



The Giving Common

An Initiative of the Boston Foundation

www.thegivingcommon.org

Museum of Science

Current

General Information

1 Science Park
Boston, MA 02114 1099
(617) 589-0100

Website

www.mos.org

Organization Contact

Jim Kraus apizzolato@mos.org

Year of Incorporation

1831

Statements & Search Criteria

Mission Statement

The Museum's mission is to play a leading role in transforming the nation's relationship with science and technology. This role becomes ever more important as science and technology shape and reshape our lives and world, and it means we:

- Promote active citizenship informed by the world of science and technology
- Inspire lifelong appreciation of the importance and impact of science and engineering
- Encourage young people of all backgrounds to explore and develop their interests in understanding the natural and human-made world

To do this, we will continue to build our position as a leader in the world's museum community and use our educational perspective as an informal learning institution to help the formal pre K-12 education system.

Background Statement

One of the world's largest science centers and Boston's most attended cultural institution, the Museum of Science introduces about 1.5 million visitors a year to science, technology, engineering, and math (STEM) via dynamic programs, over 700 interactive exhibits, and K-12 curricula products. Founded in 1830 as the Boston Society of Natural History, the Museum is located on the Charles River with spectacular views of the Boston and Cambridge skylines. It was the first museum to embrace all the sciences under one roof. Its landmark, long-range exhibits plan, "Science Is an Activity," encourages visitors to practice scientific thinking skills. The approach is unique in the museum world. The plan has been awarded many National Science Foundation grants and influenced exhibit development at other science centers. Other highlights include the Thomson Theater of Electricity, home of the world's largest air-insulated Van de Graaff generator; the newly transformed Charles Hayden Planetarium; the Mugar Omni Theater, a 180-degree domed theater; the 3-D Digital Cinema; *Colossal Fossil: Triceratops Cliff*, the nation's first rooftop Wind Turbine Lab, a Butterfly Garden, and a gallery challenging the boundaries between science and art. The Museum is also the first science and technology center in the United States to earn accreditation by the Association of Zoos and Aquariums, home to over 120 animals representing some 50 species. In 1999, the Museum of Science incorporated The Computer Museum, bringing its focus on computing technology and most engaging interactive exhibits to Science Park. In 2001, the Museum opened The Gordon Current Science & Technology Center, which offers breaking news with interpretation by Museum educators and presentations by the scientists and inventors involved. The only science museum in the United States with a plan to advance technological literacy in museums and schools nationwide, the Museum of Science launched the National Center for Technological Literacy® (NCTL®) in 2004. The NCTL advances technological literacy through advocacy and partnerships with government, education and industry leaders, in schools by helping states modify educational standards and assessments, by designing K-12 engineering materials, and by offering educators professional development.

Impact Statement

FY15 Recent Accomplishments

- Sir Timothy Berners-Lee (Inventor of the World Wide Web), Michael R. Bloomberg (Founder of Bloomberg LP & Bloomberg Philanthropies, 108th Mayor of New York City), and Richard Saul Wurman (Creator, curator, and chair of TED from 1984-2002) accepted the 2014 Bradford Washburn Award.
- The Gordon Foundation awarded the Museum a \$5 million grant to fund engineering curriculum and programming. This gift will significantly expand the Museum's ability to transform engineering and technology education and inspire young people to embrace the reward and rigors of becoming engineering leaders.
- The Museum honored its 2015 Star of STEM, Microsoft, with Dan'l Lewin their corporate vice president for technology and civic engagement accepting the award at the institution's annual signature event, The Science Behind the Stars.
- The Museum raised \$850,000 through major gifts and a social media campaign to make the triceratops fossil known as Cliff a part of our permanent collection.
- The Cummings Foundation awarded the Museum \$2.5 million to fund the renovation of the Lobby and Concourse as well as the construction of the new Yawkey Gallery on the Charles River.
- This fiscal year marked the end the Museum's first capital campaign, which far surpassed the goal of \$250 million. The funds raised have been used to create new exhibits and educational programming, upgrades to our facilities that add value to the visitor experience and improve environmental sustainability practices, and expand its K-12 engineering curriculum.

Current-Year Goals (FY16):

- Maintain and grow our annual attendance, which averages approximately 1.4 million visitors.
- Continuing to engage annually over 100,000 students throughout New England with our Traveling Programs, and continue to publish our award-winning K-12 engineering curricula, which has reached over 9 million students nationally via over 30,000 teachers.

