



ASSEE

FISCAL YEAR 2006

A SUPPLEMENT TO THE APRIL 2007 ISSUE OF *PRISM*



ASEEE

MISSION STATEMENT

The American Society for Engineering Education is committed to furthering education in engineering and engineering technology. This mission is accomplished by promoting excellence in instruction, research, public service and practice; exercising worldwide leadership; fostering the technological education of society; and providing quality products and services to members.

The Society seeks to encourage local, national and international communication and collaboration; influence corporate and government policies and involvement; promote professional interaction and lifelong learning; effectively utilize the Society's human and other resources; recognize outstanding contributions of individuals and organizations; encourage youth to pursue studies and careers in engineering and engineering technology; and influence the recruitment and retention of young faculty and underrepresented groups.

ASEEE

VISION STATEMENT

ASEE will serve as the premier multidisciplinary society for individuals and organizations committed to advancing excellence in all aspects of engineering and engineering technology education. To realize its vision, ASEE will:

- ◆ Enhance services to its members
- ◆ Work with educational institutions to improve engineering education and promote faculty development
- ◆ Facilitate productive collaborations among industry, academia and government
- ◆ Increase the participation and success of underrepresented groups in the engineering profession
- ◆ Promote the value of the engineering profession to society
- ◆ Increase membership in ASEE in order to more completely serve the engineering and engineering technology enterprise
- ◆ Facilitate international cooperation in matters pertaining to engineering education

Endorsed by the ASEE Board of Directors on June 30, 1994, in Edmonton, Alberta, Canada, and approved by the ASEE Board of Directors on June 24, 2001, in Albuquerque, N.M.

PRESIDENT'S MESSAGE



It has been a pleasure and an honor to serve as ASEE's president during the past year. A lasting impression from the year has been the commitment of the ASEE staff to serve its members. I also have a strong realization of the importance of ASEE's continuous commitment to addressing the critical issues in education including curriculum and pedagogy, the attraction of underrepresented groups to engineering and engineering technology and the importance of viewing ASEE's activities from a global perspective. The attention to these critical areas has resulted in a growing ASEE membership.

The ASEE Board of Directors is tasked with providing strategic direction and assessing the operational relevance of ASEE's professional staff. An important part of this effort is the annual review by the Oversight Committee, a subcommittee of the Board of Directors. Each year, this committee visits ASEE headquarters to meet with virtually every staff member to identify the accomplishments, the challenges and the opportunities at ASEE. As ASEE has grown, almost doubling in size over the past few years (with support of external funds primarily related to managing the award of federal fellowships), more formal attention to the human resource area has been identified as an important factor in ASEE's continued success. Thus, during this year, a human resource director has been added to the ASEE staff.

The full Board of Directors has taken an active role in identifying strategic opportunities for ASEE and in providing critical leadership in the divisions and councils that are the heart of ASEE's service to its members.

At this time, the national interest in engineering and engineering technology education has been heightened by the National Academies' report "Rising Above the Gathering Storm." This report has indicated that the future economic vitality of the country will be tied to the quality and innovative capabilities of the science and engineering graduates of the future. Also, the continued efforts of the National Academy of Engineering, represented by the publication of "The Engineer of 2020," have provided a focus on the future attributes needed in engineers to be successful in a global economy.

ASEE has responded to this increased national interest with the development of The Year of Dialogue (YOD), initiated in the plenary session of the ASEE 2006 annual conference as a Socratic dialogue addressing "What is an effective education for the global future and how is it best learned?" The ASEE Year of Dialogue is focused on how the community can collectively advance engineering and engineering technology education based on the wisdom and experience of faculty and industry and government professionals. Meetings of ASEE's 12 sections and four zones have been convened to engage members in the task of developing the education needed to produce effective global engineers for 2020 and beyond. A definitive report will be prepared to capture the concepts, the ideas and the opportunities from the YOD discussion to help chart future directions for engineering and engineering technology education.

