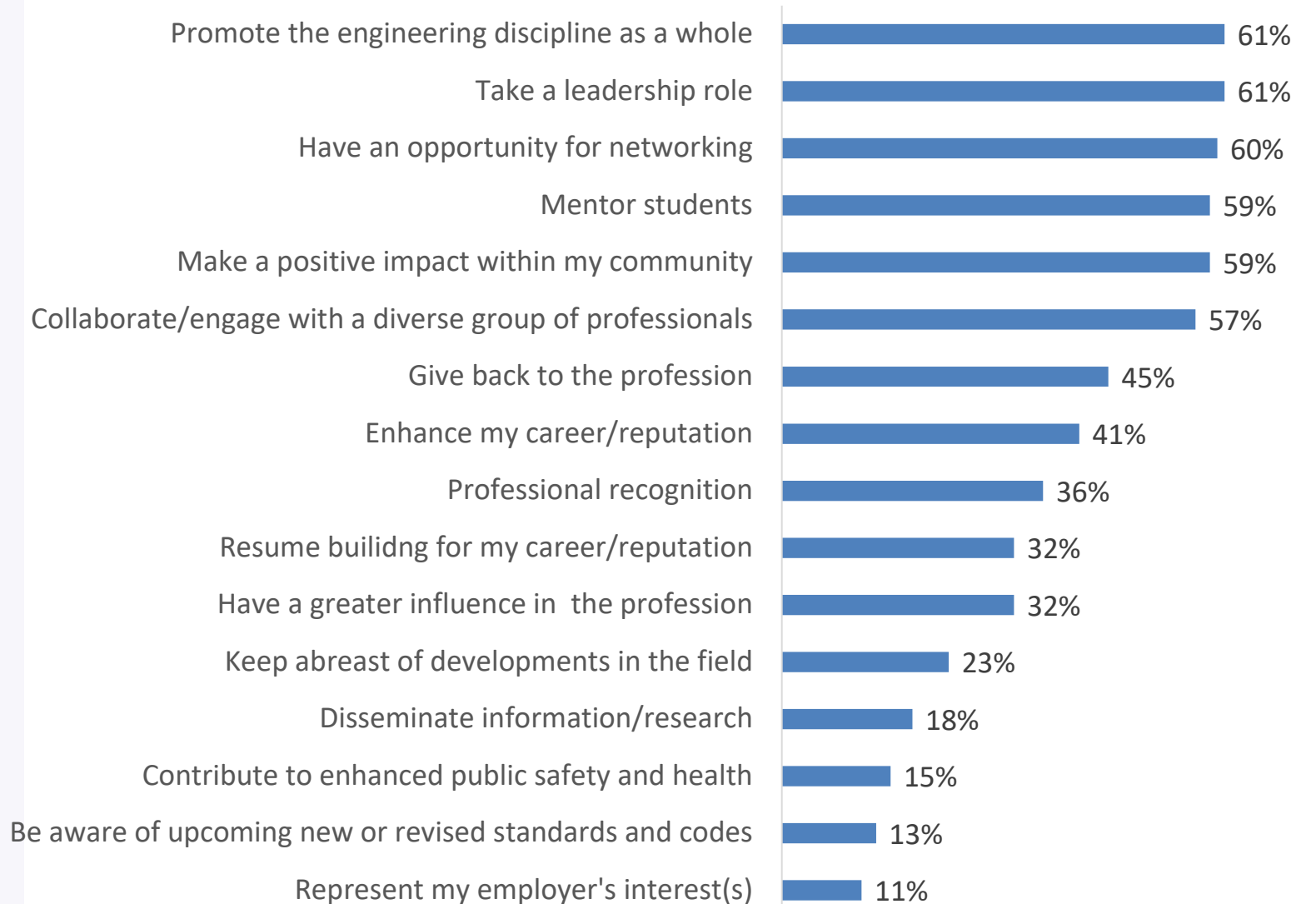
✓ *A large number said they spend too little time volunteering with ASME – presenting an opportunity for further engagement.*

Time Spent Volunteering with Student Sections



Main Reasons for Volunteering with ASME Student Sections

Base: 152



Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

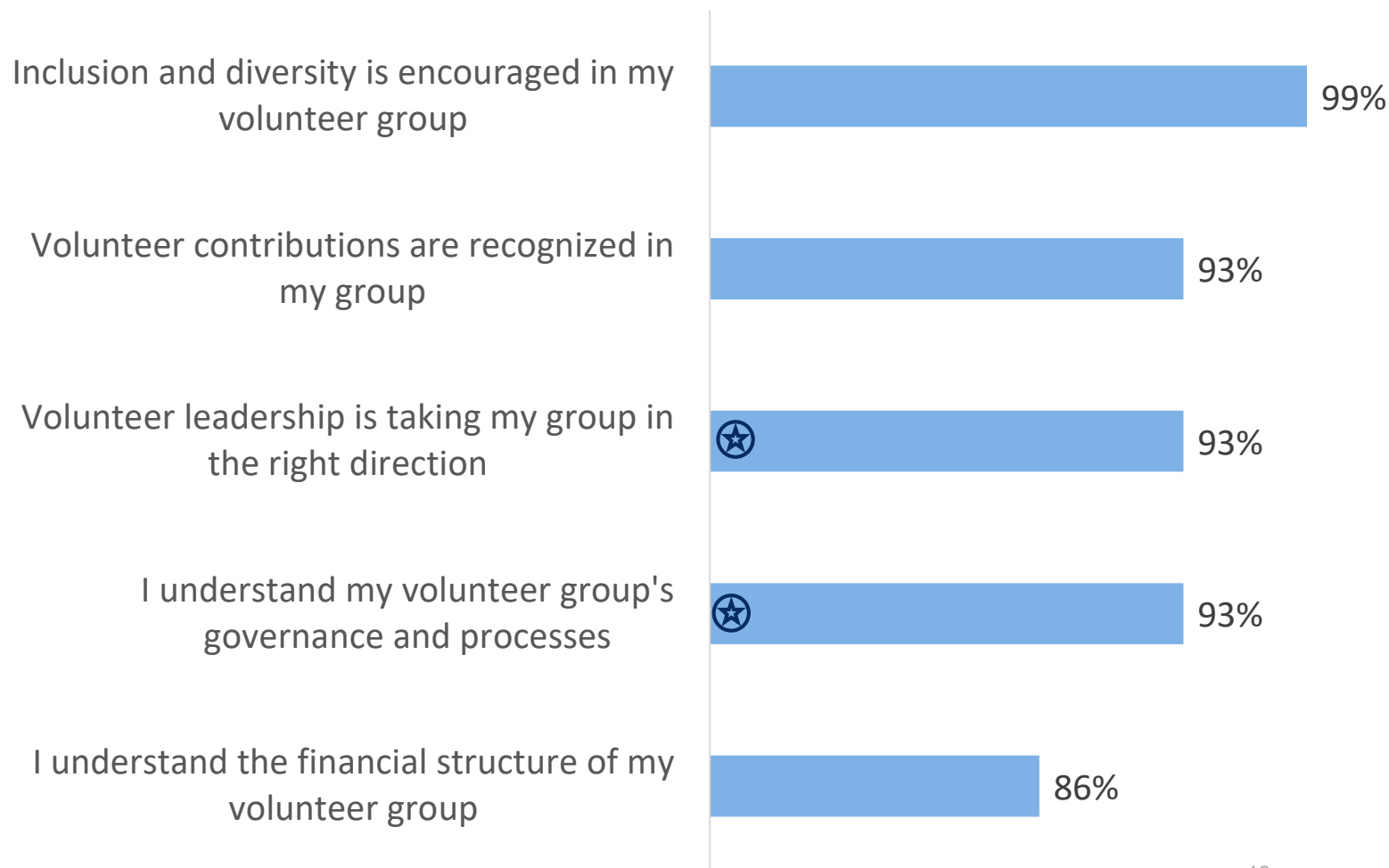
Overall, student sections volunteers gave us high marks this year.

Practically all (99%) said that inclusion and diversity is encouraged – the highest ratings across volunteer groups.

Attitudes Regarding Strategic Aspects of Volunteering with Professional Section

(% Agree)

Base: 135



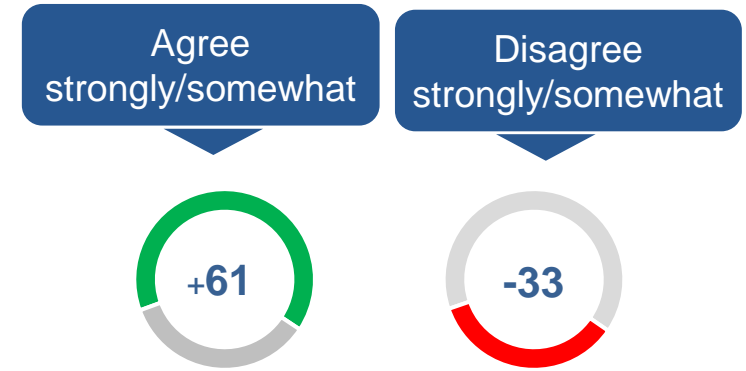
49

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

ASME proprietary and confidential. Not for distribution

Impact of Student Sections Volunteers Attitudes on NPS



I understand my volunteer group's governance and processes



Volunteer leadership is taking my group in the right direction

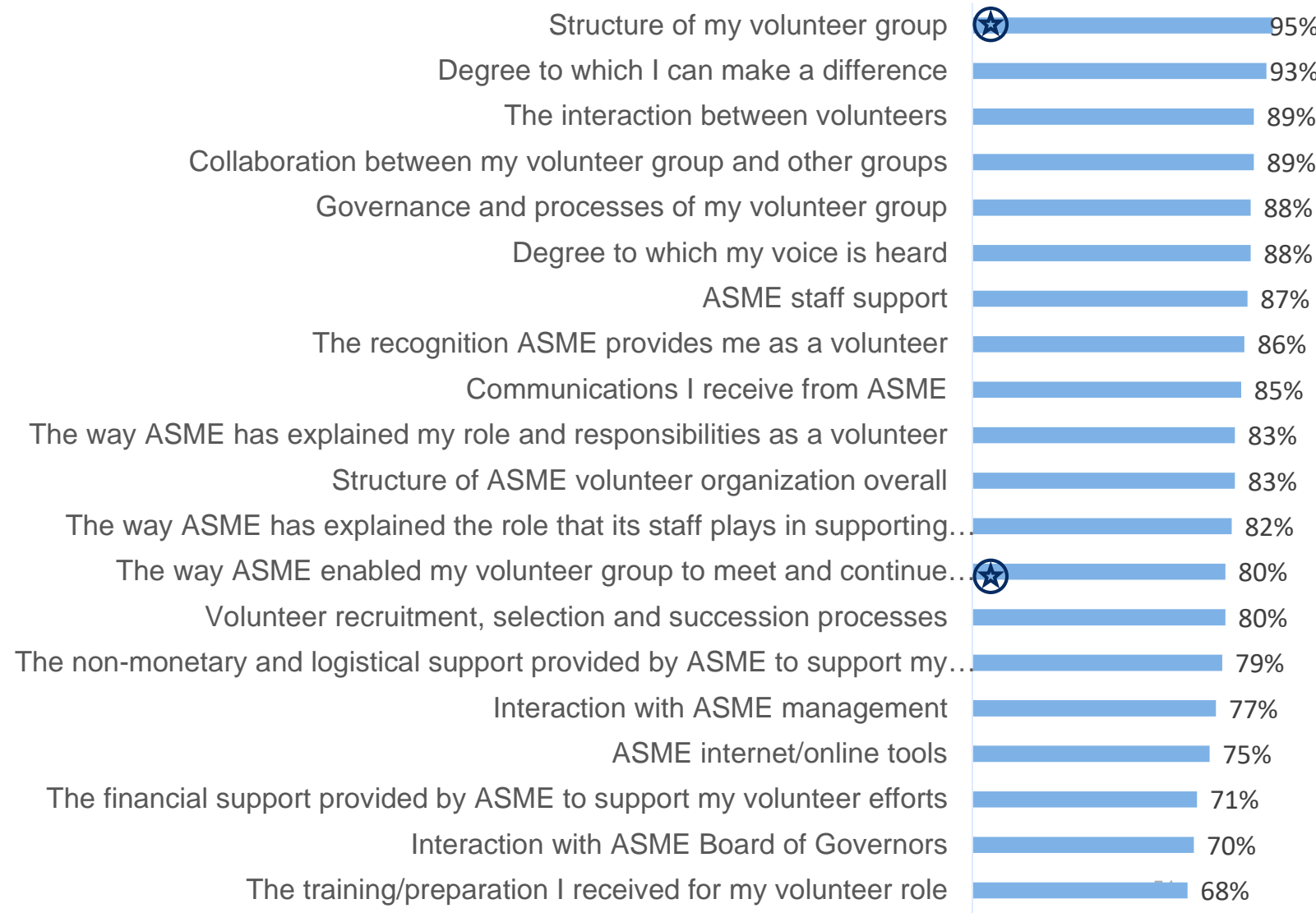
**Drivers determined by multiple regression model against likelihood of recommendation*

Primary drivers of ASME loyalty among Student Sections volunteers include understanding of governance and processes and confidence in volunteer leadership – which were both rated quite high contributing to significant boost in this year's NPS.

While satisfaction with the structure of the Student Section volunteer group was rated exceptionally high, training/preparation received lower marks – the lowest among all volunteer groups.

Satisfaction with Aspects of Volunteering among Student Sections Volunteers

Base: 109



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Impact of Student Sections Volunteers Satisfaction with their Engagements on NPS

Satisfaction with the way ASME enabled them to meet and collaborate in these challenging times and structure of their volunteer groups correlates directly with NPS of Student Sections volunteers.

There is unquestionably great potential to reach very high NPS scores with this group over time.

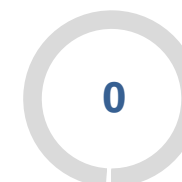
The way ASME enabled my volunteer group to meet and continue operations in the virtual environment

Very/somewhat satisfied

Very/somewhat dissatisfied



Structure of my volunteer group



⁵²
**Drivers determined by multiple regression model against likelihood of recommendation*



May 2021

ASME Conference Organizers, Track Leaders & Session Chairs



RESPONDENTS PROFILE: CONFERENCE ORGANIZERS, TRACK LEADERS & SESSION CHAIRS



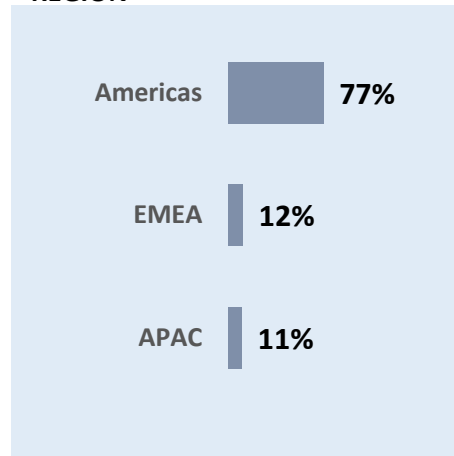
203 responses
from volunteers



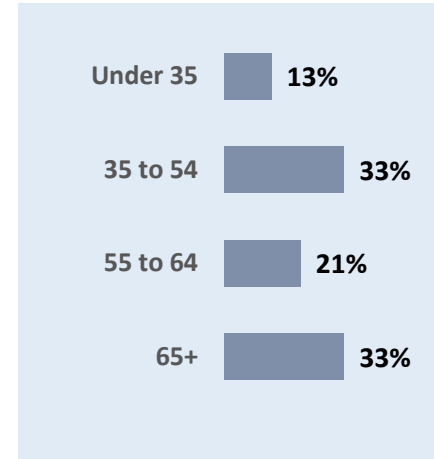
Male 94%
Female 6%

RESPONDENTS BY

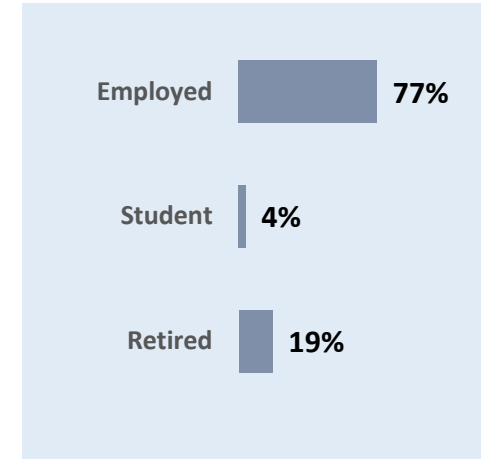
REGION



AGE



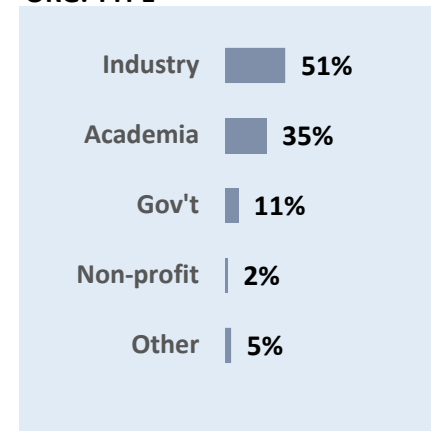
EMPLOYMENT STATUS



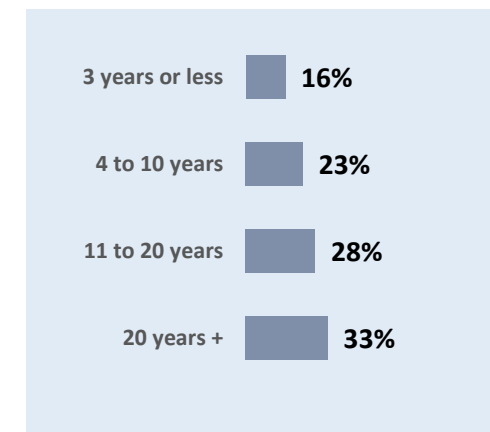
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From Conference Organizers, Track Leaders & Session Chairs?

- ❑ COVID-19 restrictions on face-to-face meetings hit this group particularly hard, driving all KPIs down compared to 2019.
 - ✓ *It was particularly challenging for volunteers with 11+ years of experience who had difficult time pivoting to virtual to keep their conferences going.*
- ❑ Not surprisingly, motivations to volunteer as Conference Organizers, Track Leaders & Session Chairs are very similar to those of Technical Divisions volunteers – they wish to network, collaborate with peers, keep current, and give back to the engineering community.
- ❑ Confidence in volunteer leadership is of paramount importance for this group and has the most significant impact on NPS. Communications received from ASME and satisfaction with the degree to which their voices are heard are also key drivers of NPS.
- ❑ While not the most significant driver of NPS, satisfaction with on-line tools is quite low among the Conference Organizers, Track Leaders & Session Chairs. In fact, it is the lowest across all ASME volunteer groups.

CONFERENCE ORGANIZERS, TRACK LEADERS & SESSION CHAIRS KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

87%

Change vs. prior reporting



-8%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

26



-11

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.





36%



-9%

In Line With Other Groups, Mid-career Volunteers Directionally Netted the Lowest NPS

(shows difference of $\geq \pm 5\%$)

	Under 35 [21*]	35 to 54 [55]	55 to 65 [34*]	65 or older [58]
VOLUNTEER SATISFACTION (VSAT)				
Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations	86%	78%	85%	91%
<i>Change vs. prior reporting</i>		 -14	 -10	 -7
NET PROMOTER SCORE (NPS)				
Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty	14	18	35	31
<i>Change vs. prior reporting</i>				 -25
COMPETITIVE POSITION (CP)				
Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.	60%	34%	32%	38%
<i>Change vs. prior reporting not available due to small bases</i>				

* Directional due to small base

International Volunteers Reported Directionally Higher KPIs

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Americas [144]

International [44*]

85%

93%

 -9

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

22

36

Change vs. prior reporting

 -11

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

32%

53%

Change vs. prior reporting not available due to small bases

* **Directional due to small base**

KPIs of Seasoned Volunteers With 11+ Year of Experience Dropped Notably

(shows difference of ≥+/-5% for the groups with sufficient base of respondents)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

<4 yrs [29*] 4 to 10 yrs [42*] 11 to 20 yrs [54] >20 yrs [64]

90% 93% 83% 84%

-12 -8

Change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

27 45 25 40

-18 -9

Change vs. prior reporting

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

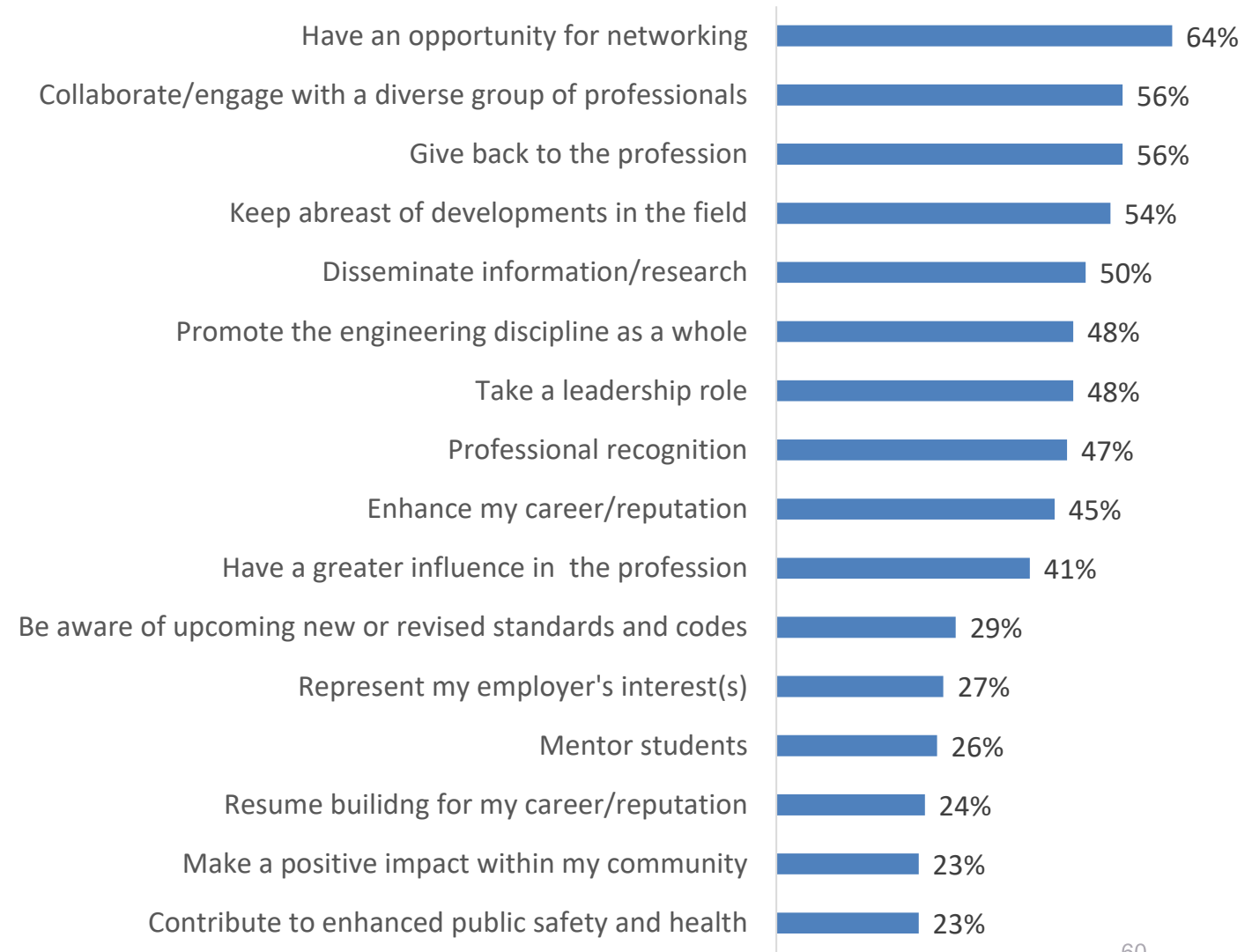
47% 56% 32% 43%

-16

* Directional due to small base

Main Reasons for Volunteering as Conference Organizers, Track Leaders or Session Chairs

Base: 203

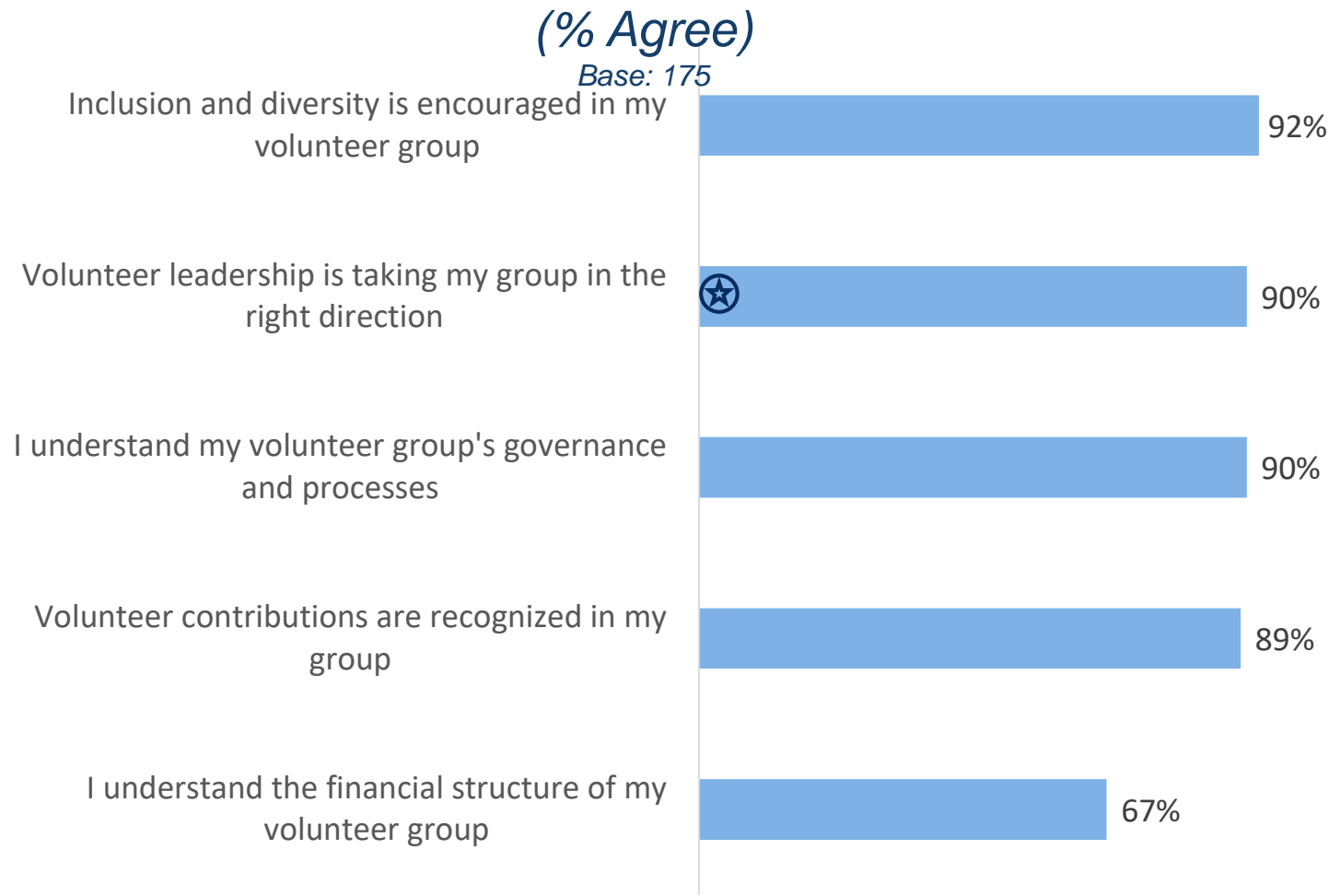


Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

Similar to Technical Division volunteers, peer networking and collaborating, keeping current, and giving back to the engineering community are the primary motivations for volunteering as Conference Organizers, Track Leaders and Session Chairs.

