**Membership Development**

**4.7** **Membership Survey – National Capital Section**

|  |  |  |
| --- | --- | --- |
| **1. Section, Branch** | National Capital Section |  |
| **2. Section/Branch Size** | Very Large |  |
| **3. Project Contact** |  | |
| Name | Christian J. Manalo, P.E., DEE | |
| Phone Number | (703) 626-1031 | |
| Email | [manalo\_christian@bah.com](mailto:manalo_christian@bah.com) | |
| **4. Project Category** | Membership Development | |
| **5. Project Description** | The National Capital Section (NCS) formed a Management and Best Practices Subcommittee in September 2010 to evaluate Section activities and identify means for optimizing value of NCS membership. As part of the Subcommittee’s efforts, a membership survey was conducted and the results provided in an interim finding report. | |
| **6. The Process**  (What you did, When and How) | The survey was performed as one part of a larger focused effort to improve benefits to our Section members. The survey was conducted via Cvent (www.cvent.com), an online service that members also use to register for section meetings. The survey began with an email announcement on December 8, 2010 and survey responses were received over a two- week period. The survey consisted of 12 mostly multiple-choice questions but also included open-ended questions where respondents could provide additional input. The survey results were compiled and interpreted to identify specific areas of improvement for the section. Results were also compared to an earlier membership survey performed in 1998 to identify trends over time. | |
| **7. Those in Charge** (Committee, Task Committee, Etc.) | The Subcommittee was formed upon approval of the Section Board of Directors. Work was led by a subcommittee chair and supported by members of the Section. | |
| **8. Time Frame**  (When Started, When Completed) | Subcommittee was formed in September 2010. Survey questionnaire was developed during the Fall of 2010 and conducted in December 2010. Results were analyzed throughout January 2011 and first presented to the Section leadership during its regular Board of Directors meeting in February 2011. Conclusions from the survey will also be included in a larger Subcommittee report to be completed by Fall 2011. | |
| **9. Success Factors**  (The Parts that Worked Really Well) | The survey questionnaire was craftily developed to ensure results would be beneficial to the decision-making of the Section leadership. Issues of concern included how to improve attendance at Section meetings and greater participation among our members. Most questions dealt with providing insight into these two specific issues. The questions were vetted among Section leaders prior to releasing the survey. Additionally, results of the survey were not simply released as-is. Answers to each survey question were analyzed deeply to determine linkages with answers to other questions and identify trends among demographics and over time. | |
| **10. Setback Factors**  (The Parts that did Not Work Well) | Response rate to the survey was about 16-percent of our members, which is approximately the same percentage that responds to our Section monthly meeting announcements. A higher rate would have been preferred. A high-level analysis of the respondents’ backgrounds however correlated well with demographic information that we already possessed from our membership database (e.g., ages, gender, specialties, etc.). | |
| **11. Creativity**  (This is something off the wall that we did) | Among the innovative things we did was to map out the locations where members both worked and lived to find out where the optimal locations would be for meetings both in the daytime and in the evening. Another thing we did was find out what other professional or industry associations that members were a part of to identify potential organizations for joint activities and also to coordinate the timing of future events. | |
| **12. Administration**  (What was most Important?) | It was important to have a Subcommittee chair and members with strong interest in organizational development and improvement. The Subcommittee met near weekly during its first three months to discuss and plan activities, including survey development, interviews of key leaders, literature review, and data interpretation. | |
| **13. Follow-Up**  (What was most important?) | A fair amount of resources were required to interpret data after receiving the survey results. Even after initial presentation of the survey’s findings, follow-up questions were naturally asked by the Section leadership. Questions such as which types of members answered questions in certain ways proved helpful in answering to delve into the root causes for issues that were identified. | |
| **14. Recommendations**  (What you should ALWAYS do with this project?) | This survey was largely a success not only in the results that were discovered but even the process itself. By announcing and advertising the survey, Section members were appreciative of the efforts being made by the Section leadership to evaluate its own performance in trying to improve the value of their membership. | |
| **15. Cautions**  (What you should NEVER do with this project?) | The large amount of data received from the survey could be interpreted in many ways. The results must be looked at objectively and carefully in order to be truly reflective of the interests and needs of Section members. | |
| **16. The Outcome** | The Section leadership continues to review the results of the survey as needed when planning activities, including but not limited to the selection of topics, speakers, locations, and timing. | |
| **17. Ongoing Activity**  (Would you do it again?) |  | |
| **18. Speaker Contact Information**  (person from your Region who would be willing to speak about the Best Practice) |  | |
| Name |  | |
| Address |  | |
| Phone Number |  | |
| Email |  | |
| **19. Additional Comments** | This Best Practice includes the following attachments:   * Survey results * Survey questions | |



**ASCE-NCS Management and Best Practices Subcommittee**

**PRELIMINARY FINDINGS REPORT – Part 1**

**July 6, 2011**

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Introduction and Background

Member Analyses

Best Practices Review

Meetings Analysis

Conclusions and Recommendations

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**Executive Summary**

The ASCE-NCS Management and Best Practices Subcommittee was developed to evaluate

Section activities and identify means for optimizing the overall value of NCS membership.

Work consisted of identifying member interests, exploring best practices, and evaluating meetings and other activities. As part of this work, a membership survey was conducted and interviews were held with NCS leadership, university faculty, and other chapters and organizations.

