The National Center for Responsible Gaming’s (NCRG) mission is to help individuals and families affected by gambling disorder by supporting the finest peer-reviewed, scientific research on the disorder; encouraging the application of new research findings to improve prevention, diagnostic, intervention and treatment strategies; and advancing public education about gambling disorder and responsible gaming.
In 2015, the National Center for Responsible Gaming (NCRG) made great strides in furthering its innovative efforts to understand gambling disorder, provide insights into treatments for individuals affected by gambling disorder, and enhance the education of clinicians, public health professionals, gaming regulators and industry representatives on gambling disorder and responsible gaming.

Cutting-edge research supported by the NCRG studied various aspects of the disorder, from basic science on animal models that can be used for testing drugs to experimenting with technology such as text messaging to reduce gambling problems among college students. Some projects experimented with new approaches to gambling disorder such as the University of Maryland School of Medicine investigation that is testing the feasibility and effectiveness of screening for gambling problems in primary care clinics. Such innovative studies will help us develop more effective outreach to disordered gamblers.

The NCRG also advanced the cause of expanded screening through participation in Gambling Disorder Screening Day sponsored by the Division on Addiction, Cambridge Health Alliance, a teaching hospital of Harvard Medical School. Through this event, the NCRG distributed the Brief Biosocial Gambling Screen (BBGS) to more than 2,000 clinicians and treatment organizations throughout the nation.

Many of the NCRG’s 2015 activities extended beyond US borders. For example, the first-ever NCRG@IAGA program was held in conjunction with the annual meeting of the International Association of Gaming Advisors (IAGA) in Vancouver, BC. The day-long conference focused on the research base for responsible gaming issues relevant to gaming regulators and the gaming industry worldwide. We thank IAGA for this opportunity to present an evidence-based program for the individuals who develop and implement responsible gaming programs.

None of these accomplishments would be possible without the NCRG donors, our many partner organizations and the scientists who work on NCRG-funded grants and serve as members of the peer review panels and the Scientific Advisory Board.

On behalf of the NCRG Board of Directors, we want to thank all who helped the NCRG maintain a high quality, innovative program addressing the needs of individuals and families affected by gambling disorder.

Sincerely,

Alan M. Feldman
Chairman of the National Center for Responsible Gaming
2015 NCRG BOARD OF DIRECTORS

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San Diego State University

Mark Vander Linden
Director of Research and Responsible Gaming
Massachusetts Gaming Commission

Andrew Zarnett
Managing Director
Deutsche Bank
THE PATH FORWARD

Having joined the NCRG team just this past March, I did not have the opportunity to participate in building the 2015 accomplishments. As you will see in this report they are many and they significantly contribute to the field of gambling disorder research, further solidifying NCRG’s position as the leading organization funding scientific research on gambling disorder. It is a privilege to serve as the executive director and collaborate with colleagues with broad and deep expertise to forge the next chapter of the NCRG.

The NCRG’s Public Health Initiative, kicked-off in July 2016, is that next chapter. You will learn about the details in the NCRG 2016 Annual Report. Briefly, the initiative is intended to provide guidance to state departments of health, public health professionals, state legislators and other public officials on the development and implementation of evidence-based public health policy on gambling disorder. The timeliness of the Initiative is optimal as the gaming industry is continuing to expand and innovate while public authorities seek to understand and manage the changes based on the needs of their constituencies. Utilizing a public health perspective, the NCRG will be investigating not only the multidimensional relationships among gambling disorder and its comorbidities, but also the strategic processes by which changes in public policy are implemented. Both are needed in order to develop a more in-depth understanding of gambling disorder, its diagnosis, its impact and its effective treatment.

I look forward to meeting the many NCRG donors and partners and engaging them in the new chapter for the NCRG, further advancing research, treatment, education and awareness of gambling disorder.

Sincerely,

Russell A. Sanna, PhD
Executive Director

NCRG STAFF
Russell A. Sanna, PhD
Executive Director
Christine Reilly
Senior Research Director
Nathan Smith
Program Officer
Ariana Fox
Office Manager

The NCRG is headquartered at 900 Cummings Center, Suite 324-T, Beverly, MA 01915 (978.338.6610)
The 17th annual AGEM/AGA Golf Classic Presented by JCM Global raised $140,000 for the NCRG – a record amount. More than 144 players from across the gaming industry spectrum participated in the tournament on the perfect and legendary greens of Cascata in Boulder City, Nev. Over its history, the event has raised more than $1.45 million for the NCRG.