PRESIDENT'S MESSAGE

During the past few years, ASEE has also strengthened its outreach to the K-12 community and, in particular, has developed a series of special workshops held prior to the summer annual meeting that involve K-12 teachers from the local community. This continued strengthening of ASEE's interactions with K-12 teachers provides a significant opportunity for ASEE members to contribute to preparing students so they may seek engineering and engineering technology careers.

During the past year, ASEE has continued its strong role in working with educational leaders throughout the world to advance international approaches to engineering and engineering technology education. Specifically, ASEE has been instrumental in helping to organize the International Federation of Engineering Education Societies (IFEES), which will lead and provide a forum for the exchange of educational approaches developed throughout the world.

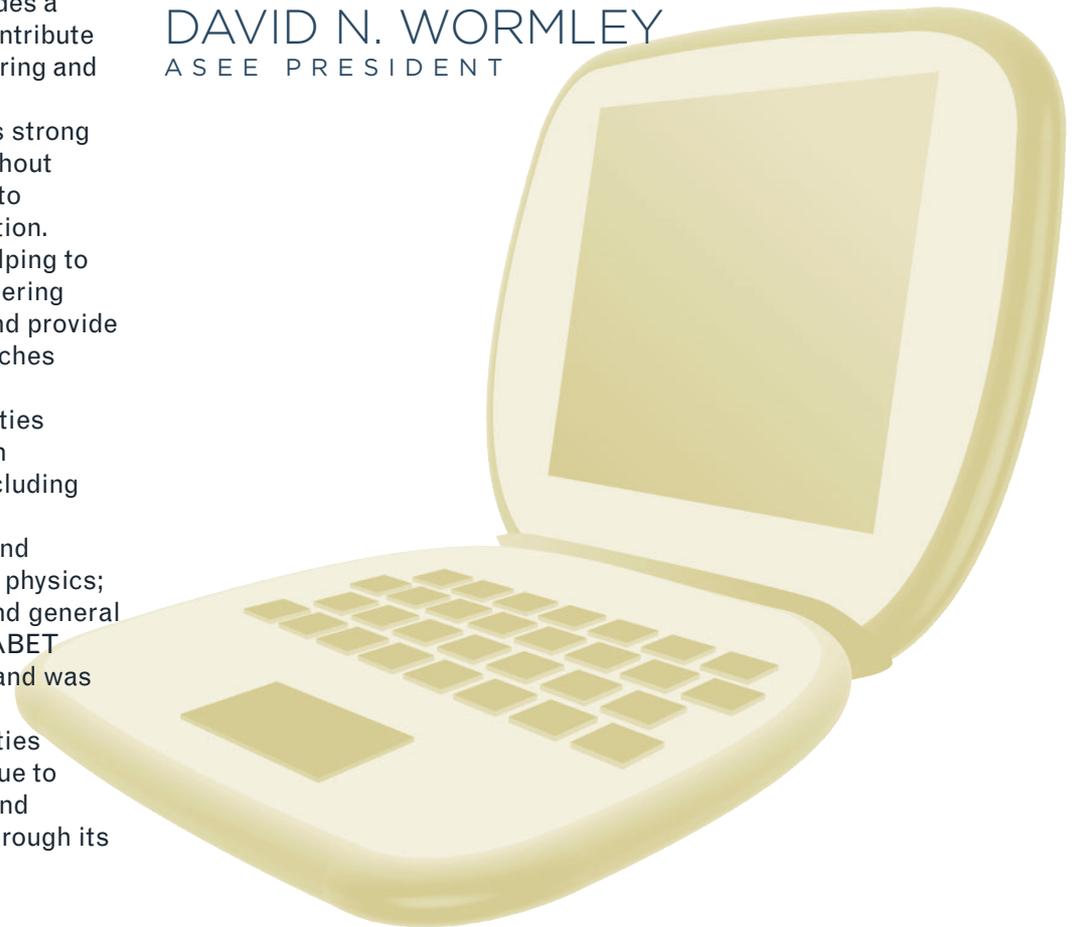
ASEE has now become one of the lead societies of ABET. During the past year, ASEE has taken responsibility for ABET accreditation visits, including identifying and training visitors in the areas of engineering and applied science; engineering and public policy; engineering science; engineering physics; general engineering; integrated engineering; and general engineering technology. This role for ASEE in ABET has been under development for several years and was approved this past year by the ABET Board.

