



Southern Illinois University System

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June 26, 2020

Members of the Board Academic Matters Committee

Ed Hightower, Chair
Subhash Sharma

Dear Committee Members:

The Academic Matters Committee will meet on Thursday, July 9, 2020, at 12:30 p.m. via Zoom or YouTube. The agenda, minutes from the February 13, 2020 meeting, and electronic copies of the Additions and Deletions, and Centers and Institutes Reports can be viewed through the Board's portal system.

I look forward to seeing you at the meeting.

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Allen". The signature is fluid and cursive, with a long horizontal stroke extending to the right.

Jim Allen
Acting Vice President for Academic Affairs

JSA/pm

Attachment

c: Ed Curtis	Roger Tedrick
Steven Gear	Dan Mahony
J. Phil Gilbert	Austin Lane
Jacob Graham	Randall G. Pembrook
Amy Sholar	Jerry Kruse
John Simmons	Other Interested Parties

Office of the President

Stone Center - Mail Code 6801 • 1400 Douglas Drive • Carbondale, Illinois 62901
Phone: 618/536-3331 • Fax: 618/536-3404

AGENDA

MEETING OF THE SOUTHERN ILLINOIS UNIVERSITY BOARD OF TRUSTEES ACADEMIC MATTERS COMMITTEE

Thursday, July 9, 2020
12:30 p.m.

Virtual Meeting via Zoom/YouTube

1. Announcements
2. Approval of Minutes of the Meeting February 13, 2020
3. Approval of New Programs, Reasonable and Moderate Extensions, Approval of Off-Campus Program Locations, and Academic Program Eliminations and Suspensions, July 1, 2019, through June 30, 2020 (Board Agenda Item H)
4. Informational Report: *Centers & Institutes Report FY2019*
5. Presentation: *SIU School of Medicine's Graduate Medical Education: Residencies and Fellowships*

Presenters: Karen Broquet, MD, MHPE
Associate Dean for Graduate Medical Education

Nana Cudjoe, MD, MPH
PGY 4 Psychiatry Resident Physician

Becky Hoffman, MD, MSPH
Program Director—SIU Alton Family Medicine Program

Taylor Stone, MD
2nd Year Pulmonary & Critical Care Medicine Fellow & graduate of
SIU SOM Internal Medicine Residency Program
6. Other Business

BOARD OF TRUSTEES

SOUTHERN ILLINOIS UNIVERSITY

Minutes of the Academic Matters Committee Meeting

February 13, 2020

The Academic Matters Committee met at 9:06 a.m. on Thursday, February 13, 2020, in the Meridian Ballroom of the Delyte W. Morris University Center at Southern Illinois University Edwardsville. Present were: Ed Hightower, Brione Lockett and Subhash Sharma. Other Board members present were: Ed Curtis, J. Phil Gilbert, Mackenzie Rogers, John Simmons, and Roger Tedrick. Trustee Amy Sholar was absent. Executive Officers present were: Senior Vice President Duane Stucky; Acting Vice President Jim Allen; Interim Chancellor John M. Dunn, SIUC, Chancellor Randall Pembroke, SIUE; and Dean and Provost Jerry Kruse, SIU School of Medicine.

Announcements

Dr. Allen provided the following brief announcements: 1) the Illinois Board of Higher Education has appointed Dr. Ginger Ostro as Executive Director; 2) the President's Office has launched a national search for a new Vice President for Academic Affairs with a pending title change to Vice President for Academic Planning, Innovation and Partnership—upon the Board's approval (February 13, 2020). The Search Screening Committee will be assisted by search firm WittKieffer. The position is hoped to be filled by this summer with Board approval at the July 9, 2020 Board of Trustees' meeting. Upon request of Trustee Hightower, Dr. Allen provided an overview of the duties that the Vice President will have; and 3) President Dan Mahony solicited the names of SIUC and SIUE faculty and staff from the campus chancellors to assist with the SIU System strategic planning through the development of seven working groups—Academic Program Development, Student Success, Diversity and Inclusion, Economic/Community Impact, Employee Satisfaction, Partnerships, and Shared Services.