Since 1996, more than $27 million has been pledged to the NCRG thanks to the generous support of gaming operators and gaming-related manufacturers and businesses. The following companies were contributors to the NCRG in 2015.

**2015 NCRG ANNUAL DONORS**

$300,000+
- Las Vegas Sands Corp.*
- MGM Resorts International*

$100,000 - 199,000
- JCM Global

$50,000 - 99,000
- Boyd Gaming Corporation*
- Caesars Foundation
- Penn National Gaming*

**SPONSOR**

$10,000 - 49,000
- Pinnacle Entertainment*

**INDIVIDUAL DONORS**

Alan Feldman, Kathleen Scanlan

* Denotes multi-year pledge.

Above amounts include pledged gifts and contributions through conference sponsorships.
2015 CONFERENCE SPONSORS

Special thanks to our host sponsor, Las Vegas Sands Corp.

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Thanks also to
Global Gaming Expo
and the
American Gaming Association
for their support of the
NCRG Conference on Gambling and Addiction.
ENSURING THE INTEGRITY OF NCRG-FUNDED RESEARCH

Gaming Industry
The NCRG’s funders — mostly gaming companies and suppliers — make contributions to the NCRG.

National Center for Responsible Gaming
The NCRG keeps a portion of the funds for education and outreach initiatives, while the bulk of the funds are distributed to research projects as directed by the independent Scientific Advisory Board (SAB) and peer-review panels.

SAB and Peer-Review Panels
Researchers interested in obtaining funding submit proposals through the NCRG’s competitive grant-making process. This process is overseen by the SAB, an independent committee of some of the field’s leading experts. A peer-review panel is assembled to evaluate the proposals, based on criteria used by the National Institutes of Health. The Scientific Advisory Board makes final funding decisions.

NCRG Centers of Excellence
Using substantial research grants awarded by the NCRG, the NCRG Centers of Excellence in Gambling Research conduct seminal, long-range research on gambling disorder.

NCRG Project Grants
The NCRG also awards grants to researchers from around the world for individual research projects on gambling disorder.

Peer-reviewed Scientific Journals
After the research has been completed, the investigator submits a report on the project and its findings to independent, peer-reviewed journals. NCRG-funded studies have resulted in the publication of more than 325 articles in such journals. The NCRG board and its funders learn about the research findings after they have been published.
BUILDING THE KNOWLEDGE BASE ON GAMBLING DISORDER: NCRG RESEARCH

2015 NCRG RESEARCH AWARDS

In 2015, the NCRG awarded the following grants in support of research projects designed to understand gambling disorder and test new strategies for the identification and treatment of disordered gambling.

**Adaptation and Feasibility Testing of a Gambling-Specific SBIRT Intervention in the “Real World” Clinical Setting —** Seth Himelhoch, MD, University of Maryland School of Medicine, was awarded $172,500 for a project developed in response to the NCRG’s call for proposals on screening, brief intervention and referral to treatment (SBIRT). This call was grounded in research showing the low rate of treatment-seeking among disordered gamblers and the need for more comprehensive screening among populations already in treatment for other psychiatric disorders. In this project, the Maryland Center of Excellence on Problem Gambling is working with the Maryland State Department of Health and Mental Hygiene’s Behavioral Health Administration to develop a problem gambling-specific SBIRT intervention targeting individuals receiving medical care in general primary care clinics. The investigators will evaluate the feasibility and acceptability of inserting the problem gambling intervention into preexisting substance use SBIRT services being provided in Federally Qualified Health Centers (FQHCs) in the state. In addition, they are conducting a randomized trial using the problem gambling SBIRT intervention to see if it is effective in helping patients reduce their problematic gambling behaviors.

**Consequences of Gambling and Polysubstance Use Behavior Patterns —** Bethany Bray, PhD, Pennsylvania State University, was awarded $34,500 in support of a project using data from the National Longitudinal Survey of Adolescent Health to examine how adolescent behavioral patterns of gambling and polysubstance use are linked to negative consequences in adulthood. Dr. Bray is looking for early potential manifestations of the “syndromal model of addiction” among adolescents and seeking to identify whether and for whom adolescent behavioral patterns, defined by gambling and substance use jointly, lead to a variety of negative consequences in later adulthood. The project is critical to prevention and treatment research because it tests empirically the addiction as syndrome theory and may lead to more effective, targeted prevention and treatment programs.