Overall, members expressed general satisfaction with NCS (survey showed 89-percent favorable rating), and interest in section activities has been increasing over the past few years. Several activities stand out in particular for their success, including university engagement, Young Members Forum, Sustainability Awards Banquet, and monthly section meetings.

There are a number of areas where further gains can be made, particularly in attracting and retaining next generation of leaders and widening the scope of activities to include greater areas of interest. Many ideas are suggested within this report, including greater involvement by committees.

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**Executive Summary (cont’d)**

Construction was identified as the area of greatest interest per the membership survey (45%).

This was followed almost equally by Transportation & Development, Environmental and Water Resources, and Structural Engineering (34-36%). Other significant areas included Sustainability, History & Heritage, Geotechnical Engineering, and Architectural Engineering.

24-percent of members are over the age of 65. 22-percent of members are under the age of

35.

Meetings were most desired on Tuesdays, Wednesdays, and Thursdays. Time of day for meetings was nearly split with 45% of respondents preferring evening and 41% daytime.

Washington DC and Arlington were the area’s most members preferred as the meeting location (up to 22%), however a significant number of members selected Tysons Corner (17%). A substantial number of members also selected Rockville and Bethesda (10%).

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**Introduction and Background**

The Management and Best Practices Subcommittee was formed to evaluate Section activities and identify means for optimizing the value of NCS membership. Subcommittee activities include:

* + Analysis of monthly meetings, including attendance, costs, and benefits;
  + Compiling and reviewing industry statistics and studies applicable to Section activities;
  + Developing and conducting membership survey, and analyzing responses;
  + Assessing and evaluating young member and university involvement;
  + Reviewing best practices of other ASCE chapters and organizations for potential adoption by NCS;
  + Evaluating geographic and demographic distribution of NCS members to assist in planning future activities; and
  + Identifying and evaluating potential partnerships and sponsorships.

The Subcommittee was formed in September 2010 and chaired by Christian Manalo.

Subcommittee members included Rollie Berry, Kari Kubista, Nashwa Alrawahy, and Isaias

Espinoza.

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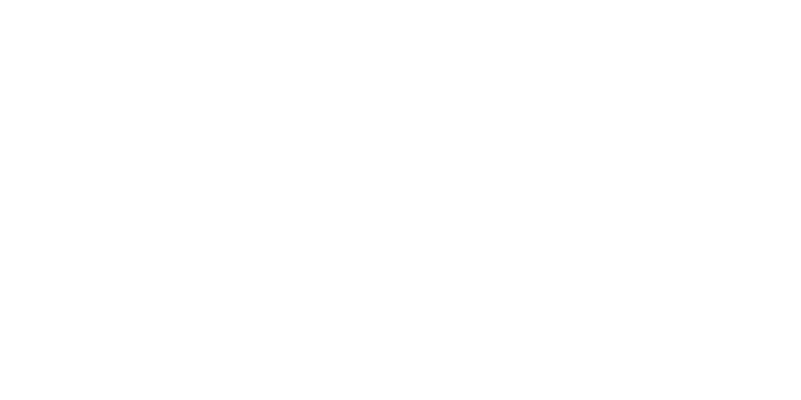
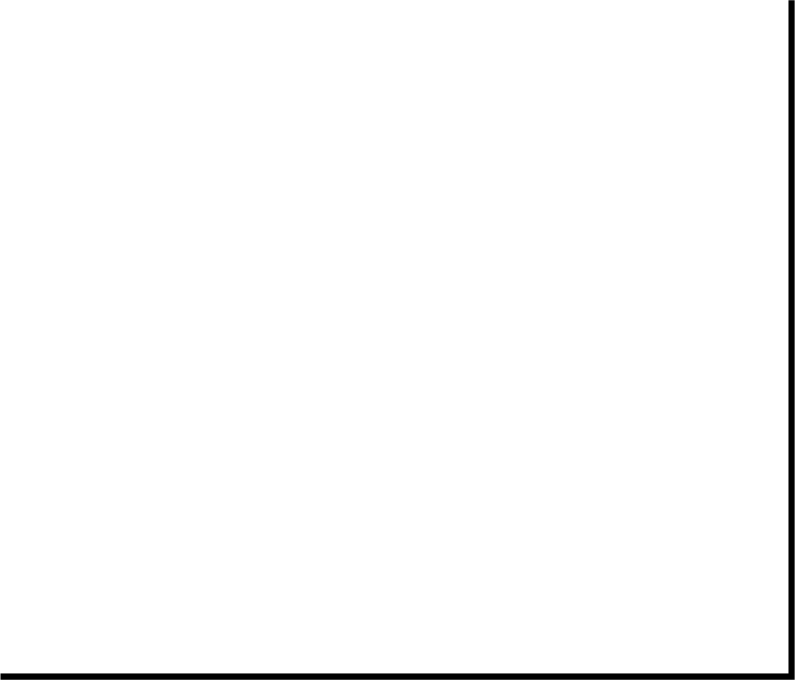
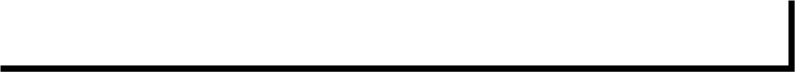
Best Practices Review

Meetings Analysis

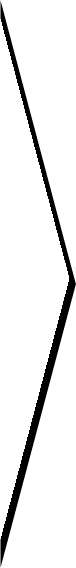
Conclusions and Recommendations

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**ASCE-NCS member backgrounds were evaluated to identify interests and assess their level of engagement with section activities**



Membership roster from August 2010 was evaluated for information regarding membership grades, institutes involvement, education levels, and other demographics.