With the exception of understanding of the financial structure of their groups, Conference Organizers, Track Leaders and Session Chairs rate all strategic aspects of their volunteering experience quite positively.

Attitudes Regarding Strategic Aspects of Volunteering as Conference Organizers, Track Leaders & Session Chairs



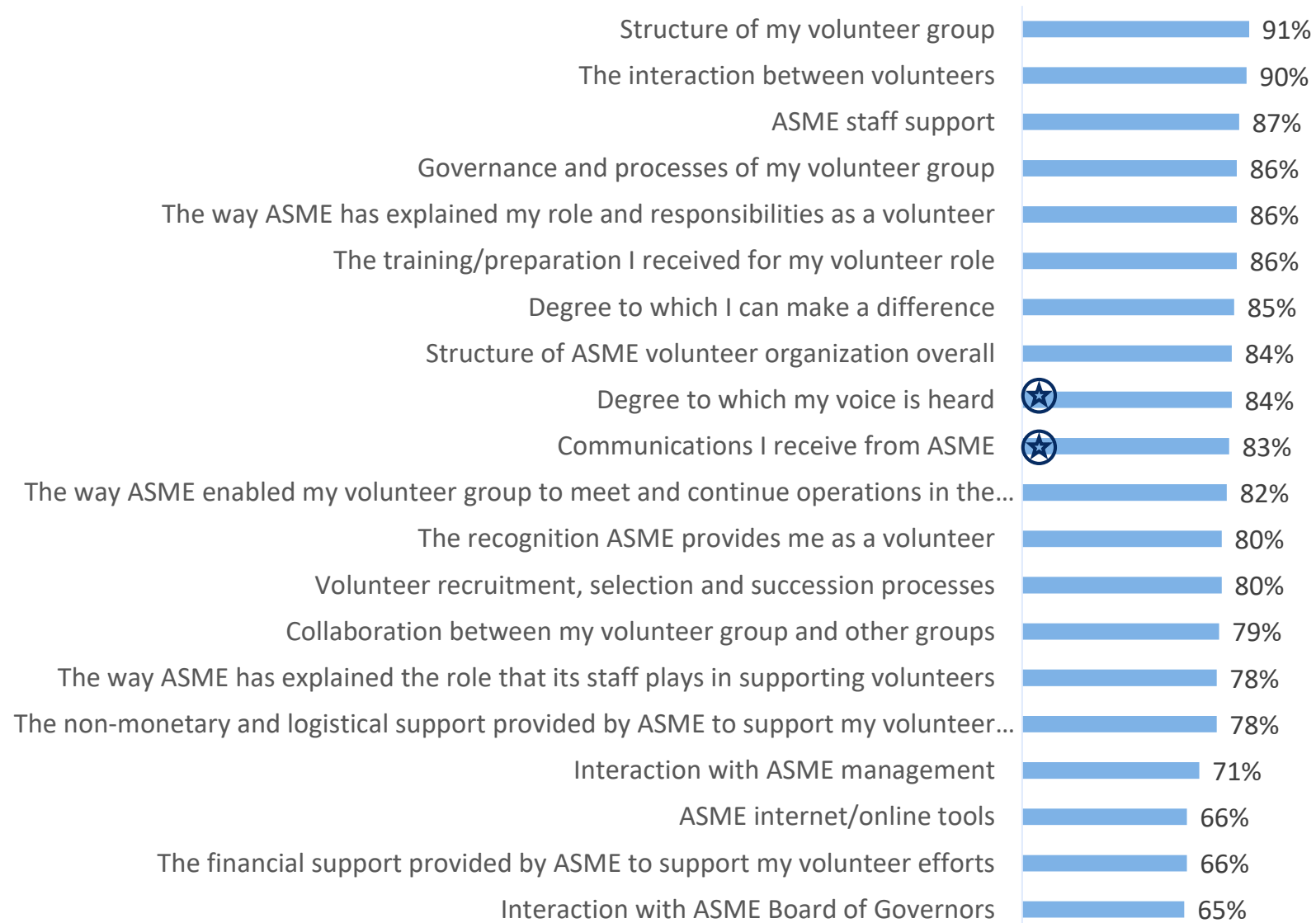
★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

ASME proprietary and confidential. Not for distribution

Satisfaction With Aspects of Volunteering Among Conference Organizers, Track Leaders & Session Chairs

Base: 144



Q. How satisfied are you with the following aspects of volunteering for ASME...?

ASME proprietary and confidential. Not for distribution

Satisfaction with their volunteer group's structure, interactions between volunteers and staff support were all rated high, but financial support, interaction with BoG and on-line tools, less so.

✓ *Satisfaction with the online tools is the lowest across all groups*

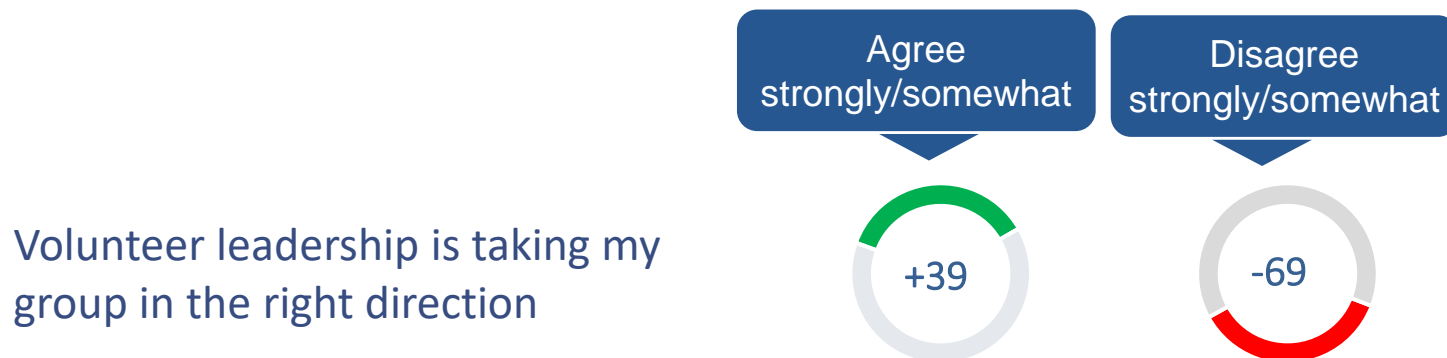
I know that ASME has put resources into improving the webtool we rely upon. However, more work needs to be done in order to get the webtool to be a strength rather than a weakness. - Mid-career volunteer from North America

★ *Key driver of NPS determined by multiple regression model against likelihood of recommendation*

Confidence in volunteer leadership is of paramount importance for this group. Communications received from ASME and satisfaction with the degree to which their voices are heard are also key drivers of NPS.

Key Drivers of Loyalty Among Conference Organizers, Track Leaders and Session Chairs

Impact of Volunteers Attitudes On NPS



Impact of Satisfaction with Aspects of their Engagements on NPS



**Drivers determined by multiple regression model against likelihood of recommendation*



May 2021

ASME SECD



RESPONDENTS PROFILE: SECD



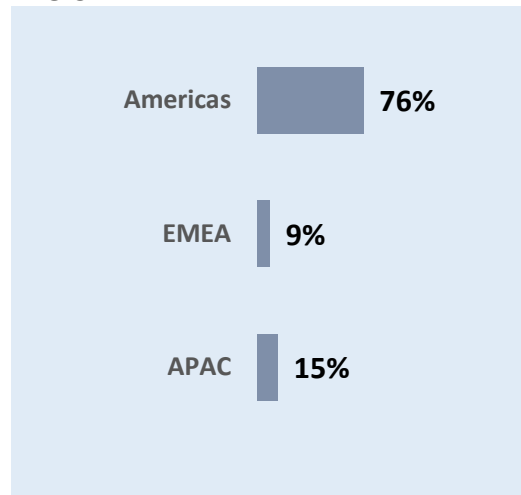
82 responses
from volunteers



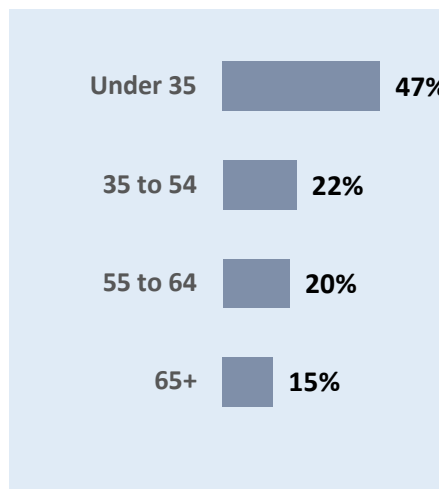
Male 88%
Female 12%

RESPONDENTS BY

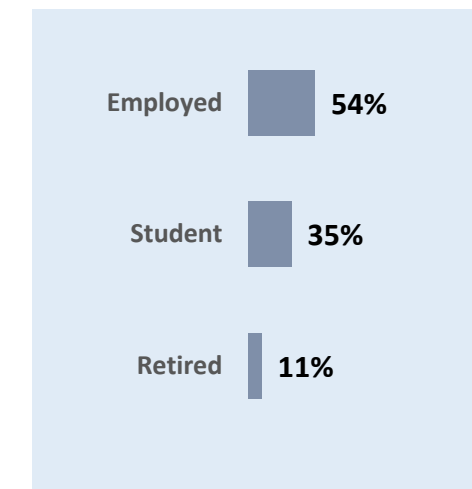
REGION



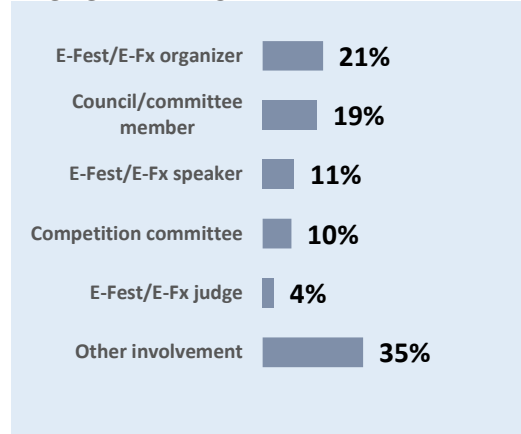
AGE



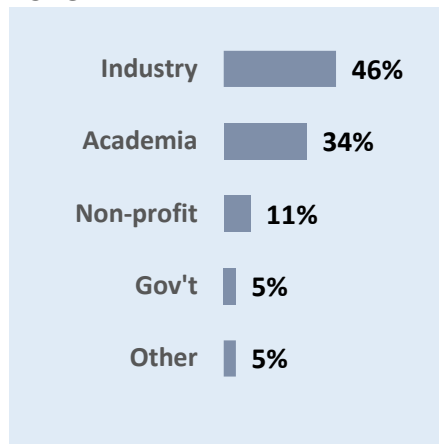
EMPLOYMENT STATUS



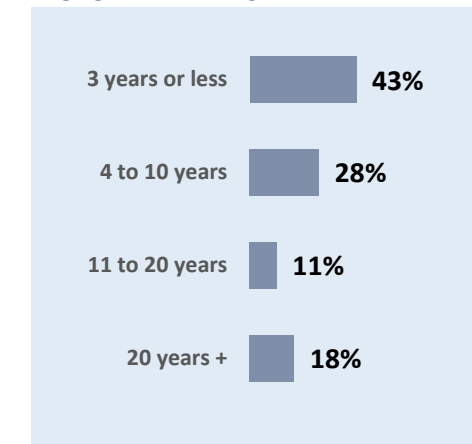
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From SECD Volunteers?

- ❑ SECD reported mixed KPIs this year.
 - ✓ *Satisfaction and Competitive Position both edged up, while NPS dropped (driven by lower scores from a handful of older volunteers). NPS of those 35 and younger remains exceptionally strong at +45.*

- ❑ Networking, collaboration and opportunity to promote engineering discipline, are the main reasons for volunteering with SECD.
 - ✓ *A very large number of volunteers say they spend too little time volunteering with ASME – the most across all volunteering groups.*

- ❑ Primary drivers of ASME loyalty among SECD volunteers include recognition, confidence in volunteer leadership and diversity and inclusion.
 - ✓ *Notably, SECD, S&C and Awards Committees are the only three groups where diversity issues have significant impact on loyalty.*

SECD VOLUNTEERS KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

96%

Change vs. prior reporting



+6%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

36



-8%

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.


55%



+5%

The Drop in NPS Is Driven by Older Volunteers

(shows difference of $\geq \pm 5\%$)

	Under 35 [31*]	35+ [34*]
VOLUNTEER SATISFACTION (VSAT) Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations	100%	91%
	<i>No change vs. prior reporting</i>	
NET PROMOTER SCORE (NPS) Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty	45	26
<i>Change vs. prior reporting</i>		 -21
COMPETITIVE POSITION (CP) Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.	67%	50%
	<i>Change vs. prior reporting not available due to small bases</i>	

* Directional due to small base

Directionally, International Volunteers Reported Higher KPIs

(shows difference of $\geq \pm 5\%$)

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

Americas [54]

EMEA/APAC [17*]

94%

100%

No change vs. prior reporting

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

31

53

Change vs. prior reporting

 -10

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among those who volunteer with other organizations.

47%

80%

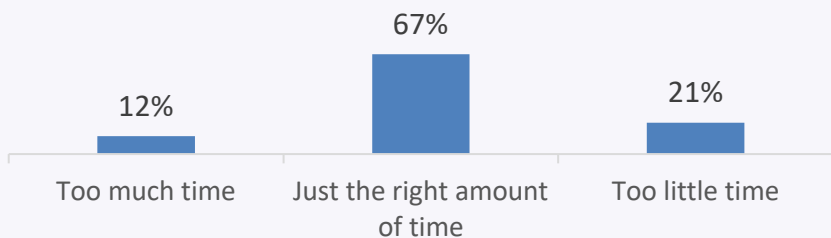
Change vs. prior reporting not available due to small bases

* Directional due to small base

Networking, collaboration and opportunity to promote engineering discipline, are the main reasons for volunteering with SECD.

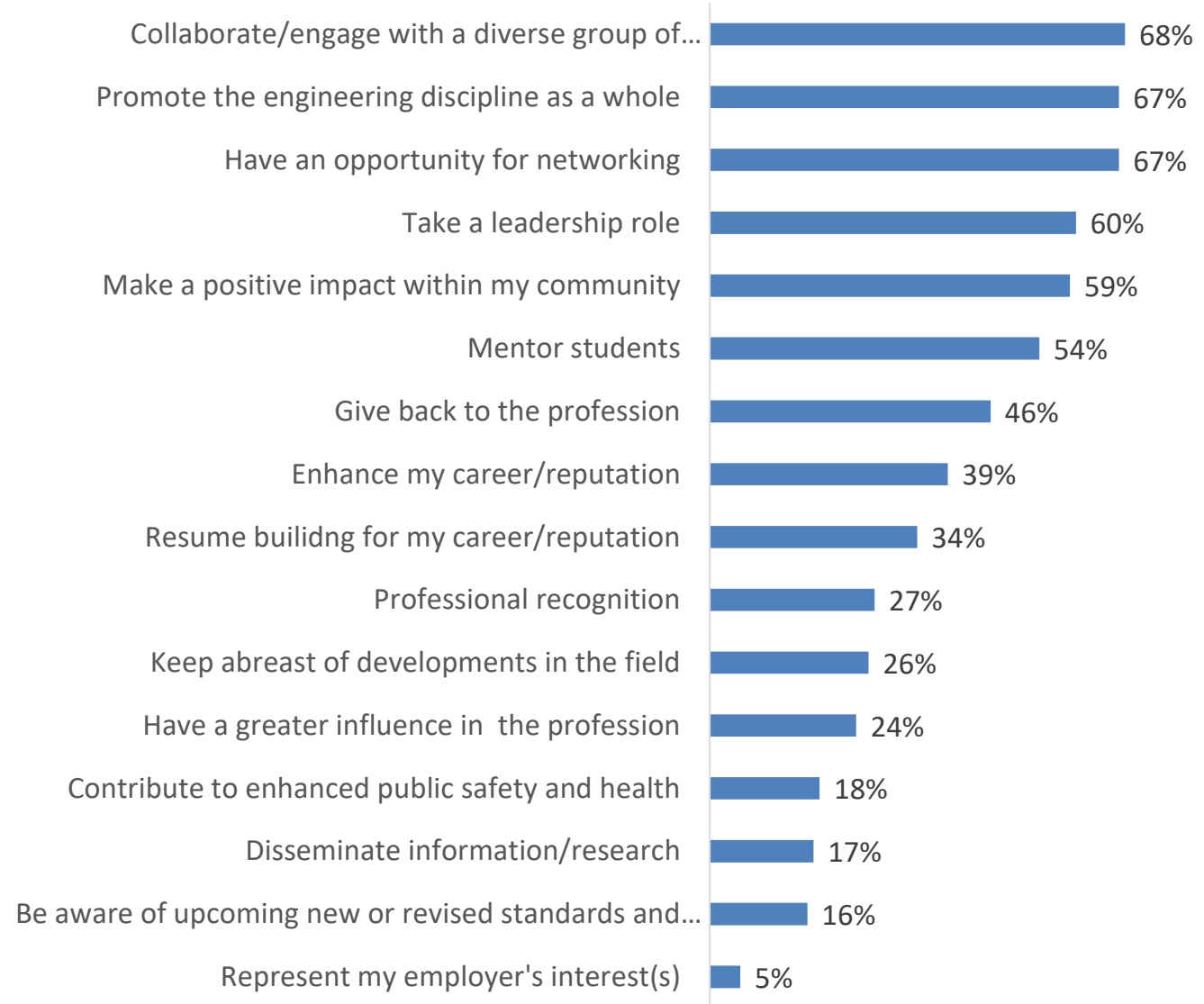
A very large number of volunteers say they can spend too little time volunteering with ASME – the most across all volunteering groups.

Time Spent Volunteering with SECD



Main Reasons for Volunteering with SECD

Base: 82

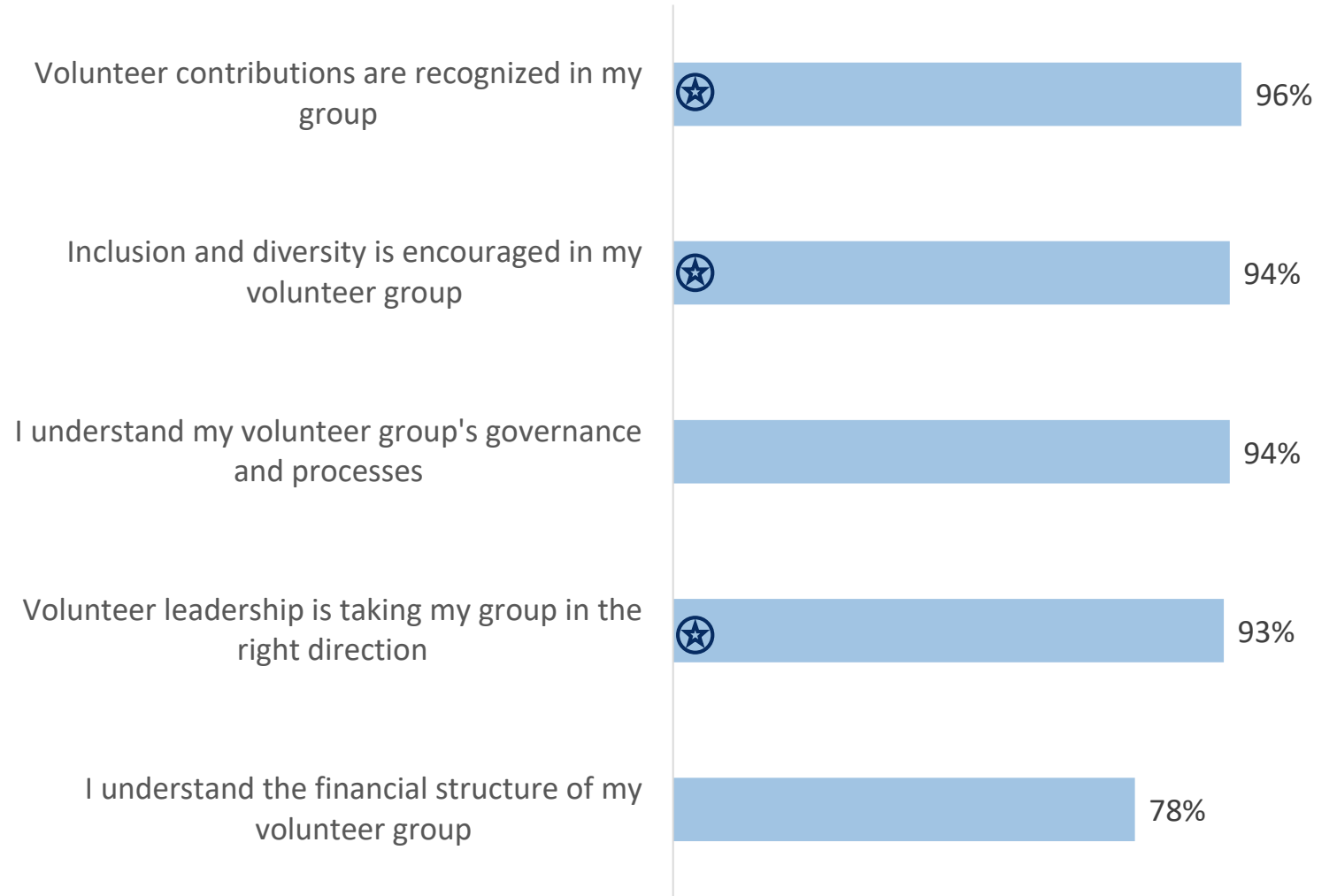


Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

With the exception of understanding of the financial structure of their groups, SECD volunteers rate all strategic aspects of their volunteering experience quite high.

Attitudes Regarding Strategic Aspects of Volunteering with SECD (% Agree)

Base: 67



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

Primary drivers of ASME loyalty among SECD volunteers include confidence in leadership, recognition they receive, and diversity and inclusion.

✓ *In fact, SECD, S&C and Awards Committees are the only three groups where diversity issues have significant impact on loyalty.*

Impact of SECD Volunteers Attitudes on NPS



*Drivers determined by multiple regression model against likelihood of recommendation

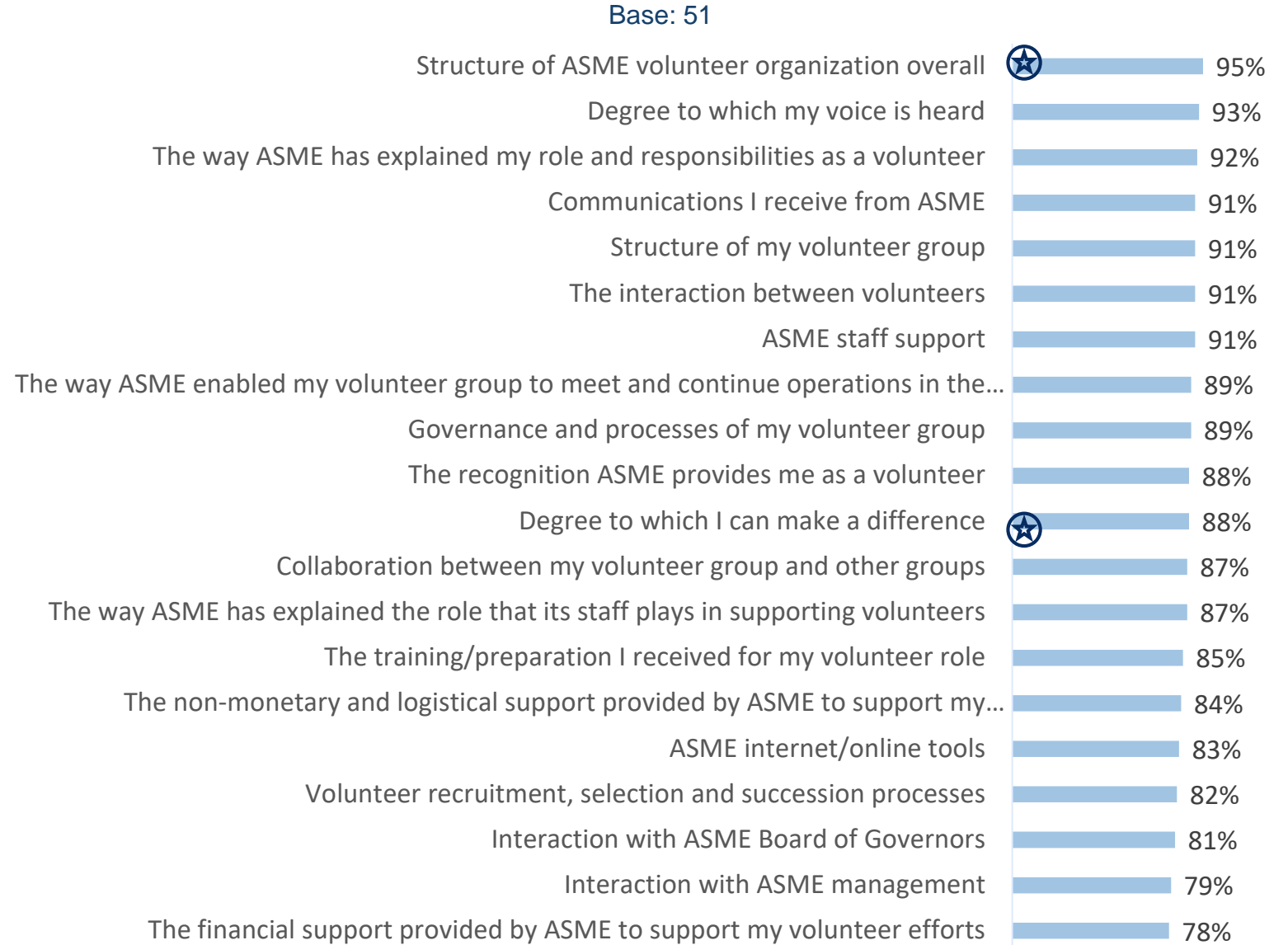
SECD volunteers are highly particularly satisfied with the overall structure of the volunteer organization.

