

Joint Board-Council Committee on Environmental Improvement 18-19 August 2018, Boston, MA

Vision: A sustainable world enabled
through the sustainable practice and use of chemistry.

Mission: Advance sustainability thinking and practice
across ACS and society for the benefit of earth and its people.

Website:

<http://www.acs.org/content/acs/en/about/governance/committees/cei.html>

Blog:

<https://communities.acs.org/groups/cei>

Social Media Links:

Twitter: @ACS_CEI

LinkedIn group: ACS CEI

Facebook: <http://www.facebook.com/ACSCEI>

UPCOMING MEETINGS

Date	Location	Meeting Theme (Chair)
Spr. 2019, Mar. 30-31	Orlando	Chemistry for New Frontiers (Mike Meador and Luke Roberson)
Fall 2019, Aug. 24-25	San Diego	Chemistry of Water (Elise Fox and Chris Avery)
Spr. 2020, Mar. 21-22	Philadelphia	Macromolecular Chemistry: The Second Century (Tim Lodge and Kris Matyjaszewski)
Fall 2020, Aug. 15-16	San Francisco	Chemistry from Bench to Market (Janet Bryant and Judy Giordan)
Spr. 2021, Mar. 20-21	San Antonio	TBD

The full tentative schedule of ACS National Meetings is available at the following website:
<https://www.acs.org/content/acs/en/meetings/national-meeting/about/future-meetings.html>

ATTENDANCE (Group photo in Appendix 1)

Members, Associates, Consultants, and Liaisons:

- ***In attendance:*** Jurgen Exner (Chair), Ray Garant (Staff Liaison), Kate Aubrecht, Chris Avery (Portfolio Manager), Marie Bourgeois, Michelle Brann (YCC Liaison), Ed Brush, George Cobb, Jetty Duffy-Matzner (ConC Liaison), Jurgen Exner, Jack Fowle, Elise Fox (Portfolio Manager), Robert Giraud, Jillian Goldfarb, Carol Henry, Katie Hunt, Keisuke Ikehata, John Jayne, Michael Matthews, Cathy Middlecamp, Sherine Obare (Portfolio Manager), Melissa Pasquinelli (Secretary), Keith Peterman, Barclay Satterfield (Portfolio Manager), Paul Schorr, Susan Shih (SOCED Liaison), Peter Smith, Jennifer Tanir, Jane Wissinger
- ***Excused:*** Faye McNeill, Jennifer MacKellar (GCI)

ACS Staff: David Constable (GCI), Carl Maxwell (EAC)

Guests: Bill Carroll, Task Force on Governance Design; Brandi Neifert, ACS Public Policy Associate; Stephanie DeLuca, MoveOn; Laura Pence, Chair of the Board Committee on Public Affairs and Public Relations

APPROVAL OF INTERIM ACTIONS

As our first order of business, the Committee voted by voice to *certify the interim actions of approving the minutes of the 17-18 March 2018 meeting of the Committee in Boston, MA.*

MOTIONS

- The Committee voted by voice to approve *the ACS Policy Statement on Energy as given in the agenda book.*
- The Committee voted by voice to approve *the ACS Policy Statement on Hydraulic Fracturing as given in the agenda book.*
- The Committee voted by voice to *convene a writing team for the ACS Policy Statement on Chemical Risk Assessment and Regulatory Decision Making.*
 - Jurgen Exner appointed Marie Bourgeois to lead the writing team.
- The Committee voted by voice to *convene a writing team for the ACS Policy Statement on Climate Change.*
 - Jurgen Exner appointed John Jayne to lead the writing team.
- The Committee voted by voice to *fund the Local Section Sustainability Activity Grant Proposal from the Savannah River Local Section. (One abstention: Elise Fox)*
 - Jurgen Exner appointed Elise Fox to serve as liaison to this local section for this mini-grant.
- The Committee voted by voice to *fund the Local Section Sustainability Activity Grant Proposal from the Illinois Heartland Local Section.*
 - Jurgen Exner appointed Jillian Goldfarb to serve as liaison to this local section for this mini-grant.
- The Committee voted by voice to approve *the 2019-2021 Strategic Plan as given in the agenda book, with slight modifications discussed by the committee. (One abstention: Barclay Satterfield)*

PROJECT WORK

The committee spent some time on Saturday afternoon and Sunday morning working in project teams according to the following schedule:

Saturday, August 18	Sunday, August 19
2:30 p.m. – 3:15 p.m.	9:15 a.m. – 10:00 a.m.
Local Section Engagement (Mike Matthews)	UN Sustainable Development (Ed Brush, Jane Wissinger)
Water Statement (Robert Giraud)	Fall 2019 Meeting Programming (Chris Avery and Elise Fox)
CPT revisions (Ed Brush)	Synthetic Biology Fact Sheet (Carol Henry)
Industry Relations (PISCES) (Katie Hunt)	

EXECUTIVE SESSION ON GOAL 1 (Saturday 5:15 – 5:45 pm)

The current portfolio dashboard and project updates for Goal 1 are given in *Tab 7 of the Agenda Book*. Additional discussions and updates on particular projects are given below, and other project items such as minutes or slides are given in *Appendix 2*.

GOAL 1: Engage key researchers, industry decision makers, and consumers to incorporate sustainability into their practice and use of chemistry.			
Strategy		Lead	Report
1.1.2016	Programming strategic planning	Tanir	<i>(No report.)</i>
1.2.2016	Supply chain sustainability workshop	Satterfield and Tanir	Workshop was very successful. In the report on page 7-4 of the agenda book, follow-up activities were proposed.
1.3.2016	Communications	McNeill (presented by Avery)	Content to be pushed out through social media is needed. Please send items to Faye. <i>See also slides in Appendix 2.</i>
1.4.2016	PISCES (industrial activities)	Hunt	Final report is on page 7-7 of agenda book.
1.5.2016	Film series	Obare	<i>See Fall 2019 meeting planning below.</i>
1.6.2017	U.N. Sustainable Development Goals	Brush	Team plans by ACS Orlando to come up with goals, mission, vision, and measurable objectives. Will put into context into CEI current and future programming, including who could be stakeholders, contributors, and collaborators, both within ACS and externally? Will also include communication plan. <i>See also slides in Appendix 2.</i>

EXECUTIVE SESSION ON GOAL 2 (Saturday 1:30 – 2:30 pm)

The current portfolio dashboard and project updates for Goal 2 are given in *Tab 8 of the Agenda Book*. A general discussion was done on policy statements in general, and how we need to keep in mind both domestic and global perspectives, although the emphasis is intended to be domestic. Additional discussions and updates on particular projects are given below.

GOAL 2: Equip ACS members and advocates to be influential voices about policies in sustainable chemistry via development of appropriate tools for the relevant audiences.			
Strategy		Lead	Update
2.1.2016	Government Relations	Fox	<i>(No report.)</i>
2.2.2017	Energy Policy Statement	Jayne	9 people on the team, 3 from CEI, 3 from ComSci, 2 from CCPA, 1 from CA, and 1 from Division of Energy and Fuels.