A membership survey was performed over a three-week period in December 2010 to further identify areas of interest, identify barriers to participation, assess member satisfaction, and gain other input for improving section activities.

A previous membership survey was performed in 1998. Results from the previous survey were compared to current data to identify any trends.

**Evaluation Statistics**

3,059 members are included in the August 2010

membership roster.

488 persons responded to the December 2010 membership survey, approx. 16%. As such, the results are not fully representative of NCS members as a whole; an inherent bias exists in the results. Typical open rate for NCS general meeting announcements is 18-20%.

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**Membership dropped across most membership grades since 1998, with exception of Students, which increased more than 50-percent**

Overall membership dropped

approx. 7% since 1998 (from 3,265

to 3,053).

* + - Reductions between 7-9% occurred across most grades – Member, Associate, Affiliate, and Fellow.
    - Student membership increased 51-percent

MEMBER

ASSOCIATE

AFFILIATE

FELLOW



225

203

310

651

598

*1998 2010*

1721

1866

Life Members currently make up

22% of our membership.

General membership reduction may be due to larger industry trend…. technical persons trending

STUDENT

2

HONORARY

5

207

211

319

toward IT professions.

0 200 400 600 800 1000 1200 1400 1600 1800 2000

Notes:

1. 2010 values are based on ASCE-NCS membership database dated August 2010. 1998 values are based on previous membership database.

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**Primary interest in Architectural and Geotechnical Engineering increased significantly since 1998, while Environmental/Water Resources and Transportation/Development dropped significantly**

Contributors to changing demographic include industry trends, however committee activity and speaker lineup for monthly meetings can also play a major factor.

Water/Environment: Approx. 20% of NCS members are also a member of a sister water organization (AWRA,

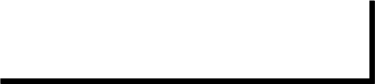
Engineering Mechanics

Oceans, Coastal, Ports & Rivers

Architectural Engineering

Geotechnical Engineering

Transportation & Development



1%

2%

3%

4%

1%

7%

4%

10%

*1998 Survey (All Members) 2010 Institutes (All Members)*

18%

FWQA, WEF, AWWA).

Transportation/Development: Approx. 8% of NCS members are a member of a sister transportation organization (AASHTO, APTA, TRB)

Construction

Structural Engineering

Environmental & Water Resources

13%

16%

19%

20%

20%

25%

37%

Notes:

1. Members were placed in only one category of interest.

0% 5% 10% 15% 20% 25% 30% 35% 40%

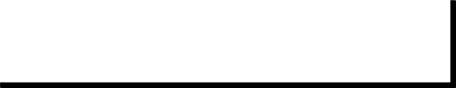
1. 2010 values are based on all NCS members in ASCE Institutes. 1998 values are also based on all NCS members, combining multiple interest areas matching the Institutes’ focus.
2. 1998 Environmental/Water Resources includes Water Resources Planning & Mgmt., Water Resources Engg., and Environmental Engg.. 1998 Transportation & Development includes Transportation Engg., Urban Planning & Development, and Air Transportation.

**Members responding to the 2010 survey closely match demographics of the overall NCS membership**

Institute participation among survey respondents matched

Engineering Mechanics

**Institute Participation**



2%

2%

very closely to proportions in the

membership database (as

shown in chart).

4%

Oceans, Coastal, Ports & Rivers

4%

7%

Architectural Engineering

7%

*2010 Membershjp Database*

*2010 Survey Respondents*

Median age for all NCS members was 53; median age for survey respondents was 54.

Responses to the 2010 survey must still be viewed in light of only a

16-percent response rate.

Geotechnical Engineering

Transportation & Development

Construction

Structural Engineering

Environmental & Water Resources

10%

11%

13%

15%

19%

18%

20%

18%

25%

26%

Responders tend to be more active, interested, or have more time.

0% 5% 10% 15% 20% 25% 30% 35% 40%

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**Construction was identified as the greatest overall area of interest, followed almost equally by Transportation/Development, Environmental/Water Resources, and Structural Engineering**

Construction Transportation and Development Environmental and Water Structural Engineering

Sustainability History and Heritage Geotechnical Engineering Architectural Engineering