Approval of the Minutes of the December 5, 2019, Meeting

Motion was made by Trustee Sharma to approve the minutes of the December 5, 2019, meeting. The motion was duly seconded by Student Trustee Lockett and passed by the Committee.

Informational Report: *Athletic Report*

Dr. Allen introduced Athletic Directors Liz Jarnigan (SIUC) and Tim Hall (SIUE) who provided brief highlights from their respective reports.

Trustee Hightower mentioned the financial impact that sports have on an institution. He was particularly interested in the national issues that the NCAA faces and in particular

what challenges they create for SIUC's football and SIUE's basketball programs. With these being the top revenue generating Division I sports and the most costly to operate, he asked the directors to provide the Board with an overview of the challenges they have in staying competitive with the larger schools and how they are addressing the retention of student athletes.

Presentation: Pinocchio by John Davies (excerpts); SIUE and Opera Edwardsville, Opera Outreach

Dr. Allen introduced Dr. Marc Schapman, Professor of Voice in the Department of Music at SIUE, and turned the floor over to him.

Dr. Schapman provided information about their outreach program and collaborative work with organizations in the St. Louis area, such as Opera Edwardsville, St. Louis Art Song, Edwardsville Rotary, public library, and District 7 schools.

In fall 2019, the SIUE Opera and Musical Theatre embarked on an outreach program with Opera Edwardsville, a newly formed artistic organization founded by SIUE alum Chase Hopkins, to perform *Pinocchio* by composer John Davies. The SIUE Meridian Society awarded the music department and Opera Edwardsville funding for them to perform for more than 1500 children in Edwardsville and District 7 schools. They also received funding for the next three years from Edwardsville Rotary which will allow program growth and future collaborations with Opera Edwardsville.

The Department of Music and the College of Arts and Sciences Dean Greg Budzban are collaborating with Dr. Joseph Welch, founder and artistic director of St. Louis Art Song and SIUE Alum, to bring in Grammy award-winner and internationally-renowned composer Libby Larsen to join SIUE in residency. She will work with students on community outreach and culminating a public performance at Abbott Auditorium.

The cast of the opera consisted of the following undergraduate and graduate majors in voice: Stephanie Mossinghoff (Pinocchio), Evan Babel (Gepetto), Xavier Ojeda (Dr. Ducamara), Kristy Saddler (Cat), and Debora Pedigo (Lady in Blue). Dr. Joseph Welch was the accompanist, and Chase Hopkins was the program's stage director.

After the students' performance Trustee Hightower asked how the program was started.

Dr. Schapman responded that it was seven or eight years ago, but it has not been as active due to the lack of allocation to cover the cost of stage production. When SIUE alum Chase Hopkins started Opera Edwardsville, a logical relationship was forged.

In addition to this program, Opera Edwardsville offers a master's class series with Karen Brunssen, a faculty member from Northwestern University and President of the National Association of Teachers of Singing. She taught twice in the fall of 2019 at SIUE at no charge. Part of the future funding from Edwardsville Rotary will go towards the master's class series.

Other Business

Having no further business before it, the Academic Matters Committee adjourned at 9:52 a.m.

JSA/pm

Centers and Institutes

Annual Reporting
Fiscal Year 2019



Southern Illinois University Carbondale
Southern Illinois University Edwardsville



Submitted by the
Office of Academic Affairs to the
Southern Illinois University Board of Trustees
July 2020



Southern Illinois University System
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INTRODUCTION

In keeping with University Guidelines, the following reports from centers and institutes at Southern Illinois University's three largest campuses for FY2019 are provided for the SIU Board of Trustees. It is the fifth annual report on centers and institutes that have been approved by the Illinois Board of Higher Education (IBHE) and/or established by Illinois state statute. These reports will permit better administrative oversight of valuable components of the university system, as reflected in Section 2.4 Academic Affairs: Center and Institutes (<http://siusystem.edu/about/section24.shtml>).