			<i>See motion given above.</i>
2.3.2017	Hydraulic Fracturing Policy Statement	Cobb	<i>See motion given above.</i>
2.4.2018	Climate Toolkit	McNeill (presented by Jayne)	<p>ACS Climate Science Toolkit was created in 2009, intended for ACS members to provide background information on climate science. Describes timeless physical principles, so the basic information will not become out of date. CEI became the custodians in 2017.</p> <p>Immediate need (McNeill, Jayne): clean up/update links and references, and the ‘climate narratives’ that take ‘devils advocate’ tone may be misunderstood.</p> <p>Long-term need: expand materials to other audiences (Jorgenson). The AACT Education Committee may be interested in using the content.</p> <p><i>See also slides in Appendix 2.</i></p>
2.5.2017	Water Treatment and Conservation Policy Statement	Giraud	<p>Statement was rejected by PA&PR because it was geared toward water professionals and chemists, not policymakers, and thus writing will no longer continue. The old statement is the one that will continue.</p> <p>Team plans to publish a perspective piece on it in ES&T; already have some co-authors, and open to more.</p>
2.6.2017	Inherently Safer Technologies Policy Statement	Weber	<i>(No report.)</i>
2.7.2016	Synthetic Biology Programming and Fact Sheets	Henry	<p>This project was suggested a few years ago and is a joint project with ComSci and Corporation Associates. They have a draft and some additions and comments are currently be worked through.</p> <p>There is a day-long symposium here in Boston on Synthetic Biology: The State of the Science, Monday August 20.</p>

EXECUTIVE SESSION ON GOAL 3 (Sunday 10:50 – 11:30 am)

The current portfolio dashboard and project updates for Goal 3 are given in ***Tab 9 of the Agenda Book***. Additional discussions and updates on particular projects are given below, and other project items such as minutes or slides are given in *Appendix 2*.

GOAL 3: Engage networks of chemists and citizens to advance sustainability education and communication.			
Strategy		Lead	Update
3.1.2017	Fall 2019 ACS National Meeting Theme	Avery, Fox	(See separate section below and slides in Appendix 3.)
3.2.2016	CPT guidelines	(Aubrecht reporting)	Focus now is on the next steps for the project, including dissemination to the education community, both at ACS and related conferences (BCCE, GC&E).
3.3.2016	COP kids	Peterman	<p>Five students will represent ACS at the December 2018 UNFCCC 24th Conference of Parties (COP24) in Katowice, Poland. Only five students applied to participate, but all are well qualified to represent ACS. This is the smallest group of applicants in the nine-year history of the project. Many students inquire, but funding is a major concern. Going forward, we must find a sustainable source of funding to guarantee continuing success of the program. One of the most visible indicators of success to date is the recent publication of two Symposium Series books with chapters authored by ACS Student Observers who attended the UN climate conferences through COP21 in Paris.</p> <ul style="list-style-type: none"> • Climate Change Literacy and Education: The Science and Perspectives from the Global Stage – Volume 1 • Climate Change Literacy and Education: Social Justice, Energy, Economics, and the Paris Agreement – Volume 2. <p>Volume 3 covering ‘Paris and the path forward’ is currently in production.</p>
3.4.2016	Curriculum award	Obare	<p>Call for the award is out now, and applications are due September 30. Please help in disseminating to relevant individuals.</p> <p>In Orlando: April 1, 2019, 8:30 am -12 pm is the ACS CEI awards symposium.</p> <p>An ACS Symposium book is in the works, which will celebrate the 20th anniversary of this award.</p>
3.5.2016	Local section outreach	Matthews	(See motions given above.)

DISCUSSION OF 2019-2021 STRATEGIC PLAN (Chris Avery)

A 2-day strategic planning session was held in June around the GC&E conference. Summary is given below, and slides are also given in Appendix 3.)

- **What went well with previous plan:** Policy statements, CEI member engagement, educational materials, collaborations, infrastructure improvements,
- **What could be better:** project management and tracking, collaborations (local sections and divisions)
- **Our mission and vision:** No change suggested
- **Updating our goals and strategies (projects):** Underlined is new, crossed out is removed.

Goal 1: Engage key researchers, industry decision makers, and other stakeholders ~~consumers~~ to incorporate sustainability into their ~~the~~ practice and use of chemistry. [Impact, H; Resources, H]

Project ID	Description	2019 Strategic Plan Strategy No.	Champion
1.1.2016	Conference Engagement and Partnerships Programming Strategic Planning	1.2	Jennifer Tanir
1.2.2018 (formerly 3.1.2017)	Fall 2019 National Meeting Planning	1.5	Elise Fox, Chris Avery
1.2.2016	Supply chain sustainability workshop	archive	—
1.3.2016	Social Media Communications	1.3	McNeill
1.4.2016	Industry Engagement and Partnerships Pisces (industry activities)	1.4	Katie Hunt
1.5.2016	Film Series	subtask in 1.5	---
1.6.2017	U.N. Sustainable Development Goals	1.1	Ed Brush, Jane Wissinger

Goal 2: Equip ACS leaders and members, and other advocates to be influential voices about policies in sustainable chemistry via development and dissemination of appropriate tools for the relevant audiences. [Impact H; Resources, H]

Project ID	Description	2019 Strategic Plan Strategy Number	Champion
2.1.2016	State and Local Government Engagement Government relations	2.3	George Cobb
2.2.2019	Policy Statements	2.4	CEI Chair
2.2.2017	Energy Statement	subtask in 2.4	—
2.3.2019	Project Output Planning and Dissemination	2.2	Kate Aubrecht
2.3.2017	Hydraulic Fracking Statement	subtask in 2.4	---
2.4.2018	Climate Science Toolkit	subtask to 3.3 or 3.4?	---

2.4.2019	Website Re-Development	2.1	Cathy Middlecamp, Keisuke Ikehata
2.5.2017	Water Treatment and Conservation Policy Statement	subtask in 2.4	—
2.6.2017	Inherently Safer Technologies Policy Statement	subtask in 2.4	—

Goal 3: Engage networks of chemists and stakeholders citizens to advance sustainability education and communication. [Impact, H; Resources, H]

Project ID	Description	2019 Strategic Plan No.	Champion
3.1.2019	Communications to ACS Community	3.1	Marie Bourgeois
3.1.2017	Fall 2019 ACS National Meeting theme organization	1.5	---
3.2.2016	CPT Guidelines	3.2	Jennifer MacKellar
3.3.2019	K-16 Sustainability Education	3.3	Sherine Obare
3.3.2016	CoP Kids	subtask in 3.3?	---
3.4.2019	Grants, Awards, and Resources for Local Sections	3.4	Melissa Pasquinelli
3.4.2016	Curriculum Award	subtask in 3.3	---
3.5.2016	Local Section Outreach	subtask in 3.4	---

DISCUSSION OF FALL 2019 THEME PROGRAMMING (3.1.2017)

Summary given below; slides are also given in Appendix 2.

- Subthemes: (1) People and Water, (2) Land and Water, and (3) Water's Effect on Chemistry
 - They are looking into whether the program can be keyed with these subthemes so people can find talks and events around a particular theme across divisions.
- Four Goals:
 - (1) Showcase water-related work in the broader chemistry community: working with divisions and committees, as well as presidential candidates.
 - (2) Highlight connections between broader social issues and chemistry: identify at least one water-related charity that we can partner with to raise at least 35K; finalists are Charity Water and Water.Org. Also plan to add a line item in meeting registration to donate to clean water projects (currently approved but will be finalized when charity is selected).
 - (3) Partner with Organizations: Desalination tour, programming around advocacy, policy, or social justice and identify champions and speakers in this area; also programming around a high-profile speaker(s) for the ACS dinner and/or a Presidential Gala on water issues.
 - (4) Post-meeting impacts: Partnership with ACS Communications to create digital materials that can be distributed both during and after meeting; ACS live Facebook events; produce podcasts interviews with featured speakers, researchers, etc. Potentially run several different communications and media competitions.
- Charity: Chemists without Borders
- All plenary speakers are confirmed
- Extensive work is underway to encourage divisional and interdivisional programming

- Working to confirm with Bonnie Charpentier that co-sponsoring theme programming in Presidential programming slate
- Film competition being developed; ENVR has applied for an IPG to help cover the costs, may also apply for an NSF grant too.
- ACS Reactions is making 3 videos in support of the theme
- ACS Webinars will do a least 2 webinars in 2019 in support of the theme
- C&EN will host a theme takeover of their monthly Chemistry in Photos competition in July 2019
- Tours:
 - Carlsbad Desalination plant tour confirmed
 - In discussions with the U.S. Navy to tour the desalination facilities of the USNC Mercy hospital to ship, scheduled for dock in San Diego during the meeting.
- Challenges:
 - Continue to struggle to find a corporate sponsor for the water bottles; C&EN's marketing group is helping with the search
 - Thinking about how to best partner with other organizations (charities, water groups, etc.) in a way that is both productive and financially viable.