Coastal, Oceans, Ports and Rivers

Engineering Mechanics

10%

6%

36%

35%

34%

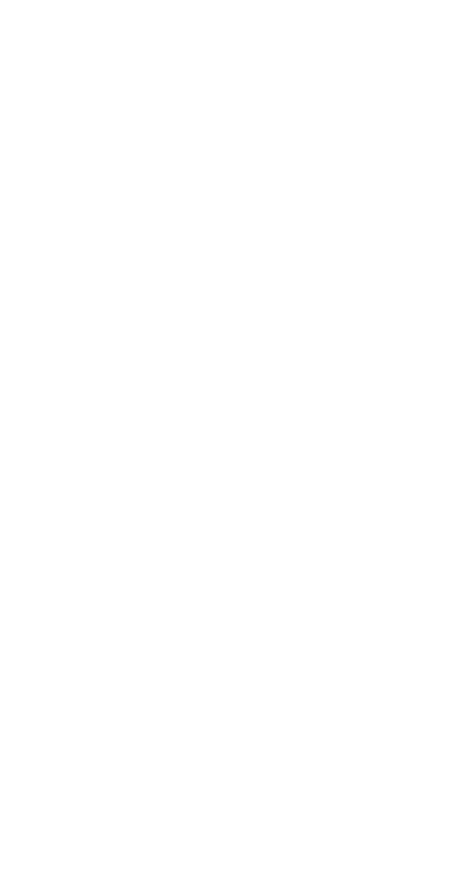
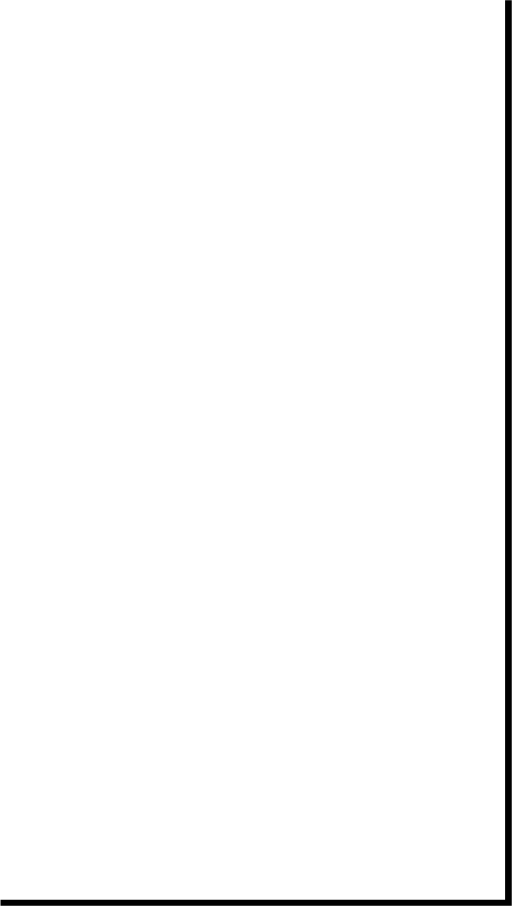
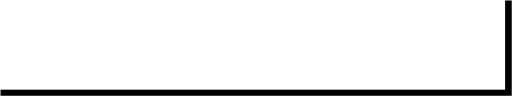
28%

24%

21%

18%

45%



**Other Areas of Interest as**

**Identified by Respondents**

Critical Infrastructure

Leadership & Management

BIM (Building Information Modeling) Intelligent Infrastructure

Highway retaining walls Project/CN Management

Medical facilities

Energy & energy efficiency

Risk & reliability Project Management Airports & Railways

Low Volume Road Development &

Maintenance

Geomatics Engineering Green Energy Innovation Fire Protection

Other

7%

0% 10% 20% 30% 40% 50%

Hydraulics & Hydrology

Marketing

Natural Disasters International Development Conflict Resolution & Public

Participation

Notes:

Respondents allowed to select more than one area of interest.

Sustainability, a relatively new concept, also received a significant amount of interest.

Engineering & Project management Site Design/Land Development Engineering & Process Automation Facility Maintenance

Security

International; management I

1. Values based on 2010 membership survey.

**Washington DC, Arlington, and Tysons Corner were selected as the locations members most preferred to meet, irrespective of day or time**

Washington, DC

Arlington Tysons Corner Alexandria Rockville Bethesda Gaithersburg

Other

13%

9%

22%

21%

26%

38%

44%

48%

0% 10% 20% 30% 40% 50% 60%

Notes:

1. Values based on 2010 membership survey.
2. Respondents were allowed to select more than one

location.

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**The geographic distribution of members mostly centers around DC, Arlington, and Tysons Corner during the work day**

****

23% of members identified

their work location as DC.

>55% of members are located within a 20-minute

drive to Arlington.

Locating a daytime meeting in Arlington may be considered an ideal location, specifically if its’ close to Metro and Route 66 (e.g., Rosslyn)

Notes:

1. Based on responses to 2010 membership survey,

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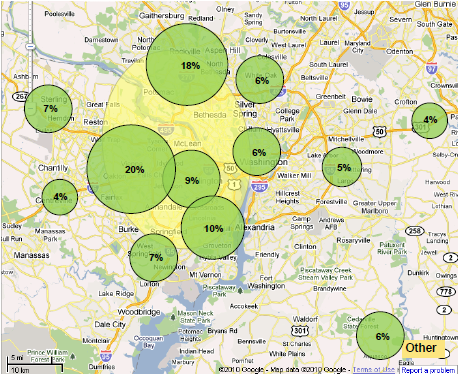
**In the evening, the population shifts significantly westward into Virginia and towards Montgomery County**

Notes:

DC population drops substantially from 23% in daytime to 6% in evening.

Nearly 75% of members are located within a 30- minute drive of Tysons Corner (non-rush hour).