Financial support, interaction with ASME management and BoG received much lower marks.

These events are great but could be so much better with more funding and staff engagement. In particular, there needs to be more emphasis on how these student members can bridge the gap and remain active as volunteers post graduation. - Later career SECD Volunteer

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

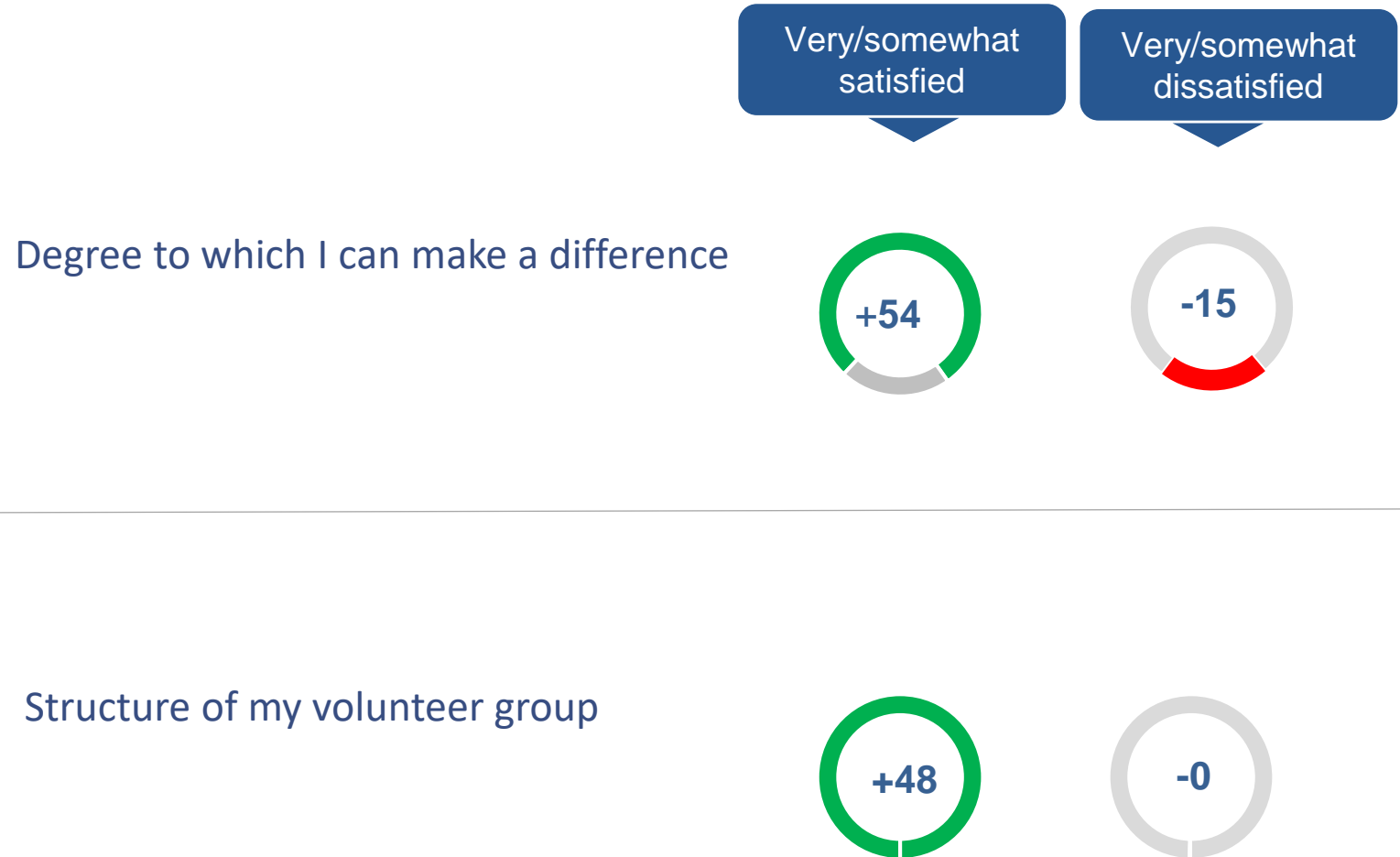
Satisfaction with Aspects of Volunteering Among SECD Volunteers



Satisfaction with the degree to which they can make a difference and structure of the SECD volunteer group are significant drivers of NPS for SECD volunteers.

✓ *Notably, SECD is the only group where degree to which they can make a difference matters significantly.*

Impact SECD Volunteers Satisfaction with their Engagements on NPS



*Drivers determined by multiple regression model against likelihood of recommendation



May 2021

ASME Journal Editors, Associate Editors & Reviewers



RESPONDENTS PROFILE: JOURNAL EDITORS, ASSOCIATE EDITORS & REVIEWERS



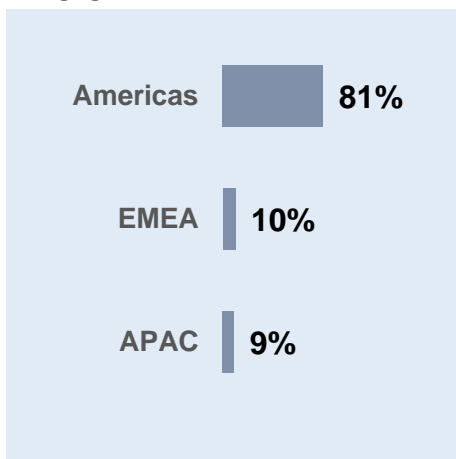
88 responses
from volunteers



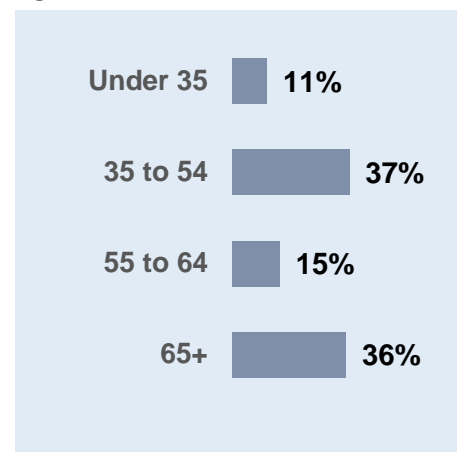
Male 97%
Female 3%

RESPONDENTS BY

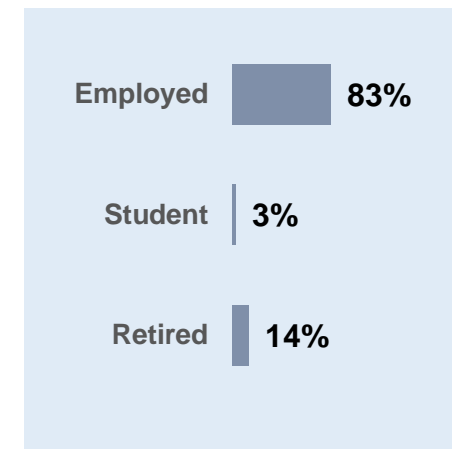
REGION



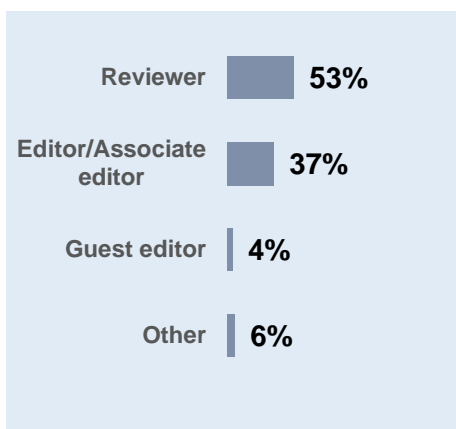
AGE



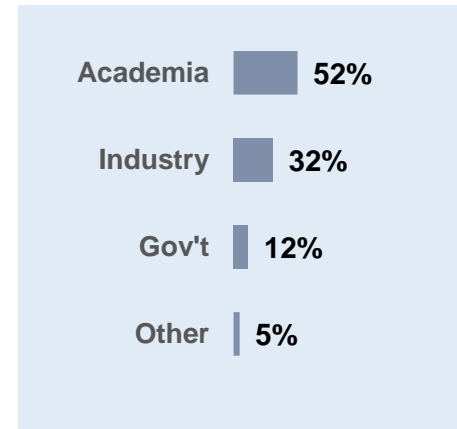
EMPLOYMENT STATUS



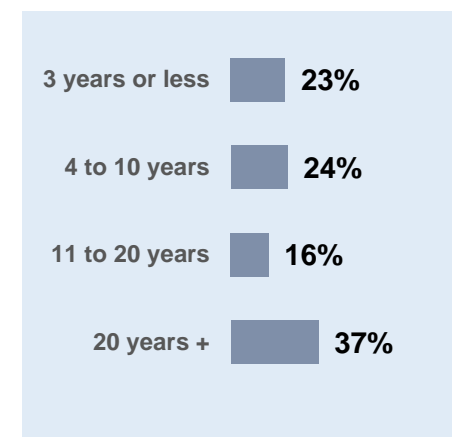
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From Journal Editors, Associate Editors & Reviewers?

- ❑ Similar to the feedback we received from authors in related research, the new virtual environment has heightened the role of working on journals for networking and collaboration.
 - ✓ *In fact, collaboration and networking, along with opportunities to give back to the profession and disseminate research were the primary reasons for volunteering as an editor or a reviewer.*

- ❑ However, limited opportunities to present papers in person amplified the need for timely reviews and heightened the need for state-of-the-art journal tools, leading to a drop in KPIs due to low satisfaction with ASME tools.

- ❑ Confidence in volunteer leadership and the financial support provided for their efforts are the two main drivers of NPS among ASME Journal Editors & Reviewers.
 - ✓ *Journal Editors & Reviewers and PAO are the only two groups where financial support has a significant impact on loyalty.*

JOURNAL EDITORS, ASSOCIATE EDITORS & REVIEWERS KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

91%

Change vs. prior reporting



-5%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

20



-9%

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

33%



-7%

Main reasons for Volunteering as Journal Editor, Associate Editor or Reviewer

Base: 88



COVID-19 amplified the importance of working on journals as a networking opportunity for volunteers. As such, networking and collaboration, along with the opportunities to give back to the profession and disseminate research, were named as the main reasons for volunteering as an editor or a reviewer.

Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

Most Journal Editors & Reviewers agree that their contributions are recognized, have confidence in volunteer leadership, and have a good grasp of their group's governance and processes.

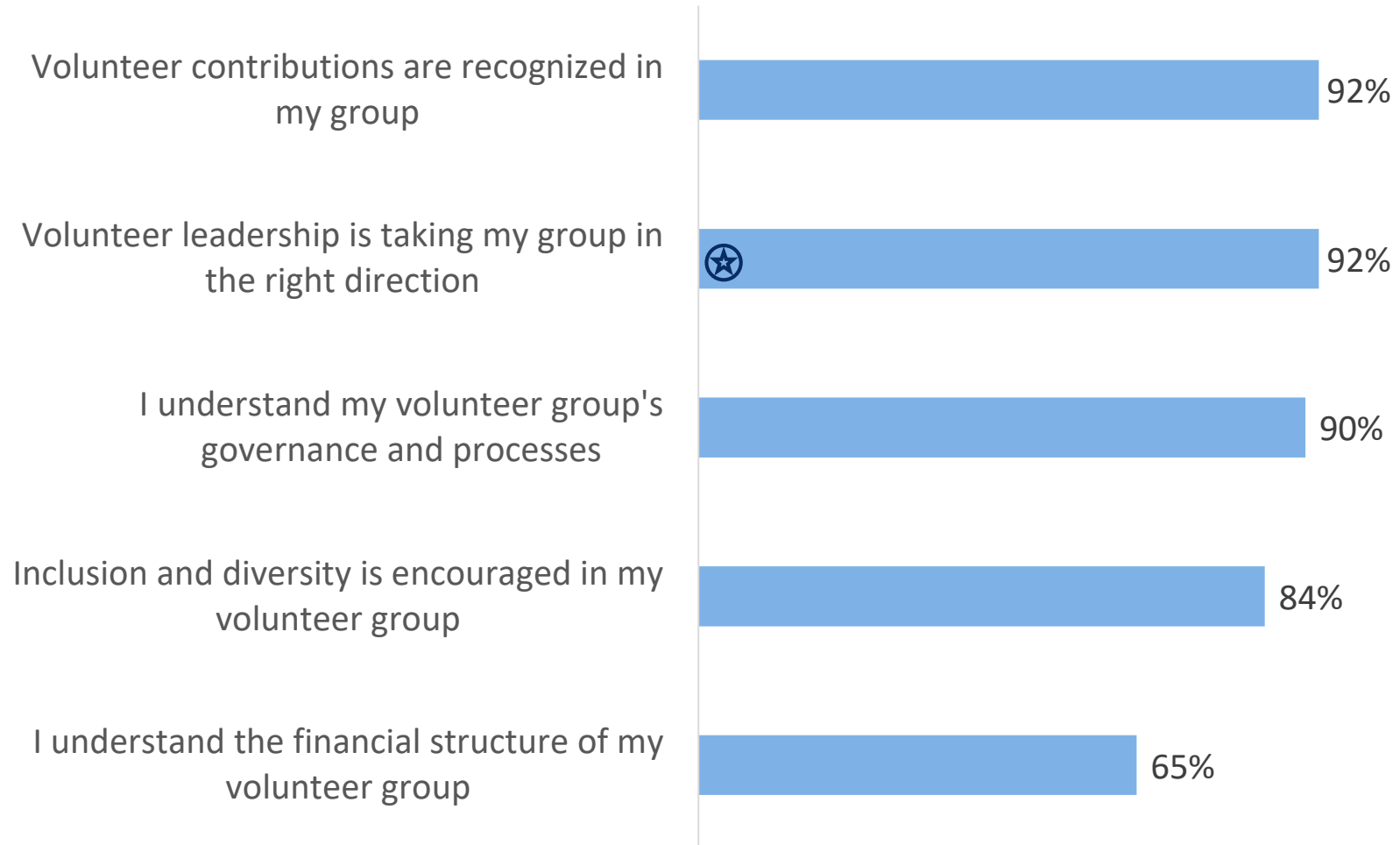
✓ *Fewer agree that diversity and inclusion is encouraged or believe they have insights into group financials.*

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Attitudes Regarding Strategic Aspects of Volunteering as Journal Editor, Associate Editor or Reviewer (% Agree)

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Base: 70



80

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

ASME proprietary and confidential. Not for distribution

Journal Editors & Reviewers are less satisfied with most aspects of their volunteering experience compared to other groups.

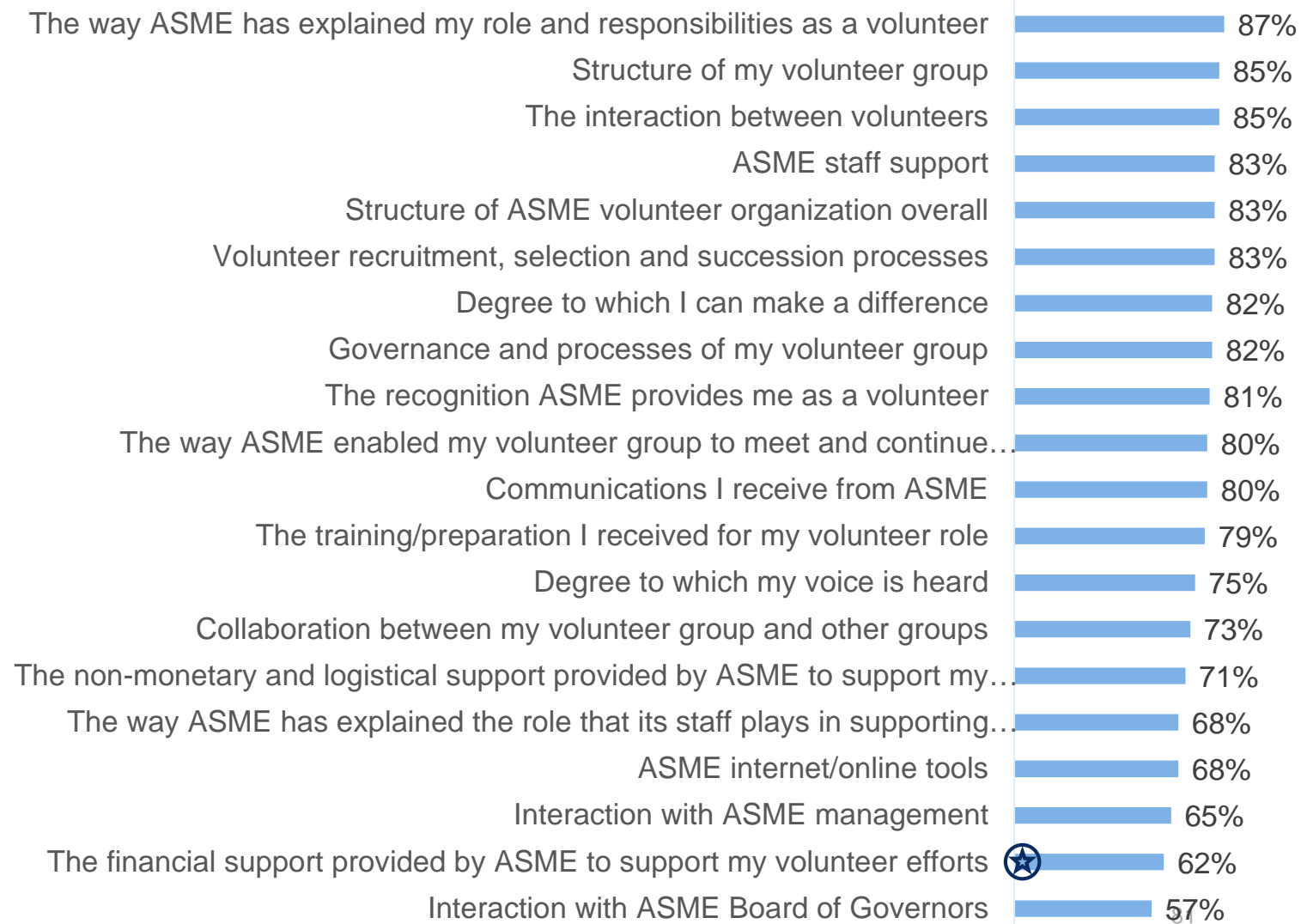
Nearly half said that they are dissatisfied with the financial support provided for their efforts, which is one of the main drivers of NPS for this group.

✓ *Satisfaction with on-line tools is one of the lowest overall and difficulties in using the journal tool were commonly cited.*

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Satisfaction with Aspects of Volunteering Among Journal Editors, Associate Editors & Reviewers

Base: 54



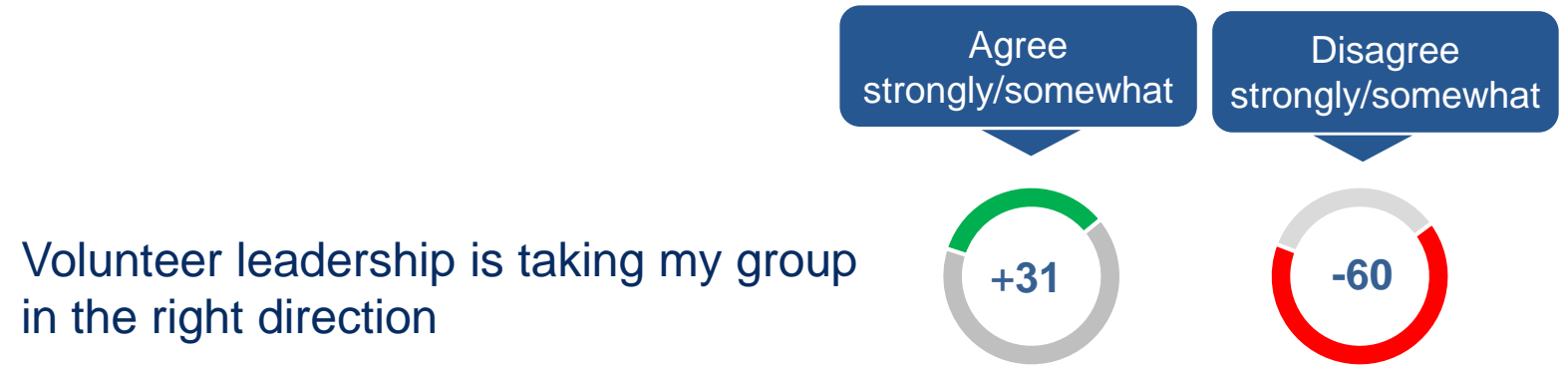
Confidence in volunteer leadership and financial support provided for their efforts are the two main drivers of NPS among ASME Journal Editors & Reviewers.

✓ *Notably, this is the only group with statistically-relevant response base where financial support correlates with loyalty.*

“This is high impact, but ASME doesn't support the journals well. The publication is too slow after the paper has been accepted. The paper system isn't the easiest to use and not assist well in the editorial process.” – Journal editor/reviewer from North America

Impact of Attitudes and Satisfaction with their Engagements on NPS

Impact Of Editors & Reviewers Attitudes On NPS



Impact of Satisfaction with Aspects of their Engagements on NPS





May 2021

ASME BoG Committees



RESPONDENTS PROFILE: BoG COMMITTEES



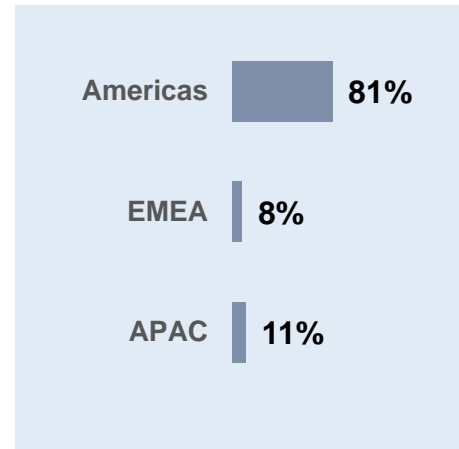
54 responses
from volunteers



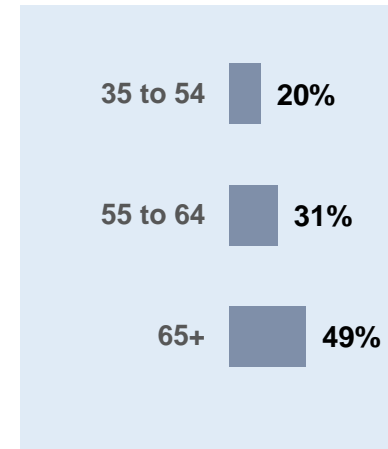
Male 85%
Female 15%

RESPONDENTS BY

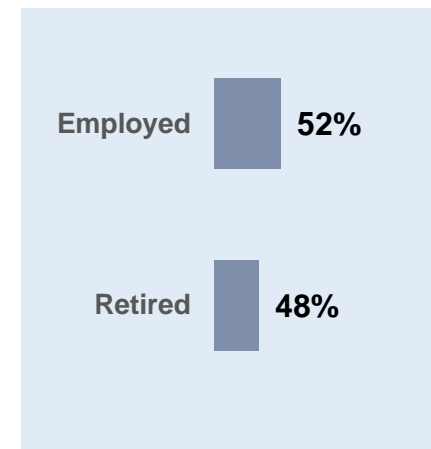
REGION



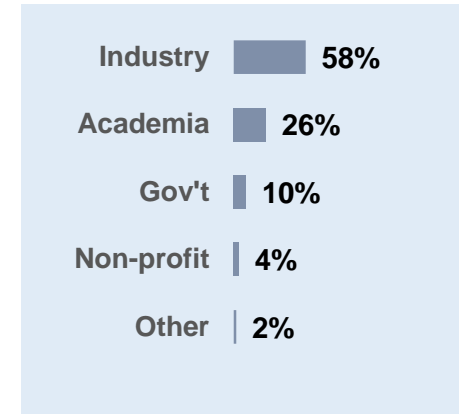
AGE



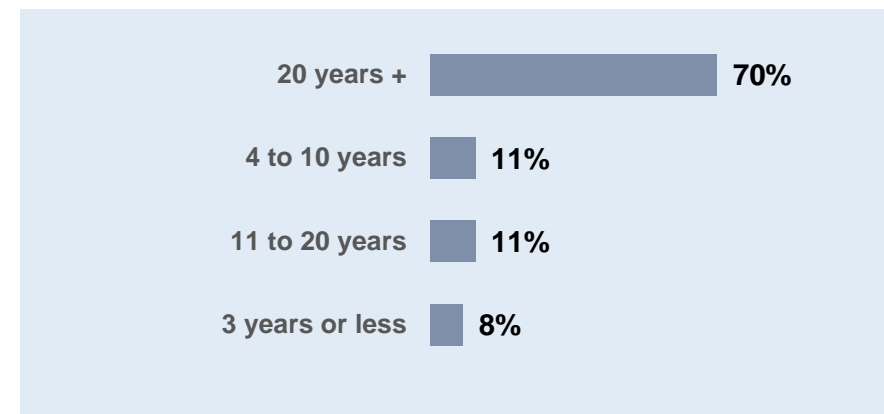
EMPLOYMENT STATUS



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From BoG Committees Volunteers?

- ❑ Collaboration, opportunities to give back to the profession, and taking a leadership role are the main reasons for volunteering on BoG Committees.
- ❑ This year, BoG Committees volunteers gave high marks regarding most aspects of their volunteering experience as reflected in stellar KPIs, with both satisfaction and NPS significantly higher than in 2019.
 - ✓ *Similar to BoG, the recruitment, selection and succession processes received the lowest marks.*
- ❑ Confidence in volunteer leadership and satisfaction with staff support are the two main drivers of NPS among BoG Committee volunteers.

