

# 2018 YEAR IN REVIEW

SETTING THE STANDARD FOR SAFETY

## MEMBERSHIP

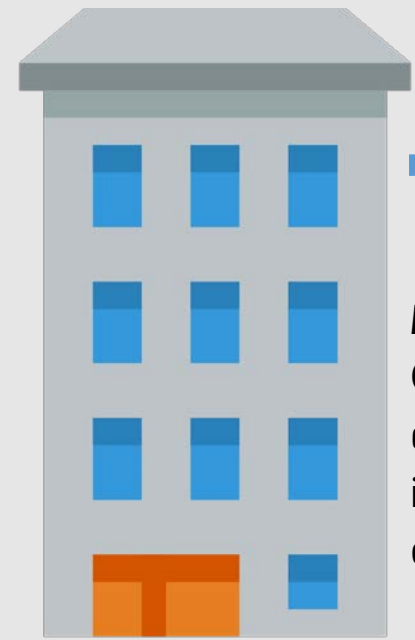


**\$4.5m**

Annual Operating Budget to support ongoing initiatives.



Achieved a **91%** member renewal rate, maintaining **98%** of our dues base.



**134** Member Companies doing business in more than 140 countries.

**5,470**

Member Employees registered for CGA benefits and working to make the industry safer.



## COMMITTEES

**Pilot tested work process innovations**

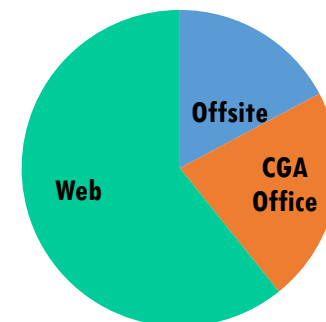
designed to reduce member time in meetings and maximize efficiency:

- ✓ Online balloting of proposed changes
- ✓ Consultant development of first drafts for committee review

**573**

meetings held to support committee priorities; over 60% were conducted by web conference in order to reduce travel for members.

2018 Meetings



**654** COMMITTEE MEMBERS

Average Committee Snapshot:

- 6 Active Members
- 23 Publications Managed
- 15 Active Work Items
- 26 Committee, Ad Hoc, and Task Force Meetings

**53%**

of Committee Voters eligible to retire in 5 years.



**346**

publications, a total library value of \$18,383 for each user.

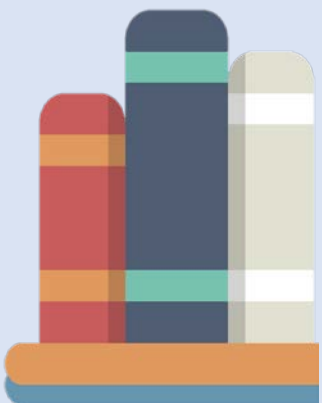


## PUBLICATIONS



**126**

Regulatory & code references to CGA publications, mandating industry best practices wherever our products are used.

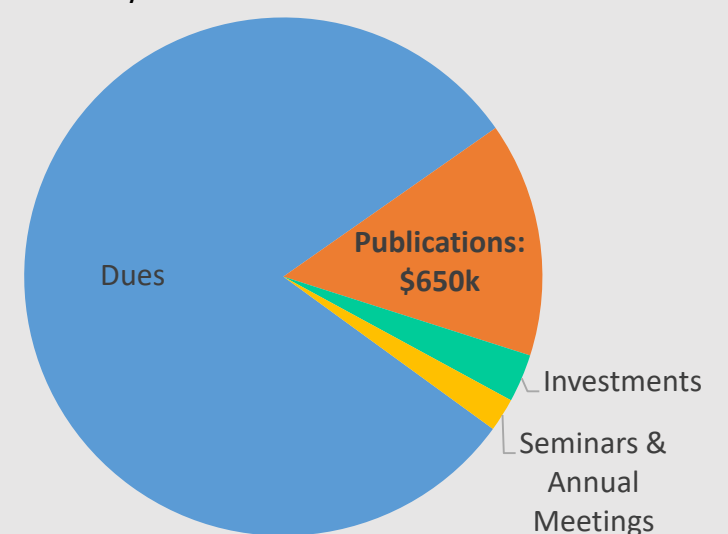


**63**

Publications released with critical industry safety information:

10 new, 48 revised, & 5 reaffirmed - one of our largest years on record.

PUBLICATION SALES – Primary Source of Non-Dues Revenue



## ADDITIONAL ACHIEVEMENTS



Successfully transitioned to new **President & CEO**, Rich Gottwald.



Initiated revision to **CGA's strategic plan** to respond to current priorities and trends.



Launched CGA Certification Board, LLC to provide **certification for industry professionals**.



**Overhauled all CGA websites** to provide modern, accurate, and secure access.

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## SUCCESS STORIES

- ✓ U.S. FDA held a series of public workshops to evaluate CGA's proposal for the development of separate regulations for medical gases, which will prevent our industry from being subjected to ineffective requirements intended for traditional pharmaceuticals.
- ✓ U.S. DOT revised 49 CFR to update the referenced edition of C-7 to the 9<sup>th</sup> ed., adopting CGA's recommended practices for GHS compliant labeling.
- ✓ U.S. DOT incorporated V-9 (7<sup>th</sup> ed.) in 49 CFR, enforcing uniform construction of critical design aspects and increasing reliability and safety performance of cylinder and valve packages during transportation.
- ✓ CSA B339 was revised to authorize a 10yr requalification period for certain manifolded cylinders transported in clusters (bundles), without having to remove cylinders each time they are filled, eliminating the need for an Equivalency Certificate.
- ✓ CSA B340 was revised to include use of non-specification vacuum-insulated containers, with maximum water capacity of 550 L and pressure up to 0.3 Mpa, for liquid helium transportation, eliminating the need for Equivalency Certificate.
- ✓ Obtained clarification from Health Canada that members are not required to provide WHMIS 2015 compliant labels, if requested.
- ✓ Gas and cryogenic liquid requirements incorporated into NFPA 55 from NFPA 99, eliminating the possibility of conflicting requirements.