REPORT FROM EXTERNAL AFFAIRS AND COMMUNICATIONS (EAC)

Carl Maxwell provided a verbal summary and a written report in *Tab 5 (pages 5-1 to 5-14)*. Specific items that were highlighted include (slides also given in *Appendix 3*):

- FY 2018: Pre-budget deal was good for DARPA, NIH, NSF, DOE Office of Science, not good for NIST, EPA, Chemical Safety Board, and ARPA-E. Post-budget deal turned out to be good for all.
- New OSTP Director: Kelvin Droegemeier, VP for Research, Univ. of Oklahoma; served two terms on the National Science Board.
- Energy:
 - FERC to get new chairman
 - Trump orders DOE to take steps to prevent nuclear/coal plant closures under national security order
 - Auto Fuel Efficiency mandates frozen
 - Rep. Carolos Curbelo (R-FL) introduces Carbon Tax legislation
 - ACS supports CFATS renewal
- Environment:
 - IRIS future remains in question
 - ACS comments on Secret Science policy change (one of the only groups to get a comment in for the first 30-day window)
 - EPA ordered to ban chlorpyrifos
 - SNU for asbestos
 - Sustainable Chemistry Legislation introduced (Coons, D-DE; Collins, R-ME)
 - New EPA Administrator: Andrew Wheeler. Will still push deregulatory agenda, but will be more structured and detailed about it.

REPORT FROM THE ACS GREEN CHEMISTRY INSTITUTE (GCI)

David Constable provided a report on the highlights of ACS Green Chemistry Institute® (ACS GCI) activities since their last report to CEI. Please see **Tab 5 (pages 5-15 to 5-20)** of the agenda materials for more details. Specific items that were highlighted include:

- Record year of attendees for GC&E this past June.
- 23rd annual GC&E conference and 9th International Conference on Green and Sustainable Chemistry will be co-hosted June 11-13, 2019 in Reston, VA. Focus is closing the loop.
- Pharmaceutical Roundtable is extremely robust. 40% increase in membership.
- Manufacturer's Roundtable: workshop before AIChE meeting in Pittsburgh next year.
- Hydraulic Fracturing Roundtable: setting up collaborations around enzyme technology
- Biochemical Technology Leadership Roundtable and Formulators Roundtable are struggling to be engaged with green chemistry.
- Summer school hosted in July at the Colorado School of Mines was successful.
- ACS GCI twitter account now has over 20K followers.

OTHER REPORTS

- **Bill Carroll:** (*Slides are given in Appendix 3*) Task Force created a new document called 'Standing Rules' – moved blocks of text between Constitution, Bylaws, Standing Rules, and a few board regulations. (www.acs.org/Bulletin5) Three changes: (1) Define functions rather than committees by name in Bylaws; (2) Define units to encompass Divisions, Local Sections, International Chapters, etc.; (3) Create a process for amending Rules. All text relevant to a specific function was grouped in a section of the Rules. Also modernized language. These documents should differ:
 - Constitution authorizes: members, meetings, committees, publications, units, etc.
 - Bylaws define local sections, divisions, etc.
 - Standing Rules: Operating
- **Board Committee on Public Affairs and Public Relations (Laura Pence):** (*Slides are in Appendix 3.*)
 - *Core tenets of policy statements:* externally facing, audience is policy makers (federal, state, local), standing as chemists.
 - *Annual prioritization process:* Input from PA&PR members (importance nationally, importance to chemists, preferred allocation of resources); input from ACS staff, discussion in full committee. Then put into tiers, where Tier 1 and Tier 2 get the most resources. Tier 3 and Tier 4 may not be used as much.
 - *Linked Statements:* By content (Peer Review and S&T Funding), by politics and usage (Peer Review and Scientific Integrity), by design/summary (Innovation)
 - *When a statement is up for consideration:*
 - Statements do not always need to be rewritten, regardless of Tier.
 - Has the landscape changed? Can the case be made more effectively.
 - Use volunteer time wisely. Put most effort into Tier 1 and Tier 2.

- How do we think about things that are on horizon that we should be considering? Think about if there is a ‘their there’ – Is there something that is relevant to public policy, and are there items that could be actionable and measurable.

NEW BUSINESS

- Carol Henry proposes that we give more consideration to marine debris and oceans plastics. Some volunteers will discuss potential items or actions, including policy considerations. George brought up to include fresh water too, as well as the considerations on how to measure.
- Jen Tanir mentioned about an International Symposium on Alternatives Assessment in Sacramento, CA, Nov. 1-2, 2018. It is being organized by the Center for Sustainable Production at the University of Massachusetts Lowell.
- Sherine Obare: The IUPAC Young Observer Program focuses giving a new generation of scientists exposure to addressing international scientific policy issues, and on fostering interactions among scientists internationally. The 2019 program is currently accepting applications:
http://sites.nationalacademies.org/cs/groups/pgasite/documents/webpage/pga_187858.pdf

ADJOURNMENT

The meeting adjourned on Sunday, 19 August 2018 at 11:42 a.m.

This document completes the Minutes of the Executive Session of Joint Board-Council Committee on Environmental Improvement for 18-19 August 2018 in Boston, MA.

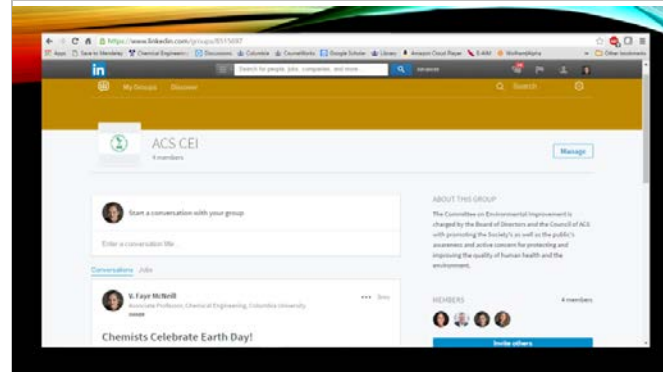
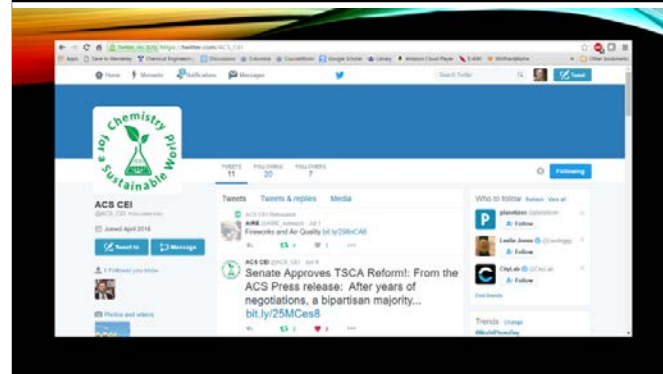
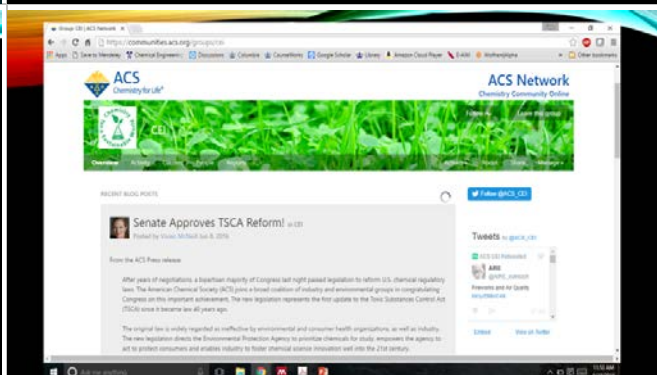
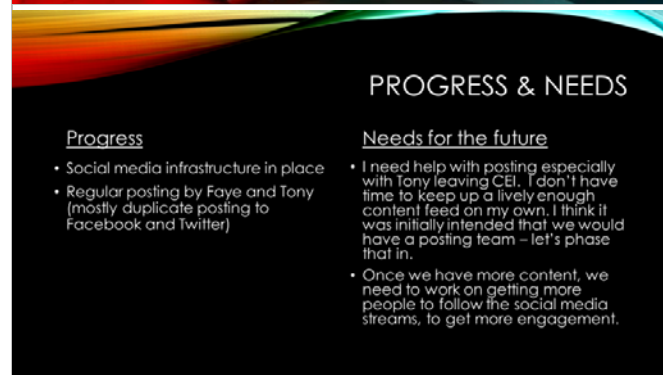
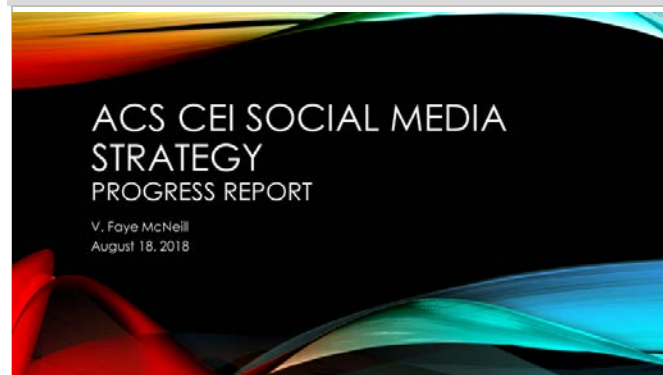
Respectfully submitted,
Melissa A. Pasquinelli
Secretary