Locating an evening meeting en-route between Arlington and Tysons Corner may be considered an ideal location (e.g. Ballston, Falls Church). Proximity to Metro would be critical to accommodate rail commuters.



1. Based on responses to 2010 membership survey,

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**Members selected Tuesday, Wednesday, and Thursday as the most preferred days for meeting**

Friday, Saturday and Sunday were the least preferred days to meet.

Some interviewed members expressed interest in performing construction site visits on Saturdays.

Scheduling regular meetings on the same day of the week each month generally improves attendance.

90%

80%

70%

**Most Preferred Days for Meeting**

60%

50%

40%

30%

20%

10%

67%

81% 80% 82%

59%

56%

47%

0%



Notes:

1. Based on responses to 2010 membership survey.
2. Respondents were allowed to select more than one day.

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**Members preferring to meet in the daytime nearly equaled that of those who preferred the evening**

NCS should strongly consider scheduling regular meetings in the daytime. Members also tend to be more concentrated in population centers during the day.

***All Respondents***

Daytime Only (Morning, Lunch, or Afternoon)

Evening Only

41%

45%

Of members interested in meeting during the daytime,

Daytime or Evening

14%

0% 20% 40% 60%

most preferred time was during lunch.

***All Respondents Selecting Daytime***

Morning Lunch Afternoon

21%

27%

71%

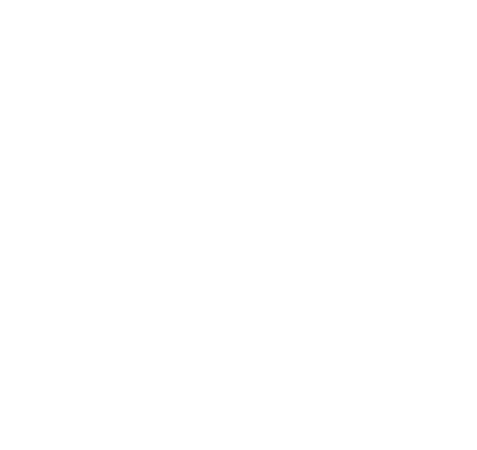
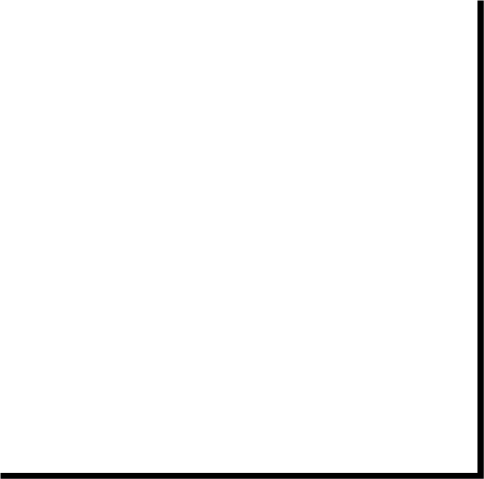
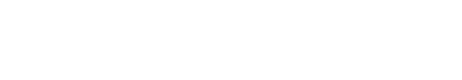
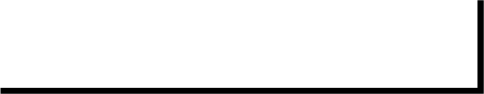
Notes:

1. Based on responses to 2010 membership survey.
2. Respondents were allowed to select more than one time of day. Less than 20% of respondents selected more than one time.

0% 20% 40% 60% 80%

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**Education/Learning was the benefit of most interest to members, followed by Networking opportunities**



Education/Learning (e.g., listening to speakers and topics of interest)

Networking (e.g., meeting/socializing with fellow CE professionals)

Volunteer opportunities

Other

15%

5%

51%

71%

**Other Benefits of Interest as Identified by Respondents**

Training seminars Engineering Articles

History & Heritage events

Observe efficacy of association PDH Credits

Critical Infrastructure Business development

Project Experiences and Industry Best

Practices

Association

0% 20% 40% 60% 80%

Events that provide an opportunity to both educate and network are ideal in terms of receiving the greatest number of attendees.

Local mailings Newsletter

Occasional Programs

Professional Development Publications

Education/learning is primarily a function of the topic.

Topics/speakers should be selected based on members’ interests as identified in survey.

Monthly meeting structure can potentially be modified to devote more time/attention toward networking (e.g., sponsors welcome table, recognizing special guests, approachability of speaker and Board, facilitating introductions, etc.)

Notes:

1. Based on responses to 2010 membership survey.
2. Respondents were allowed to select more than one benefit.

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**The main reason members are unable to attend meetings is due to time; travel and interest level are also major reasons**

I do not have time to attend Their meetings are held outside of my local

area and I am not willing to travel to attend

The topics and/or speakers do not interest me

The meals are too expensive

I do not receive information in a timely manner to put the meeting on my calendar

27%

27%

9%

7%

59%

Other

15%

0% 20% 40% 60% 80%

Of those respondents that did not have time to attend, only 12-percent noted that the meetings were outside their local area, and they were not willing to travel to attend.

40-percent of respondents responded that they are reimbursed for registration costs.

31-percent would be encouraged if a guest/spouse could attend for free or at a discount.