Needs Statement

1. Endowment: \$100-\$150 million
2. Building – capital investment and deferred maintenance: \$50-\$100 million
3. Education investment funds, permanent and traveling exhibits: \$10-\$20 million
4. Technology infrastructure: \$5 million
5. General refreshment and refurbishment to keep the Museum modern, up to code and attractive to visitors: \$5-\$10 million

Service Categories

Science & Technology Museums

Science & Technology NEC

Educational Services

Geographic Areas Served

Please review online profile for full list of selected areas served.

Programs

Yawkey Gallery on the Charles River and Renovations to our Lobby

Description

Anticipated to open in late 2015, the 3-story *Yawkey Gallery on the Charles River* will be a 5,000 square-foot centerpiece of the Museum's reno-vated lobby, entrance, and box office. Using the river as backdrop, visitors will learn how the natural world and the engineered world are connected and interdependent

The first comprehensive makeover of the lobby since its construction will revive the look, feel, and function of the space. New windows will be installed on the river side of the lobby, from the ground floor to the ceiling. This new glass will be electrochromatically tinted and connected to solar sensors, so the amount of direct sunlight into the lobby can be controlled. In addition, the Museum's commitment to environmental sustainability will be signaled outside, with a living green wall on the five-story parking garage and a cistern positioned to collect rain water from the garage roof.

Budget

21000000

Category

Arts, Culture & Humanities, General/Other Museum Education

Population Served

Children and Youth (0 - 19 years), Families, General/Unspecified

Program Short Term Success

Program Long term Success

Program Success Monitored By

Examples of Program Success

Educational Programs

Description

Since forming the National Center for Technological Literacy® in 2004, the Museum of Science has played a leading role in introducing engineering curriculum in America's K-12 classrooms. We have developed an award-winning series of textbooks through initiatives

like Engineering is Elementary, Building Math, and Engineering the Future, and we have provided essential training to educators through workshops.

The Museum of Science has made STEM education—science, technology, engineering, math—a priority in our Campaign fund-raising efforts. Having reached approximately 35,500 teachers and close to 3 million students in all 50 states, the Museum's K-12 curriculum is bringing engineering education to the forefront to help the United States gain an edge in technological literacy.

The Museum of Science is emerging as a substantial contributor to the cultural life of the community through our Art & Science Gallery and a robust program of adult offerings and community forums.

Budget

3100000

Category

Arts, Culture & Humanities, General/Other Museum Education

Population Served

Children and Youth (0 - 19 years), Families, General/Unspecified

Program Short Term Success

Program Long term Success

Program Success Monitored By

Examples of Program Success

Management

CEO/Executive Director

Executive Director	Dr. Ioannis Miaoulis
Term Start	Jan 2003
Email	information@mos.org

Staff Information

Full Time Staff	341
Part Time Staff	83
Volunteers	607
Contractors	280

Staff Demographics - Ethnicity

African American/Black	0
Asian American/Pacific Islander	0
Caucasian	0
Hispanic/Latino	0
Native American/American Indian	0
Other	341

Staff Demographics - Gender

Male	0
Female	0
Unspecified	341

Formal Evaluations

CEO Formal Evaluation	Yes
CEO/Executive Formal Evaluation Frequency	Annually
Senior Management Formal Evaluation	Yes
Senior Management Formal Evaluation Frequency	Annually
NonManagement Formal Evaluation	Yes
Non Management Formal Evaluation Frequency	Annually

Plans & Policies

Organization has a Fundraising Plan?	Yes
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Organization has a Strategic Plan?	Yes
Years Strategic Plan Considers	5
Date Strategic Plan Adopted	Jan 2011
Organization Policy and Procedures	Yes
Nondiscrimination Policy	Yes
Whistleblower Policy	No
Document Destruction Policy	No
Registration	Yes
Permit?	Yes

External Assessments and Accreditations

<u>Assessment/Accreditation</u>	<u>Year</u>
American Zoos and Aquariums Association - Accreditation	0
Association of Science and Technology Centers	0
American Association of Museums - 10 Year Accreditation	0

Board & Governance

Board Chair

Board Chair	Ms. Gwill E. York
Company Affiliation	Lighthouse Capital Partners
Term	July 2015 to 0
Email	information@mos.org