“There are greater opportunities for learning new skills, new information and networking provided by ASME⁸⁵ than any other organization that I have encountered.” – BoG Committee volunteer

BoG COMMITTEES VOLUNTEERS KPIS: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

98%

Change vs. prior reporting



+8%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

40



+13%

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

48%



+2%

Collaboration, opportunities to give back to the profession, and taking a leadership role are the main reasons for volunteering on BoG Committees.

“Engagement at the BoG Committee level provides an opportunity to lead the Society in a new direction.” – Later career BoG Committee volunteer

Main Reasons for Volunteering on BoG Committee

Base: 54

Agenda Appendix 2.4
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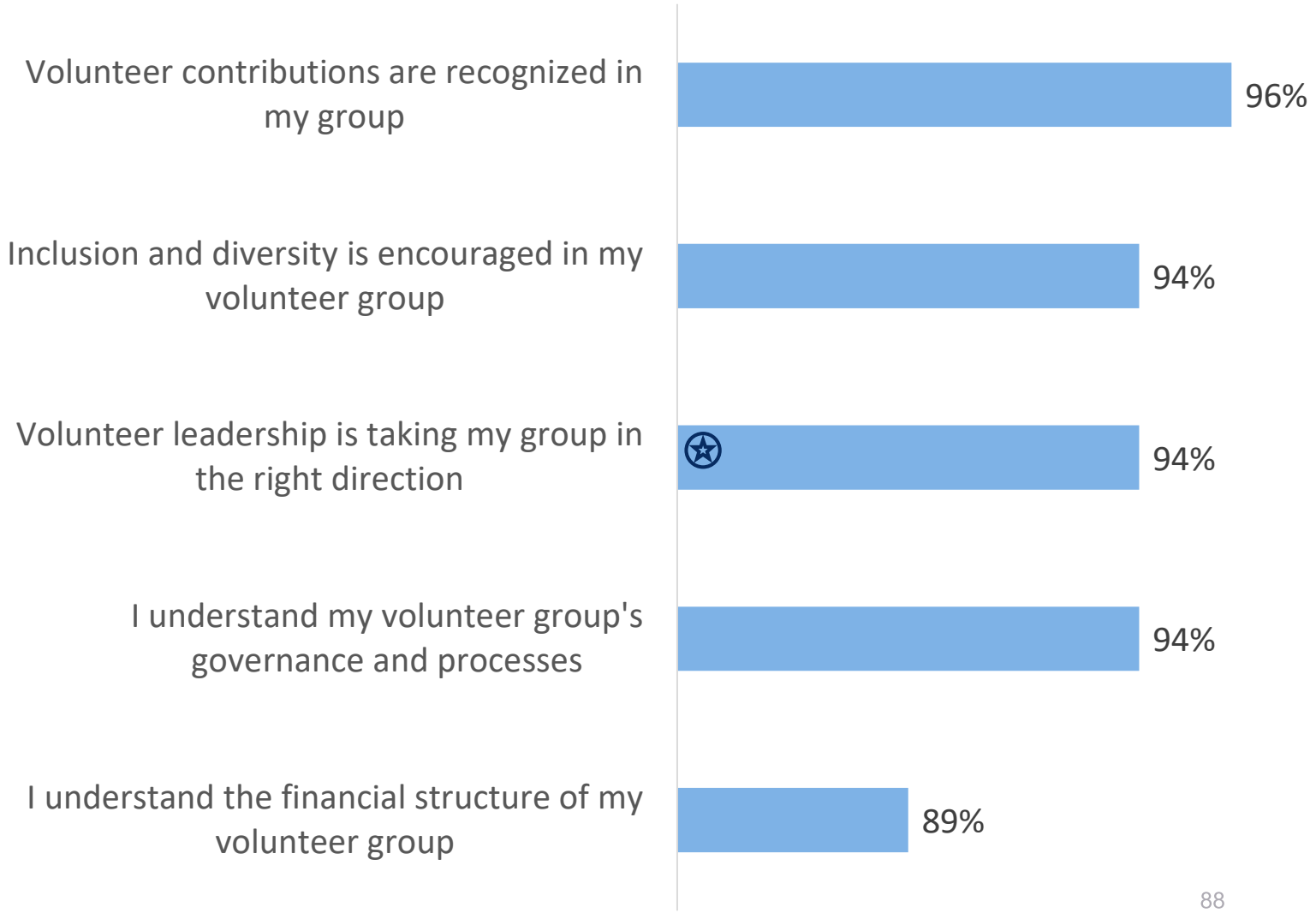
Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

BoG Committees volunteers gave us high marks regarding strategic aspects of their experience.

✓ *Several volunteers admitted they do not have a good understanding of the financial structure of the group.*

Attitudes Regarding Strategic Aspects of Volunteering on BoG Committee (% Agree)

Base: 49



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Overwhelming majority of the BoG Committees volunteers are satisfied with how their groups are structured and how they interact with each other.

✓ *Similar to BoG, the recruitment, selection and succession processes received the lowest marks*

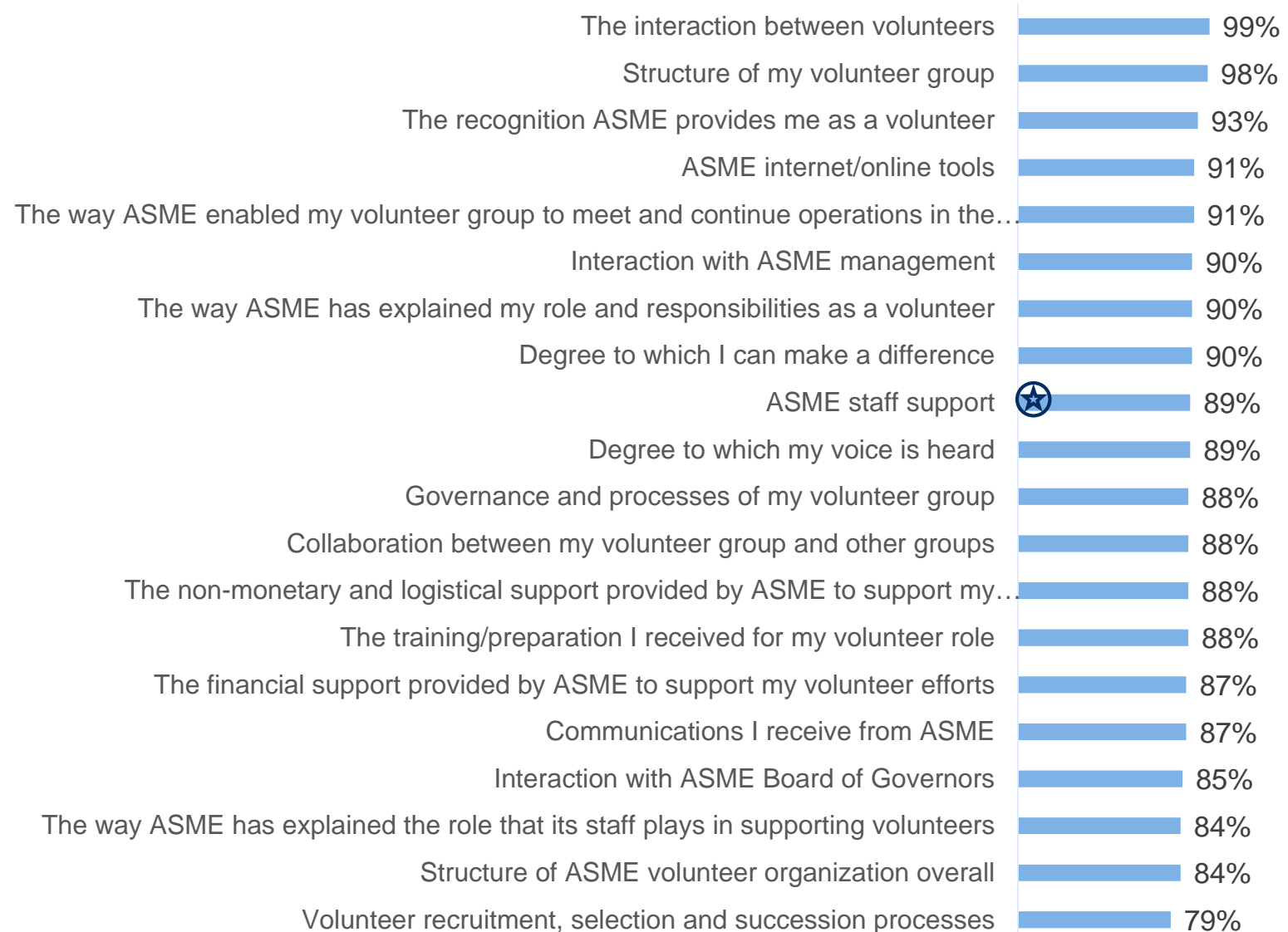
“When I was asked to be a part of this effort, I was told of the significant time demands in a clear fashion. This effort is staffed with excellent people and our direct ASME contact is efficient, forthright, and I trust his integrity.” – BoG Committee volunteers

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Satisfaction with Aspects of Volunteering on BoG Committee

Base:42

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89

Q. How satisfied are you with the following aspects of volunteering for ASME....?

ASME proprietary and confidential. Not for distribution

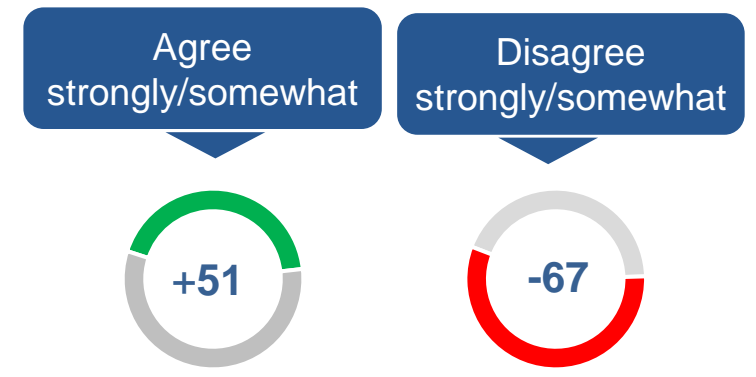
Confidence in volunteer leadership and satisfaction with staff support are the two main drivers of NPS among BoG Committee volunteers

“I believe my ASME volunteer engagements, over more than four decades, broadened and enhanced my professional experiences and career achievements in a manner that was not imagined by me, nor was it possible with any other organization.” – BoG Committee volunteer .

Impact of BoG Committees Volunteers Attitudes and Satisfaction with their Engagements on NPS

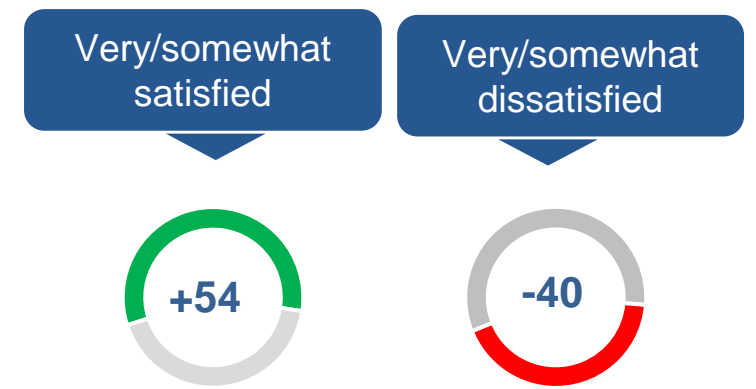
Impact of BoG Committees Volunteers Attitudes On NPS

Volunteer leadership is taking my group in the right direction



Impact of Satisfaction with Aspects of their Engagements on NPS

ASME staff support



*Drivers determined by multiple regression model against likelihood of recommendation



May 2021

ASME Award Committees



RESPONDENTS PROFILE: AWARDS COMMITTEES

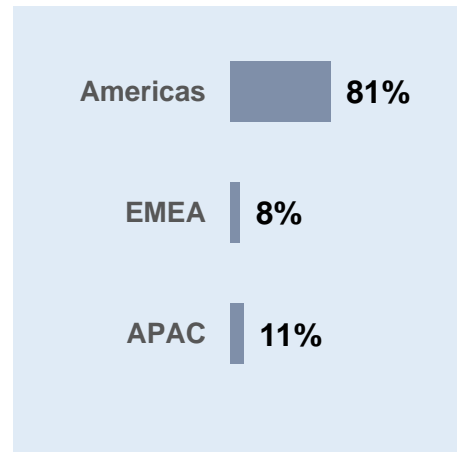


61 responses
from volunteers



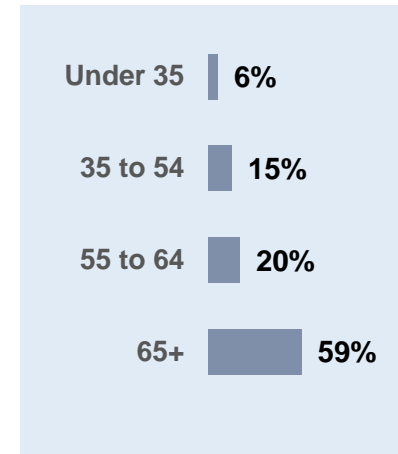
Male 84%
Female 16%

REGION

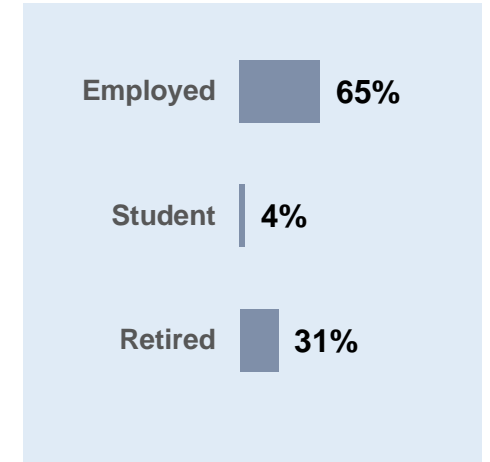


RESPONDENTS BY AGE

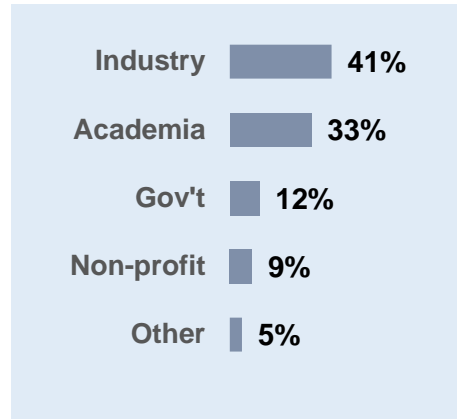
AGE



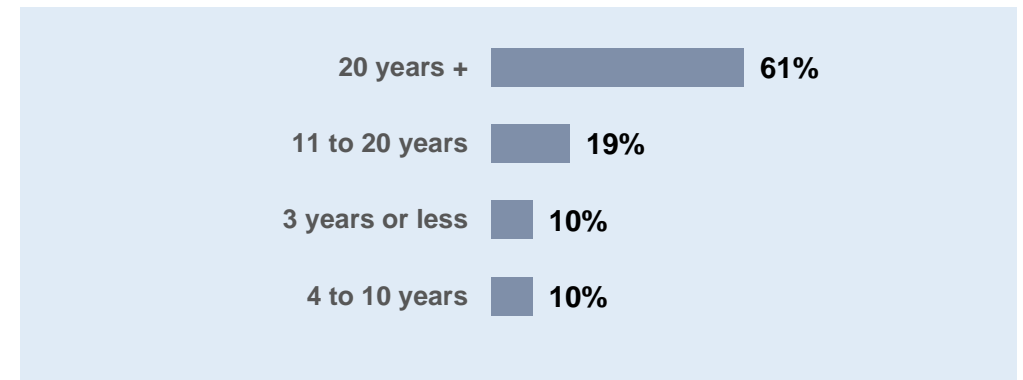
EMPLOYMENT STATUS



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From Awards Committees Volunteers?

- ❑ While base of responses is relatively small, ASME Awards Committee volunteers reported significant drop in Satisfaction and NPS this year.
 - ✓ *In fact, both Satisfaction and NPS are among the lowest across all volunteer groups.*
- ❑ Diversity and inclusion issues, confidence in volunteer leadership and recognition ASME provides them as volunteers are the key drivers of loyalty among Awards Committee volunteers
 - ✓ *Notably, this is the only group where recognition from ASME (rather than from their volunteer group) matters greatly.*
- ❑ Nevertheless, Award Committees volunteers report very high satisfaction with the way ASME enabled their operations in the virtual environment, how staff supported them and the communications they received.

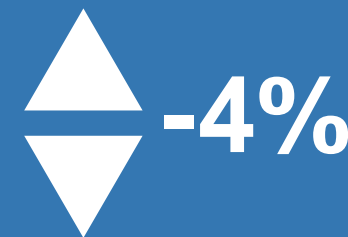
AWARDS COMMITTEES VOLUNTEERS KPIs: HOW DID WE DO OVERALL

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

88%

Change vs. prior reporting



NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

20



COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

49%



Networking, collaboration and opportunities to give back to the profession are the main reasons for volunteering with Awards Committees.

Main Reasons for Volunteering with Awards Committees

Base: 61



Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

Award Committees volunteers gave us the highest marks on diversity and inclusion efforts and understanding of the group's governance and processes.

✓ *Understanding of the financial structure of the group was rated the lowest.*

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Attitudes Regarding Strategic Aspects of Volunteering with ASME Award Committees (% Agree)

Base: 50



Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

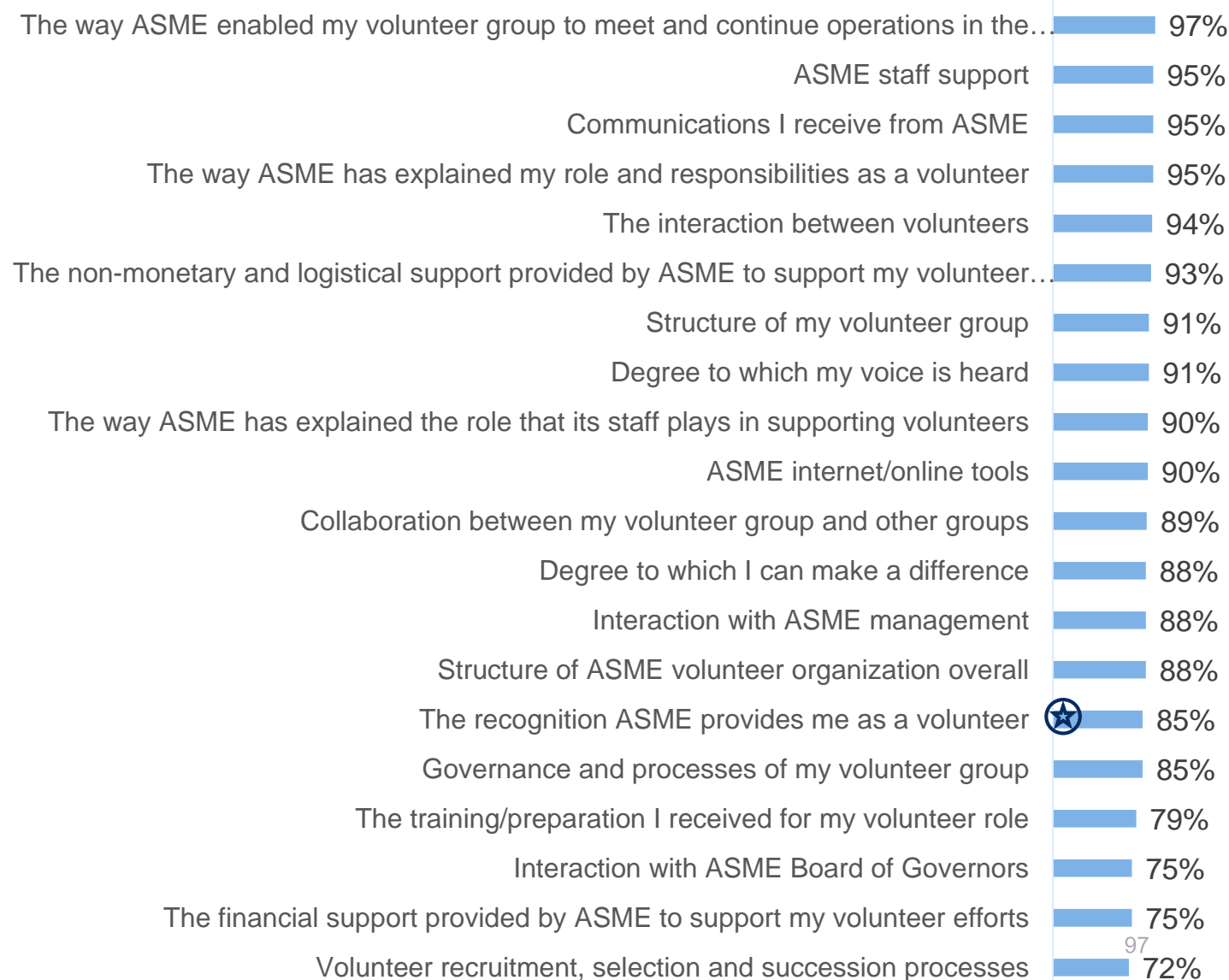
Awards Committees volunteers were most satisfied with the way we enabled their operations in the virtual environment, how staff supported them, and communications they received.

✓ *Unfortunately, some of the volunteers were dissatisfied with the recognition they received, contributing to a drop in KPIs.*

Satisfaction with Aspects of Volunteering with Awards Committees

Base:42

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★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. How satisfied are you with the following aspects of volunteering for ASME...?

Diversity and inclusion issues, confidence in volunteer leadership and recognition ASME provides them as volunteers are the key drivers of loyalty among Awards Committees volunteers

✓ *Notably, this is the only group where recognition from ASME (rather than from their volunteer group) matters greatly.*

Impact of Attitudes and Satisfaction of the Awards Committees Volunteers with Their Engagements on NPS

Impact of Awards Committees Volunteers Attitudes On NPS



Impact of Award Committee Volunteers Attitudes On NPS



*Drivers determined by multiple regression model against likelihood of recommendation



DIRECTIONAL FINDINGS FOR VOLUNTEER GROUPS WITH
LESS THAN 50 RESPONSES



May 2021

ASME Member Development & Engagement

*ALL FINDINGS ARE
DIRECTIONAL DUE TO
SMALL BASE*



RESPONDENTS PROFILE: MEMBER DEVELOPMENT & ENGAGEMENT



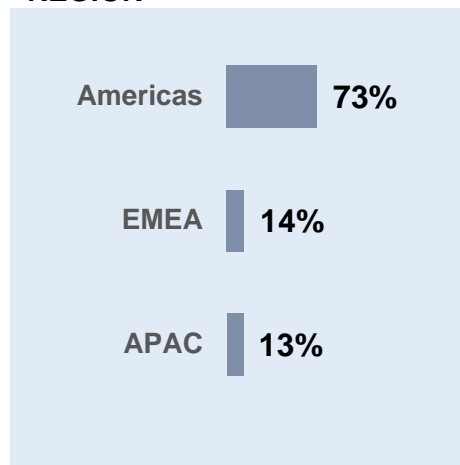
44 responses
from volunteers



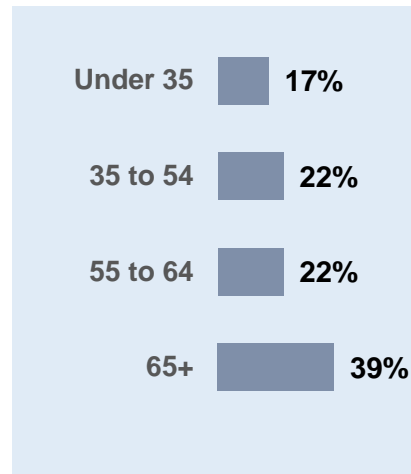
Male 80%
Female 20%

RESPONDENTS BY

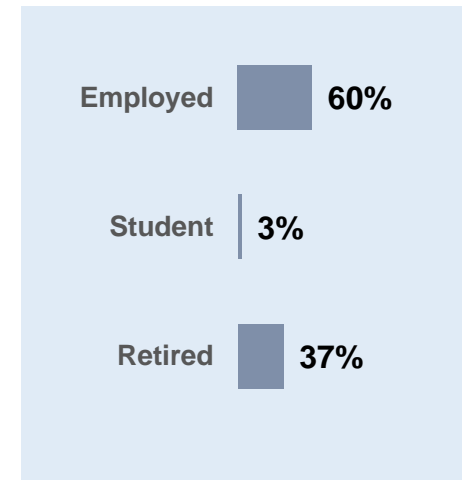
REGION



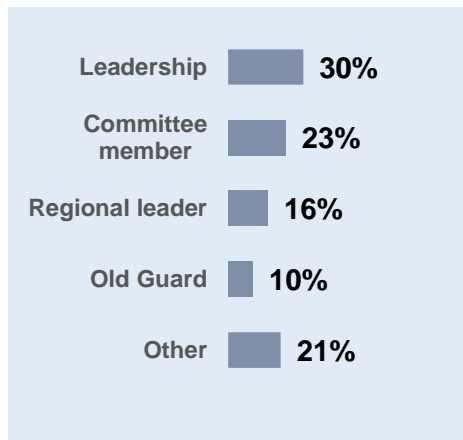
AGE



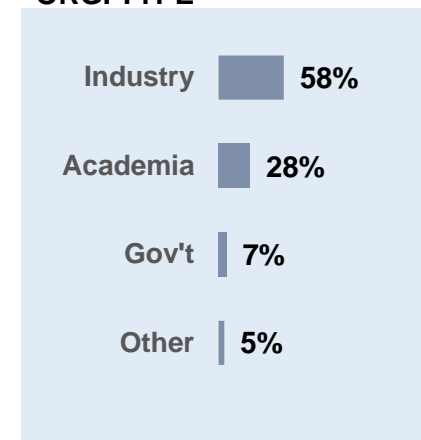
EMPLOYMENT STATUS



ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From MDE Volunteers?

- ❑ Giving back to the profession, promoting engineering discipline, collaboration and networking are the main motivations for volunteering with MDE.
 - ✓ *More than half are also attracted by an opportunity to take a leadership role.*

- ❑ This new group is clearly very excited and enthusiastic about their efforts, as they reported the second highest NPS score of +50, rivaling only BoG and Competitive Position of 55%, also only behind BoG and on-par with PAO

- ❑ Confidence in volunteer leadership and recognition of their efforts are the primary drivers of ASME loyalty among MDE volunteers – which were both rated very high contributing to high NPS reported by this group.
 - ✓ *Not surprisingly, satisfaction with the structure of volunteer organization and their group also have significant impact on NPS.*

“The volunteer leadership team, with the assistance of ASME staff, is taking the MDE sector in the right direction.” – MDE volunteers

MEMBER DEVELOPMENT & ENGAGEMENT KPIs: HOW DID WE DO OVERALL

ALL FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

93%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

50

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

52%

Giving back to the profession, promoting the engineering discipline, collaboration and networking are the main motivations for volunteering with MDE.