Each center or institute completed and submitted to the campus leadership its annual report using a template developed by the Vice President for Academic Affairs, in consultation with campus and medical school administration. This template was used by all centers/institutes to ensure that reporting was consistent across the system. The annual report includes information about financial and other resources (such as total funds expended during the previous fiscal year, revenues by funding source, and total positions by type of position); intellectual contributions (such as publications, presentations, books, compositions, art exhibits, patents, theses and dissertations); public service contributions (such as community projects and patient care); students trained and graduated; evidence of the center's/institute's support for the institution's mission, priorities, and strategic themes; support for the SIU Board of Trustees' strategic plans and/or statewide priorities and needs; external reputation of the center/institute (such as cited publications, invited presentations, media coverage); and evidence that the center's/institute's product or outcomes achieve stated objectives and that results from evaluations are being used to improve the center's/institute's effectiveness. This annual reporting will clarify the center's/institute's organizational effectiveness.

Initially this report was to cover only those centers and institutes that were IBHE-approved and/or Illinois State Statute-established. Because of their importance, other center-like units were asked to report, such as SIUC's Paul Simon Public Policy Institute and SIUE's Illinois Metro East Small Business Development Center and University Museum. Other centers, institutes, and units are included in this report, while still others may be considered in the future. Each campus will be assessing the criteria for this report as we move forward.

Jim Allen
Acting Vice President for Academic Affairs

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only)

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Advanced Coal and Energy Research Center (ACERC)</u>
3.	Date	<u>March 24, 2020</u>
4.	Director	<u>Tomasz Wiltowski See note Infra</u>
4.1	Telephone	<u>618-536-5521</u>
4.2	E-mail	<u>See note infra</u>
5.	Year Established	<u>1974</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>Office of Vice Chancellor for Research</u>
8.	Type	Activity (check all that apply)
	Instructional	<input type="checkbox"/>
	Research	<input checked="" type="checkbox"/>
	Public Service	<input checked="" type="checkbox"/>

Notes: The Director's position became vacant during the reporting period due to the death of Dr. Tomasz Wiltowski.
Send Inquiries concerning this report to the Office of the Vice Chancellor for Research.

9. Overview

9.1 Description

ACERC is the hub for SIU advanced energy research, collaboration, education and facilities. The center currently focuses on the following activities:

- 1) RESEARCH: maximizing proposal development and project implementation support to faculty and students across campus;
- 2) COLLABORATION: serving as a resource for the campus community and a bridge to government, industry and other academic and research institutions, especially Illinois based organizations;
- 3) FACILITIES: maintaining specialized facilities, and
- 4) OUTREACH: facilitating the improvement of the public's understanding of advanced energy, including special focus on regional energy and environmental topics.

9.2 Mission

- Assist faculty, students and others in the campus research community in engaging in advanced energy-related research and service opportunities, and
- Advocate and initiate activities that advance the university as a leader in interdisciplinary advanced energy research, education and service toward the ultimate benefit of society and the environment.

9.3 Objectives

- 1) Expand advanced energy education and research across campus.
- 2) Facilitate the development of an advanced energy workforce, with special focus on the changing energy production and utilization patterns of the State of Illinois, especially southern Illinois.
- 3) Increase return on investments in advanced energy activities
- 4) Establish Illinois Energy Development Park as the regional test bed for advanced coal and energy technologies.

10. Advisory Board

10.1 Advisory Board - Membership

John S. Mead, Director Emeritus
Norm Peterson, Director, Government Relations, Argonne National Laboratory
Thomas A. Sarkus, Division Director, Major Projects Division, U.S. Department of Energy
Don Stevenson, Gas Technology Institute, Managing Director, Energy Supply & Conversion
Kevin O'Brien, Director, Illinois Sustainable Technology Center