As I look to the future, ASEE's current activities provide a very strong foundation for it to continue to make significant contributions to engineering and engineering technology education worldwide through its

strong and committed service to its members.

In closing, I want to thank the members of ASEE and the ASEE staff who have contributed so much to the success of ASEE during this year.

DAVID N. WORMLEY
A S E E P R E S I D E N T



EXECUTIVE DIRECTOR'S MESSAGE



DEAR MEMBERS,

2006 was a good year for ASEE. Membership increased, meetings were well-attended and *Prism* won more than a dozen awards. International activities soared with the fine success of the Global Colloquium in Rio. Expanded K-12 efforts raised ASEE's national leadership profile, while Projects work successfully assumed larger proportions. Bedrock programs such as Public Affairs, Awards, Finance and IT were reassuringly strong and reliable. Allow me to mention the highlights of 2006.

* **MEMBERSHIP**

I am pleased that last year, Membership had a good year. Both academic and corporate institutional membership posted gains, including strong growth in Engineering Research Council membership. Professional membership continued a steady ascent and is now over 9,550. The growth in Professional Membership reflects increased new member enrollments, thanks in large part to another good year for the Deans Program and Campus Representative recruiting. The Institutional Contact, Student and Global Online membership categories also showed significant growth during the year, and total membership is now at 13,050.

* **ANNUAL CONFERENCE**

The 2006 ASEE Annual Conference held in Chicago was our best-attended annual meeting to date. We had a record 3,509 attendees, 2,246 of whom were prime attendees, 1,572 papers and a full exhibit hall. Registration ran smoothly, and the opening picnic at the famous Navy Pier was a hit. We did something different for the Main Plenary and held an interactive Socratic Dialogue, which members seemed to enjoy. The Distinguished Lecture Series, now in its fourth year, has proved a popular addition to the program. In 2007, the annual meeting will be held in Honolulu, and it promises to be an excellent meeting in a wonderful setting.

* **PRISM MAGAZINE**

Prism magazine is a favorite benefit of ASEE membership. Last year *Prism* won 15 awards for editorial content and design. In September 2006, a redesigned *Prism* debuted with even more appealing graphics and new editorial additions such as the monthly Year of Dialogue column, written by top engineering educators.

* **K-12**

ASEE's K-12 engineering activities further expanded last year. *Engineering, Go for It!* continues as our flagship product about the rewards of study and work in engineering. We've embarked on a third edition, and with publication in September 2007, we hope to exceed 1 million copies in circulation of all editions.

Held in Chicago, the third annual ASEE Workshop on K-12 Engineering Education attracted 175 attendees, about

EXECUTIVE MESSAGE

half coming from K-12 communities and half from higher education, nonprofit and industry groups. The event featured 23 technical sessions and plenary speeches from national and Chicago-area leaders in K-12 STEM education. A diverse group of sponsors supported the event, and proceedings are available on our K-12 Web site, along with the other K-12 engineering resources that ASEE has developed. ASEE also played leadership roles in a variety of other K-12 education activities.

* **INTERNATIONAL ACTIVITIES**

5th Global Colloquium

ASEE's international work and perspective has expanded significantly, and the ASEE Global Colloquium has contributed to ASEE's increasing visibility in the international arena. The 5th Global Colloquium in Brazil far exceeded expectations by increasing participation to over 450 representatives from 34 countries and by building a network of collaboration and partnership among Brazilian, U.S. and Latin American universities and institutions, the Organization of American States, the World Bank and corporate representatives. At the colloquium, the new ASEE Student Forum was highly successful with the participation of over 50 students from many countries. Next year's colloquium will be held in Istanbul, Turkey, hosted by Bosphorus University. Relationships have been developed with the deans of the host universities for the Global Colloquium in Istanbul in 2007 and Cape Town in 2008. ASEE currently has 675 global online members, who receive our monthly ASEE Action International e-newsletter and have access to our publications online.