Board Members

Name	Affiliation	Status
Mr. John E. Abele	not available	NonVoting
Dr. Vernon R. Alden	not available	NonVoting
Mr. Richard I. Anders	not available	Voting
Mr. J.P. Barger	not available	NonVoting
Mr. Jeffrey R. Beir	not available	Voting
Mrs. Christine P. Bellon	not available	Voting
Mr. Warren S. Berg	not available	NonVoting
Mr. Joshua Boger	not available	Voting
Mr. Alexis Borisy	not available	Voting
Mrs. Jane C. Bradley	not available	NonVoting
Mr. Richard M. Burnes Jr.	not available	Voting
Mr. Richard A. Carpenter	not available	Voting
Dr. Mitchell D. Chester	not available	Voting
Mr. Yet-Ming Chiang	not available	Voting
Mr. Stephen E. Coit	not available	Voting
Mrs. Stacy Lorraine Cowan	not available	Voting
Mrs. Brit J. d'Arbeloff	not available	NonVoting
Mrs. Edith LaC. Dabney	not available	NonVoting
Ms. Nancy E. Dempze	not available	Voting
Dr. Sally L. Dias	not available	NonVoting
Mr. Gary T. DiCamillo	not available	Voting
Dr. Richard A. DiPerna	not available	Voting
Dr. Deborah Dunsire	not available	Voting
Mr. George P. Edmonds Jr.	not available	NonVoting
Mr. Paul Egerman	not available	Voting
Dr. David W. Ellis	not available	NonVoting
Mr. John A. Fibiger	not available	NonVoting
Mrs. Gretchen S. Fish	not available	Voting
Dr. Walter J. Gamble	not available	NonVoting
Mr. M. Dozier Gardner	not available	NonVoting
Ms. Diane R. Gordon	not available	NonVoting
Dr. Paul E. Gray	not available	NonVoting

Mr. Gary R. Gregg	not available	Voting
Ms. Helen Greiner	not available	Voting
Mr. Steven Haley	not available	Voting
Mrs. Daphne Hatsopoulos	not available	NonVoting
Mrs. Julie E. Henry	not available	NonVoting
Ms. Emily C. Hood	not available	NonVoting
Ms. Carol Ann Kania	not available	Voting
Dr. Donald M. Kaplan	not available	Voting
Mr. Wayne M. Kennard	not available	Voting
Mr. Ranch C. Kimball	not available	Voting
Ms. Wendy W. Kistler	not available	Voting
Mr. Gerald C. Kohn	not available	Voting
Ms. Maria Lewis Kussmaul	not available	Voting
Ms. Pam Lassiter	not available	Voting
Dr. Kenneth D. Legg	not available	Voting
Dr. Frederick H. Lovejoy Jr.	not available	NonVoting
Mr. William A. Lowell	not available	NonVoting
Ms. Joy Lucas	not available	Voting
Mr. Kurt Melden	not available	Voting
Dr. Ioannis N. Miaoulis	Museum of Science	Voting
Mrs. Elizabeth Moore	not available	Voting
Ms. Laura Barker Morse	not available	Voting
Mrs. Elinor P. Nichols	not available	NonVoting
Mr. James R. Nichols	not available	NonVoting
Ms. Alison Nolan	not available	Voting
Mr. Kenneth J. Novack	not available	NonVoting
Mr. William R. O'Reilly Jr.	not available	Voting
Mrs. Jane Pappalardo	not available	NonVoting
Mr. Thomas J. Pincince	not available	Voting
Mr. Johan Pontin	not available	Voting
Mr. Eugene E. Record Jr.	not available	Voting
Mr. John F. Reno	not available	NonVoting
Ms. Elizabeth G. Riley	not available	Voting
Ms. Carol Sanchez CPA	not available	Voting
Mr. Preston H. Saunders	not available	NonVoting
Dr. George Scangos	not available	Voting
Mr. William Schawbel	not available	NonVoting
Mr. Matthew D. Shedd	not available	NonVoting
Mr. Malcolm L. Sherman	not available	Voting
Mr. Lawrence A. Siff	not available	Voting
Dr. Ralph Z. Sorenson	not available	NonVoting
Mr. Ira Stepanian	not available	NonVoting
Dr. Howard H. Stevenson	not available	Voting