More than half are also attracted by an opportunity to take a leadership role.

Main Reasons for Volunteering with MDE

All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE Agenda Appendix 2.4
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Majority of the MDE volunteers expressed confidence in volunteer leadership, said their group encourages diversity and inclusion and recognizes volunteers' contributions.

✓ However, some don't have a full grasp of their group's governance, processes or financial structure.

Attitudes Regarding Strategic Aspects of Volunteering with MDE (% Agree)

Base: 41

All findings are directional due to small base



105

Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

ASME proprietary and confidential. Not for distribution

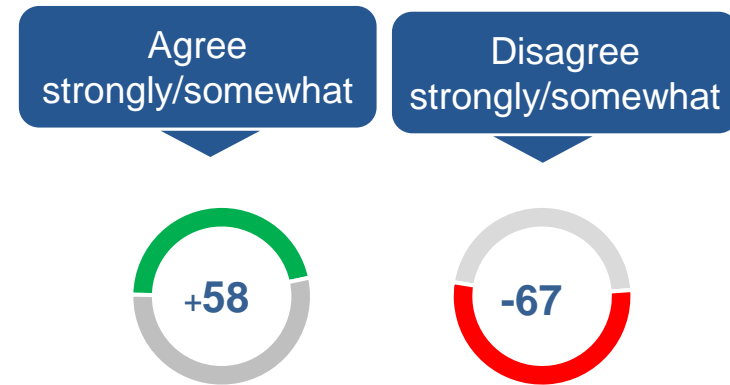
★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Impact of MDE Volunteers Attitudes On NPS

Confidence in leadership and recognition of their efforts are the primary drivers of ASME loyalty among MDE volunteers – which were both rated very high contributing to high NPS reported by this groups.

“It is important for the MDE Sector to have new blood and fresh ideas in supporting members and the sections.” – Mid-career MDE volunteers from APAC

Volunteer leadership is taking my group in the right direction



Volunteer contributions are recognized in my group



**Drivers determined by multiple regression model against likelihood of recommendation*

106

ALL FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE

MDE volunteers reported the highest satisfaction with the impact of their efforts and logistical support from ASME.

Interactions with BoG, financial support and internet/online tools were rated the lowest.

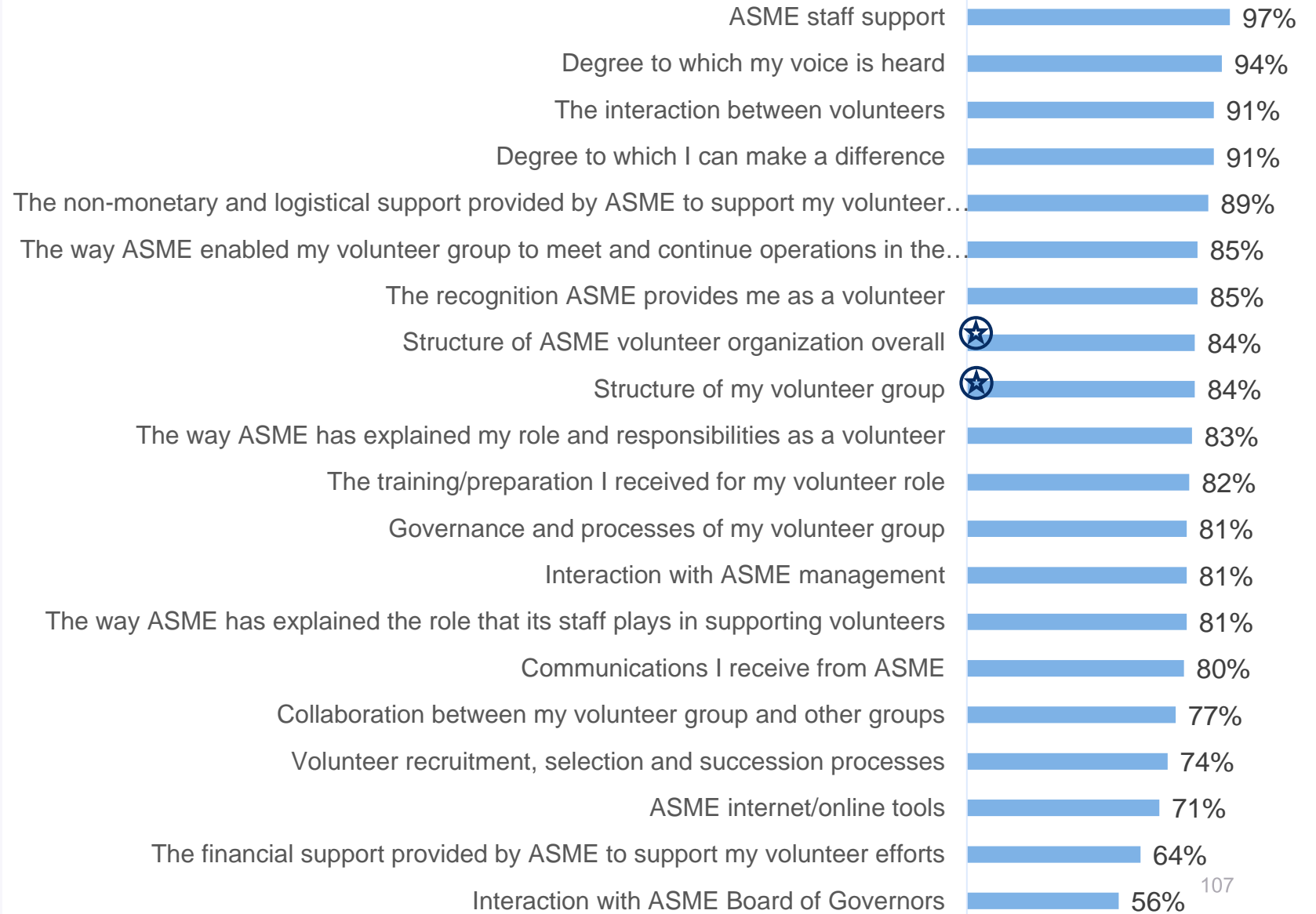
Satisfaction with Aspects of Volunteering with MDE

Base: 36

Agenda Appendix 2.4

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All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. How satisfied are you with the following aspects of volunteering for ASME...?

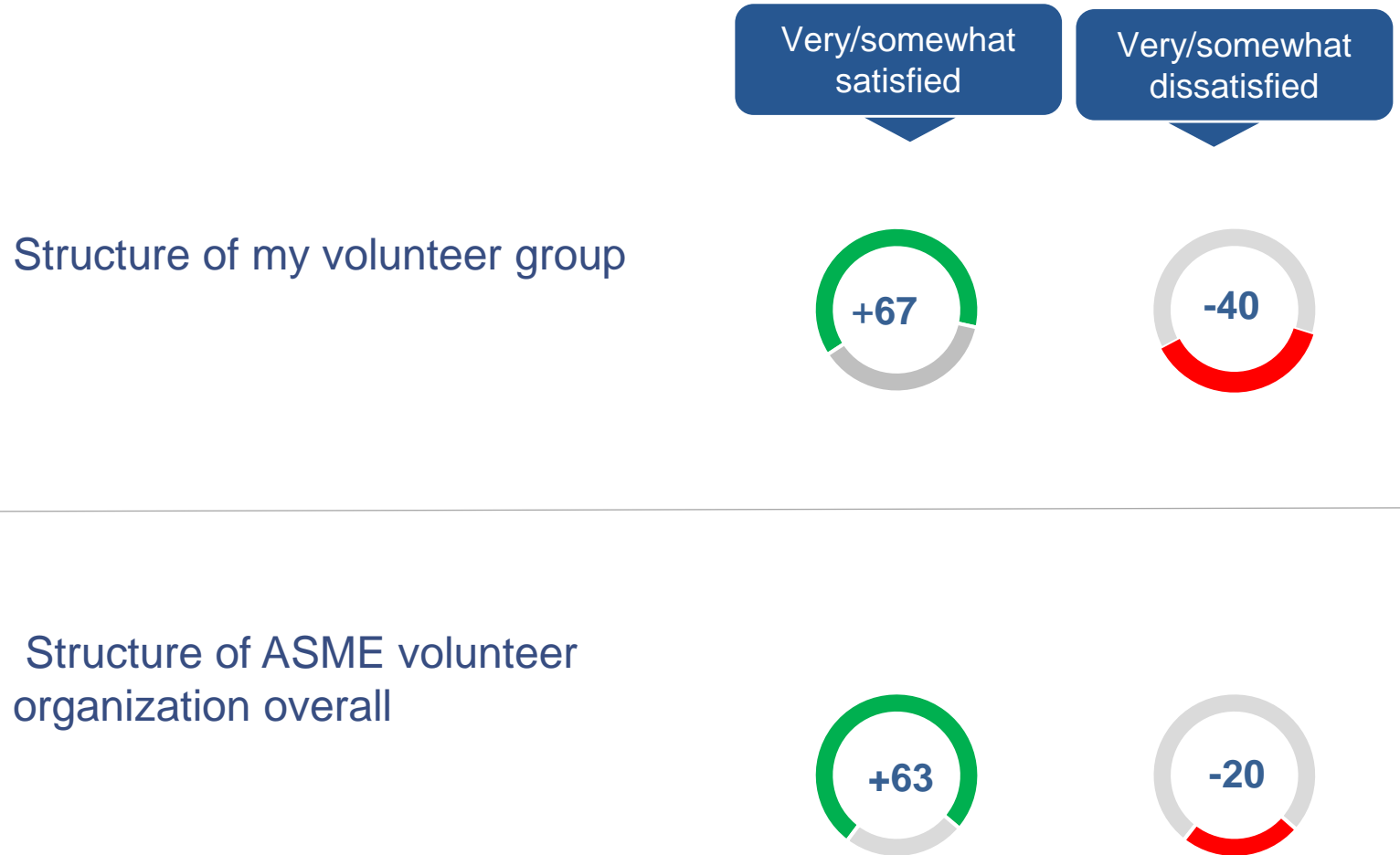
ASME proprietary and confidential. Not for distribution

Not surprisingly, satisfaction with the structure of the volunteer organization and their group also have significant impact on NPS.

✓ 84% of MDE volunteers said they are satisfied with these structures.

“I find it is moving in the right direction, and the activities/initiatives are moving towards more inclusion of the volunteers.” – Mid-career MDE volunteers

Impact of MDE Volunteers Satisfaction with their Engagements on NPS



All findings are directional due to small base

**Drivers determined by multiple regression model against likelihood of recommendation*



May 2021

ASME Public Affairs and Outreach

***ALL FINDINGS ARE DIRECTIONAL
DUE TO SMALL BASE***



RESPONDENTS PROFILE: PUBLIC AFFAIRS AND OUTREACH



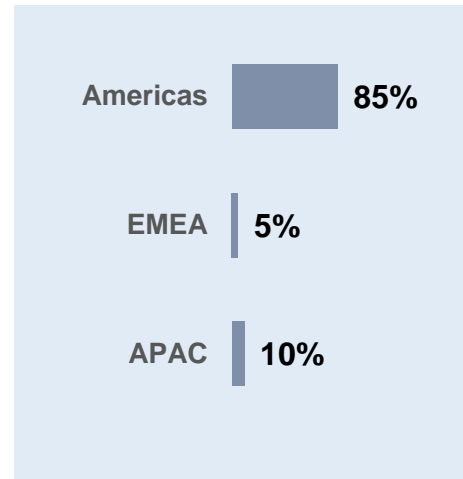
41 responses
from volunteers



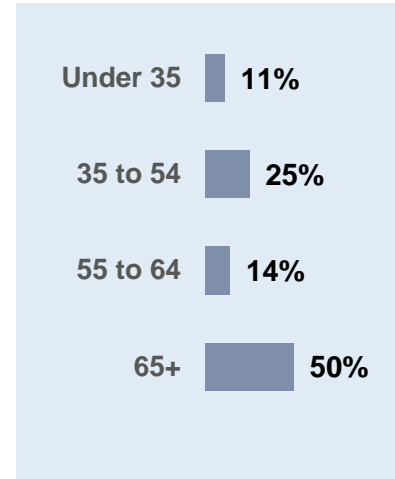
Male 82%
Female 18%

RESPONDENTS BY

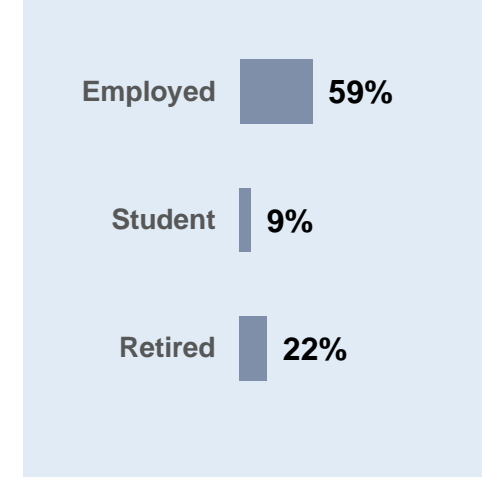
REGION



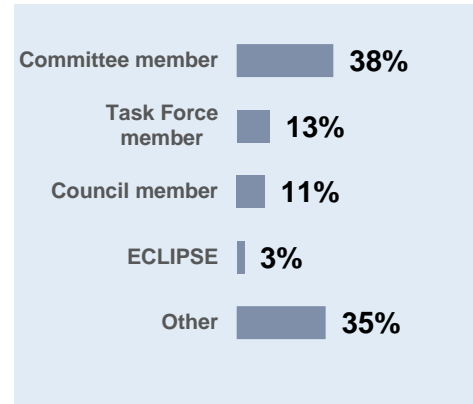
AGE



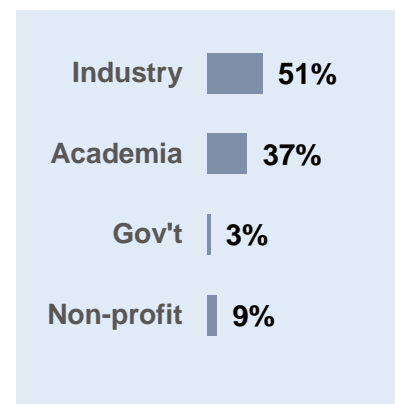
EMPLOYMENT STATUS



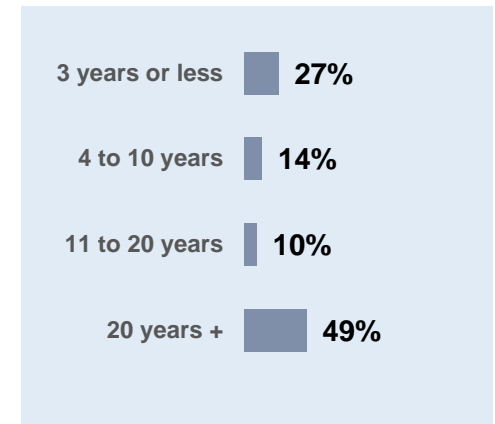
ENGAGEMENT ROLE



ORG. TYPE



VOLUNTEER TENURE



What Did We Hear From PAO Volunteers?

- ❑ Giving back to the profession, promoting engineering discipline, collaboration and networking are the main motivations for volunteering with PAO.
- ❑ PAO volunteers reported very high satisfaction with most aspects of their engagements, including financial support provided by ASME, which impacts NPS for this group.
- ❑ Without exception, all PAO volunteers express trust that leadership is taking the organization in the right direction, which is a major driver of NPS for this group.

“The leadership and the execution of the PAO is exceptional.” - PAO volunteer from North America

PAO VOLUNTEERS KPIs: HOW DID WE DO OVERALL

ALL FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE. COMPARISON TO LAST YEAR IS NOT STATISTICALLY RELEVANT

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

97%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

32

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

55%

Giving back to the profession, promoting engineering discipline, collaboration and networking are the main motivations for volunteering with PAO.

“I love being a volunteer for ASME, my only regret is that I have not been involved earlier in my career. I. Look forward to being a volunteer as long as I am able.” – PAO volunteer with 4 to 10 years of experience

Main Reasons for Volunteering with PAO

Base: 43

Agenda Appendix 2.4

Page 114 of 124

All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE



113

Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

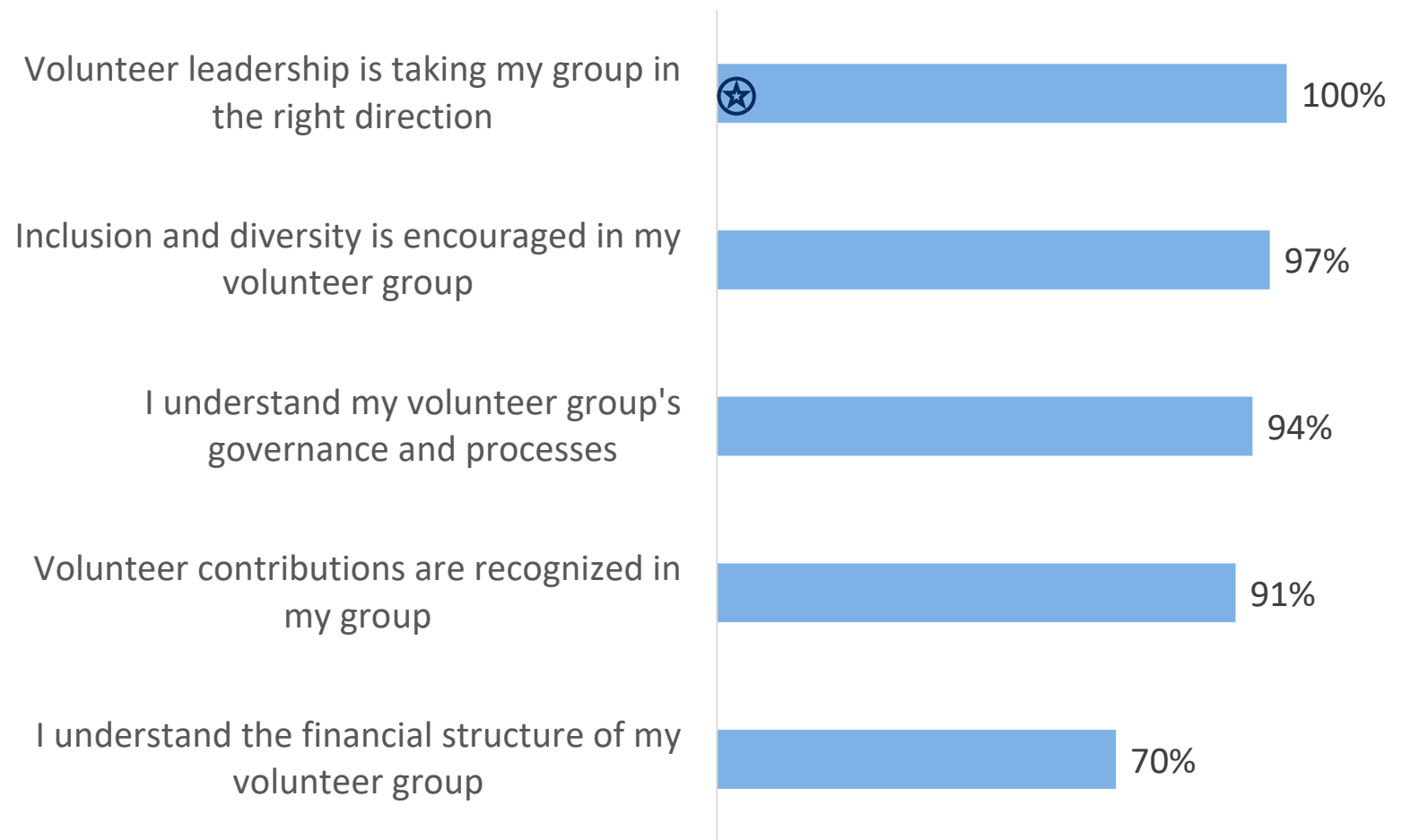
ASME proprietary and confidential. Not for distribution

Without exception, all PAO volunteers expressed trust that leadership is taking the organization in the right direction, which is the main driver of NPS for this group.

Attitudes Regarding Strategic Aspects of Volunteering with PAO (% Agree)

Base: 33

All findings are directional due to small base



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

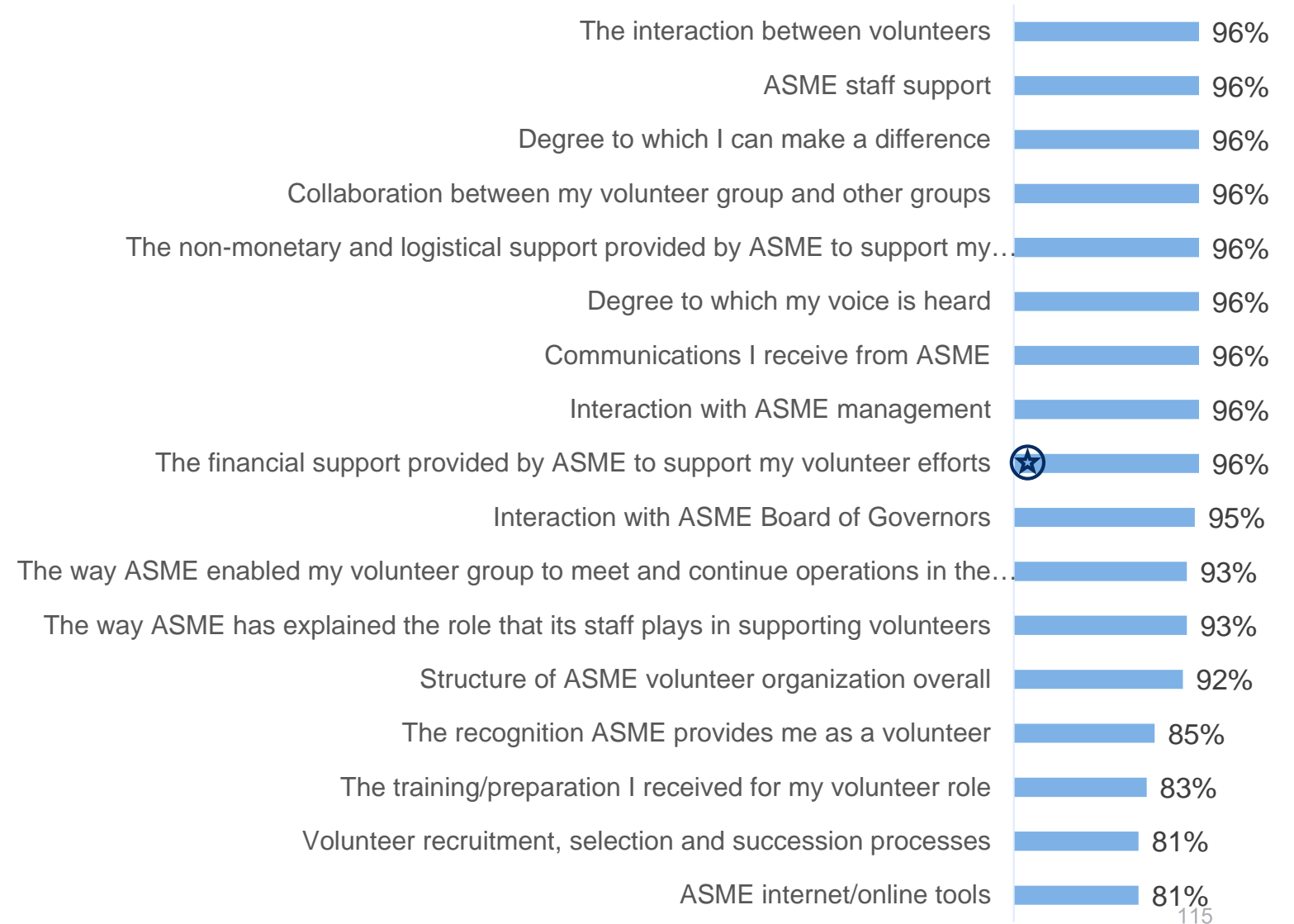
PAO volunteers reported very high satisfaction with most aspects of their engagements, including financial support provided by ASME, which impacts NPS for this group.

Satisfaction with Aspects of Volunteering with PAO

Base: 29

Agenda Appendix 2.4
Page 116 of 124

All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE



115

✓ *On-line tools, recruitment/succession processes and training were rated the lowest*

★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. How satisfied are you with the following aspects of volunteering for ASME...?

ASME proprietary and confidential. Not for distribution

Confidence in leadership and financial support provided by ASME are the main drivers of NPS for this group.

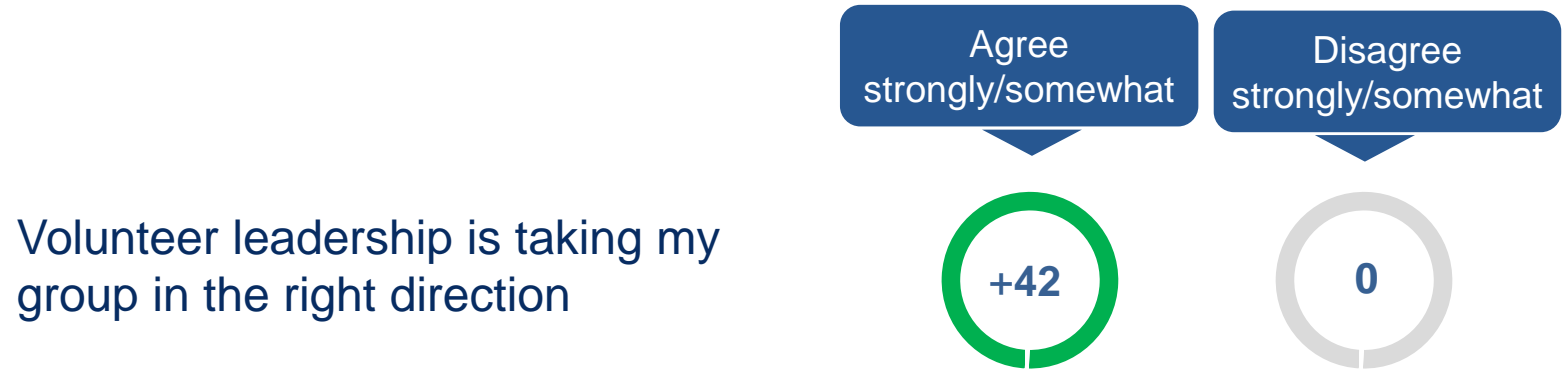
✓ While base of responses is low, directionally this is the only group other than BoG where low ratings on key drivers don't drive NPS below zero.