Notes:

1. Based on responses to 2010 membership survey.
2. Respondents were allowed to select more than one reason.

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**Members are active in many other associations, specifically SAME, NSPE, and Water/Environmental organizations**

Society of American Military Engineers (SAME) National Society of Professional Engineers (NSPE)

Engineers without Borders (EWB) American Water Works Association (AWWA)

U.S. Green Building Council (USGBC) Water Environment Federation (WEF)

American Association of State Highway and… Structural Engineers Association (SEA)

Construction Management Association of America (CMAA)

11%

10%

9%

8%

5%

5%

5%

5%

4%

American Water Resources Association (AWRA) 3% American Academy of Environmental Engineers (AAEE) 2%

American Public Transportation Association (APTA) 2%

Society of Women Engineers (SWE) 2%

American Public Works Association 2% Transportation Research Board 1%

**Highest Selected**

**Water/Environmental Transportation Sustainability**

**Other**

20%

8%

5%

Notes:

Association for the Advancement of Cost Engineering… 1% Federal Water Quality Association (FWQA) 1%

Institute of Electrical and Electronics Engineers (IEEE) 1% American Institute of Chemical Engineers (AlChE) 1%

American Planning Association (APA) 1% American Society of Mechanical Engineers (ASME) 1% National Ground Water Association (NGWA) 1%

American Institute of Architects (AIA) 0%

American Nuclear Society (ANS) 0% Geospatial Information and Technology Association (GITA) 0%

Institute of Industrial Engineers (IIE) 0% International Association of Emergency Managers (IAEM) 0%

Joint membership provides opportunities to reach out to other organizations.

Conversely, competition for time and

interest can reduce member involvement.

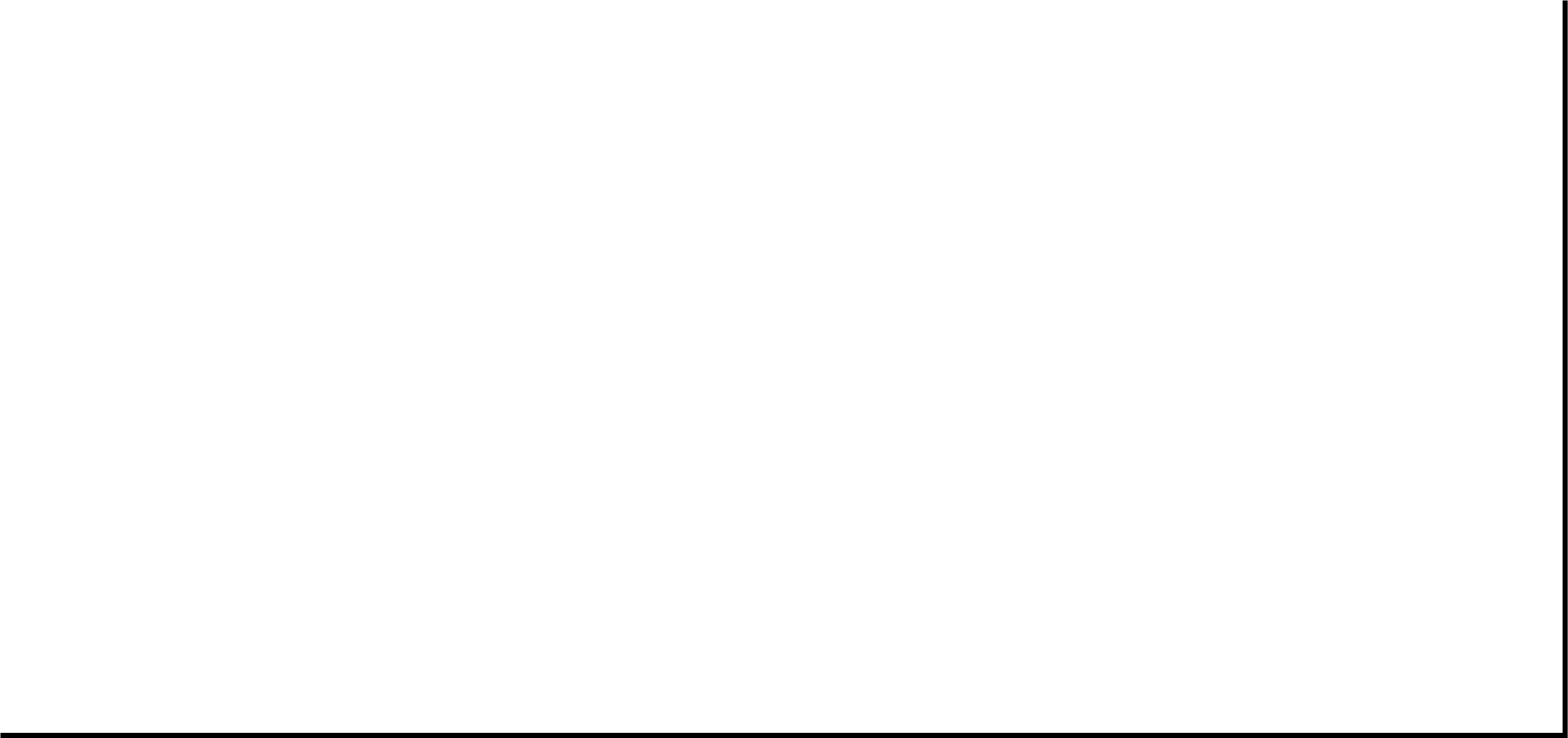
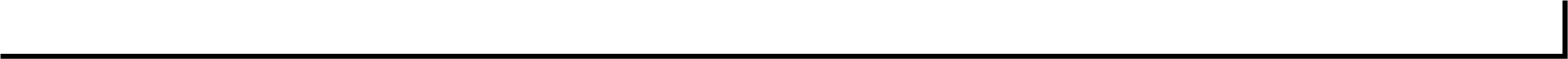
Based on responses to 2010 membership survey. Respondents were allowed to select multiple answers. Approx. 130 of 488 respondents noted they were a member of an association “other” than those listed.