10.2 Number of Meetings (In This Year) 1

11. Annual Performance

11.1 Performance Measures*

Measure	Target for Year	Results in Year
1. Faculty grants awarded	Up to 5	2
2. Graduate Assistant positions	1-2	0
3. Scholarships awarded	Up to 10	7
4. Student grants awarded	Up to 5	3
5. Community outreach events	2	3
6. Visiting researchers	0	0
7. Publications	0	0

*Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

- New Energy Specializations and Minors started in Fall 2018; 30 students enrolled
- Supported 11 GA positions
- Awarded 1 Energy Boost Scholar and 2 Green Office Sleuths (co-op type student research stipends)
- Supported continuing scholarships awarded in previous years (2), awarded 5 new scholarships for the undergraduate energy engineering minor, and 2 new awards for the coal country undergraduate scholarship
- Awarded 2 Faculty Seed Grants (approximately \$50,000 each)
- Saluki Energy Focus Group was established; numerous meetings were held with representatives from across campus departments and students, and 3 events were arranged, serving approximately 100 attendees
- Received approval from the Clean Coal Review Board to renew and extend the Energy Boost program.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

ACERC established and maintains programs as per the Energy Boost grant proposal, and faculty, staff, students and community members benefit from these programs as is evidenced by the scholarships, grants, and graduate assistantships awarded, as well as the hundreds of community members served.

11.4 Evidence of Support for Center/Institute Objectives

- ACERC supported students with scholarships and grants
- ACERC boosted faculty research towards large grants e.g. NSF via seed grants

RESOURCES: (Advanced Coal and Energy Research Center)

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues:					
State Appropriations	225,315	274,541	335,441	343,173	386,168
Income Funds	184,059	148,698	152,439	126,525	27,903
Grants*	3,003,443	3,460,940	4,163,608	4,678,827	239,941
Total Revenues	3,412,817	3,884,179	4,651,488	5,148,525	654,012
Expenditures: <i>(Sources: Combined Grants and State Accounts)</i>					
Salaries: Staff/Faculty	405,427	410,301	457,578	524,627	400,808
Graduate Assistant Support	59,050	104,507	96,861	51,214	44,958
Student Worker Support <i>(Sources: State and FWS Matching)</i>	8,123	6,722	7,982		9,006
Travel	218	3,839	5,770	15,030	4,362
Commodities	14,253	16,196	28,659	4,599	3,430
Equipment	388	275	961	1,117	
Contractual Services	394,213	111,075	151,469	164,917	46,585
Student Research Awards and Scholarships	11,000	7,500	9,000	0	0
Telecommunication Services	8,255	17,006	13,447	14,266	7,949
Fringe Benefits	107,413	78,638	96,369	112,054	23,449
Facilities and Administrative	71,870	45,973	56,366	49,966	12,860
Total Expenditures	1,080,241	802,027	924,461	947,791	551,407
Revenue Minus Expenditures	2,332,576	3,082,152	3,727,027	4,210,734	100,604

Staffing <i>(Full Time Equivalent)</i>	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	.083	.083	2	2	1
Staff	6.3	7.8	7	12	9
Total Staffing	6.383	7.883	9	14	10

*Note: The manner in which the university reports this line shows the annual balance of grant funds awarded to ACERC in FY2015 for expenditure over a multi-year period.

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University School of Medicine
2.	Center/Institute	SIU Center for Alzheimer's Disease and Related Disorders (CADRD), including the Parkinson Disease Center (PDC)
3.	Date	1/26/20
4.	Director	Tom Ala, MD, Interim Director
	4.1 Telephone	217-545-7197
	4.2 E-mail	tala@siumed.edu
5.	Year Established	Academic Year 1987
6.	Illinois State Statute (if pertinent)	Public Act 90-0404
7.	Reporting Unit	Southern Illinois University School of Medicine
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The SIU Center for Alzheimer's Disease and Related Disorders (CADRD) was established as a Regional Alzheimer's Disease Assistance Center by the State of Illinois, pursuant to Public Act 90-0404 beginning February 1, 1987. CADRD is dedicated to assisting patients and families who may be affected by Alzheimer's disease and related conditions through patient care, education, research, and service to the community. The Parkinson Disease Center (PDC) was established by the Illinois state government to address the needs of Parkinson disease patients in the region. CADRD and the PDC are integrated into the SIU Neuroscience Institute (NSI) and are incorporated into this report.