“We need funding to organize a one to face to face regional meeting. It is very important and impactful.” – ECE PAO volunteer from APAC

Key Drivers of PAO Volunteers Loyalty

DIRECTIONAL DUE TO SMALL BASE

Impact Of Editors & Reviews Volunteers Attitudes On NPS



Impact of Satisfaction with Aspects of their Engagements on NPS



**Drivers determined by multiple regression model against likelihood of recommendation*



May 2021

ASME Board of Governors

***ALL FINDINGS ARE
DIRECTIONAL DUE TO
SMALL BASE***



RESPONDENTS PROFILE: BOARD OF GOVERNORS



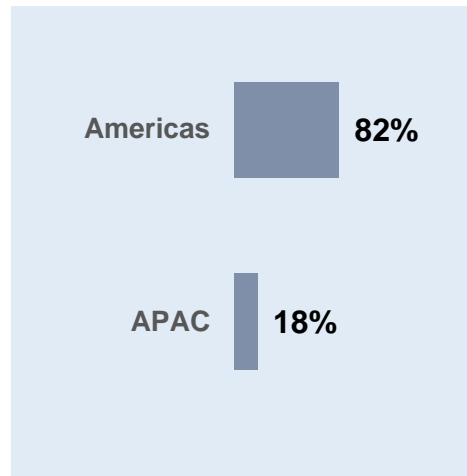
17
responses
from
volunteers



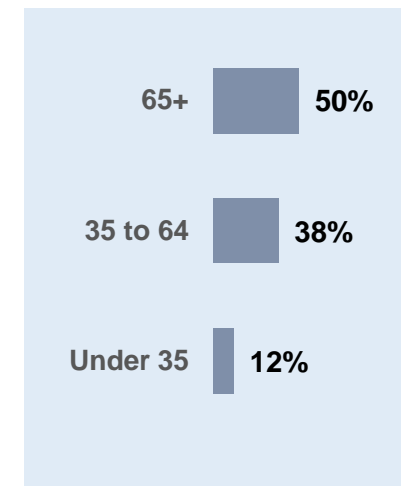
Male 80%
Female 20%

RESPONDENTS BY

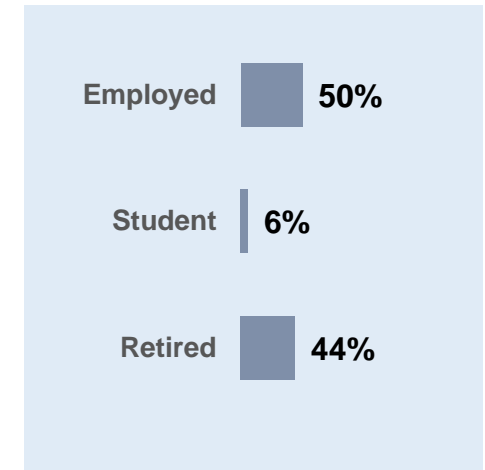
REGION



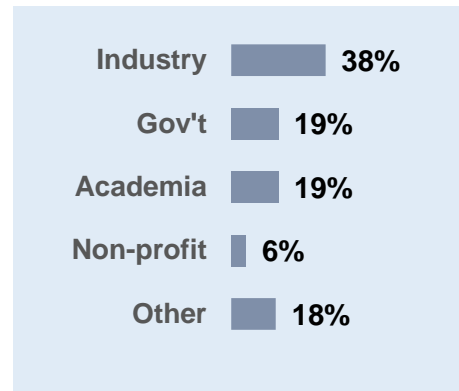
AGE



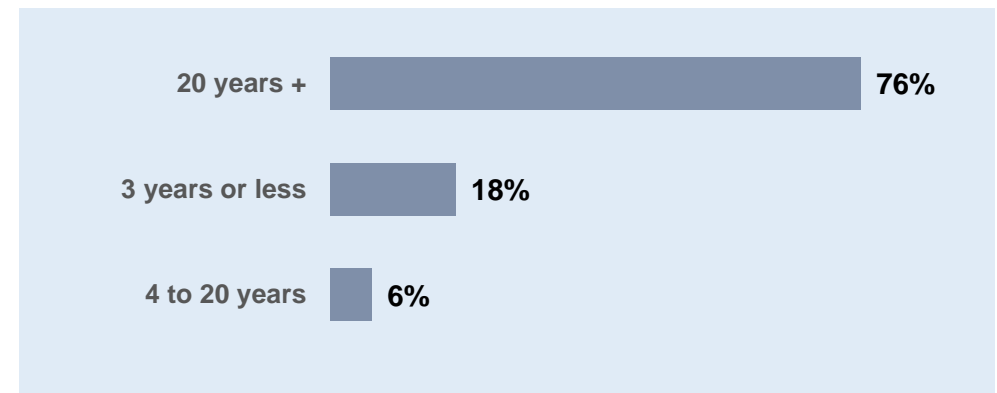
EMPLOYMENT STATUS



ORG. TYPE



VOLUNTEER TENURE



BoG KPIs:

VOLUNTEER SATISFACTION (VSAT)

Degree to which volunteers are satisfied with their experience; indicates the degree to which their volunteering experience with ASME met, surpassed or failed to deliver on their expectations

94%

NET PROMOTER SCORE (NPS)

Likelihood to recommend to others; considered a leading KPI for assessing customer opinion and loyalty

59

COMPETITIVE POSITION (CP)

Comparisons of the volunteer experience with ASME vis-à-vis volunteering experience with other professional organizations, among 53% who volunteer with other organizations.

100%

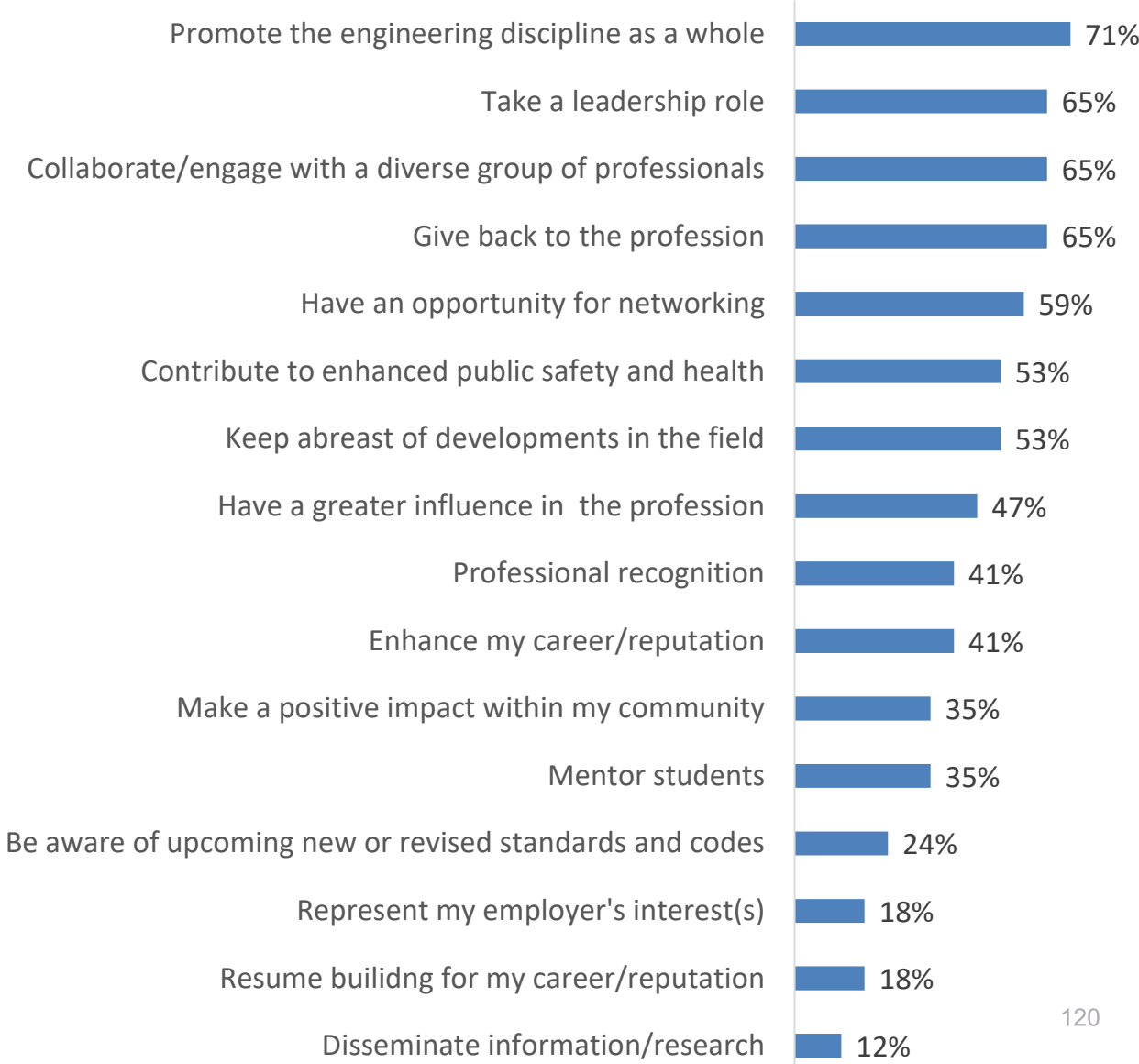
Promoting engineering discipline, giving back to the profession, collaboration and taking a leadership role are the main motivations for volunteering with BoG.

“There are greater opportunities for learning new skills, new information and networking provided by ASME than any other organization that I have encountered.” – BoG volunteer

Main Reasons for Volunteering with BoG

Base: 17

All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE



120

Q. Which of the following are the main reasons that you volunteer with ASME? (Select all that apply)

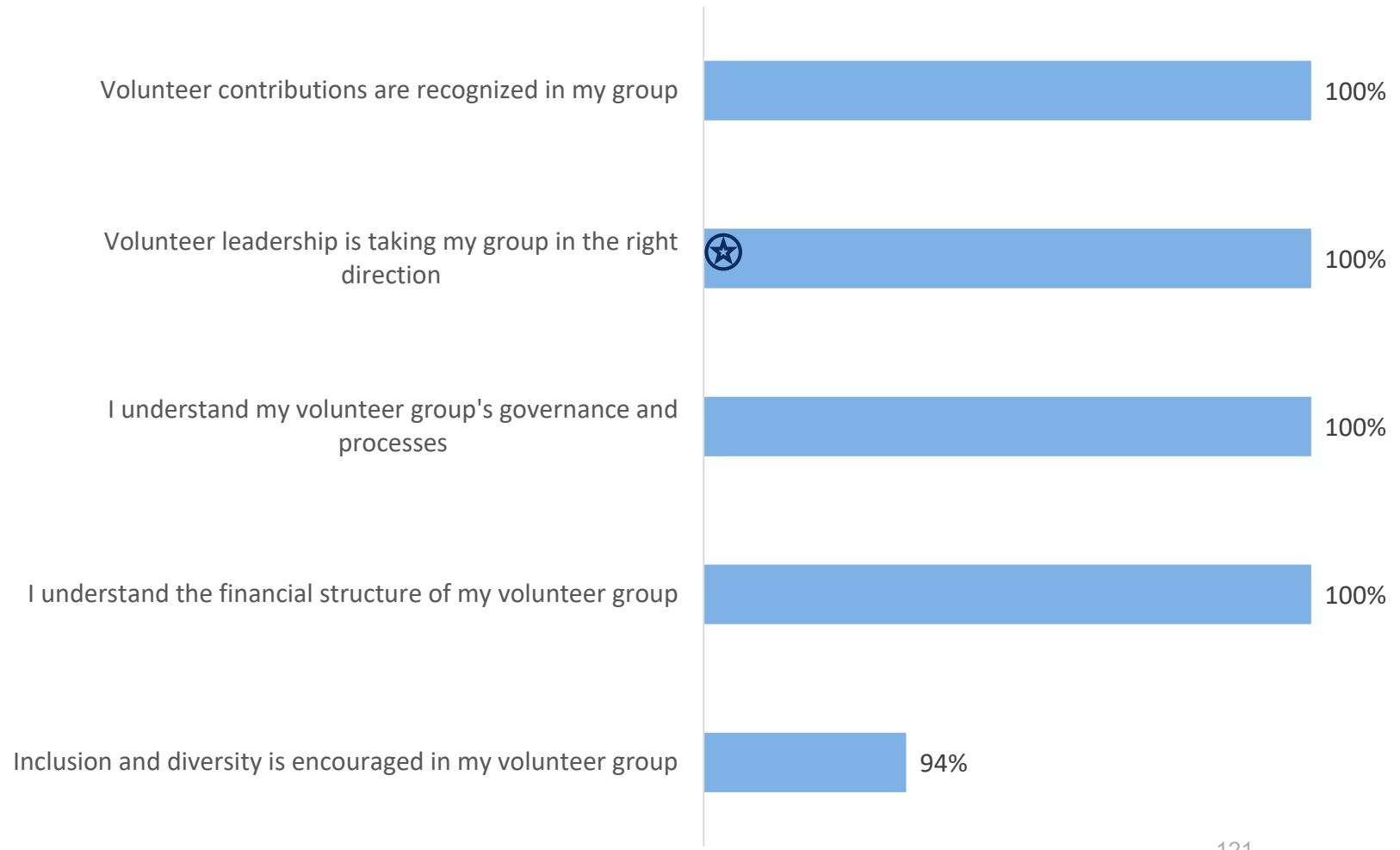
BoG volunteers gave high marks to all aspects of their experiences.

✓ *One person would like to see more diversity and inclusion efforts.*

Attitudes Regarding Strategic Aspects of Volunteering with BoG (% Agree)

Base:17

All findings are directional due to small base



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

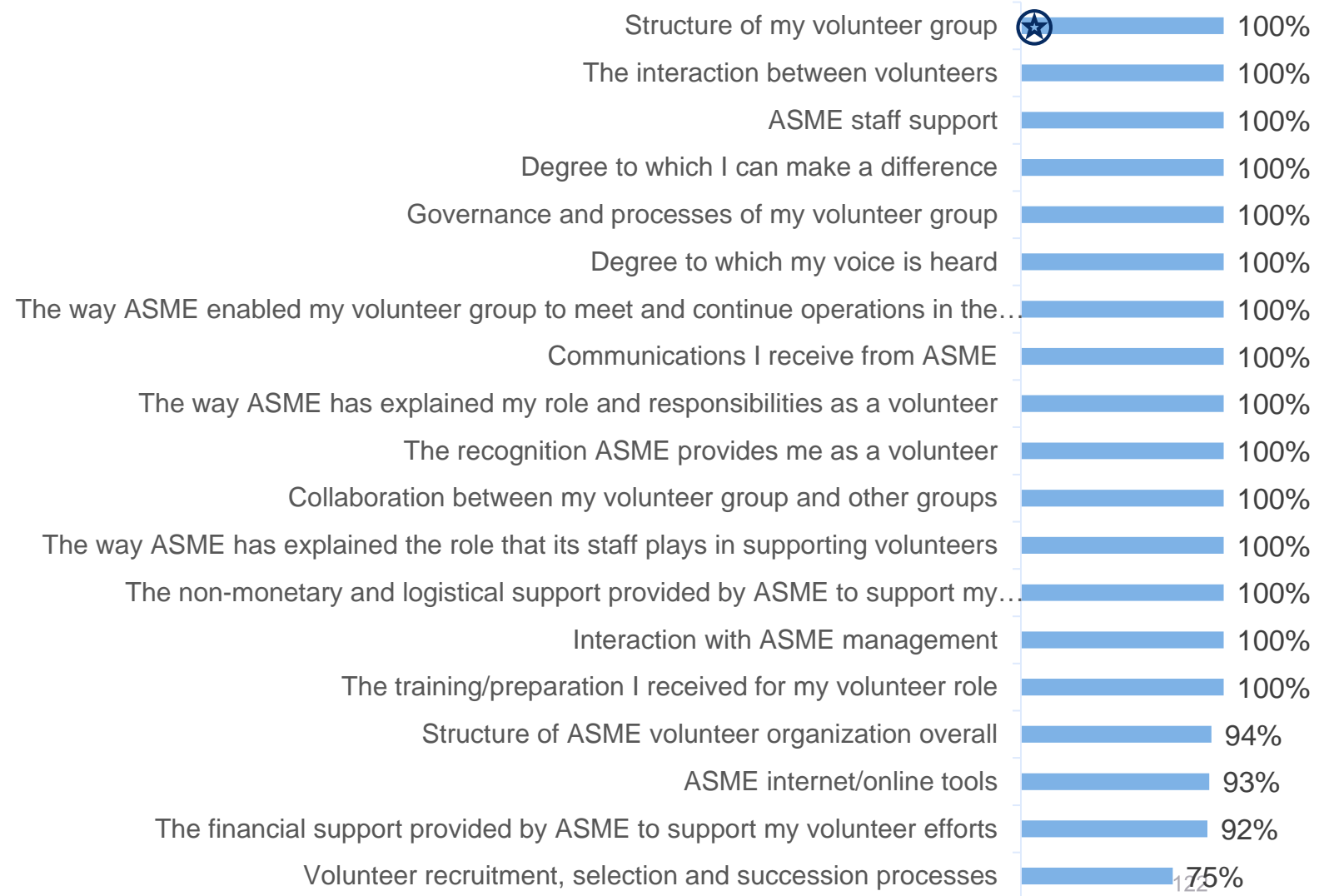
Q. Please indicate your agreement or disagreement with the following statements as they relate to this specific engagement with ASME

Satisfaction with Aspects of Volunteering with BoG

Base: 29

All FINDINGS ARE DIRECTIONAL DUE TO SMALL BASE

With the exception of recruitment, selection and succession processes BoG volunteers are highly satisfied with all aspect of their experiences.



★ Key driver of NPS determined by multiple regression model against likelihood of recommendation

Q. How satisfied are you with the following aspects of volunteering for ASME...?

ASME proprietary and confidential. Not for distribution

Confidence in leadership and structure of BoG are the key drivers of NPS of BoG volunteers.

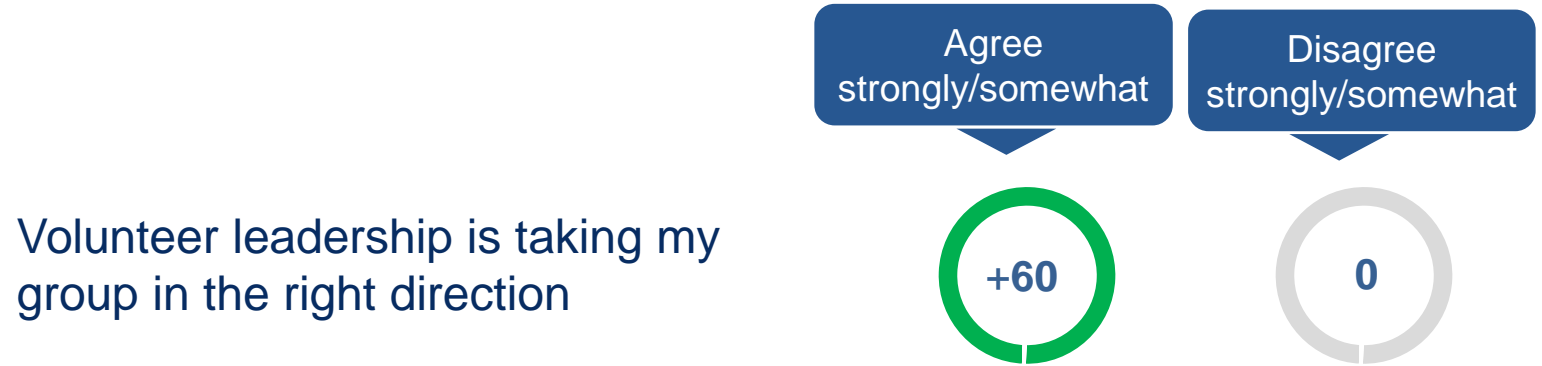
✓ *While base of responses is low, directionally this is the only group other than PAO where low ratings on key drivers don't drive NPS below zero.*

“Volunteer work at this level is very rewarding” – BoG volunteer

Key Drivers of BoG Volunteers Loyalty

DIRECTIONAL DUE TO SMALL BASE

Impact Of Editors & Reviews Volunteers Attitudes On NPS



Impact of Satisfaction with Aspects of their Engagements on NPS



123

**Drivers determined by multiple regression model against likelihood of recommendation*

ASME Board of Governors
Agenda Item Cover
Memo

Date Submitted: May 21, 2021
BOG Meeting Date: June 14, 2021
To: Board of Governors
From: Committee on Honors (COH)
Presented by: David Bogy, COH Chair
Agenda Title: Approved Society Awards Listing

The Board of Governors delegates to COH the authority to approve candidates for all Society Level Awards other than Honorary Members and ASME Medalist.

Attached for information is the listing of COH approved awards for 2021.

Proposed motion for BOG Action: None

Attachment: Yes

RECIPIENTS OF ASME HONORS AND AWARDS - 2021

ACHIEVEMENT AWARDS

ADAPTIVE STRUCTURES AND MATERIAL SYSTEMS AWARD

<p><u>Mary I. Frecker</u>, Ph.D., Fellow Pennsylvania State University Department of Mechanical Engineering 326 Leonhard Building University Park, PA 16802</p>		<p>For successfully bridging two previously distinct research areas, adaptive structures and compliant mechanism design optimization; and for research contributions, including the development of systematic design methods, active materials development and structural integration, with applications in aerospace, medical devices and origami engineering</p>
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ARTHUR L. WILLISTON MEDAL

<p><u>Vineet Vashi</u>, Member Vellore Institute of Technology F-1001, Green Residency, Adajan, Surat. Surat, Gujarat. 395009 India</p>		<p>For volunteer leadership in ASME that has energized the student community and Society colleagues in India and beyond; and for working tirelessly on a personal mission to create value, give back to society and uphold the highest professional standards for an engineer, while fostering the same civic service in others</p>
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BERGLES-ROHSENOW YOUNG INVESTIGATOR AWARD IN HEAT TRANSFER

<p><u>Nenad Miljkovic</u>, Ph.D., Member University of Illinois at Urbana-Champaign Department of Mechanical Science and Engineering 1206 W. Green Street Urbana, IL 61801</p>		<p>For significant contributions to the fundamental understanding of phase change heat transfer, particularly the dropwise condensation of steam, and the development of materials to enable the dropwise condensation of low surface tension fluids</p>
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PER BRUEL GOLD MEDAL FOR NOISE CONTROL AND ACOUSTICS

<p><u>David R. Dowling</u>, Ph.D., Fellow University of Michigan Department of Mechanical Engineering Engrg 2019 W Lay Automotive Lab Ann Arbor, MI 48109-2133</p>		<p>For the pioneering development of novel and robust techniques for remote focusing of acoustic waves, and remote localization and characterization of sound sources in complicated, noisy and imperfectly known environments</p>
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EDWIN F. CHURCH MEDAL

<p><u>Efstathios E. (Stathis) Michaelides</u>, Ph.D., P.E., Fellow Texas Christian University Department of Engineering Fort Worth TX 76129</p>		<p>For the development of several noteworthy mechanical engineering programs, and for significant outreach efforts to increase diversity in mechanical engineering education</p>
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THOMAS K. CAUGHEY DYNAMICS MEDAL

<p><u>Michael P. Paidoussis</u>, Ph.D., Fellow McGill University Department of Mechanical Engineering 817 Sherbrooke Street West Montreal, QC, Canada H3A 0C3</p>		<p>For more than half a century of outstanding contributions in nonlinear dynamics of systems with fluid-structure interactions</p>
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DANIEL C. DRUCKER MEDAL

<p><u>Markus J. Buehler</u>, Ph.D., Member Massachusetts Institute of Technology Civil & Environmental Engineering Department Room 1-290 77 Massachusetts Avenue Cambridge, MA 02139</p>		<p>For contributions to the use of molecular mechanics and chemical principles to elucidate the mechanics of natural and bio-inspired materials, and the design of mechanically optimized composite materials through hierarchical structuring from nano to macroscales</p>
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WILLIAM T. ENNOR MANUFACTURING TECHNOLOGY AWARD

<p><u>Albert Shih</u>, Ph.D., P.E., Fellow University of Michigan 2769 Walnut Ridge Drive Ann Arbor, MI 48103 (home)</p>		<p>For contributions and leadership in biomedical manufacturing through the broadening of research collaborations and technology transfer; and for advancing the manufacturing of assistive devices that have improved the quality of healthcare</p>
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FLUIDS ENGINEERING AWARD

<p><u>Steven L. Ceccio</u>, Ph.D., Fellow University of Michigan 8622 Zeeb Road Dexter, MI 48130-9600 (home)</p>		<p>For outstanding contributions to hydrodynamics research, particularly experimental studies of cavitation and multiphase flows, and the development of novel measurement techniques for these flows</p>
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Y.C. FUNG EARLY CAREER AWARD

<p><u>Kristin S. Miller</u>, Ph.D. Tulane University 333 S. Liberty Street JBJ Rm 415 Ballroom/Int Eng #8676 New Orleans, LA 70112</p>		<p>For advancing the fundamental understanding of reproductive biomechanics through the pioneering development of methods to elucidate mechano-biological processes in the female reproductive system related to smooth muscle cell contractility</p>
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KATE GLEASON AWARD

<p><u>Alba L. Colón-Rodríguez</u> Director of Competition Systems at Hendrick 400 Papa Joe Hendrick Boulevard Charlotte, NC 28262</p>		<p>For trailblazing contributions to motorsports through the innovative use of data acquisition tools, simulations and modeling to enable teams to win races and championships</p>
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RICHARD J. GOLDSTEIN ENERGY LECTURE AWARD

<p><u>Shuji Nakamura</u>, Ph.D. University of California–Santa Barbara 3524 Engineering II Santa Barbara, CA 93106 -</p>		<p>For transformational innovation in energy-conserving electronic and photonic materials, particularly pioneering work in light emitters based on wide-bandgap semiconductors and the invention of efficient blue light-emitting diodes that have rendered substantive bright and energy-saving white light sources</p>
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MELVIN R. GREEN CODES AND STANDARDS MEDAL

<p><u>Walter Sperko</u>, P.E., Fellow Sperko Engineering Services Inc 4803 Archwood Drive Greensboro, NC 27406-9795 (home)</p>		<p>For outstanding contributions to the development of ASME pressure equipment and nuclear standards and certification programs, and for promoting them internationally; for providing training in Society standards; and for facilitating the harmonization of ISO and ASME welding standards</p>
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J.P. DEN HARTOG AWARD