* **IFEES**

The 2006 Global Colloquium served as the platform for the inaugural meeting of the International Federation for Engineering Education Societies (IFEES), which is intended to foster global collaboration among engineering education organizations worldwide. At this first meeting, elections were held and the officers and an executive committee representing all regions of the world were elected by the 31 founding member institutions. The discussion focused on future activities of IFEES, and participants represented an impressive aggregation of engineering and corporate leaders.

* **PUBLIC AFFAIRS**

In February 2006, the Public Affairs Department held a successful Engineering Deans Council Public Policy Colloquium in Washington focusing on the recommendations of "Rising Above the Gathering Storm" and the President's American Competitiveness Initiative. Speakers included U.S. Secretary of Energy Samuel Bodman, Sens. Lamar Alexander (R-Tenn.) and Jeff Bingaman (D-N.M.) and Richard Buckius, acting assistant director for engineering at NSF. The Public Policy Colloquium was attended by 94 deans from 39 states. Prior to the colloquium, the Engineering Deans Council held a joint university-industry intellectual property workshop.

The Engineering Deans Institute, held in San Francisco, drew more than 130 deans from the United States, Canada and Lebanon. The EDI Program focused on "Engineering Leadership in American Society."

* **PROJECTS**

ASEE has administered education-related programs for the federal government since 1963. For FY 2006, ASEE administered federal programs totaling \$33 million. ASEE's federal contract administration has tripled since FY 2000. This increase in the number

DIRECTOR'S

and size of the awards helps support headquarters' operations as well as enhanced membership services. ASEE's newest endeavor is managing the administration of the SMART Defense Scholarship for Service Program. The following is a list of the 2006 programs managed by ASEE:

- * National Defense Science and Engineering Graduate (NDSEG) Fellowship Program
- * National Science Foundation Graduate Research Fellowship Program
- * NASA Summer Faculty Research Opportunities
- * Naval Research Laboratory–ASEE Postdoctoral Fellowship Program
- * ONR-ASEE Summer Faculty Research Program and Sabbatical Leave Program
- * Challenge X
- * SMART Defense Scholarship for Service Program
- * Air Force Summer Faculty Fellowship Program
- * Helen T. Carr Fellowship Program
- * ONR Science and Engineering Apprenticeship Program (SEAP)
- * ONR Naval Research Enterprise Intern Program (NREIP)
- * NSF Rigorous Research in Engineering Education with Colorado School of Mines and U of Minnesota

* **DATA COLLECTION**

ASEE collected detailed demographic data for degrees and enrollments in the annual survey of engineering and engineering technology colleges. Last year, ASEE's data was quoted several times in the press, including the Wall St. Journal and BusinessWeek.

* **IT**

The notable achievements of the IT department included the redesigned ASEE Web site, the successful implementation of the SmoothPaper system, improvements to the National Science Foundation Graduate Research Fellowship Program system and implementation of a bug-and-request tracking system. The redesigned ASEE Web site is better looking, responds more quickly and is more logically arranged. Changes made the site more helpful to members and others visiting the site. A complete rewrite of the previous system for submission of abstracts and papers for the annual conference was introduced, which improved the user experience as well as the robustness of the system.

* **AWARDS PROGRAM**

The culmination of ASEE's 2006 Awards Program took place at the ASEE Annual Awards Banquet with the presentation of 12 National and Society Awards. Presented for the first time was ASEE's newest endowed award, the John L. Imhoff Global Excellence Award for Industrial Engineering Education. After several years of sponsorship, DuPont fully endowed the Minorities in Engineering Award, now renamed the DuPont Minorities in Engineering Award. The Awards Program also recognized Board Members, Outstanding Zone Campus Representatives, ASEE Fellow Members and winners of the Annual Conference Best Paper Awards. Support was provided to the ASEE Awards Policy Committee, which established five new awards in the ASEE national, council, section and division areas.