0% 2% 4% 6% 8% 10% 12%

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**Of the highest overlapping organizations, only SAME, AWRA, and FWQA were identified as having regularly scheduled monthly or bimonthly meetings**

**Regular Meeting Schedule**



Society of American Military Engineers (SAME) DC Post– meets 3rd or 4th Thursday each month at DC Navy Yard

Northern Virginia Post – meets 1st Thursday of each month at Ft. Belvoir

National Society of Professional Engineers (NSPE) DCSPE: meets 1st Friday of each month; VSPE: no regularly scheduled meetings Engineers without Borders (EWB) DC: meets 3rd or 4th Thursday of each month

American Water Works Association (AWWA) CSAWWA/VAAWWA – no regularly scheduled monthly meetings U.S. Green Building Council (USGBC) No regularly scheduled monthly meetings

Water Environment Federation (WEF) NVRAC and CWEA – no regularly scheduled monthly meetings

American Association of State Highway and Transportation Officials (AASHTO) No regularly scheduled monthly meetings

Structural Engineers Association (SEA) Metro DC: regularly meets monthly on Wednesdays; week varies Construction Management Association of America (CMAA) No regularly scheduled monthly meetings

American Water Resources Association (AWRA) Meets every other month (Sep, Nov, Jan, Mar, May); day varies American Academy of Environmental Engineers (AAEE) No regularly scheduled monthly meetings

American Public Transportation Association (APTA) Unknown Society of Women Engineers (SWE) Unknown

American Public Works Association DC/MD/VA Section - No regularly scheduled monthly meetings

Association for the Advancement of Cost Engineering International (AACEi) Unknown

Federal Water Quality Association (FWQA) Generally meets every other month (Oct, Dec, Feb, Apr); day varies Institute of Electrical and Electronics Engineers (IEEE) Unknown

American Institute of Chemical Engineers (AlChE) Unknown American Planning Association (APA) Unknown American Society of Mechanical Engineers (ASME) Unknown National Ground Water Association (NGWA) Unknown American Institute of Architects (AIA) Unknown American Nuclear Society (ANS) Unknown Geospatial Information and Technology Association (GITA) Unknown Institute of Industrial Engineers (IIE) Unknown International Association of Emergency Managers (IAEM) Unknown

Notes:

1. Information obtained primarily through website research.

**ASCE-NCS members include alumni from all the local college civil engineering programs, most notably George Washington and Catholic Universities**

University of the District of Columbia 2

George Mason University 7

Howard University 7

Catholic University 17

George Washington University 19

0 5 10 15 20

Local alumni provide opportunities for mentorship, speaker engagements, career counseling,

and networking.

The faculty advisor for all local student chapters were interviewed during this study; strong interest was expressed in having NCS assist with identifying job opportunities, career counseling, and increased presence of professionals at campus events.

Notes:

1. Based on responses to 2010 membership survey.

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**Overall satisfaction in ASCE-NCS is very high, although improvements can be made**

80%

70%

60%

50%

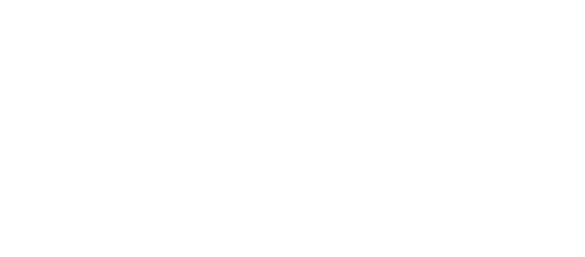
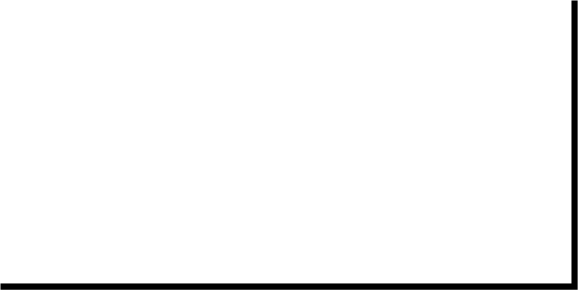
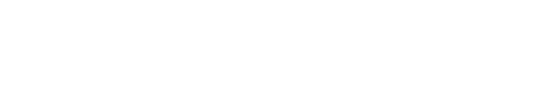
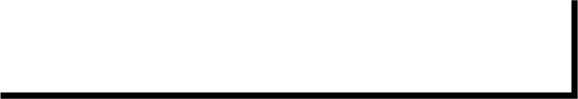
40%

68%

Nearly 90-percent of respondents expressed satisfaction with ASCE-NCS, 21-percent of whom expressed extreme satisfaction.