## SELF-REGULATION

**19** CGA petitions submitted to regulatory agencies awaiting action.

Petitions under active development by CGA committees. **14**

**65** Comments submitted to align NFPA codes with CGA positions, with an **85% acceptance rate**.

Continued to support key relationships with regulatory and code authorities, including the

- U.S. Department of Transportation
- U.S. Environmental Protection Agency
- U.S. Food & Drug Administration
- U.S. Occupational Safety & Health Administration
- Transport Canada
- Health Canada
- International Code Council
- National Fire Protection Association
- Canadian Standards Association

to promote acceptance of CGA positions in requirements that impact our industry.



## HARMONIZATION

Administered 7 U.S. Technical Advisory Groups for ISO Technical Groups:

- ISO/TC 158, Analysis of Gases
- ISO/TC 197, Hydrogen Technologies
- ISO/TC 220, Cryogenic Vessels
- ISO/TC 58, Gas Cylinders
- ISO/TC 58/SC 2, Cylinder Fittings
- ISO/TC 58/SC 3, Cylinder Design
- ISO/TC 58/SC 4, Operational Requirements for Gas Cylinders

Worked with members of the International Harmonization Council to publish

**13 harmonized publications,**

bringing our total harmonized publication count to 57 new and 42 revised and ensuring the consistent application of industry best practices around the world,.

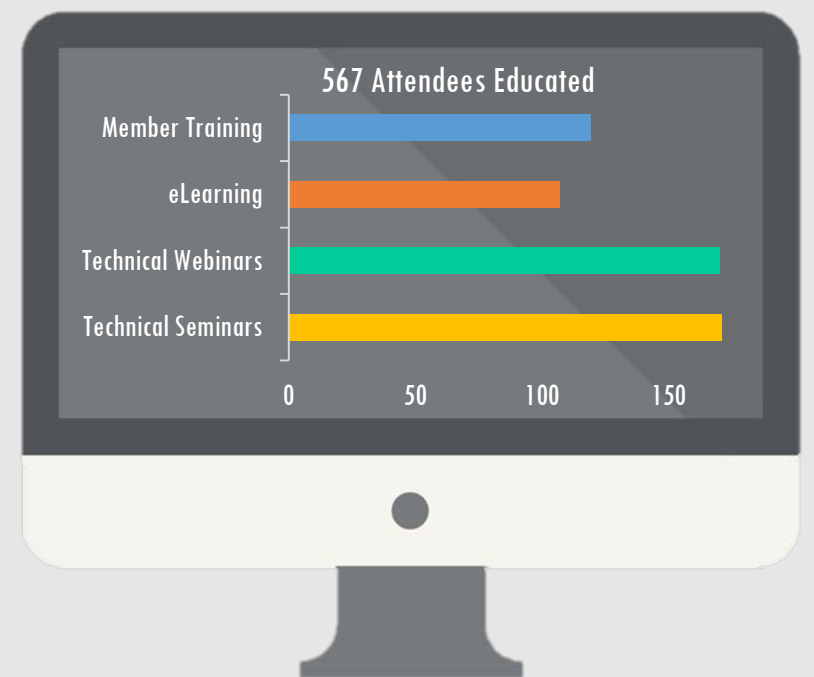
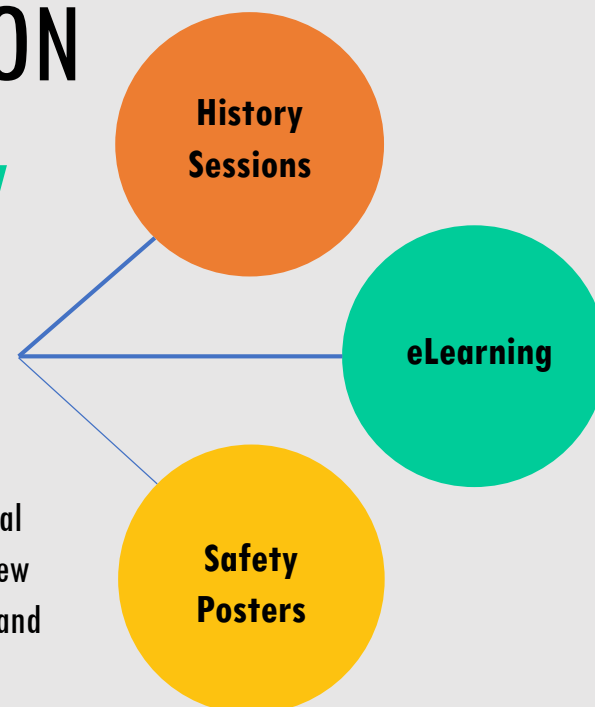
Participated in the U.S. delegation to the UN Sub Committee of Experts

for the Transport of Dangerous Goods (TDG) and the Globally Harmonized System of Classification and Labelling of Chemicals (GHS), advocating for the consideration of CGA's position on more than 30 issues directly impacting the industry. Positions adopted by the UN are often incorporated into U.S. and Canadian regulations.

## EDUCATION

Released new and updated educational resources

designed to facilitate communication of critical safety information to new industry professionals and other users.



## KEY PARTNERSHIPS