Appendix 1—Photos



Appendix 2—Other Project Team Minutes and Presentations

1.3.2016: Communications



1.7.2017: UN Sustainable Development Goals

<p>American Chemical Society</p> <p>ACS Chemistry for Life™</p> <h3>UN Sustainable Development Goals for the Chemistry Enterprise: Opportunities & Challenges</h3> <p>Progress Report to CEI Boston, MA August 18, 2018</p> <p>Project Leads: Ed Brush and Jane Wissinger Working Group: Kate Aubrecht, Marie Bourgeois, David Constable, Jennifer MacKellar</p>	<p>ACS Chemistry for Life™</p> <h3>Goals for ACS Boston</h3> <ul style="list-style-type: none">• Summarize the opportunities & challenges associated with the ACS contributing to the achievement of select UN Sustainable Development Goals.• Initiate an assessment as to the present and future connections between the chemical enterprise and the SDGs.• July 20 – Submit CEI Boston Report.• Present preliminary report at Boston CEI committee meeting.• Share report and hold meetings with potential stakeholders and collaborators at ACS Boston (and beyond).• Develop a path forward toward ACS Orlando 2019. <p>American Chemical Society</p>
<p>ACS Chemistry for Life™</p> <h3>UN SDGs - Overview</h3> <ul style="list-style-type: none">• The 17 UN Sustainable Development Goals (SDGs) provide a framework to fundamentally change our world for the better.• Each goal has specific targets to be achieved over the next 15 years, and indicators for assessment.• The goals offer an agenda for all countries to address world-wide challenges of poverty, protecting the planet and ensuring prosperity.• There is excellent potential for the chemical enterprise, and in particular innovative green and sustainable chemistry technologies, to make significant contributions to help achieve these goals. <p>American Chemical Society</p>	<p>ACS Chemistry for Life™</p> <h3>UN SDGs - Recommendation</h3> <ul style="list-style-type: none">• The CEI-SDG working group enthusiastically recommends that the ACS develop a 2030 SDGs initiative, and that it utilize its diverse resources to bring the chemical enterprise to the forefront of leadership to achieving the UN SDGs. We also recommend that the CEI take a guiding role in coordinating this initiative. <p><i>"We need chemistry to move forward the 2030 Agenda for Sustainable Development, to eradicate poverty, to mitigate the impacts of climate change, for human rights and dignity. This calls for innovation at every level and in all associated processes" (UNESCO Director General, Irina Bokova, June 2, 2017)</i></p>  <p>American Chemical Society</p>
<p>ACS Chemistry for Life™</p> <h3>UN SDGs – Opportunities & Challenges</h3> <p>Key opportunities:</p> <ul style="list-style-type: none">• This project can serve as a driver for the future direction of the ACS by serving as the lens by which chemists view the SDGs, and provide the framework for how the chemical enterprise can have an impact in achieving these goals.• This undertaking is aligned with ACS strategic priorities, and the technological contributions are consistent with the principles of green and sustainable chemistry.• All sectors of the chemical enterprise (academia, industry, funding agencies, policy, professional organizations, national and international partners) will collaborate around a central theme where the SDGs are a strategic priority. <p>American Chemical Society</p>	<p>ACS Chemistry for Life™</p> <h3>UN SDGs – Opportunities & Challenges</h3> <p>Key challenges:</p> <ul style="list-style-type: none">• The chemical enterprise will need to commit to changes in priorities, approaches and practices.• The chemical enterprise will need to <u>transition to systems and life cycle thinking approaches</u>; consider the source of all chemicals and their transformations; their end of life fate; and impacts on people, the environment and the economy. <p>American Chemical Society</p>



UN SDGs – (Preliminary) Project Portfolio

- Foundation to help the entire chemical enterprise move forward, contributing to a sustainable future focused on the UN SDGs.
- The CEI is reaching out beyond its members to a much broader group of contributors and collaborators.
- Project Portfolio is presented as themed Organizing Activities; a preliminary suite of ideas for the path forward.
- The portfolio will require additional CEI working groups, and identifying additional key stakeholders who will collaborate in completing these objectives to further advance the project.

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UN SDGs – (Preliminary) Project Portfolio

- (1) Propose a project title, mission, goals and objectives
- (2) CEI current and future planning: Building new CEI working groups with short and long term plans
- (3) ACS Stakeholders, Contributors and Collaborators
- (4) Chemistry organizations outside of ACS
- (5) Interpreting the UN SDGs for the chemistry enterprise
- (6) Chemistry education to meet the UN SDGs
- (7) Print & social media
- (8) Additional Resources
- (9) Project Bibliography

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UN SDGs – Current/Future Programming

- ACS Boston “Green Chemistry Theory and Practice” (Wednesday, Waterfront Ballroom 3 of the Seaport World Trade Center: UN SDGs from 1:30-2:55 PM, featuring John Warner and Neil Hawkins (Dow).
- AASHE conference in Pittsburgh, October 2-5, will examine the critical role of higher education in achieving the UN SDGs. Ed and Jenny will be presenting on: “Green Chemistry: Meeting the Challenge of Equity and Environmental Justice for a Sustainable Future”
- ACS Orlando spring 2019 CHED: “UN Sustainable Development Goals: Unique Opportunities for the Chemical Enterprise”. Ed and Jane are currently listed as co-organizers, but we are happy to include others.

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UN SDGs – Current/Future Programming

- JChemEd special issue “Reimagining Chemistry Education: Systems Thinking & Green and Sustainable Chemistry” (Peter Mahaffy, guest editor). Aubrecht, Bourgeois, Brush, Constable, Mackellar, Wissinger have been asked to submit an article on “UN SDGs in education”.
- Programming for GC&E 2019 in Reston, VA
- Programming for ACS San Diego 2019
- Future ACS national meeting theme?