Mrs. Joan C. Suit	not available	NonVoting
Mr. William H. Swanson	not available	Voting
Mr. Henri A. Termeer	not available	Voting
Dr. Samuel O. Thier	not available	NonVoting
Mr. Michael G. Thonis	not available	Voting
Mr. Hal R. Tovin	not available	Voting
Mr. Neil W. Wallace	not available	NonVoting
Mr. D. Reid Weedon Jr.	not available	NonVoting
Mr. Sinclair Weeks Jr.	not available	NonVoting
Ms. Gwill E. York	not available	Voting

Board Demographics - Ethnicity

African American/Black	2
Asian American/Pacific Islander	6
Caucasian	92
Hispanic/Latino	0
Native American/American Indian	0
Other	0

Board Demographics - Gender

Male	68
Female	32
Unspecified	0

Board Information

Board Term Lengths	3
Board Term Limits	4
Written Board Selection Criteria?	Under Development
Written Conflict of Interest Policy?	Yes
Percentage Making Monetary Contributions	98%
Constituency Includes Client Representation	Yes

Financials

Fiscal Year

Fiscal Year Start	July 01, 2016
Fiscal Year End	June 30, 2017
Projected Revenue	\$56,495,000.00
Projected Expenses	\$56,392,000.00
Endowment?	Yes
Endowment Value	\$96410000.00
Spending Policy	Percentage
Percentage	5%
Credit Line?	Yes
Reserve Fund?	Yes
Months Reserve Fund Covers	0

Detailed Financials

Revenue and Expenses

Fiscal Year	2016	2015	2014
Total Revenue	\$63,612,000	\$71,520,000	\$78,556,000
Total Expenses	\$72,628,000	\$67,455,000	\$63,974,000

Revenue Sources

Fiscal Year	2016	2015	2014
Foundation and Corporation Contributions	--	\$14,197,000	\$12,739,000
Government Contributions	\$5,418,000	\$7,479,000	\$7,513,000
Federal	--	\$7,146,000	\$7,171,000
State	--	\$333,000	\$342,000
Local	--	--	--
Unspecified	\$5,418,000	--	--
Individual Contributions	\$12,308,000	\$5,059,000	\$2,622,000
Indirect Public Support	--	--	--
Earned Revenue	\$26,863,000	\$28,520,000	\$26,076,000
Investment Income, Net of Losses	(\$2,943,000)	\$2,000	\$17,034,000
Membership Dues	\$7,710,000	\$6,933,000	\$7,233,000
Special Events	--	--	--
Revenue In-Kind	\$4,629,000	\$7,135,000	\$3,205,000
Other	\$9,627,000	\$2,195,000	\$2,134,000

Expense Allocation

Fiscal Year	2016	2015	2014
Program Expense	\$45,768,000	\$43,566,000	\$40,814,000
Administration Expense	\$21,806,000	\$19,069,000	\$18,917,000
Fundraising Expense	\$5,054,000	\$4,820,000	\$4,243,000
Payments to Affiliates	--	--	--
Total Revenue/Total Expenses	0.88	1.06	1.23
Program Expense/Total Expenses	63%	65%	64%
Fundraising Expense/Contributed Revenue	29%	18%	19%

Assets and Liabilities

Fiscal Year	2016	2015	2014
Total Assets	\$232,406,000	\$242,365,000	\$237,019,000
Current Assets	\$28,318,000	\$35,400,000	\$34,121,000
Long-Term Liabilities	\$8,662,000	\$9,336,000	\$9,241,000
Current Liabilities	\$10,692,000	\$10,961,000	\$9,775,000
Total Net Assets	\$213,052,000	\$222,068,000	\$218,003,000

Short Term Solvency

Fiscal Year	2016	2015	2014
Current Ratio: Current Assets/Current Liabilities	2.65	3.23	3.49

Long Term Solvency

Fiscal Year	2016	2015	2014
Long-Term Liabilities/Total Assets	4%	4%	4%

Top Funding Sources

Fiscal Year	2016	2015	2014
Top Funding Source & Dollar Amount	--	--	--
Second Highest Funding Source & Dollar Amount	--	--	--
Third Highest Funding Source & Dollar Amount	--	--	--

Capital Campaign

Currently in a Capital Campaign?	No
Capital Campaign Anticipated in Next 5 Years?	Yes

Comments

Foundation Staff Comments

Financial summary data in the charts and graphs above are per the organization's audited financials and reflects both operating and non-operating revenue. Revenue breakout detail for FY15 and FY14 was provided by the nonprofit. Contributions from foundations and corporations are listed under individuals as the breakout was not available.