9.2 Mission

To be a resource for the citizens of central and downstate Illinois for medical treatment, education, and research related to dementing diseases.

9.3 Objectives

As defined by the State of Illinois Public Act 90-0404, which established the SIU School of Medicine program as a Regional Alzheimer's Disease Assistance Center, the center is expected to provide the following:

1. Comprehensive diagnosis and treatment facilities and services which have (i) professional medical staff specially-trained in geriatric medicine, neurology, psychiatry and pharmacology, and the detection, diagnosis and treatment of Alzheimer's disease and related disorders, (ii) sufficient support staff who are trained as caregivers to victims of Alzheimer's disease and related disorders, (iii) appropriate and adequate equipment necessary for diagnosis and treatment, (iv) transportation services necessary for outreach to the service area defined by the Illinois Department of Public Health and for assuring access of patients to available services, (v) and such other support services, staff and equipment as may be required;
2. Consultation and referral services for victims and their families to ensure informed consent to treatment and to assist them in obtaining necessary assistance and support services through primary Alzheimer's providers and various private and public agencies that may otherwise be available to provide services under this Act;
3. Research programs and facilities to assist faculty and students in discovering the cause of and the diagnosis, cure and treatment for Alzheimer's disease and related disorders;
4. Training, consultation and continuing education for caregivers, including families of those who are affected by Alzheimer's disease and related disorders;
5. Centralized data collection, processing and storage that will serve as a clearinghouse of information to assist victims and families and Alzheimer's Disease Assistance Center Resources, and to facilitate research; and
6. Programs of scientific and medical research in relation to Alzheimer's disease and related disorders that are designed and conducted in a manner that may enable such centers to qualify for Federal financial participation in the cost of such programs.

10. Advisory Board

10.1 Advisory Board - Membership

SIU Primary Provider Advisory Board: The SIU Primary Provider Advisory Board is CADRD's advisory board. This board consists of the coordinators of each of the Alzheimer Center's Primary Provider sites approved by the Illinois Department of Public Health.

SIU Primary Provider Advisory Board members in FY2019 were:

- Carolyn Wilkening, Alton Memorial Hospital, Alton;
- Courtney McFarlin, Memory Care Center of St. Anthony's Hospital, Alton;
- Donna Heierman, Memorial Hospital, Belleville;
- Dawn Kleber, St. Joseph's Hospital, Breese;
- Scott Arbaugh, Northwest Psychiatric, Breese;
- Susan Grace, SIU Family Medicine Center, Carbondale;
- Kathryn Rhoads, Circle of Friends Adult Day Center, Champaign;
- Jenny Anderson, Prairieview Lutheran Home, Danforth;
- Mary Crisler, St. Mary's Hospital, Decatur;
- Kim White, SIU School of Nursing, Edwardsville/East St. Louis;
- Christy Brown, Heartland Human Services, Effingham;
- Debbie Artis, Clay County Hospital – Senior Renewal, Flora;
- Gloria Koch, Cottage Neuroscience, Galesburg;
- Connie Duncan, Family Counseling Center, Golconda/Vienna/Elizabethtown;
- Lynn Sellers, Montgomery County Health Department, Hillsboro;
- Becky Kirk, Jersey Community Hospital, Jerseyville;
- Diane Tate, McDonough District Hospital, Macomb;
- Kay McDade, Sarah Bush Lincoln Health Center, Mattoon;
- Dennis Duke, Robert Young Center for Community Mental Health, Moline;
- Michelle Brown, Pinecrest Community, Mount Morris;
- Valerie Duff, St. Mary's Good Samaritan Inc., Mount Vernon/Centralia;
- Sandy Burgener, Community Resource and Counseling Center, Paxton;
- Jackie Bowers, OSF Institute of Physical Medicine and Rehabilitation, Peoria;
- Amy Eppel, Evenglow Inn, Pontiac;
- Ann Jirmasek, SIU School of Medicine Memory and Aging Clinic, Springfield.