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UN SDGs – Preliminary Bibliography

- UN SDGs Knowledge Platform is the UN family’s repository of actions, initiatives and plans on the implementation of the 2030 Agenda and the sustainable development goals. <https://sustainabledevelopment.un.org/> (Accessed June 2018).
- Anne Marteel-Parrish and Karli M. Newcity (2017) “Highlights of the Impacts of Green and Sustainable Chemistry on Industry, Academia and Society in the USA”, *Johnson Matthey Technol. Rev.*, **61**, (3), 207–221. <http://www.ingentaconnect.com/content/matthey/jmtr/2017/00000061/00000003/art00007?crawler=true&mimetype=application/pdf> (Accessed June 2018).
- “An Agenda to Mainstream Green Chemistry” - Green Chemistry & Commerce Council, Joel Tickner, Director (2015). https://greenchemistryandcommerce.org/documents/An_Agenda_to_Mainstream_Green_Chemistry.pdf (Accessed June 2018).
- Anthony M. Noce, “How chemistry can help meet the UN’s sustainable development goals”, C&E News, May 28 (2018), p 43. <https://www.acs.org/content/dam/acsorg/about/governance/committees/cei/cei-comment-noce-2018-05-28.pdf> (Accessed June 2018).
- David C. Constable (2017) “The practice of chemistry still needs to change”, *Current Opinion in Green and Sustainable Chemistry*, **7**, pp. 60-62 (<http://dx.doi.org/10.1016/j.cogsc.2017.08.002> (accessed June 2018).

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UN SDGs – Preliminary Bibliography

- Stephen A. Matlin, Goverdhan Mehta, Henning Hopf and Alain Krief (2015) “The role of chemistry in inventing a sustainable future”, *Nature Chemistry*, **7** (December 2015), pp 941-943. <https://www.nature.com/articles/nchem.2389> (Accessed June 2018)
- P.T. Anastas, J.B. Zimmerman, (2018) “The United Nations Sustainability Goals: How Can Sustainable Chemistry Contribute?”, *Current Opinion in Green and Sustainable Chemistry*, accepted manuscript. doi: 10.1016/j.cogsc.2018.04.017. <https://www.sciencedirect.com/science/article/pii/S245222361830021X?via%3Dihub> (Accessed July 2018).

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UN SDGs – Preliminary Bibliography

- S. Axon, D. James, (2018) "The UN Sustainable Development Goals: how can sustainable chemistry contribute? A view from the chemical industry", *Current Opinion in Green and Sustainable Chemistry*, accepted manuscript. doi: 10.1016/j.cogsc.2018.04.010. <https://www.sciencedirect.com/science/article/pii/S2452223618300208> (Accessed July 2018).
- M. Poliakoff, P. Licence, M.W. George, (2018) "UN Sustainable Development Goals: how can sustainable/green chemistry contribute? By doing things differently", *Current Opinion in Green and Sustainable Chemistry*, doi: 10.1016/j.cogsc.2018.04.011. <https://www.sciencedirect.com/science/article/pii/S2452223617301189> (Accessed July 2018).
- T.J.C. O'Riordan, (2018) "UN Sustainable Development Goals: how can sustainable/green chemistry contribute? The view from the agrochemical industry", *Current Opinion in Green and Sustainable Chemistry*, accepted manuscript. doi: 10.1016/j.cogsc.2018.06.014. <https://www.sciencedirect.com/science/article/pii/S2452223617300871> (Accessed July 2018).

2.4.2018: Climate Toolkit

ACS Climate Science Toolkit

Update for ACS CEI
ACS Fall Meeting 2018, Boston
Faye McNeill

ACS Climate Science Toolkit

<https://www.acs.org/content/acs/en/climatescience.html>

- Created in 2009
- Original purpose: provide **ACS members** (i.e. professionals trained in chemistry) with background information on Climate Science
- "*The fundamental science to help you understand and communicate climate science*"
- Describes timeless physical principles, so the basic information will not become out of date, but some references are dated and need updating (i.e. old IPCC reports).

CEI and the Climate Toolkit

- CEI became custodians of the Toolkit in 2017
- Immediate need: clean up/update links and references (Faye McNeill, John Jayne)
 - Faye has begun tracking down broken links and editing pages, still a lot of work to do
 - Problem area: "climate narratives" – Devil's Advocate tone may be misunderstood
 - All edits will be sent to webmaster at once
- Long-term desire to expand materials to reach other audiences (A. Jorgenson)

3.1.2017: Fall 2019 National Meeting Programming Planning

<p>American Chemical Society</p> <p>ACS Chemistry for Life®</p> <h3>Chemistry of Water</h3> <p>Organizers: Chris Avery & Elise Fox</p> <p>258th American Chemical Society National Meeting & Exposition August 25-29, 2019 San Diego, California</p>	<p>ACS Chemistry for Life®</p> <h3>Theme Synopsis</h3> <ul style="list-style-type: none">We have identified 3 subthemes to organize work around:<ol style="list-style-type: none">1) People and Water2) Land and Water3) Water's Effect on Chemistry.The subthemes will be how we organize and categories all the topics, research, and other work we do to flesh out the broader programmatic theme. <p>American Chemical Society</p>																																		
<p>ACS Chemistry for Life®</p> <h3>Goals and Connections to CEI</h3> <p>All of this work is intended to connect back to the broader work/topics of interest of the Committee on Environmental Improvement, our sponsoring committee.</p> <p>Goals</p> <ol style="list-style-type: none">1. Showcase water-related work in the broader chemistry community2. Highlight connections between broader social issues and chemistry3. Partner with organizations not typically engaged with the scientific community4. Create materials that last after the meeting is over <p>American Chemical Society</p>	<p>ACS Chemistry for Life®</p> <h3>Quick view</h3> <table border="1"><thead><tr><th>Project</th><th>Status</th></tr></thead><tbody><tr><td>Charity Partnership</td><td>Confirmed</td></tr><tr><td>Branding/Logos</td><td>Ongoing (largely out of our hands)</td></tr><tr><td>Company Donations</td><td>Ongoing</td></tr><tr><td>Charity Row at Expo</td><td>Not happening</td></tr><tr><td colspan="2">Programming</td></tr><tr><td>MPPG Programming</td><td>Confirmed</td></tr><tr><td>Society Partnerships (connected to programming)</td><td>Ongoing</td></tr><tr><td>Plenary Speakers</td><td>Confirmed</td></tr><tr><td colspan="2">Communications</td></tr><tr><td>Film Competition/Event</td><td>Confirmed, pending funding</td></tr><tr><td>C&EN Pitch</td><td>Confirmed (under development now)</td></tr><tr><td>Photo Competition</td><td>Confirmed</td></tr><tr><td>ACS Reaction Videos</td><td>Confirmed</td></tr><tr><td>ACS Webinars</td><td>Confirmed</td></tr><tr><td>Desalination Tour</td><td>Confirmed</td></tr><tr><td>Podcast series</td><td>Unlikely (probably unnecessary)</td></tr></tbody></table> <p>American Chemical Society</p>	Project	Status	Charity Partnership	Confirmed	Branding/Logos	Ongoing (largely out of our hands)	Company Donations	Ongoing	Charity Row at Expo	Not happening	Programming		MPPG Programming	Confirmed	Society Partnerships (connected to programming)	Ongoing	Plenary Speakers	Confirmed	Communications		Film Competition/Event	Confirmed, pending funding	C&EN Pitch	Confirmed (under development now)	Photo Competition	Confirmed	ACS Reaction Videos	Confirmed	ACS Webinars	Confirmed	Desalination Tour	Confirmed	Podcast series	Unlikely (probably unnecessary)
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Podcast series	Unlikely (probably unnecessary)																																		
<p>ACS Chemistry for Life®</p> <h3>Major Updates (1 of 3)</h3> <ul style="list-style-type: none">Charity:<ul style="list-style-type: none">Chemists Without Borders has been confirmed as our charity partnerProgramming:<ul style="list-style-type: none">All plenary speakers are confirmed:<ul style="list-style-type: none">Water and People: Andy Kricun, City of CamdenWater and Land: Bill Alley, Former Chief of Groundwater at the USGSWater's Effect on Chemistry - Vicki Grassian, UCSDHow Chemists Can Help with Humanitarian Water Issues: CWB will find high profile speaker - TBAExtensive work is underway to encourage divisional and interdivisional programmingWe have connected with Bonnie Charpentier to confirm her interest in co-sponsoring theme programming in her Presidential programming slate <p>American Chemical Society</p>	<p>ACS Chemistry for Life®</p> <h3>Major Updates (2 of 3)</h3> <ul style="list-style-type: none">Film Competition: Ongoing, but happening<ul style="list-style-type: none">Under development, and will launch shortly after Boston meetingENVR has applied for an IPG grant to help cover the costsLikely applying to a relevant NSF grant as wellCommunications:<ul style="list-style-type: none">C&EN will host a theme takeover of their monthly Chemistry in Photos competition in June 2019ACS Reactions is making 3 videos in support of the themeACS Webinars will do at least 2 webinars in 2019 in support of the themeWe are working up summary materials of our plenary speakers to empower C&EN to provide coverage on them and Chemists Without Borders in support of the themeGiven bandwidth, we will not be pursuing the podcast idea any further <p>American Chemical Society</p>																																		