EXECUTIVE DIRECTOR'S MESSAGE

***FINANCES**

ASEE is in good financial health. Over the past dozen years, we have increased ASEE's reserves by adding more than \$2 million to ASEE's net assets. With ASEE Board direction and support, ASEE last year substantially increased its commitments in the international and K-12 arenas and laid plans for a new online journal.

ASEE's Accounting Department meticulously applied internal governance practices to ensure fiscal accountability to the Finance Committee, Board of Directors and ASEE's membership, in preparation of ASEE's budget and supporting materials for the Finance Committee and Board meetings. The Accounting Department prepared annual reports for each corporation and worked with ASEE's auditors to successfully complete two audits with no notable exceptions. In accordance with the Sarbanes-Oxley Act, which sets strict standards for financial accounting, we adopted suggestions offered by ASEE's independent auditor.

***CLOSE**

2006 was a productive year with staff and volunteers working together to further ASEE's goals and objectives. In all, we remain ever cognizant of ASEE's proud mission and exist to serve ASEE's membership. I commend ASEE's hard working staff, and I am appreciative of the unflagging support of ASEE's Board of Directors, committed volunteers and our members. Through our joint efforts, we ensure that ASEE's future is strong and promising.

FRANK L. HUBAND
ASEE EXECUTIVE DIRECTOR

CONSOLIDATED STATEMENTS OF ACTIVITIES

(EXCLUDING PASS-THROUGH FUNDS FOR FEDERAL AWARDS)

For the Fiscal Years Ended September 30

REVENUE

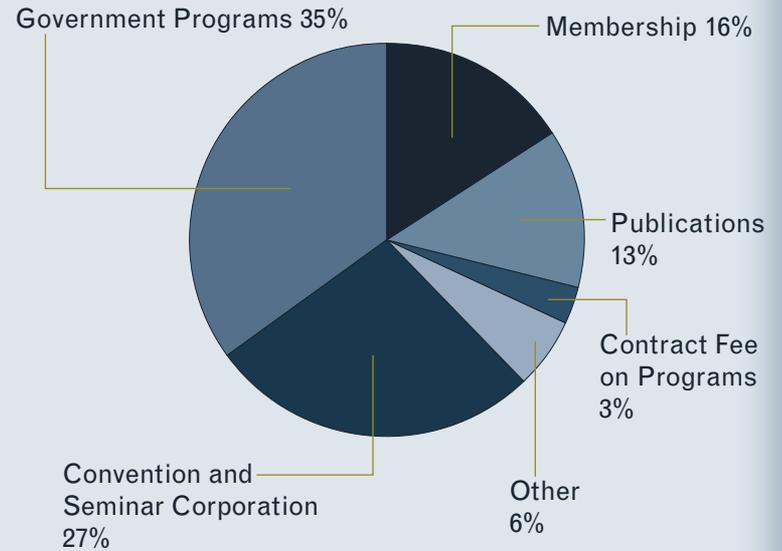
	FY 2006	FY 2005
Membership	\$1,204,853	\$1,168,815
Publications	1,013,483	1,323,798
Non-government Awards		6,953
Contract Fee on Programs	227,718	259,359
Other	463,643	429,693
Convention and Seminar Corporation	2,060,292	1,856,311
Tau Alpha Pi	18,532	20,591
Government Programs (less participant support)	2,623,061	2,446,375
TOTAL	\$7,611,582	\$7,511,895