**Personality Traits, Affective Context and Pathological Gambling: An Experience Sampling Approach —** Donald R. Lynam, PhD, Purdue University, was awarded $172,037 in support of a project that will develop a model for understanding the intersecting factors of affect and impulse control traits on the development of a gambling disorder (GD). The project will focus on a sample of 200 individuals at two different sites (one-third who meet DSM-5 criteria for gambling disorder, one-third with some symptoms of GD, and one-third without GD symptoms). The aim is to develop a process-oriented model of affect and trait-based risk factors that will allow better tailoring and targeting of interventions aimed at at-risk individuals.

**Modifying the Automatic Approach Bias toward Gambling Stimuli in Problem Gamblers: A Novel Intervention for Changing Excessive Gambling Behavior —**
Sherry H. Stewart, PhD, Dalhousie University, was awarded $172,500 to understand the implicit thought patterns that could play a role in the development of a gambling disorder, by exploring whether or not disordered gamblers have an “approach bias” (i.e. the automatic tendency to approach or conduct a risky-behavior rather than avoid it). In the first part of the study, she is testing the validity of the alcohol Approach Avoidance Task for gambling. In the second part of the study, she is testing whether problem gamblers’ automatic action-tendencies to approach gambling can be altered using a cognitive bias modification procedure, and whether this will actually impact gambling behavior.

**Biobehavioral Assessment and Validation of Animal Phenotype of Pathological Gambling** — Martin Zack, PhD, Centre for Addiction and Mental Health (CAMH), was awarded $101,200 in support of a project to develop an animal model that accurately reflects the brain and behavioral profile of disordered gambling in order to test medications to treat people with a gambling disorder. The hypothesis of this research is that cues for reward, actions that yield reward, and uncertainty about reward delivery are critical to inducing disordered gambling behavior. If successful, this project will provide a way for investigators to create an animal model that accurately reflects the brain and behavioral profile of gambling disorder so they can screen medications to treat the specific needs of disordered gamblers.

**Rapid Intermittent Deep Brain Stimulation Biases Behavior in Financial Decision-Making Task** — Shaun R. Patel, PhD, Massachusetts General Hospital, was awarded a travel grant of $1,500 to attend the 2015 conference of the Society of Biological Psychiatry for the purpose of presenting his research on patients undergoing deep brain stimulation while engaged in a financial decision-making task. The study showed that intermittent electrical stimulation could be applied through the implanted deep brain stimulation electrode to bias the decision signal and, ultimately, alter behavior.

**SCIENTIFIC ADVISORY BOARD**

The NCRG’s Scientific Advisory Board is composed of leading scientists in addiction and related fields. The board’s responsibility is to ensure the highest standards in the administration of the NCRG’s competitive research grants program. The volunteer Scientific Advisory Board makes all of the final decisions on grants awarded by the NCRG.

**CHAIR**

Linda B. Cottler, PhD, MPH  
Associate Dean for Research and Planning  
College of Public Health and Health Professions  
Dean’s Professor of Epidemiology  
Chair, Department of Epidemiology  
College of Public Health & Health Professions  
University of Florida

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Harvard University

Gloria Miele, PhD  
Instructor of Psychology  
Columbia University College of Physicians and Surgeons

Wendy Slutske, PhD  
Professor of Psychology  
University of Missouri, Columbia
PEER REVIEW PANEL MEMBERS

To ensure the highest possible standards in the grants program, the NCRG recruits distinguished researchers in the addictions field to evaluate grant proposals. The following individuals served on NCRG peer-review panels in 2015.

Jon E. Grant, JD, MD, MPH  
Professor  
Department of Psychiatry & Behavioral Neuroscience  
The University of Chicago Pritzker School of Medicine

Johannes Haushofer, PhD  
Assistant Professor of Psychology and Public Affairs  
Princeton University

Rani Hoff, PhD, MPH  
Professor of Psychiatry  
Yale University School of Medicine

Scott A. Huettel, PhD  
Hubbard Professor and Chair  
Department of Psychology and Neuroscience  
Duke University

Andrew Kayser, MD, PhD  
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University of California, San Francisco

Debi A. LaPlante, PhD  
Director of Research and Academic Affairs, Division on Addiction  
Assistant Professor of Psychiatry  
Harvard Medical School

Matthew P. Martens, PhD  
Division Executive Director, Professor  
Department of Educational, School & Counseling Psychology  
University of Missouri, Columbia

Clayton Neighbors, PhD  
Professor of Psychology  
University of Houston

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Professor of Psychiatry, Child Study and Neurobiology  
Yale University School of Medicine