Major Updates (3 of 3)

- Desalination tour:
 - Carlsbad Desalination plant tour is confirmed
 - We are in discussions with the US Navy to tour the desalination facilities of the USNS Mercy hospital ship, scheduled for dock in San Diego during the meeting

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Major Challenges (Help welcomed!)

- We continue to struggle to find a corporate sponsor for the water bottles.
 - C&EN's marketing group has agreed to help us with the search, but so far has not found success.
- We are thinking through how to best partner with other organizations (charities, water groups, etc) in a way that is both productive and financially viable.
 - We are currently considering having a theme-related poster session at Sci-Mix, and inviting various groups to give a poster on their work.
 - Challenge (as always) will be funding to badge the partner groups into the event.

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Collaborators

CEI and friends:

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Dorea Reeser
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George Zaidan

Russell Silber
Michael David
Erik Holderman
Elizabeth Perry

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Appendix 3—Other Presentations

Strategic Planning

CEI Strategic Plan Update 2018-2021

Chris Avery

Strategic Planning Process

The diagram illustrates the Strategic Planning Process as a top-down hierarchy:

- MISSION, VISION, CORE VALUES** (top level)
- ENVIRONMENT SCAN** (second level): What external trends will impact our work?
- CHALLENGES OPPORTUNITIES** (third level): What challenges and opportunities do these trends present for us?
- GOAL 1, GOAL 2, GOAL 3, GOAL 4** (fourth level): 3-5 yr Goals to achieve vision & mission in view of challenges & opportunities
- STRATEGIES** (fifth level): Initiatives to achieve goals (6-12 month timeframe)
- MEASUREMENT** (sixth level): How we measure progress

CEI Retrospective – Went Especially Well with 2015 Strategic Plan

Noted Successes	"votes"	Could go Better	'votes'
"CEI has gotten a lot more done"	1	Project management and tracking	9
Policy statements	10	Collaborations	7
Educational materials	7	Divisions - 3	
Engaged CEI members	6	Local Sections - 4	
Infrastructure improvements	5	Communications	2
Collaborations	5	Fly-ins	2
Programming/visibility at meetings	3	Industry Relations	2
Promoting Sustainability	2	Member/leader issues	3
		ChemLuminary Award	2
		Website	1
		EPA	1
		Promoting Sustainability	1

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CEI Vision Statement 2018

A sustainable world enabled through the sustainable practice and use of chemistry.

CEI Mission Statement 2018

Advance sustainability thinking and practice across ACS and society for the benefit of Earth and its people.

CEI Goals 2018

Goal 1: Engage researchers, industry decision makers, and other stakeholders to incorporate sustainability into the practice and use of chemistry.

Goal 2: Equip ACS leaders and members, and other advocates to be influential voices about policies in sustainable chemistry via development and dissemination of appropriate tools for relevant audiences.

Goal 3: Engage networks of chemists and stakeholders to advance sustainability education & communication.

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Updating our Strategies (Projects)

Couple of points:

- The only mandated projects that were *required* to be carried forward were policy statement writing and the 2019 National Meeting theme organization.
- Just because not all *current* projects are reflected in this update does not necessarily mean they will be dropped.
- Many (most) current projects were reframed but still exist in this plan
 - Examples: communications, stakeholder engagement outside of CEI
- Timelines, and strategy scopes, are intended as *first steps*. We anticipated that needs would change over time, and largely tried to define what the initial work would likely be (i.e., make a plan).
 - We have every expectation that we will not meet all of these timelines, or that the scope/direction of several strategies may change.

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Mapping to the New



Goal 1

- Programming strategic planning
- Supply chain workshop
- Communications
- Pisces
- Film Series
- UN SDGs

Goal 2:

- Gov't relations
- Energy statement
- Fracking statement
- Climate Toolkit
- Water statement
- IST statement
- Synthetic biology

Goal 3

- 2019 theme planning
- CPT guidelines
- CoP Kids
- Curriculum Award
- Local Section outreach

Goal 1:

- UN SDGs
- Meetings engagement
- Social media
- Industry engagement
- 2019 theme planning

Goal 2:

- Website revamp
- Comms checklist for projects
- State/local engagement tools
- Policy statements

Goal 3

- Comprehensive comms plan
- CPT guidelines
- Education materials
- Local section engagement

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Mapping to the New



Goal 1

- Programming strategic planning
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- Website revamp
- Comms checklist for projects
- State/local engagement tools
- Policy statements

Goal 3

- Comprehensive comms plan
- CPT guidelines
- Education materials
- Local section engagement

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CEI Goal 1, Strategies



Goal 1: Engage researchers, industry decision makers, and other stakeholders to incorporate sustainability into the practice and use of chemistry.

Strategy 1: UN Sustainable Development Goals

By the Spring 2019 Natl Meeting, draft a plan to develop & initiate a project portfolio addressing chemistry's role in the UN SDGs.
Project Lead: Ed Brush/Jane Wissinger

Strategy 2: Meetings Engagement

By Spring 2019, develop and maintain a strategic plan for CEI involvement in GC&E; ACS Natl, Regional & local meetings; ABCChem & Pacifichem, that includes guidelines for continuous programming, partnership development & financial commitment.
Project Lead: TBD

Strategy 3: Social Media

By spring 2019 national meeting, develop & execute a comprehensive social media strategy. By Spring 2020 national meeting, increase engagements with CEI social media.
Project Lead: Faye McNeill

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CEI Goal 1, Strategies (p. 2)



Goal 1: Engage researchers, industry decision makers, and other stakeholders to incorporate sustainability into the practice and use of chemistry.

Strategy 4: Industry Engagement

By Spring 2019 national meeting, appoint a task force lead & seat a group of industry-relevant representatives to propose a list of 3-5 actions to enhance industry engagement on sustainability/sustainable chemistry by Fall 2019 national meeting.
Project Lead: TBD

Strategy 5*: 2019 Theme Planning

Lead the development and execution of the 2019 Fall National Meeting theme planning, with a focus on developing CEI-supported programming throughout the divisions and identifying new opportunities for engagement with ACS membership.
Project Leads: Elise Fox, Chris Avery

*Strategy incorporated from CEI ongoing, mandated work

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CEI Goal 1, Strategies (p. 2)



Goal 1: Engage researchers, industry decision makers, and other stakeholders to incorporate sustainability into the practice and use of chemistry.

Strategy 4: Industry Engagement

By Spring 2019 national meeting, appoint a task force lead & seat a group of industry-relevant representatives to propose a list of 3-5 actions to enhance industry engagement on sustainability/sustainable chemistry by Fall 2019 national meeting.
Project Lead: TBD

Strategy 5*: 2019 Theme Planning

Lead the development and execution of the 2019 Fall National Meeting theme planning, with a focus on developing CEI-supported programming throughout the divisions and identifying new opportunities for engagement with ACS membership.
Project Leads: Elise Fox, Chris Avery

*Strategy incorporated from CEI ongoing, mandated work

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CEI Goal 2, Strategies



Goal 2: Equip ACS leaders and members, and other advocates to be influential voices about policies in sustainable chemistry via development and dissemination of appropriate tools for relevant audiences.