At this time, there are vacancies from the following sites:

- FHN, Freeport;
- HSHS Holy Family Hospital, Greenville;
- Passavant Hospital, Jacksonville;
- Hamilton District Hospital, McLeansboro
- Genesis Health Group, Moline;
- OSF St. Francis, Peoria;
- OSF Illinois Neuroscience Institute, Rockford;
- Canterbury Ridge Assisted Living, Urbana.

10.2 Number of Meetings (In This Year) Two, 11/2/2018 and 4/23-24, 2019.

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Evaluations of new patients (Springfield site)	N/A	843
2. Evaluations of new patients (network)	N/A	356
3. Follow-up patient visits (Springfield site)	N/A	3166
4. Follow-up patient visits (network)	N/A	564
5. Educational programs (Springfield providers) – Number of Programs	N/A	205
6. Educational programs (Springfield providers) - Attendance	N/A	5,564
7. Educational programs (Primary Provider sites) – Number of Programs	N/A	81
8. Educational programs (Primary Provider sites) - Attendance	N/A	2,060
9. Clinical Trial Studies – Number of studies per IRB	N/A	1116
10. Research – Number of publications & presentations	N/A	3116
11. Number of brain autopsies	N/A	8

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, and public service activities.

11.2 Major Accomplishments (In This Year)

Major accomplishments of the SIU Center for Alzheimer's Disease and Related Disorders in FY2019 include: 1) Evaluation of new patients and continued follow-up with existing patients through the CADRD Springfield site. The productivity of the statewide Primary Provider network sites, however, was significantly reduced because of the loss of State of Illinois funding for CADRD. The funds were restored for FY 2019 and the network rebuilding has begun; 2) Continuation of community education and outreach programs such as the Art Express! and Music and Memory programs. Thanks to a grant from the Illinois Department on Aging from the Administration for Community Living, CADRD was able to expand community education and outreach programs in Springfield and through ten of the Primary Provider sites by offering five evidence-based programs for persons with dementia who are still living in the community setting and their family caregivers. The local educational programs of CADRD and the statewide Primary Provider network sites was continued due to the restoration of the State funding; 3) Participation as a residency rotation site for the Neurology, Internal Medicine, Psychiatry, and Family and Community Medicine departments in the center's Memory Disorder Clinic; 4) Participation in sixteen clinical studies into the diagnosis and treatment of Alzheimer's disease, including seven investigator-initiated studies and nine multi-center clinical trials; 5) Dr. Erin Hascup was awarded two NIH R01 grants (one started 7/15/18, the other started 9/30/18). 6) Submission of several research papers published by the CADRD's basic science and clinical faculty; 7) Participation in the development of the new SIU Neuroscience Institute, which includes CADRD. 8) As a state designated Alzheimer's Center, CADRD completed an eight (8) year formal program review as required by the Illinois Higher Board of Education (IBHE). The results were analyzed and are being implemented. For example, the CADRD successfully completed a national search for a new Director. Other strategic initiative and priorities are being codified in early 2020 which will provide a guide to program development and priority setting.

CARDR is required to report annually on its accomplishments to the Illinois Department of Public Health's Alzheimer's Disease Advisory Committee. This committee provides oversight to the Regional Alzheimer's Centers under PA 90-0404. CARDR submitted its report to IDPH for FY 2019. The Parkinson Disease Center (PDC) has continued to provide clinical care to patients and to sponsor an annual community education program. The PDC has been revitalized with

funding being restored and with the advent of a fellowship trained movement disorder neurologist joining our practice in FY 2020.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The Center for Alzheimer's Disease and Related Disorders advances several priorities of the State of Illinois, Southern Illinois University, and SIU School of Medicine. As noted, CADRD was established by Public Act 90-0404 as a state-designed Regional Alzheimer's Disease Assistance Center. CADRD has been successful in this role, as evidenced by its continued designation by the State of Illinois as a regional center. The center successfully completed a full program review in 2018-2019 as required by the Illinois Board of Higher Education; this is further evidence that CADRD is meeting the state's expectations for it. The center also supports the Illinois Public Agenda's goal for use of university educational, research, and innovation assets to advance the state's and region's economy. This is evident in CADRD's positive impact on patient care and research.