Silvia S. Martins, MD, PhD  
Associate Professor  
Department of Epidemiology  
Columbia University Mailman School of Public Health

Gloria Miele, PhD  
Instructor in Psychology  
Columbia University

Lisa M. Najavits, PhD  
Professor of Psychiatry  
Boston University School of Medicine

Craig Nagoshi, PhD  
Associate Professor, Department of Psychology  
University of Texas, Arlington

Katherine M. Nautiyal, PhD  
Assistant Professor of Clinical Neurobiology in Psychiatry  
Columbia University  
Research Scientist, Integrative Neuroscience  
New York State Psychiatric Institute

Steven Schinke, PhD  
D’Elbert and Selma Keenan Professor of Social Work  
Columbia University

Catharine Winstanley, PhD  
Associate Professor, Department of Psychology  
The University of British Columbia, Vancouver Campus

Nancy Wolff, PhD  
Director, Bloustein Center for Survey Research Professor  
EJ Bloustein School of Planning and Public Policy  
Rutgers, The State University of New Jersey

Carolyn Wong, PhD  
Research Associate, Institute for Asian American Studies  
University of Massachusetts, Boston

David Zald, PhD  
Professor of Psychology and Psychiatry  
Vanderbilt University
NCRG-FUNDED PUBLICATIONS RELEASED IN 2015

Publication in influential, competitive journals is the benchmark for scientific excellence. Since 1996, NCRG-funded research has produced more than 325 articles in peer-reviewed journals. The following publications of NCRG-funded studies were released in 2015.

ASSESSMENT AND TREATMENT

NATURE OF GAMBLING DISORDER

IMPULSIVITY AND DECISION MAKING

NEUROBIOLOGY & GENETICS OF GAMBLING DISORDER


**POPULATION AND CROSS CULTURAL STUDIES**


**ROLE OF CO-OCCURRING DISORDERS**


YOUTH AND COLLEGE GAMBLING


Attendees at the 2015 conference explored a wide variety of topics on gambling and addiction: research on 12-step programs, the role of gender in the development of a gambling disorder, new investigations of risky behaviors among adolescents and implementing SBIRT (Screening, Brief Intervention and Referral to Treatment). For the first time, the conference offered two distinct tracks; one for the industry and regulators and another for clinicians, researchers and public health specialists. We were delighted that many participants found new insights and ideas that will enhance their work:

“I work in and run a free clinic that delivers medical and psychological services to a low socioeconomic status community. I plan to incorporate the Brief Biosocial Gambling Screen into our patient packets for patients to fill out at their visits... The conference talks made me realize that we can do so much more with getting the word out about gambling problems, and we can make a difference in a variety of settings.”

“The Addiction Syndrome,’ presented by Dr. Liese was the session from which I derived the most lessons. I wanted to attend the conference to increase my competency in assessing clients for gambling addiction and providing effective interventions and treatment. The reminder that an addiction is an addiction whether it is a drug or a gambling addiction was helpful for me to remember not to silo clients, assessments, interventions and treatment. Also, it was powerful when he shared the recorded clip of a client struggling with a gambling addiction. He was able to demonstrate that a gambling addiction is like any other addiction. This
provided me with a better understanding of gambling addiction. .”

“The Honour of All movie was great! Having the Johnsons there to talk about it was very motivating. It was very interesting to see how the community worked on becoming a recovering community. It was amazing to see the efforts, emotions and sacrifices that went along with it. It showed how they implemented the 12-Step Program, and it all started with the assistance of one person. .”

Patrick Haggerson, Fred Johnson and Irene Johnson concluding their session on “Honour of All: The Story of Alkali Lake,” with traditional music.
The NCRG honored Dr. Luke Clark with the 2015 NCRG Scientific Achievement Award at the NCRG Conference on Gambling and Addiction. Dr. Clark is the inaugural director of the Centre for Gambling Research at the University of British Columbia, Vancouver, BC. His research has carved out a new and important line of study that merges the psychological perspectives on gambling disorder with neuroscience. Dr. Clark’s new research will move beyond simply understanding neurobiological factors of gambling disorder to examining addiction in the context of public health.

The NCRG Conference on Gambling and Addiction annually showcases new research on gambling disorder through the poster session. In 2015, the poster session/welcome reception was sponsored by the Las Vegas Sands Corporation.