Strategy 1: Website Revamp

By Spring 2019, appoint a task force of CEI & relevant stakeholders to review & recommend a plan to revamp CEI's website by the Fall 2019 national meeting.
Project Lead: TBD

Strategy 2: Communications Checklist for Projects

By the fall 2019 national meeting, develop & implement appropriate communication, dissemination & collaboration strategies for each CEI project. This will include a plan/guidance for incorporating communication & collaboration going forward.
Project Lead: Kate Aubrecht

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CEI Goal 2, Strategies (p. 2)

Goal 2: Equip ACS leaders and members, and other advocates to be influential voices about policies in sustainable chemistry via development and dissemination of appropriate tools for relevant audiences.

Strategy 3: State/Local Engagement Tools

By Fall 2020 national meeting, develop lay-friendly materials on green chemistry & sustainability to support efforts to engage state & local governments.

Project Lead: George Cobb

Strategy 4*: Policy Statements

Draft and review ACS policy statements as needed and in alignment with the ongoing schedule set by the ACS Board of Directors.

Project Lead: CEI Chair

**Strategy incorporated from CEI ongoing, mandated work*

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CEI Goal 3, Strategies

Goal 3: Engage networks of chemists and stakeholders to advance sustainability education & communication.

Strategy 1: Comprehensive Communications Plan

By summer 2019, develop a draft comprehensive communication strategy/plan for CEI discussion, to include pubs, web development & partnerships with other committees, divisions and local sections to expand CEI's influence & exposure.

Project Lead: Marie Bourgeois

Strategy 2: CPT Guidelines

By the Spring 2019 national meeting, develop a project portfolio to support the dissemination (currently underway) & implementation of the G.C. Supplement to the CPT Guidelines.

Project Lead: Jennifer Mackellar

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CEI Goal 3, Strategies (p. 2)

Goal 3: Engage networks of chemists and stakeholders to advance sustainability education & communication.

Strategy 3: Education Materials

By Spring 2020, compile, develop, disseminate educational materials & modules for use in K-16 levels, around targeted sustainability themes in cooperation with other ACS units & in conjunction with other ongoing CEI educational projects.

Project Lead: Sherine Obare

Strategy 4: Local Section Engagement

By Spring 2019, appoint a lead to establish a task force to review CEI resources & local section activities that advance sustainability goals. By Fall 2019, propose a plan to bring structure & intention to CEI's local section engagement.

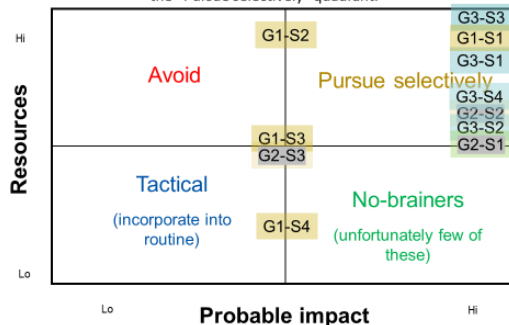
Project Lead: Melissa Pasquinelli

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CEI Opportunity Map 2018

Discussion recommended to determine the schedule for those in the "Pursue selectively" quadrant.



External Affairs and Communications



Government Affairs Activities Update
Committee on Environmental
Improvement

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J. Carl Maxwell
Office of Public Affairs
August 18, 2018
c_maxwell@acs.org

FY 2018: Pre-budget deal



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FY 2018: Post-budget deal



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Budget Deal = Science \$ in FY 18



Agency/Program	FY 2017 Enacted	FY 2018 Pres. Req.	FY 2018 Enacted	\$ Change ('17-'18)	%Change ('17-'18)
Advanced Research Projects Agency-Energy (ARPA-E)	306	eliminated	353	47	15%
Chemical Safety and Hazard Investigation Board (CSB)	11	eliminated	11	0	0%
DOE Office of Science	5362	4473	6260	868	16%
Environmental Protection Agency (EPA)	8000	5700	8058	-2	0%
National Institutes of Health (NIH)	34084	28804	37084	3000	9%
National Institutes of Standards and Technology (NIST)	954	725	1198	244	26%
National Science Foundation (NSF)	7472	6853	7767	295	4%

All amounts are in millions of current dollars

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Budget Deal = Science \$ in FY 19



Agency/Program	FY 2018 Enacted	FY 2019 Pres. Req.	House	Senate
Advanced Research Projects Agency-Energy (ARPA-E)	353	eliminated	325	375
Chemical Safety and Hazard Investigation Board (CSB)	11	eliminated	12	11
DOE Office of Science	6260	5391	6600	6650
Environmental Protection Agency (EPA)	8058	6146	7958	8058
National Institutes of Health (NIH)	37084	34588	38334	39084
National Institutes of Standards and Technology (NIST)	1198	629	985	1038
National Science Foundation (NSF)	7767	7472	8175	8069

All amounts are in millions of current dollars

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Recent Nominations of Note

- Ph.D., neuroscience
- Principal Dep. Director, ARPA-E
- Experience at Office of Naval Research, OSTP
- Advanced past the committee stage on 07/24



SC Director
Christopher Fall

Recent Nominations of Note

- Ph.D., atmospheric science
- Vice President for Research, University of Oklahoma
- Served 2 terms on the National Science Board



OSTP Director
Kelvin
Droegemeier

Energy et al

- FERC to get new chairman
- Vanessa Sutherland resigns from Chemical Safety Board
 - Interim: Kristen Kulinowski
- Trump orders DOE take steps to prevent nuclear/coal plant closures under national security order
- Auto Fuel Efficiency mandates frozen
- Rep. Carlos Curbelo (R-FL) introduces Carbon Tax legislation
- ACS supports CFATS renewal

Environment

- Of Scott Pruitt, we shall speak no more.
- IRIS future remains in question
- ACS comments on "Secret Science" policy change
- EPA ordered to ban chlorpyrifos
- SNU for Asbestos
- Sustainable Chemistry Legislation Introduced



Sustainable Chemistry Research and Development Act (S. 3296)

- Creates an interagency task force to guide agency investment in green and sustainable chemistry
- Establishes a broad public-private partnership program to invest in innovative technologies



Co-sponsors:
Sen. Chris Coons (D-DE)
Sen. Susan Collins (R-ME)

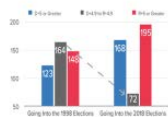
Andrew Wheeler

- Special Assistant to Information Management Division, EPA OPPT, 1991-1994
- Former Senate Environment and Public Works Majority Staff Director
- Chief Counsel to Senator James Inhofe (R-OK)
- Lobbyist for Faegre Baker Daniels
- Acting Administrator, EPA



House: 218 to Win, BABY!!!

- Current Make Up: **236/193/6**
- Solid
 - Dems: **181/GOP-153**
- Likely/Lean
 - Dems: **11/GOP-50**
- Toss-up/Worse
 - Dems: **3/GOP-37**
- Average Special Election Margin: +13 Dem over 2016
 - 109 seats ≤ +10 GOP in 2016
- Obama's best two quarters of growth (5.1,4.9) were 2014.



Senate: Democrats on Defense

- Overall: **51/49** (Really **50/49**)
- Current 26-D, **R-9**
- Dem:
 - 5 Toss Up: FL, IN, MO, ND, WV
- GOP:
 - Toss Up: **AZ, NV, TN**
 - Lean R: **TX**



Governors-It's all about 2020, yo.

- Currently: 9 Dem/**26** GOP
- Dem Lean D/Toss Up: 2
 - Lean: CO, MN, OR
 - Toss Up: CT, AK
- **GOP Lean D, Toss Up, Lead R:**
 - Lean D: IL, NM
 - Toss Up: FL, IA, KS, ME, MI, NV, OH
 - Lean R: GA, WI



Questions?