<p><u>Balakumar Balachandran</u>, Ph.D., Fellow University of Maryland 11407 Potomac Oaks Drive Rockville, MD 20850 (home)</p>		<p>For advancing the understanding of nonlinear vibrations through textbooks related to vibrations and through research publications on nonlinear oscillations of mechanical and structural systems</p>
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HEAT TRANSFER MEMORIAL AWARD

SCIENCE

<p><u>Laurent Pilon</u>, Ph.D., Fellow University of California, Los Angeles Mechanical & Aerospace Engineering Department 420 Westwood Plaza, Eng. IV 37-132 Los Angeles, CA 90095-1597</p>		<p>For seminal and interdisciplinary contributions to the field of heat transfer, combined with interfacial phenomena, materials science and electrochemistry, for the development of sustainable energy technologies</p>
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ART

<p><u>Michael M. Ohadi</u>, Ph.D., Fellow University of Maryland Mechanical Engineering Department Room 4164C College Park, MD 20742-0001</p>		<p>For pioneering contributions in the application of electrohydrodynamics to enhanced heat and mass transfer, liquid-vapor separation and micropumping processes; in novel heat and mass transfer designs for single phase and phase change processes; and in the development of novel, additively manufactured heat exchangers for polymer and polymer composites, and metals and super alloys</p>
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MAYO D. HERSEY AWARD

<p><u>Itzhak Green</u>, Sc.D., Fellow Georgia Institute of Technology 7610 Sherringate Drive Cumming, GA 30041 (home)</p>		<p>For outstanding contributions to tribology and design, particularly more than 150 papers and reports primarily on gas and liquid triboelements, rotordynamics, integrated diagnostics, mechanical face seals, viscoelastic dampers, elasto-plastic contact and computer-aided design of machine elements</p>
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PATRICK J. HIGGINS MEDAL

<p><u>A. Richard Emmerson</u> 811 East Central Road Arlington Heights, IL 60005</p>		<p>For outstanding contributions to the improvement of technical specifications for the plumbing profession; and for effective leadership on the ASME A112 Standards Committee on Plumbing Materials and Equipment, and dedicated efforts on the harmonization process between the U.S. and Canada</p>
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INTERNAL COMBUSTION ENGINE AWARD

<p><u>Gautam Kalghatgi</u>, Ph.D. University of Oxford 1 Old Malthouse 19A Paradise Street Oxford OX1 1 LD United Kingdom (home)</p>		<p>For game-changing contributions to the understanding of fuel effects in spark ignition, homogeneous charge compression ignition and compression ignition engines, particularly influential work on fuel auto-ignition quality, knock onset and intensity, preignition, engine deposits, cyclic variation and the future evolution of transport energy</p>
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JOHNSON & JOHNSON CONSUMER COMPANIES, INC. MEDAL

<p><u>Bioengineering Women's Networking Group</u> c/o Rouzbeh Amini SB3C Foundation Inc. 20 S. Duke Street, #1 Lancaster, PA 17602-3508</p>		<p>For the development and implementation of a program to strategically improve gender diversity and inclusiveness within the division</p>
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WARNER T. KOITER MEDAL

<p><u>Gerhard A. Holzapfel</u>, Ph.D., Fellow Graz University of Technology Institute of Biomechanics Stremayrgasse 16-II A-8010 Graz, Austria</p>		<p>For outstanding contributions to the application of solid mechanics in the development of continuum theory, computational methods, simulations and experiments in the biomechanics of soft biological materials; and for international leadership in the field through editorships, conference organization, mentoring and Ph.D.-level education</p>
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ROBERT E. KOSKI MEDAL

<p><u>Huayong Yang</u> Zhejiang University, Hangzhou, China School of Mechanical Engineering Hangzhou, 310012 People's Republic of China</p>		<p>For outstanding research in fluid power that has resulted in fruitful contributions to numerous scientific publications and the transfer of gained knowledge to industrial applications</p>
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ALLAN KRAUS THERMAL MANAGEMENT MEDAL

<p><u>Issam Mudawar</u>, Ph.D., P.E., Fellow Purdue University School of Mechanical Engineering 585 Purdue Mall West Lafayette, IN 47907</p>		<p>For 35 years of pioneering accomplishments and international leadership in high-heat-flux two-phase thermal management of electronics, and its impact on the cooling of computers, data centers, hybrid and all-electric vehicles, defense electronics and space vehicles</p>
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FRANK KREITH ENERGY AWARD

<p><u>Robert Pitz-Paal</u>, Ph.D., Fellow Director DLR Institute of Solar Research Linder Hoehe D 51147 Koeln Germany</p>		<p>For enabling the commercialization of several key concentrating solar technologies through the development of solutions that demonstrated reliability and performance, validation and risk reduction for industry; and for educating a workforce of engineers, many of whom have been instrumental in gaining policymaker support for concentrating solar power technology</p>
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LAKSHMI SINGH EARLY CAREER LEADERSHIP AWARD

<p><u>Sara Wheeland</u>, Member 5412 Diane Avenue San Diego, CA 92117-1324</p>		<p>For ongoing contributions to ASME including service as a member-at-large for the Public Affairs and Outreach sector and as vice chair of Programs for the Volunteer Orientation and Leadership Training Academy Executive Committee</p>
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BERNARD F. LANGER NUCLEAR CODES AND STANDARDS AWARD

<p><u>Timothy Adams</u>, Fellow Jensen Hughes FCSU Corporate Center 6611 Rockside Road, Suite 110 Independence, OH 44131</p>		<p>For technical contributions to ASME codes and standards, particularly Boiler and Pressure Vessel Code Section III–Rules for Construction of Nuclear Facility Components; and for supporting the Society’s global outreach and training efforts</p>
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WILFRED C. LAROCHELLE CONFORMITY ASSESSMENT AWARD

<p><u>Richard Stevenson</u>, P.E., Member Consultant 3 Bishop Drive Tyngsboro, MA 01879</p>		<p>For exemplary service in ASME conformity assessment and in promoting the worldwide expansion of nuclear certification; and for more than three decades of contributions as a member or officer of numerous technical and conformity assessment committees</p>
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GUSTUS L. LARSON MEMORIAL AWARD

<p><u>Patrick E. Hopkins</u>, Ph.D., Fellow University of Virginia Department of Mechanical and Aerospace Engineering 122 Engineer’s Way, Room 331 Charlottesville, VA 22904-4746</p>		<p>For outstanding achievement in mechanical engineering within 10 to 20 years following graduation</p>
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H.R. LISSNER MEDAL

<p><u>C. Ross Ethier</u>, Ph.D., P.E., Fellow Georgia Institute of Technology & Emory University School of Medicine IBB 315 Ferst Drive, Room 2306 Atlanta, GA 30332-0363</p>		<p>For outstanding contributions to the biomechanics of intraocular pressure regulation and optic nerve head biomechanics in glaucoma; for training and mentoring the next generation of biomechanical engineers; and for internationally recognized leadership within the biomechanics community</p>
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CHARLES T. MAIN STUDENT LEADERSHIP AWARD

GOLD

<p><u>Arya Vyavahare</u>, Member Flat No 503, A Wing, D building, Shewale Park Shahu Colony, Lane no. 4, Karvenagar Pune, Maharashtra 411052 India (home)</p>		<p>For outstanding service as associate secretary, vice chair and subsequently chair of the ASME Student Section at MKSSS’s Cummins College of Engineering for Women in Pune, India, which has resulted in expanded activities, increased membership and enhanced sponsorships</p>
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SILVER

<p><u>Samantha Hoover</u>, Member 25325 Windsong Court Wind Lake, WI 53185-1491 (home)</p>		<p>For revitalizing the ASME Student Section at the Milwaukee School of Engineering through three years of outstanding service as president; and for leadership efforts at the regional level to help other student sections improve and grow</p>
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M. EUGENE MERCHANT MANUFACTURING MEDAL OF ASME/SME

<p><u>Kevin S. Smith</u>, Ph.D., P.E, Fellow Group Leader Ridge National Laboratory 2350 Cherahala Boulevard Knoxville, TN 37932</p>		<p>For fundamental and translational research contributions that have improved both material removal rates and accuracy in highly engineered components in the automotive and aerospace sectors</p>
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VAN C. MOW MEDAL

<p><u>Rafael V. Davalos</u>, Ph.D., Fellow Wake Forest University 1205 Redbud Road Blacksburg, VA 24060 (home)</p>		<p>For outstanding contributions in biotransport and cancer treatment, particularly for distinct, yet complementary, inventions that are used to fight the full spectrum of cancer, from early detection and isolation of cancer stem cells to metastasis and treatment</p>
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NADAI MEDAL

<p><u>Michael D. Thouless</u>, Ph.D. University of Michigan Mechanical Engineering and Materials Science and Engineering 2282 G G Brown Building 2351 Hayward Avenue Ann Arbor, MI 48109</p>		<p>For seminal studies of fracture and plasticity of thin films, layered materials and adhesive materials, particularly pioneering efforts related to all aspects of cohesive zone modeling</p>
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SIA NEMAT-NASSER EARLY CAREER AWARD

<p><u>Yuhang Hu</u>, Ph.D. Georgia Institute of Technology George W. Woodruff School of Mechanical Engineering & School of Chemical and Biomolecular Engineering 801 Ferst Drive, MRDC 4107 Atlanta, GA 30332</p>		<p>For pioneering contributions to the field of soft active materials through research at the interface of mechanics and materials chemistry that combines theory with simulations and experiments, and spans from fundamental mechanics to novel applications</p>
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RUFUS OLDENBURGER MEDAL

<p><u>Shankar Sastry</u>, Ph.D. University of California-Berkeley Center for Developing Economies 220D Blum Hall Berkeley, CA 94720-1700</p>		<p>For fundamental contributions to the foundations of nonlinear, adaptive and hybrid control of robots and vehicles; and for efforts that have had a significant impact on control and robotics education</p>
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OLD GUARD EARLY CAREER AWARD

Winner

<p><u>Nicole Salloum</u>, Member A530 Salloum's Street Beit El Chaar, Metn Lebanon (home)</p>		<p>For outstanding leadership as an ASME volunteer and interdisciplinary professional, applying a passion for teaching and learning, and an entrepreneurial drive to positively impact future generations of engineers and business leaders; and for proactively seeking community service opportunities to improve the lives of others</p>
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Runner-Up

<p><u>Nishant Trivedi</u>, Member 5/2 Neeta Nagar Society Kanjari Road Halol, PMS, Gujarat 389350 India</p>		<p>For outstanding leadership that has contributed to the growth of ASME in India; for dedicated service in various Society sectors including the mentoring of fellow early career engineers; and for extraordinary career achievements</p>
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OUTSTANDING STUDENT SECTION ADVISOR AWARD

<p><u>Charbel Bou-Mosleh</u>, Ph.D., Member Charbel Bou-Mosleh Notre Dame University P.O Box 72 Zouk Mikael Zouk Mosbeh Lebanon</p>		<p>For 18 years of outstanding service as ASME Student Section advisor at the South Dakota School of Mines & Technology; for a decade of service on the Society's Student Section Enterprise Committee including five years as chair; and for mentoring countless students at SD Mines while supporting ASME students across the globe</p>
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PERFORMANCE TEST CODES MEDAL

<p><u>Thomas C. Wheelock</u>, P.E. McHale & Associates, Inc. Vice President of Business Development 4700 Coster Road Knoxville, TN 37912 (home)</p>		<p>For outstanding leadership contributions to performance test codes, particularly for the testing of gas turbines, overall plant performance and power measurements; and for sharing PTC knowledge regarding technical personnel, instrumentation, test direction, and test data analysis and reporting</p>
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PI TAU SIGMA GOLD MEDAL

<p><u>Yangying Zhu</u>, Ph.D., Member University of California-Santa Barbara 445 N La Cumbre Road Santa Barbara, CA 93110-1552 (home)</p>		<p>For outstanding achievement in mechanical engineering within 10 years of graduation</p>
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JAMES HARRY POTTER GOLD MEDAL

<p><u>Tatiana Morosuk</u>, Ph.D., Member Technical University of Berlin Institute for Energy Engineering Marchstrasse 18 10587, Berlin, Germany</p>		<p>For outstanding and innovative contributions to the science of theoretical and applied thermodynamics, particularly eminent teaching and research in the areas of advanced exergy-based methods, refrigeration and cryogenic processes, and electric power generation plants</p>
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DIXY LEE RAY AWARD

<p><u>Ashwani K. Gupta</u>, Ph.D., Fellow University of Maryland Department of Mechanical Engineering 2181 Martin Hall, Campus Drive College Park, MD 20742</p>		<p>For pioneering fundamental contributions to the development of green combustion technology, which is now used worldwide in advanced industrial furnaces and process industries with demonstrated near-zero emission of pollutants, CO2 emission reduction, low noise, significant energy savings and better quality of product produced</p>
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CHARLES RUSS RICHARDS MEMORIAL AWARD

<p><u>Wei Chen</u>, Ph.D., Fellow Northwestern University 2145 Sheridan Road Tech A214 Evanston, IL 60208-3111</p>		<p>For outstanding achievement in mechanical engineering for 20 years or more following graduation</p>
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RALPH COATS ROE MEDAL

<p><u>Elbert L. Rutan</u>, Ph.D. 2694 West Cessna Avenue Hayden, ID 83835</p>		<p>For extraordinary contributions as an entrepreneur, innovator and designer of 46 aircraft, five of which are on display at the Smithsonian's National Air and Space Museum; and for visionary efforts that have advanced technology and the public appreciation of aerospace engineering, composites and commercial space flight</p>
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ROBERT M. NEREM EDUCATION AND MENTORSHIP MEDAL

<p><u>Maury L. Hull</u>, Ph.D., Fellow University of California at Davis 8559 Country Club Lane Auburn, CA 95602 (home)</p>		<p>For profoundly influencing the field of bioengineering through exceptional teaching and mentorship, from developing new courses and unique lab experiments to advising more than 80 graduate students</p>
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SAFETY CODES AND STANDARDS MEDAL

<p><u>D. Yogi Goswami</u>, Ph.D., P.E., Fellow University of South Florida Director, Clean Energy Research Center 4202 E. Fowler Avenue M/S ENB 118 Tampa, FL 33620</p>		<p>For exceptional leadership of the TES Standards Committee in the development and publication of the first edition of TES-1, Safety Standard for Thermal Energy Storage Systems: Molten Salt</p>
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R. TOM SAWYER AWARD

<p><u>Robert E. Kielb</u>, Ph.D., P.E., Fellow Duke University 568 Vista Del Lago Lane Wake Forest, NC, 27587</p>		<p>For career contributions in turbomachinery propulsion while working in government, industry and academia; and for dedicated service to ASME in roles ranging from author and editor to technical committee chair and IGTI chair</p>
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BEN C. SPARKS MEDAL

<p><u>Sarim Naji Al-Zubaidy</u> 126 Killybegs Drive Pinehill, Auckland 0632 New Zealand</p>		<p>For transforming engineering education through outstanding contributions including the design of the Make Space lab, a cost-effective and integrated environment to support project-based and problem-based learning for all engineering disciplines; and the introduction of engineering systems design courses at three universities to expose students to the world of engineering through a mix of design projects, interactive workshops and lectures</p>
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RUTH AND JOEL SPIRA OUTSTANDING DESIGN EDUCATOR AWARD

<p><u>Timothy W. Simpson</u>, Ph.D., Fellow Department of Mechanical and Industrial & Manufacturing Engineering Pennsylvania State University 205 Leonhard Building State College, PA 16802</p>		<p>For effective and sustained contributions to industry–faculty–student engagement that enhance engineering education, foster professional and workforce development, and ensure broader impacts</p>
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SPIRIT OF ST. LOUIS MEDAL

<p><u>Darold Cummings</u>, Member 524 S. Dollar Street Coeur D Alene, ID 83814</p>		<p>For more than five decades of outstanding and sustained contributions to the design, development and testing of military and commercial aircraft, including the YF-23 in the '80s and the most recent design of a NASA X-plane, the eMSTAR</p>
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J. HALL TAYLOR MEDAL

<p><u>Susumu Terada</u>, P.E. Kobe Steel Ltd. Energy Equipment Engineering Section 2-3-1 Shinhama Arai-cho Takasago, Hyogo 676-8670 Japan</p>		<p>For significant contributions to the development and promotion of ASME's Boiler and Pressure Vessel Code, particularly in the area of high-pressure technology; and for tireless service as a liaison between Japanese and American pressure vessel code organizations</p>
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ROBERT HENRY THURSTON LECTURE AWARD

<p><u>M. Cynthia Hipwell</u>, Ph.D., Member Texas A&M University 3123 TAMU 409 Mechanical Engineering Building College Station, TX 77843-3123</p>		<p>For technology and innovation process leadership that has enabled areal density and reliability increases in hard disk drives, and accelerated the pace of technology development</p>
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TIMOSHENKO MEDAL

<p><u>Huajian Gao</u>, Ph.D, Fellow Nanyang Technological University School of Mechanical & Aerospace Engineering 70 Nanyang Drive Singapore 639798, Singapore -</p>		<p>For pioneering contributions to nanomechanics of engineering and biological systems, a new research field at the interface of solid mechanics, materials science and biophysics</p>
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YERAM S. TOULOUKIAN AWARDS

<p><u>Carolyn A. Koh</u>, Ph.D. Colorado School of Mines 373 Lodgewood Lane Lafayette, CO 80026 (home)</p>		<p>For pioneering the use of in situ molecular and interfacial techniques to discover key nucleation, growth and particle interaction pathways, and controls for gas hydrate formation in energy storage and pipeline plugging mitigation</p>
<p><u>Zhuomin Zhang</u>, Ph.D. Georgia Institute of Technology George W. Woodruff School of Mechanical Engineering 801 Ferst Drive NW Atlanta, GA 30332-0405</p>		<p>For pioneering research leading to the understanding of thermal radiative properties of micro- and nanoscale structures, for novel applications of this understanding to emerging fields of thermophysical properties, and for internationally recognized leadership in the thermophysical properties community</p>

GEORGE WESTINGHOUSE GOLD MEDAL

GOLD

<p><u>Jovica Riznic</u>, Ph.D., P.E., Fellow Canadian Nuclear Safety Commission Operational Engineering Assessment Division 280 Slater P.O. Box 1046, Station B Ottawa Ontario K1P 449 Canada</p>		<p>For the development of complex numerical models and innovative diagnostics to better measure, calculate and understand the structure of the two-phase flow in nuclear power plants; and for key contributions to steam generator life cycle management</p>
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SILVER

<p><u>Brian M. Wodka</u>, Member RMF Engineering 808 Walker Station Court Parkton, MD 21120 (home)</p>		<p>For demonstrated leadership that has advanced the power industry, particularly achievements in systems design, regulatory changes, standards development, training and ASME service</p>
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SAVIO L-Y. WOO TRANSLATIONAL BIOMECHANICS MEDAL

<p><u>Danny Bluestein</u>, Ph.D., Member Stony Brook University Department of Biomedical Engineering 102 Bioengineering Building Stony Brook, NY 11794-8151</p>		<p>For seminal work on thrombosis that represents a paradigm shift in translating biomechanics research to clinical applications; and for meritorious cardiovascular disease studies and thromboresistance optimization in circulatory support devices that are front-runners for transformation into destination therapies for patients</p>
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HENRY R. WORTHINGTON MEDAL

<p><u>Robert J. Visintainer</u>, P.E., Member GIW Industries, Inc. Vice President, Engineering and R&D 1179 Louisville Road Harlem, Georgia, 30814 (home)</p>		<p>For 35 years of outstanding contributions to the advancement of centrifugal pump design for solid-liquid flows through the development of pioneering wear prediction models and novel design solutions, and through efforts that have advanced the state of knowledge for performance predictions and the training of the next generation of engineers</p>
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S.Y. ZAMRIK PRESSURE VESSEL AND PIPING MEDAL

<p><u>Poh-Sang Lam</u>, Ph.D., Fellow Savannah River National Laboratory 2018 Red Fox Way Martinez, GA 30907 (home)</p>		<p>For outstanding contributions in the field through the development of solutions to demonstrate the structural integrity of nuclear material systems; for exceptional service to ASME's Pressure Vessels and Piping Division; and for the dedicated mentoring of colleagues in the PVP community</p>
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LITERATURE AWARDS

FREEMAN SCHOLAR AWARD

<p><u>Rajat Mittal</u>, Ph.D., Fellow Johns Hopkins University 2314 Tanglevale Drive Vienna, VA 22181</p>	<p>For the paper titled "Advanced Immersed Boundary Methods in Fluid Dynamics"</p>
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GAS TURBINE AWARD

<p><u>Masha Folk</u>, Ph.D., Member Rolls-Royce Corp. 141 East 44th Street Indianapolis, IN 46205 (home)</p> <p><u>Robert J. Miller</u>, Ph.D., Member University of Cambridge 32 Maids Causeway Cambridge, CB58DD United Kingdom (home)</p> <p><u>John D. Coull</u>, Ph.D., Member University of Cambridge Department of Engineering, Whittle Laboratory 1 JJ thomson Avenue Cambridge CB3ODY United Kingdom</p>	<p>For the paper titled "The Impact of Combustor Turbulence on Turbine Loss Mechanisms"</p>
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EDWARD F. OBERT AWARD

<p><u>Jesse Watien</u> Naval Nuclear Laboratory 2401 River Road Schenectady, NY 12309</p> <p><u>Matthew T. Schifano</u> Naval Nuclear Laboratory 34 Tallow Wood Drive Clifton Park, NY 12065</p> <p><u>Mitra Sexton</u>, P.E. LM-Knolls Atomic Power Lab 485 Grooms Road Clifton Park, NY 12065-6020</p>	<p>For the paper titled "Maximum Condensable Pressure in a Sealed Container With Arbitrary Temperature Distribution"</p>
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WORCESTER REED WARNER MEDAL

<p><u>Hanqing Jiang</u>, Ph.D., Fellow Arizona State University 1721 S Jay Place Chandler, AZ 86286 (home)</p>	<p>For the paper titled "For his seminal contribution to the permanent literature of post-buckling behavior of stiff thin films on soft substrates under large deformation and its new applications in diverse areas"</p>
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ASME Board of Governors
Agenda Item
Cover Memo

Date Submitted: May 21, 2021

BOG Meeting Date: June 14, 2021

To: Board of Governors

From: Committee of Past Presidents

Presented by: Leila Persaud, Manager Honors & Fellows

Agenda Title: CY 2020 Fellows Listing

Attached for information is the listing of ASME Fellows elected in CY 2020.

Proposed motion for BOG Action: None

Attachment: Yes

2020 ASME Fellows

Amanie Abdelmessih	Ephraim Gutmark	Iqbal Shareef
Guillermo Aguilar	Bumsoo Han	Kendra Sharp
Ralph Aldredge	Jae-Hung Han	Greg Shaver
Jeffrey Allen	Nicole Hashemi	John Shaw
Abul Fazal Arif	Wei Hong	Devdas Shetty
Vikrant Aute	Olusegun Ilegbusi	Do Jun Shim
Sourav Banerjee	Leila Jannesari-Ladani	Yasumasa Shoji
Mingsian Bai	Kwangkook Jeong	Anne Silverman
Ashraf Bastawros	Sureshkumar Kalyanam	N. Sitaram
John Bendo	Bjoern Kiefer	Vishnu Sishtla
John Bernardin	Patrick Kwon	Steven Son
Iman Borazjani	Gregory Laskowski	S. V. Sreenivasan
Keith Boyer	Kam Leang	Anil Srivastava
Tom Bubenik	Tonghun Lee	Wei Sun
Vijaya Chalivendra	Brian Leis	Ying Sun
Jaime Camelio	Jun Liao	Zongxuan Sun
Kevin Cassel	Mian Li	Kenji Takizawa
Bo Chen	Perry Li	Kumar Tamma
Jun Chen	Pei-Chun Lin	Mohammed Uddin
Xiaoqi Chen	Xinyu Liu	Ardalan Vahidi
Constantin Ciocanel	Haoxiang Luo	Pavlos Vlachos
David Corr	Keefe Manning	Gang Wang
John Crassidis	Christopher Mattson	Jian Wang
Brian Damiano	Peter Meckl	Junlan Wang
Scott Danielson	Robert M'Closkey	Guangqiang Wu
Suvranu De	Ahsan Mian	Chengying Xu
Jean-Pierre Delplanque	Trevor Moeller	Kang Xu
Marcio de Queiroz	Saeed Moghaddam	Ajit Yoganathan
Ruben Del Rosario	Brian Morelock	Hongyan Yuan
Richard Dennis	Oliver Myers	Lucy Zhang
Salil Desai	Karim Muci-Kuchler	
Paul Desjardin	Vinod Narayanan	
David Dooner	Jacqueline O'Connor	
J. Andrew Drake	Riyaz Papar	
Huiling Duan	Chanwoo Park	
Wayne Eckerle	Joe Paviglianiti	
Philipp Epple	Marko Princevac	
Roger Fales	Christian Puttlitz	
Daining Fang	Haiyang Qian	
Silvia Ferrari	Devesh Ranjan	
Ender Finol	Xiulin Ruan	
Bryan Fischer	James Rutledge	
Jianping Fu	Paisa Saboori	
David Gorsich	Carl Sangan	
Karolos Grigoriadis	Ryan Schmit	

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

Date Submitted: May 18, 2021
BOG Meeting Date: June 14, 2021

To: Board of Governors
From: Various Units/Sectors
Agenda Title: Unit/Committee Reports to the Board

Agenda Item Executive Summary:

Attached are the following reports to the Board, highlighting the top three accomplishments, challenges, and other information:

- Auxillary
- Committee of Past President's (CPP)
- Committee on Honors (COH)
- VOLT Academy
- Diversity, Equity and Inclusion Strategy Committee (DISC)
- Industry Advisory Board (IAB)
- Philanthropy Committee
- Committee on Organization and Rules
- Technical and Engineering Communities (TEC)
- Member Development and Engagement Sector (MDE)
- Student and Early Career Development (SECD)
- Public Affairs and Outreach Sector (PA&O)
- Standards and Certification Sector (S&C)

Proposed motion for BOG Action: For information only.

Attachments: Reports attached.

Report to the Board
Auxiliary
November 2020 – June 2021

Top Key Accomplishments (1-3):

1. The Auxiliary has increased their Lucy and Charles W. E. Clarke Scholarship from \$5,000 to \$7,000.
2. The Auxiliary has voted on their National Officers for 2021-2022, See below.

Challenges:

The Auxiliary has a difficult time engaging younger members to join their group and read scholarship applications.

Other information:

(This can include new ideas/opportunities, next step actions and major meetings not covered in the top key accomplishments.)