It should be re-emphasized that survey yielded a 16-percent response rate and level of satisfaction among non-respondents is uncertain.

30%



20%

21%

**Comments Provided and Notes for**

**Extremely Dissatisfied Members**

10%

0%

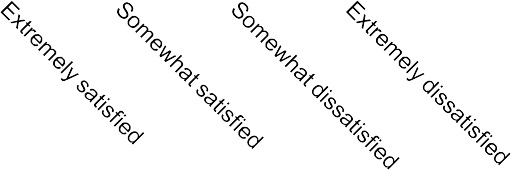
10%

1%

* + More appealing meeting venues with better food.
  + Broader range of speakers (but maybe it's just

me and my particular interests that cause

your programs not to interest me).

* + No reason given.
  + Schedule, expensive, location
  + Interested in speaking (??)

Notes:

1. Based on responses to 2010 membership survey.

**Participation with ASCE-NCS is primarily focused around attending meetings of interest**

350

300

250

200

150

100

335

68

The vast majority of members would like to participate with NCS by attending meetings. Reasons for such include educational/learning and networking opportunities.

14% of respondents expressed interest in helping with outreach activities, while 8% are interested to help plan events and meetings.

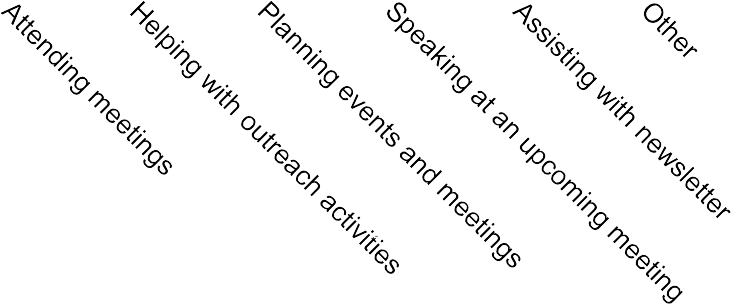
7-percent of respondents expressed interest in speaking at a future

event.

50 40 35

11 18

0



**Othersd theFollowing:**



**Thank you for verifying the below information.**

|  |  |  |
| --- | --- | --- |
| **\***Work ZIP/Postal Code: |  |  |
| Home ZIP/Postal Code: |  |  |

**Which subject area(s) are of most interest to you?**



Environmental and Water Resources

Architectural Engineering



Construction

Coastal, Oceans, Ports and Rivers



Engineering Mechanics

Geotechnical Engineering



Structural Engineering

Transportation and Development



History and Heritage

Sustainability

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Other: |  |  |

**Which benefit do you most like to get out of our section?**



Networking (e.g., meeting/socializing with fellow CE professionals)

Education/Learning (e.g., listening to speakers and topics of interest)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Volunteer opportunities | | |
|  | | |  |  |



Other

**Are you reimbursed for the costs of registering for ASCE-NCS events?**



No Yes

**Which day(s) do you least prefer to meet**



Monday

Tuesday



Wednesday

Thursday



Friday

Saturday



Sunday

**Which time(s) of day do you most prefer to attend events, irrespective of location**



Morning

Lunch



Afternoon

Evening

**Which location do you most prefer to meet (please choose up to three locations)?**



Washington, DC

Arlington



Alexandria

Tysons Corner



Bethesda

Rockville

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Gaithersburg | | |
|  | | |  |  |



Other

**The main reason(s) I have not attended Section meetings in the past**



I do not have time to attend meetings when they are offered

The topics and/or speakers do not interest me



I do not receive information in a timely manner to put the meeting on my calendar

The meals are too expensive



The meetings are held outside of my local area and I am not willing to travel to attend

N/A

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Other |  |  |

**If you were allowed to bring a guest or spouse to a meeting at a discounted fee (or at no charge), would this encourage you to attend a meeting?**



Yes

No

N/A

**What other industry/trade associations do you belong to? (list all that apply)**



American Academy of Environmental Engineers (AAEE)

American Association of State Highway and Transportation Officials (AASHTO)



Association for the Advancement of Cost Engineering International (AACEi)

American Institute of Architects (AIA)



American Institute of Chemical Engineers (AlChE)

American Nuclear Society (ANS)



American Planning Association (APA)

American Public Transportation Association (APTA)



American Society of Mechanical Engineers (ASME)

American Water Resources Association (AWRA)



American Water Works Association (AWWA)

Construction Management Association of America (CMAA)



Engineers without Borders (EWB)

Federal Water Quality Association (FWQA)



Geospatial Information and Technology Association (GITA)

Institute of Electrical and Electronics Engineers (IEEE)



Institute of Industrial Engineers (IIE)

International Association of Emergency Managers (IAEM)



National Ground Water Association (NGWA)

National Society of Professional Engineers (NSPE)



Society of American Military Engineers (SAME)

Society of Women Engineers (SWE)



Structural Engineers Association (SEA)

U.S. Green Building Council (USGBC)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Water Environment Federation (WEF) | | |
|  | | |  |  |



Other



**How do you rate your overall satisfaction with the ASCE-NCS?**

Extremely satisfied

Somewhat satisfied

Somewhat dissatisfied

Extremely dissatisfied

NA

**Please list any areas where the NCS needs improvement:**

**Please list any additional comments (positive or negative feedback):**

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