EXPENSES

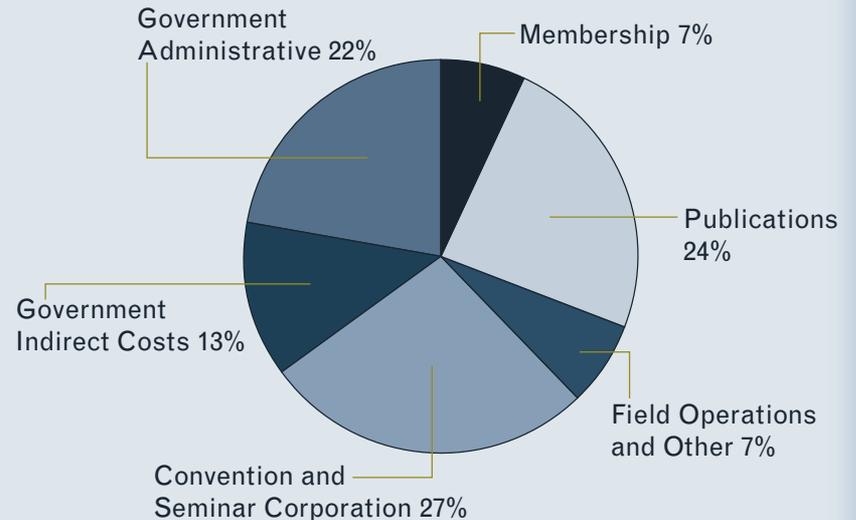
Membership	\$503,918	\$428,321
Publications	1,788,359	1,985,775
Non-government Programs		6,953
Field Operations and Other	555,574	503,631
Convention and Seminar Corporation	2,056,093	1,699,609
Tau Alpha Pi	15,575	15,756
Government Indirect Costs	943,631	836,872
Government Administrative	1,679,430	1,609,503
TOTAL	\$7,542,580	\$7,086,420

CHANGE IN NET ASSETS **\$69,002** **\$425,475**

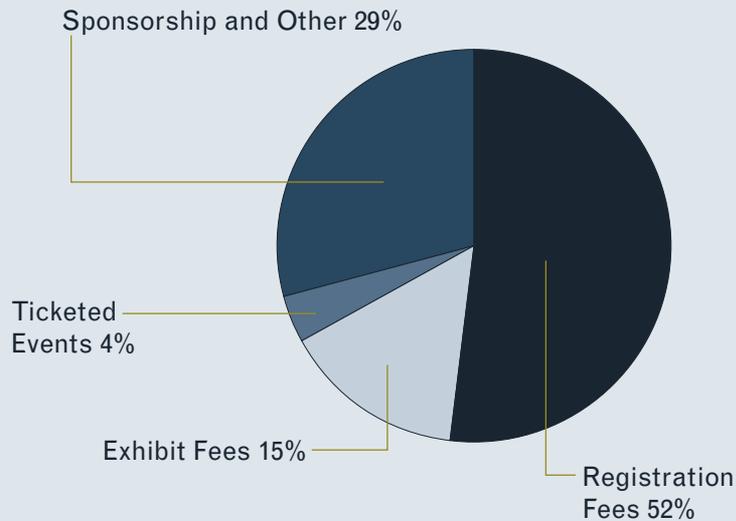
REVENUE



EXPENSES



REVENUE



ASEE CONVENTION AND SEMINAR CORPORATION

For the Fiscal Years Ended September 30

REVENUE

	FY 2006	FY 2005
Registration Fees	\$1,075,843	\$1,079,454
Exhibit Fees	300,608	283,334
Ticketed Events	91,456	104,215
Sponsorship and Other	592,385	389,308
TOTAL	\$2,060,292	\$1,856,311