A committee of researchers examined 25 posters and selected the following for recognition:

**Outstanding Poster:** “Sex-dependent Modulation of Decision-making in the Rat Gambling Task”; lead author: Polymnia Georgiou, University of Maryland, Baltimore

Polymnia Georgiou accepting the Outstanding Poster Award from Alan Feldman, NCRG chairman

---

**2015 NCRG Scientific Achievement Award Selection Committee**

Robert Ladouceur, PhD
Professor Emeritus, School of Psychology
Laval University

Debi A. LaPlante, PhD
Director of Research and Academic Affairs,
Division on Addiction
Cambridge Health Alliance
Assistant Professor of Psychiatry
Harvard Medical School

Katherine Spilde, PhD, MBA
Chair, Sycuan Institute on Tribal Gaming
Associate Professor
San Diego State University
As part of its commitment to ensuring that gaming regulations and responsible gaming policies are grounded in peer-reviewed research, the NCRG teamed up with the International Association of Gaming Advisors (IAGA) to present a one-day program in conjunction with IAGA’s annual meeting in Vancouver, BC. The participating regulators, attorneys, and industry professionals discussed the latest research on self-exclusion, responsible gaming in new jurisdictions, pre-commitment and what we can learn from “healthy” gambling.

Many thanks to IAGA for cosponsoring this event and to Peter Cohen, The Agenda Group, and Kirsten Clark, IAGA, for their extraordinary help in planning the program.
YEAR-ROUND EDUCATIONAL OPPORTUNITIES
Thanks to the instructors and cosponsors that made the following programs possible.

2015 Webinars

**Screening, Brief Intervention and Referral to Treatment: Research Priority for 2015** – Ken C. Winters, PhD, University of Minnesota Medical School

**Battling Addiction on the Front Lines: Gambling Problems Among Veterans** – Rani Hoff, PhD, Yale University

2015 Treatment Provider Workshops

**Identification and Treatment of Gambling Disorder** – Jon E. Grant, JD, MD, MPH, The University of Chicago, Ohio Partners OhioMHAS and Drug Free Action Alliance

**Using Advances in Addiction Science to Understand, Assess, and Treat Gambling Problems** – Sarah Nelson, PhD, Harvard Medical School and Cambridge Health Alliance, 2015 NAADAC Annual Conference

SCREENING FOR GAMBLING DISORDER - MARCH 10, 2015

The NCRG participated in National Gambling Disorder Screening Day, led by the Division on Addiction at Cambridge Health Alliance, by distributing more than 2,000 magnets imprinted with the 3-question Brief Biosocial Gambling Screen.

### Brief Biosocial Gambling Screen

A “yes” answer to any of the questions means the person is at risk for developing a gambling problem.

1. During the past 12 months, have you become restless, irritable or anxious when trying to stop/cut down on gambling? [YES] [NO]

2. During the past 12 months, have you tried to keep your family or friends from knowing how much you gambled? [YES] [NO]

3. During the past 12 months did you have such financial trouble as a result of your gambling that you had to get help with living expenses from [YES] [NO]

THE NCRG ON SOCIAL MEDIA

In 2015, the NCRG’s website traffic increased nine percent to 45,000 visits and 94,000 page views. The NCRG’s blog, Gambling Disorders 360°, had nearly 9,000 visits and www.CollegeGambling.org had 5,000 site visits. The NCRG also experienced a significant increase in followers on its Twitter and Facebook accounts.
The following Summary of Financial Position and Statements of Activities are from the 2015 audit, conducted by Tate & Tryon.

## FINANCIAL STATEMENTS

**STATEMENTS OF FINANCIAL POSITION**

<table>
<thead>
<tr>
<th></th>
<th>December 31 2015</th>
<th>December 31 2014</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ASSETS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$2,196,060</td>
<td>$2,727,396</td>
</tr>
<tr>
<td>Investments</td>
<td>680,033</td>
<td>693,287</td>
</tr>
<tr>
<td>Accounts receivable</td>
<td>68,114</td>
<td>176,906</td>
</tr>
<tr>
<td>Grants receivable</td>
<td>372,000</td>
<td>1,114,524</td>
</tr>
<tr>
<td>Other assets</td>
<td>11,672</td>
<td>10,220</td>
</tr>
<tr>
<td><strong>Total assets</strong></td>
<td><strong>$3,327,879</strong></td>
<td><strong>$4,722,333</strong></td>
</tr>
<tr>
<td><strong>LIABILITIES AND NET ASSETS</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Liabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$16,957</td>
<td>$196,338</td>
</tr>
<tr>
<td>Grants payable</td>
<td>1,205,193</td>
<td>1,612,349</td>
</tr>
<tr>
<td><strong>Total liabilities</strong></td>
<td><strong>1,222,150</strong></td>
<td><strong>1,808,687</strong></td>
</tr>
<tr>
<td>Net assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unrestricted</td>
<td>1,733,729</td>
<td>1,799,122</td>
</tr>
<tr>
<td>Temporarily restricted</td>
<td>372,000</td>
<td>1,114,524</td>
</tr>
<tr>
<td><strong>Total net assets</strong></td>
<td><strong>2,105,729</strong></td>
<td><strong>2,913,646</strong></td>
</tr>
<tr>
<td><strong>Total liabilities and net assets</strong></td>
<td><strong>$3,327,879</strong></td>
<td><strong>$4,722,333</strong></td>
</tr>
</tbody>
</table>
### STATEMENT OF ACTIVITIES