Streamlining ACS Governance Documents

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Streamlining ACS Governance Documents

Presentation to Committees
Boston National Meeting
August 17/22, 2018
Bill Carroll, Jim Carver Task Force Governance Design

ACS
Chemistry for Life®

Constitution & Bylaws Current Amendment Process



Bylaws	Constitution
Petition signed by 10 councilors or 25 members	same
Two national meetings before "For Action"	same
Two-thirds (2/3) vote of Council	Majority vote of Council
Board confirmation	Two-thirds (2/3) members voting

*Another document: Board Regulations—contains operational procedures. Also found in Bulletin 5. Amended by 2/3 Board vote

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What We Did



- Subcommittee: Jim Carver, Bill Carroll; Flint Lewis, Barbara Polansky
 - Create a new document called "Standing Rules"
 - Move blocks of text between Constitution, Bylaws, (new) Standing Rules and a few to Board Regs
 - Three changes
 - Define Functions rather than committees by name in Bylaws
 - Define Units: to encompass, Divisions, Local Sections, Int'l Chapters...
 - Create a process for amending Rules
 - Change text to smooth language
 - Group all text relevant to a specific function in a section of the Rules
- We Did Not:** Otherwise change structure or function of ACS Committees or Processes as we currently know them or try to optimize language

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Essential Functions



- Executive
- Membership
- Meetings
- Elections
- Governance Documents
- Units Oversight
 - Units include Local Sections, Divisions and International Chemical Sciences Chapters

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Constitution, Bylaws, Standing Rules Amendment Process



Bylaws	Constitution	Standing Rules
Petition signed by 10 councilors or 25 members		Amendment initiated by relevant committee or individual
2/3 rd Council	Council majority	Two-thirds (2/3) committee voting Council majority Board concurrence (also a petition process to the committee)
Board confirmation	2/3rds members	
Two national meetings before "For action"		One meeting Council/Board

Cognizant Functional Committee becomes curator for relevant procedures, subject to Council approval

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How The Documents Differ

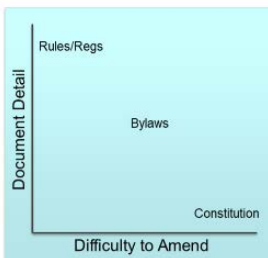


- Constitution Authorizes
 - Members, Meetings, Committees, Publications, Units...
- Bylaws Define
 - Local Sections, Divisions...
- Standing Rules/Board Regulations Operationalize
 - How to have elections, create a new Local Section, what is a meeting...

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Why Do This At All?



- To make the governing documents less complex, and the operating documents more accessible
- To adapt to changing needs, while still taking ample time for consideration.
- **To engage more members in curation**

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Next Steps



- Current documents and proposed reorganization available in the Council Agenda and on the web at: www.acs.org/bulletin5
- Petition "For Consideration" at Boston meeting
 - Entire reorganization as a single change
- "For Action" at Orlando meeting (March 2019)



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Task Force on Governance Design

Imagine the Future of ACS Governance



Co-Chairs

Mary Carroll & Paul Jagodzinski

Members

Frank Blum	Wayne Jones
George Bodner	Natalie LaFranzo
Bill Carroll	Les McQuire
James Carver	Ingrid Montes
Judy Giordan	Carolyn Ribes
Teri Quinn Gray	Barbara Sawrey
Rigoberto Hernandez	

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ACS Policy Portfolio Review

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ACS Policy Portfolio Review

Laura E. Pence, Chair
Board Committee on Public Affairs and Public Relations
August
2018

Core Tenets of Policy Statements



- Externally Facing
- Audience is Policy makers
- Standing as Chemists

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2

Annual Prioritization Process



- Input from PA&PR Members
 - Importance nationally
 - Importance to chemists
 - Preferred allocation of resources
- Input from Staff
 - Opportunities, external environment
- Discussion in full committee

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Linked Statements

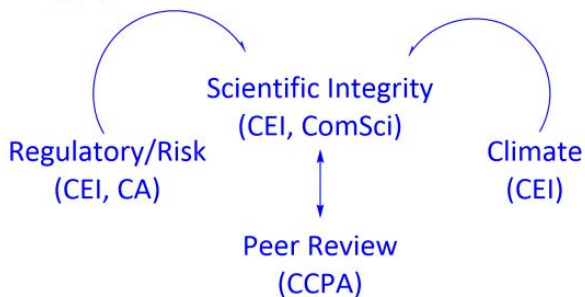


- Linked by Content
 - Peer Review and S&T Funding
- Linked by Politics and Usage
 - Peer Review and Scientific Integrity
- Linked by Design/Summary

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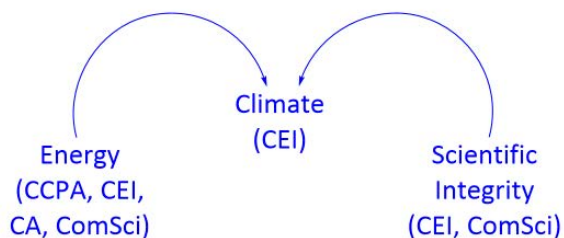
Linked Statements: Scientific Integrity



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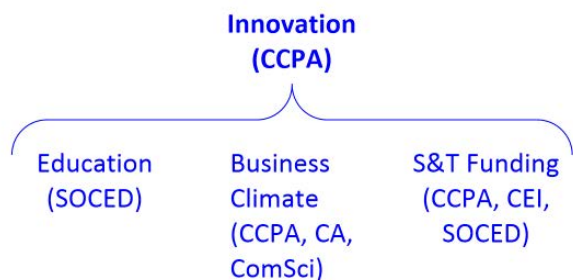
Linked Statements: Climate



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Composite Statement: Innovation



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When a statement is up for consideration



- Statements do not always need to be rewritten regardless of Tier
- Has the landscape changed? Can the case be made more effectively?
- Use volunteer time wisely

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Questions?



- Please feel free to keep in touch: LPence@Hartford.edu

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Tier 1 Statements, 2018



Statement	2018 Tier	2017 Tier	2016 Tier	Committees	Expiring Year
Climate	1	2	1	CEI	2019
Education	1	1	1	SOCED	2019
Innovation	1	1	1	CCPA	2018
Integrity	1	1	2	CEI, ComSci	2020
S&T Funding	1	1	1	CCPA, CEI, SOCED	2020

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Tier 2 Statements, 2018

Statement	2018 Tier	2017 Tier	2016 Tier	Committees	Expiring Year
Energy	2	2	2	CCPA, CEI, CA, ComSci	2018
Peer Review	2	1	1	CCPA	2019
Publishing	2	2	2	Governing Board	2019
Risk/Regulation	2	3	2	CEI, CA	2019
Safety	2	2	x	CCS	2019
Water	2	2	3	CEI	2018

Tier 3 Statements 2018

Statement	2018 Tier	2017 Tier	2016 Tier	Committees	Expiring Year
Business Climate	3	2	2	CCPA, CA, ComSci	2020
Evolution	3	4	4	SOCED	2020
Freedom of Exchange	3	3	3	IAC	2020
Healthcare	3	3	4	CEPA	2018
Sustainability	3	3	2	CEI, ComSci	2020
Visa Restrictions	3	3	3	SOCED, IAC, ComSci	2020

Tier 4 Statements

Statement	2018 Tier	2017 Tier	2016 Tier	Committees	Expiring Year
Charitable Donations	4	4	4	staff	2020
Disabilities	4	4	4	CWD	2018
Employment Non-Discrimination	4	4	4	CEPA	2019
Endocrine Disruption	4	4	4	CEI	2018
Forensics	4	3	4	ComSci	2019
Fracking	4	4	3	ComSci, CA, CCPA, CEI	2018
Hands-on Science	4	4	4	SOCED	2020
Intellectual Property	4	x	x	CPRM	2020
Inherently Safer Tech.	4	3	4	CEI	2018
Regulation of Lab Waste	4	3	3	CCS	2018