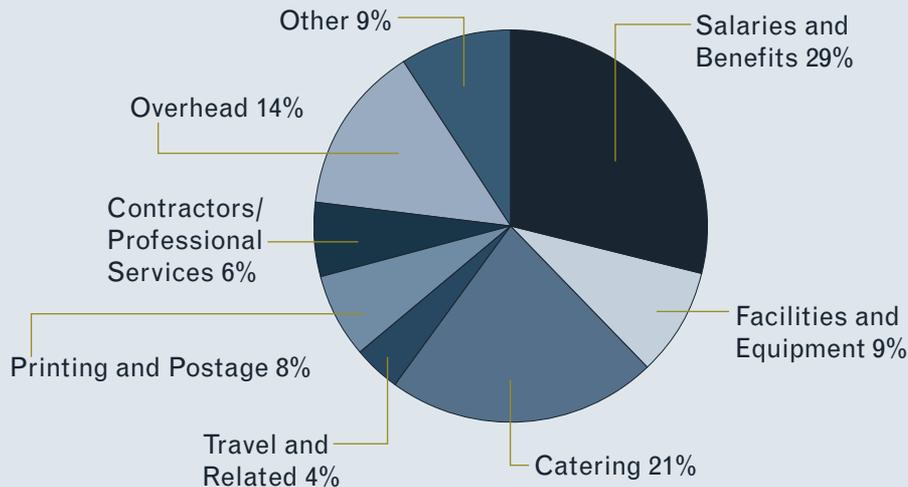
EXPENSES

Salaries and Benefits	\$598,723	\$515,397
Facilities and Equipment	185,436	117,344
Catering	441,601	279,841
Travel and Related	83,321	110,554
Printing and Postage	162,393	74,134
Contractors/Professional Services	124,795	93,112
Overhead	283,318	264,549
Other	176,506	244,678
TOTAL	\$2,056,093	\$1,699,609

CHANGE IN NET ASSETS

	\$4,199	\$156,702
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EXPENSES



FEDERAL AWARDS AND NON-GOVERNMENTAL PROGRAMS

For the Fiscal Years Ended September 30

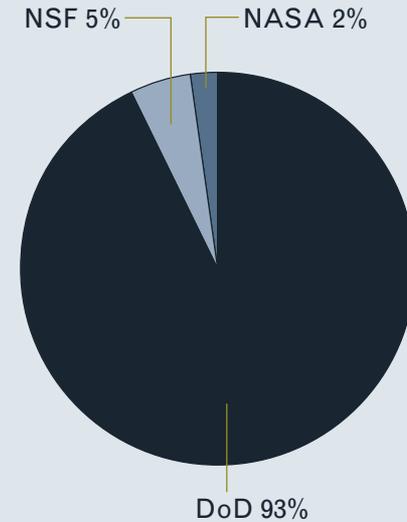
REVENUE

	FY 2006	FY 2005
Department of Defense	\$30,987,843	\$29,748,703
National Science Foundation	1,802,893	2,738,135
NASA	588,926	1,453,175
Non-governmental Program		6,953
TOTAL	\$33,379,662	\$33,946,966

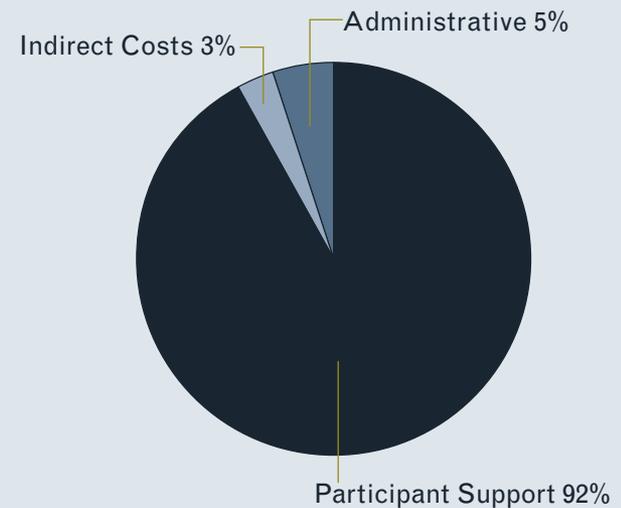
EXPENSES

Participant support	\$30,756,601	\$31,493,638
Indirect costs	943,631	836,872
Administrative	1,679,430	1,609,503
TOTAL	\$33,379,662	\$33,940,013

REVENUE



EXPENSES



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JUNE 2006—JUNE 2007

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Executive Director