**YEAR ENDED DECEMBER 31,** 2015 | 2014
--- | ---

#### UNRESTRICTED ACTIVITIES

**Revenue and Support**

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference</td>
<td>$141,414</td>
<td>$198,070</td>
</tr>
<tr>
<td>Golf tournament</td>
<td>140,000</td>
<td>131,000</td>
</tr>
<tr>
<td>Contributions</td>
<td>56,100</td>
<td>181,572</td>
</tr>
<tr>
<td>Investment income</td>
<td>41,009</td>
<td>27,331</td>
</tr>
<tr>
<td>Other income</td>
<td>3,625</td>
<td>1,738</td>
</tr>
<tr>
<td>Hall of Fame</td>
<td>382,148</td>
<td>772,000</td>
</tr>
<tr>
<td>Contributions</td>
<td>757,000</td>
<td>982,000</td>
</tr>
<tr>
<td><strong>Total unrestricted revenue and support</strong></td>
<td>$1,139,148</td>
<td>$1,754,000</td>
</tr>
</tbody>
</table>

**Expense**

**Program services**

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Research grants program</td>
<td>709,693</td>
<td>767,294</td>
</tr>
<tr>
<td>Conference</td>
<td>130,356</td>
<td>162,974</td>
</tr>
<tr>
<td>Education and outreach</td>
<td>27,594</td>
<td>142,863</td>
</tr>
<tr>
<td>Communications</td>
<td>17,896</td>
<td>276,986</td>
</tr>
<tr>
<td><strong>Total program services</strong></td>
<td>885,539</td>
<td>1,350,117</td>
</tr>
</tbody>
</table>

**Supporting services**

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Administrative</td>
<td>303,456</td>
<td>332,800</td>
</tr>
<tr>
<td>Fund raising</td>
<td>-</td>
<td>125,744</td>
</tr>
<tr>
<td><strong>Total supporting services</strong></td>
<td>303,456</td>
<td>458,544</td>
</tr>
<tr>
<td><strong>Total operating expense</strong></td>
<td>1,188,995</td>
<td>1,808,661</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change in unrestricted net assets from operations</td>
<td>(49,847)</td>
<td>(54,661)</td>
</tr>
<tr>
<td>Cancelled grants</td>
<td>46,187</td>
<td>-</td>
</tr>
<tr>
<td>Net (loss) gain on investments</td>
<td>(53,733)</td>
<td>2,971</td>
</tr>
<tr>
<td>Bad debt expense</td>
<td>(8,000)</td>
<td>(257,000)</td>
</tr>
<tr>
<td><strong>Change in unrestricted net assets</strong></td>
<td>(65,393)</td>
<td>(308,690)</td>
</tr>
</tbody>
</table>

#### TEMPORARILY RESTRICTED ACTIVITIES

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Change in discount</td>
<td>14,476</td>
<td>43,649</td>
</tr>
<tr>
<td><strong>Net assets released from restriction</strong></td>
<td>(757,000)</td>
<td>(982,000)</td>
</tr>
<tr>
<td>Change in temporarily restricted net assets</td>
<td>742,524</td>
<td>(938,351)</td>
</tr>
</tbody>
</table>

#### CHANGE IN NET ASSETS

<table>
<thead>
<tr>
<th>Category</th>
<th>2015</th>
<th>2014</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net assets, beginning of year</td>
<td>2,913,646</td>
<td>4,160,687</td>
</tr>
<tr>
<td><strong>Net assets, end of year</strong></td>
<td>2,105,729</td>
<td>2,913,646</td>
</tr>
</tbody>
</table>