President	Ella Baldwin-Viereck
Executive Vice President	Ada Ezekoye
Recording Secretary	Vatsala Menon
Corresponding Secretary	Lynn Gerber
Treasurer	Stella Seiders
Student Loan Treasurer	Ed Seiders

Report to the Board
Committee of Past Presidents
November 2020 – June 2021

Top Key Accomplishments (1-3):

1. Appointments within ASME that require a representative from the CPP have been filled. (See chart below) However, NC Advisors will be invited by the end of June 2021.
2. The ASME Foundation has received 100% participation from the Committee of Past Presidents for their “Campaign for Next Generation Engineers”.
3. The Fellows Review Committee continues to encourage diversity by identifying the lack of women being nominated for this honor and the lack of women writing recommendation letters.

Challenges:

None

Other information:

(This can include new ideas/opportunities, next step actions and major meetings not covered in the top key accomplishments.)

Follow up – The CPP has sunset their Outside Awards Committee due to ASME having several of their own awards that the organization should focus on for potential nominees.

	<i>CPP Officers</i>		<i>NC Advisors</i>		<i>Ethics Committee</i>		<i>Fellows Review</i>	
July 2020-2021	Bob Sims Keith Roe Charla Wise	Chair Vice Chair Secretary	Keith Roe Charla Wise Said Jahanmir		Sue Skemp (1) (3yr) Charla Wise	Chair Vice Chair	Marc Goldsmith Madiha Kotb Bob Sims Victoria Rockwell Sam Zamrik	Chair Advisor
July 2021-2022	Keith Roe Charla Wise Said Jahanmir	Chair Vice Chair Secretary	Per invitation** Per invitation** Per invitation**		Sue Skemp (2) (3yr) Charla Wise	Chair Vice Chair	Madiha Kotb Bob Sims Terry Shoup Marc Goldsmith Keith Roe	Chair Advisor

Report to the Board
Committee on Honors
November 2020 – June 2021

Top Key Accomplishments (1-3):

The Committee on Honors (COH) held two zoom meetings and conducted several electronic discussions from November 2020 – June 2021. Major activities were in the following areas:

1. Program Effectiveness.

During the year, the General Awards Committee (GAC) and the Committee on Honors (COH) reviewed and acted favorably upon seventy of the seventy-three nominations submitted.

A “How to Submit a Nomination” video was created to educate volunteers about ASME’s Honors & Awards Program. The video was shown at E-Fest and GLDC and can be found at <https://www.asme.org/about-asme/honors-awards/honors-policy/how-to-nominate>.

COH continued its triennial review of the Rules of Award to ensure that the procedures reflected in the documents corresponded to those of the award committees. This ongoing activity helps to identify areas of concern that must be addressed, as well as to provide the Committee and Special Award Committees the opportunity to make suggestions relative to procedures.

COH approved in principle, the establishment of three new Society Level Awards.

With the continued growth of the Honors program, COH transferred responsibilities of fifteen awards to GAC. COH is extremely pleased with GAC’s efforts in supporting COH’s activities. This shift allows COH more time on its agenda to address the strategic needs of the Honors & Awards Program and be more agile in responding to ASME’s Leadership goals.

2. Diversity, Equity and Inclusion

COH has identified a Tiger Team comprising of equal membership from COH and GAC, with representation by DEISC, and headed by the Chair of the GAC as the sole member of both committees (ex officio), to advance the diversity, equity, and inclusion initiative by working with the Special Awards Committees, Technical Divisions and District Leaders.

A report on the Tiger Team efforts will be provided to the BOG in September.

24% of this year’s honorees are female or from an underrepresented group. This is viewed as a first step in having a diverse nomination of awardees.

This year for the first time, five of the eleven honorees who will be featured at the Annual Awards Event are female or come from an underrepresented group.

Challenges:

None

Other information:

COH and GAC attended a webinar on Unconscious Bias.

COH is committed to ensuring that the Honors & Awards Program continues to represent ASME’s high standard by honoring outstanding and diverse individuals.

Report to the Board
VOLT Academy Executive Committee
December 2020 – June 2021

Top Key Accomplishments (1-3):

1. VOLT offered two virtual leadership workshops in the second half of FY21. In January, we offered a workshop to 29 participants on Finding Opportunities in Times of Change providing some guidance and tools to help managing change with agility. In April, we offered a workshop on Leveraging Diversity to Make More Effective Teams with 25 participants.
2. In May, VOLT held its first Cross-Sector Collaboration Accelerator. This reimagined the former face-to-face Cross-Sector Leadership Development Workshop as a month-long virtual event with a blend of live and asynchronous learning, with full group and small group work. There were 22 participants from across the five sectors. To date, feedback on this event has been positive and we think it could serve as a model for other programs.
3. The incoming class of ECLIPSE interns includes 7 interns serving across ASME in FY22. A kick-off and orientation were held for the new interns on April 22 and they will begin their program year on July 1.
4. VOLT is planning to pilot a Volunteer Leadership Pathway, which is an orientation and training roadmap that outlines a progression of internal and external orientation, training, and development resources for ASME volunteers. The plan is to pilot the program in FY22 with volunteers from the FY21 ECLIPSE class and participants in the Cross-Sector Collaboration Accelerator.

Challenges:

While the attendance for the VOLT leadership workshops has matched their previous in-person counterparts, the Committee had aimed to expand attendance at VOLT virtual events. The Committee is now working to improve event marketing to increase awareness and participation for future VOLT virtual events.

Other information:

- The VOLT Academy Executive Committee will hold its next meeting on June 9, at which we will transfer leadership of the committee to the incoming Chair, Callie Tourigny.
- The committee will also welcome three new members in FY22. Brandon Graham, Mary Lynn Realff, and Merya Zogheib will join as Members-at-Large.
- The ECLIPSE Alumni Group will hold a networking event on June 3, with a conversation about Making Meetings Better.
- The ECLIPSE Class of 2021 will deliver its final presentation to ASME volunteer leaders on June 24.

Report to the Board

Diversity, Equity, and Inclusion Strategy Committee
December 2020 – June 2021

Top Key Accomplishments (1-3):

1. The committee has been working on a DEI Toolkit, along with several supporting materials, for use by volunteers who want to advance diversity, equity, and inclusion in their units. The Toolkit is expected to go live in June 2021. The toolkit will include Definitions, Policies, and Position Papers; Resources for Inclusive Meetings, Events, and Local Activities; Guides and Trainings; Media; as well as links to ASME's diversity groups, external partners and resources, and a calendar of events.
2. At its March meeting, the committee voted and submitted to the Board of Governors for approval a name change to Diversity, Equity, and Inclusion Strategy Committee (or DEI Strategy Committee). The addition of Equity to the committee name demonstrates a focus on fair and impartial treatment, access, opportunity, and advancement for all people as well as putting ASME in alignment with the most contemporary terminology.
3. The committee reviewed Society Policy 15.11 and recommended changes to add Equity into the scope of the policy. It also drafted a definition of Equity for use by ASME. The proposed changes were approved by the Board of Governors in April.

Challenges:

There is a great deal of enthusiasm around DEI efforts across ASME at present. The committee is striving to work with all units to ensure alignment across these efforts.

Other information:

- The DEI Strategy Committee will hold its next meeting on June 17, at which it will transition leadership of the committee to the incoming Chair, Jennifer Cooper.
- The committee will also welcome new member. Leslie Philly will join as a Member-at-Large in FY22. Dr. Phinney has three decades of ASME experience, primarily in the area of Heat Transfer. Throughout her career, she has worked to advance women in engineering, both within ASME and through activities with SWE and her place of work, Sandia National Lab.
- The committee is supporting the Committee on Honors Tiger Team to work on diversity, equity, and inclusion and increasing the pool of candidates for ASME honors and awards, with an aim of a more diverse roster of award recipients.. Amy Betz will serve as the DEI Strategy Committee representative to the Tiger Team.
- The committee continues to work with ASME's LGBTQ+ Pride group, and will be supporting the LGBTQ+ event planned for June. Marianne Chan serves as a liaison to the group.

Report to the Board
Industry Advisory Board
November 2020- June 2021

Top Key Accomplishments (1-3):

1. The ASME Industry Advisory Board (IAB) held a late fall virtual meeting on December 1, 2020 and discussed digital transformation in mature industries. The primary speaker was Stephen Nelson, CEO of Longview Power, who discussed how his company's coal-fired power plant was using data analytics to optimize plant systems. The meeting also featured breakout sessions, which covered the following topics: drivers of digital transformation, education and training, and standards and content.
2. The IAB held its virtual spring meeting on April 28, 2021, which featured the IAB's first virtual tour. The tour highlighted Power Systems Manufacturing's (PSM) digital transformation efforts during COVID. Post-tour, IAB members were divided into breakout groups to discuss the following topics: virtual inspections, 3D printing/ additive manufacturing, and remote operations.
3. The ASME Foundation also joined the IAB for its virtual spring meeting to discuss the Campaign for Next Generation Engineers. Several IAB members/ companies have been contributing to the campaign in various ways thus far.

Challenges:

It has been a challenge to make the virtual meetings as interactive as the in-person meetings. This virtual tour is a start and the IAB Executive Committee is considering other ideas as well.

Other information:

1. The IAB will hold its next virtual meeting in fall of 2021. The topic has not been announced yet.
2. Gina Lewis is replacing Richard Bonner as the Eastman Chemical representative on the IAB. Chris Lorence of GE Aviation also replaced Ed Hall of GE Renewable Energy as the GE representative on the IAB.

Report to the Board
Philanthropy Committee
November 2020 – June 2021

Top Key Accomplishment: Continued to transform ASME’s business model for Philanthropy and the Foundation so there will be a substantial increase in funds raised to support our programs, an important milestone for the long-term sustainability of the Society’s mission:

1. Completing first year of Capital Campaign Fundraising Outreach to a mix of IAB member companies, individual ASME leaders, as well as individuals / foundations that are “new” to ASME

- Recruited and activated a “Capital Campaign Cabinet” whose members represent a diverse cross-section of industry, academia, and non-profit sectors, who are willing to help with fundraising
- Began work on a number of “mini-campaigns” designed to raise funds either for a particular program (e.g., from former Federal Fellows, recipients of ASME Scholarships; for E4C Fellowships, which enabled us to secure a \$250k gift from Autodesk Foundation); from particular industry segments where we have volunteers willing to engage in outreach (e.g., Silicon Valley); from past ASME members with a high capacity to give
- Initiated a regular effort to invite industry leaders and key stakeholders to participate in events (MEED and IWME Conferences, E-Fest, etc) as spokespersons to heighten their awareness of programs’ impact, strengthen ties to ASME, and increase likelihood of securing donations from their companies
- Engaging volunteers in outreach to colleagues who are either prospective individual donors or who work at companies that are strong donor prospects, where they might be willing to “champion” our efforts within their Corporate Social Responsibility teams
- Four IAB member companies have made commitments to the Capital Campaign; the fundraising team has active conversations underway with approximately 40% of the companies represented on the IAB, as well as individuals and foundations that are “new” to ASME

2. Made additional, substantial headway with putting the infrastructure needed to successfully conduct Capital Campaign in place

- Established branding and communications to promote the campaign, including regular, scheduled outreach via ASME.org, ME Magazine, ASME’s social media channels and quarterly newsletter, as well as a direct-mail /email solicitation program
- Finalized additional elements of collateral material/continue to develop or update key documents: Foundation Overview Video; Infographic One-page Snapshot of Programs; Giving Societies brochure; expanded Foundation website, with an important Social Return on Investment (SROI) tool; created “master” presentation slides and library; regular distribution of Foundation-branded “swag” to existing and prospective donors, etc.
- Adding one more key hire to complete current plan for staff team. (In addition to strong fundraising backgrounds, staff also has communications and events expertise)
- Instituted monthly reporting to Philanthropy Committee re progress toward fundraising goals
- Utilize Salesforce database to manage tracking of outreach to all donor prospects, categorized by donor type

3. Continued Awareness Campaign among Volunteers and members re Impact of ASME’s Philanthropic Initiatives

- Instituted regular donor cultivation effort, inviting current and prospective donors to attend events as guests, so they can see impact of ASME philanthropic programs firsthand
- Institutionalized annual “Philanthropic Impact” event to update key Volunteer and staff leaders as well as new prospects about programs’ impact

Continued...

Challenges

Report to the Board
Committee on Organization and Rules
July 2020 – June 2021

Top Key Accomplishments (1-4):

1. COR reviewed proposed changes to ten Articles of the Constitution, which the Board of Governors approved putting on the June 15 Business Meeting agenda for action. It reviewed 27 By-Laws and recommended changes that the Board of Governors adopted.
2. COR reviewed proposed changes to eleven Society Policies and recommended changes that the Board of Governors adopted.
3. The Committee reviewed twelve appointments or reappointments and made recommendations that the Board of Governors approved. COR continued to strictly enforce the examination process of appointments and re-appointments to make sure they followed Society Policies.
4. COR approved changes to the DEISC and EDESC Operation Guides. The Committee performed the required annual review of the Nominating Committee Manual.

Challenges:

As ASME continues to evolve, the importance of being agile to make necessary changes to its governance documents quickly and efficiently is important. COR is responsive to these needs and brings a corporate history and continuity to the process. Society units must keep in mind, however, that the Committee must do a thorough review of the changes the units propose because they may have implications for other units that the proposing unit may not be aware of.

Other information:

Sam Zamrik completed his terms on the Committee. The BOG will act on the appointment of Said Jahanmir as his replacement. Wes Rowley completed his term on the Committee (and as Chair for 2020-21). Emily Boyd will be the Chair for 2021-22.

Report to the Board
TEC Sector
November 2020 – June 2021

Top Key Accomplishments (1-3):

1. Technology Groups

Eight Technology Groups focused in the areas of Space, Gas Turbine, Intelligent Manufacturing, Digitalization, Clean Energy, Energy Sources & Processing, Robotics, and Nanoengineering have been charged with identifying new market areas and/or solving challenges within their assigned technology.

For example, the Clean Energy Technology Group is working on forming an Energy Storage event with a long-term plan to form a technical division in this area. The Gas Turbine Technology Group has formed a Production & Maintenance Engineering Committee, which will continue growing the AMRGT event and work toward becoming a Division to support other products in production and maintenance. The remaining Technology Groups are working on 6 to 12 month plans to identify new market areas and opportunities to positively impact their stakeholders. The TEC Sector Council is supporting these efforts with seed funding for the ideation workshops.

2. Technical Divisions

The Divisions launched a collaborative new product, TEC Talks. This is a monthly webinar series that focuses on the varied disciplines offered by the Divisions. This webinar series allows the sponsoring Division to showcase their activities and conferences with the aim to pique the interest of the attendees and increase member engagement, while providing informative relevant technical content by way of presentations and panel discussions. The webinars are provided free as an ASME member-only benefit, with post-recordings available online.

3. Technical Conferences

2021 conferences are all planned as virtual, in keeping with the ASME Anywhere policy announced last year. Our recently completed Conference Travel Survey more than backs up the decision to keep things virtual this year. We have invested funds and effort in both our virtual conference tools as well as staff training.

Challenges:

- Maintaining the enthusiasm of our constituency during the pandemic and virtual/hybrid conferences is an issue high on the list of the Council. The Sector is exploring options to continue to attract larger audiences to our events, even in the virtual environment.

Other information:

Monthly Chair Meetings

As part of the new organization, TEC Council is holding monthly meetings with the Chairs of the Technology Groups and separately, monthly meetings with the Division and Research Committee Chairs (Assembly of Divisions), to enhance collaboration, keep the lines of communication open, and to understand their needs.

Report to the Board

Member Development and Engagement Sector
November 2020 – June 2021

Top Key Accomplishments

The newly formed Sector is focused on engagement at the local level, and as we build relationships and identify the needs of local volunteers, the message is they are looking to ASME for training, tools, and individual support.

1. To that end, we provide monthly regional informational sessions, one-on-one section trainings and most recently, we virtually held the 4th Annual Group Leadership Development Conference. GLDC targets leadership roles in the system, and this year focused on DE & I in several sessions, emphasizing generational opportunities to expand our reach with ECE's. The keynote, Lindsey Pollak described bias and how to overcome it. We introduced SROI and the opportunity it offers to tell our story to a younger generation in a meaningful way. We provided specific skills training, including treasury requirements, successful operation of a section and meeting skills for a virtual and face to face environment. Year over year participation increased by 50% from North America and 100% from International; our largest audience to date and the feedback thus far has been very positive from local leaders.
2. The sector continues to respond to volunteers need for tools and resources by developing: Promotional Digital Materials to allow for brand recognition for sections on-line and in social media, a Professional Section Playbook for marketing sections to non-members highlighting the benefits of local involvement, a one-page timeline & ongoing action items resource guide for a quick reference, and the most popular addition for volunteers, the launch of Section Events Calendar on ASME.org. Since the launch in November, sections have submitted over 85 virtual events allowing members and sections from around the globe to participate.
3. Since November, an additional 5 sections have been revitalized for a total of over 17 thus far and, currently, 5 to 10 groups are working to revitalize in their local market.

Challenges:

1. We have robust student sections at over 500 universities globally, but we now know that less than 50% of those participants are true student members of ASME. They are members of the "campus club" but have not joined ASME. This means that it is impossible to track many graduating seniors, as we have no data or organizational relationship with them upon graduation. This will require dedicated staff time to gather data and build relationships to reverse this trend and gain these critical memberships.
2. As more International sections are revitalized or established, international banking, tax considerations and rules of local governments become more important to understand and for ASME to develop a strategy to manage for continued expansion and growth.

Other information:

- The Sector, working with Membership, now has a digital code for section members to use when recruiting new members to their local group. The code will be used to track new members joining ASME as the result of local section activities.

REPORT TO THE BOARD
Student & Early Career Development Sector
NOVEMBER 2020 – JUNE 2021

Key Accomplishments:

1. Accelerating success in digital

At the start of the pandemic, SECD pivoted to virtual delivery. With virtual webinars, Town Halls, E-Fest Careers (EFC), and E-Fest Digital (EFD), we've made great strides in developing the skills and capabilities to deliver compelling virtual experiences that attract and engage Student and Early Career audiences. In FY21, our two marquis events (EFC & EFD) drew 7,400+ registrants representing 79 countries. Attendees totaled over 2,750 from 52 countries. Between EFC 2020 and EFD 2021, we grew registrations by 27% and attendance by 43% while reducing marketing costs by 48% — a marked increase despite competition in the digital events space and extreme zoom fatigue in our audiences. As we adapted to meet the challenges of the pandemic, we maintained a comparable sized audience while reducing our delivery costs by 40% from FY20 to FY21.

2. The Career Engagement Center: Our next frontier

At Annual Meeting FY20, we shared our research and vision for the Career Engagement Center with the BOG. Since then, we've worked hard bringing it to life — developing detailed wireframes and requirements for an alpha build. The CEC integrates into the ASME IT Roadmap and will be delivered on top of ASME's Enterprise CRM platform. We plan to launch the alpha during E-Fest Careers 2021. The CEC platform will be for early career engineers what the E-Fest/EFx program have been for students. We hope to attract 500+ ECE's to the platform in FY22.

Challenges:

- SECD plans for all virtual events again in FY22 due to asymmetric reopening of in-person activities across the globe, liability concerns, venue booking lead time, economics of pandemic-era events, and travel budget restrictions for universities and sponsors.
- Pent-up demand for in-person events and virtual-event fatigue amongst Sector volunteers will require an innovative approach to continue to attract and retain Student and ECE attention.
- In FY21, we learned that it is difficult to segment the E-Fest and EFX brands in a virtual world as there are no barriers to global participation. In FY22, we need separate the brands again to set us up for success in FY23.
- We envision future E-Fest/EFx events will be hybrid in-person/virtual. A mix of in-person competitions and virtual career development content with local and global elements will continue the brand's growth among the global student audience and connect with our early career engineer pipeline.
- While the Pheedloop platform we use for E-Fest previously precluded paid registrations, at E-Fest Careers '21 we expect to introduce tiered offerings with premium offerings available to ASME members and paid attendees.
- Our high school track at E-Fest, offered in partnership with the PAO Pre-College Engineering Education Committee, shows great promise. However, there are complex challenges with data capture with this audience that we need to sort through in FY22 so we can begin to retain and grow this audience.

Other information:

Cross-Sector Master Operations Guide

In June, the SECD expects to adopt the master operations guide currently being drafted. The master operations guide seeks to ensure consistency and use of best practices across all Sectors; the document has been reviewed by all sector SVPs and received agreement on content. Each sector will maintain its own Charter Addendum as a living document — enabling a more agile structure, transparency of goals and KPIs, and alignment with Society.

Please plan to join us on 12 June 2021 from 9:00 AM to 11:00 AM EDT for the SECD Council Meeting during Annual Meeting.

Report to the Board

Public Affairs & Outreach (PAO) Sector
November 2020-June 2021

Top Key Accomplishments (1-3):

1. **Completed Sector Report/Recommendations:** The PAO Council finalized its findings after soliciting reviews of the organization's challenges and opportunities in the fields of bioengineering, robotics, clean energy, artificial intelligence, advanced manufacturing, and pressure technology. Coordinating with the ASME Strategy Team (which the Global Public Affairs and Programs teams report into), the Council has made headway in addressing meaningful ways of incorporating recommendations into related ASME messaging, strategy, and operations.
2. **Successful Virtual Outreach Events:** The ASME Global Public Affairs (GPA) team continues to tailor virtual events to key audiences—recording [town halls with government officials](#), including Members of Congress; congressional briefings; and community events, including highlighting the ASME Federal Fellows program. On YouTube alone, these videos have collectively received over 1,900 views since June 2020. A major development in this context is [ASME Policy Impact 2021](#), convened virtually between May 24-26, to include timely policy discussions, including a keynote by U.S. Secretary of Energy Jennifer Granholm. These sessions are open to the public, whereas ASME's first-ever virtual congressional visits platform (over 120 meetings) are reserved for ASME members who are U.S. citizens—a membership benefit that allows for grassroots interaction with policymakers as well as showcasing ASME's reach on Capitol Hill.
3. **Launched SROI Dashboards/Completed ISHOW India/Grew INSPIRE Reach:** ISHOW just completed its India program, with the Kenya program on deck for June 2021. Through an innovative new partnership with Discovery Education, INSPIRE has increased its reach to over 165,000 K-12 STEM students in FY2021. The program has also secured two new sponsors in DrillQuip Corporation and ComEd Foundation. ASME launched and continues to update a new set of social return on investment (SROI) [impact dashboards](#) that track the reach and impact of ASME's programs.

Challenges:

The ASME Programs and GPA teams have worked to maintain and bolster value-added content for ASME's membership and external stakeholders, while reimagining ways to innovate and pivot virtually with a global mindset beyond Engineering for Global Development (EGD) initiatives. Engaging with and captivating global stakeholders, nonetheless, remains challenging given the all-encompassing uncertainty of COVID-19 and related political unknowns. ASME's U.S. government relations have, however, been refocused given the Biden administration's significant commitments to issues of critical importance to ASME, including increased R&D and investment in science, technology, infrastructure, and diversity, equity, and inclusion (DEI).

Other information:

- The ASME Federal Government Fellowship program will receive significant investment from the ASME Foundation, ASME Petroleum Division, and ASME Bioengineering Division for up to six Fellows in FY2022.
- The Autodesk Foundation invested in a considerable grant toward ASME's Engineering for Change (E4C) Research Fellowship, enabling the program to [double in size](#) from 25 fellowships last year to 50 fellowships in 2021.
- Community College Pilot Program – ASME is conducting some initial research with community colleges to explore how we might better serve them and how we might better incorporate them into our network and programs.

Report to the Board

Council on Standards and Certification
November 2020- June 2021

Top Key Accomplishments (1-3):

1. **New Products.** (a) *ASME STB-1 Guideline on Big Data/Digital Transformation Workflows and Applications for the Oil and Gas Industry* was published December 25, 2020. This guideline is being developed to explain the current use and application of data analytics/science in the oil and gas industry. It also provides guidance on use of data analytics and machine learning/artificial intelligence to address a given business need. (b) *ASME PTB-13-Criteria for Pressure Retaining Metallic Components Using Additive Manufacturing* is scheduled for publication in June 2021. The document serves as a reference document that will facilitate the use of this process to construct and certify pressure equipment to the Boiler and Pressure Vessel Code as well as for construction of piping and other related components.
2. **ASME Staff Reorganization.** Over the last few months, the Standards and Conformity Assessment leadership, working with ASME senior staff, reevaluated how we organize our business units for a sustainable future that supports the ASME enterprise as well as its volunteer committee membership. As a result, the Standards and Conformity Assessment staff has been united into a single integrated reporting structure intended to bring focus and rigor to the creation of new platforms as well as a portfolio of products and services beyond standards. Also, this new structure is intended to increase collaboration, coordination, and cross-training of all support staff. The new department is named Standards & Engineering Services (SES).
3. **Conformity Assessment.** We continue to meet the ongoing challenges of COVID-19 and the absence of physical onsite activities. Conformity Assessment's (CA) robust virtual auditing program contributes to 39% of all scheduled activities involved with the issuance, maintenance, and renewal of ASME's Certificate programs. Also, we have approved processes for "Remote Inspections & Audits performed by the Authorized Inspection Agencies. Finally, CA's industry quality improvement initiative (QPS standard) will be available to the public in June 2021 with certification available in October 2021.

Challenges:

1. **C&S Connect Replacement.** The Implementation Phase of the C&S Connect Replacement Project will resume in FY22. We are currently working with the vendor in May and June to review the Discovery Phase documentation for Revalidation, which also includes consideration of IT infrastructure and systems changes and procedural updates. The Replacement Project consists of 14 modules that will expand functionalities and improve processes, efficiencies, and user experience.
2. **Procedure Changes.** Work is underway to finalize procedural revisions that implement the recommendations to improve process and efficiency of standards development. Consistency within the approval processes and operating procedures will increase volunteer and staff's operational efficiency. ANSI approval is expected Q1 of calendar 2022; full implementation by Q3 of calendar 2022.

Other information:

1. **Collaboration/Opportunities.** Standards staff participated on the TEC Digitalization Technology Group which provides for collaboration on model-based enterprise, big data and digital engineering products. Events include V&V Symposium and the Big Data Oil and Gas Summit Event. Papers were published in Digital Collection and in ASME Journals (VVUQ).
1. **Women in Standards & Certification (WiSC).** On April 13, 2021, WiSC held a webinar entitled "Career Purpose: Why Your Approach to Work Isn't Working." Over 170 attendees participated in this webinar presented by Engineering Life Coach, Gina Covarrubias. WiSC is also participating in the collection of information on methods to improve ASME's standards development process to be gender responsive.