CARDR also advances goals of the university and the medical school, such as those associated with community outreach, public/private partnerships, and research. The center has been invited to participate in many local, regional, and state programs sponsored by the Alzheimer's Association, the Alzheimer's Disease Advisory Committee for the Illinois Department of Public Health, and the Illinois Cognitive Resources Network. The center has also collaborated with researchers in other departments both in Springfield and in Carbondale, as well as those in the other two state-designated Regional Alzheimer's Disease Assistance Centers in Chicago, to assist the Illinois Department on Aging in obtaining a Community Living grant. These activities directly support the SIU Board of Trustee's priorities for community partnerships, SIU Carbondale's priority for research and innovation, and SIU School of Medicine's goals for research and professional engagement.

CARDR physicians and other health professional staff provide essential patient care for Alzheimer's patients in the center's Springfield clinics as well as extend their expertise as consulting physicians/professionals throughout the statewide SIU Primary Provider network. As a required component of their educational programs, SIU Neurology, Internal Medicine, Psychiatry, and Family and Community Medicine residents all have required rotations through the center's Memory Disorder Clinic to learn the clinical aspects of Alzheimer's disease, as do SIU medical students and Physician Assistant program students. These activities support medical school and university goals for patient care and workforce development.

11.4 Evidence of Support for Center/Institute Objectives

The Center for Alzheimer's Disease and Related Disorders directly advanced the center's objectives during FY2019. As noted in 11.1 above, patient care, consultation, and referral services were provided in over 4,000 patient visits in CADRD's Springfield site and over 900 additional patient visits in the SIU Primary Provider network sites. Those visits were associated with over 1,800 individual patients in the Springfield CADRD clinic and over 700 individual patients in the network sites. In addition, a major function of the center has been its development and maintenance of its state-mandated Primary Provider Program, which comprised 32 sites in FY2019. These activities support the patient care objectives (Objectives 1 and 2) above. Basic, clinical, and increasingly population health research projects were advanced in FY2019, and efforts to increase them continued in support of the research objectives (Objectives 3 and 6). There were 286 educational programs for caregivers and health care providers with attendance of 7624 in FY2019, in support of CADRD's community educational objective (Objective 4). The center has also developed and maintains three databases of patient data which are used to facilitate research. This supports the centralized data collection objective (Objective 5). Collectively, these activities provide strong evidence that

the Center for Alzheimer's Disease and Related Disorders supported its center objectives in FY2019.

11.5 Evidence of Organizational Effectiveness

The strongest evidence of organizational effectiveness is that already presented in the preceding sections. CADRD was favorably reviewed in its most recent program review, receiving particularly high marks for its SIU Primary Provider network and outreach activities. It should be noted, however, that the loss of State of Illinois funding severely curtailed the overall program in FY 2018, particularly the Primary Provider network. As funding was resumed as of July 1, 2018 at its previous level, the program continued rebuilding throughout FY 2019. At present, the center continues to be recognized as a leader in the clinical, educational, and research aspects of Alzheimer's disease in Illinois. CADRD faculty and staff members actively participate in regional, state, and national conferences and symposia to present findings from their research, clinical and outreach programs. As discussed above, CADRD is meeting its organizational objectives. With the resumption of its funding CADRD is well positioned for success in the future.

12. Institutional Assessment

12.1	Date of Last Review	<u>2018-2019</u>
12.2	Decision at Last Review	<u> X </u> Center/Institute in Good Standing <u> </u> Center/Institute Flagged for Priority Review <u> </u> Center/Institute Suspended
12.3	Explanation	<u>N/A</u>

RESOURCES: Center for Alzheimer's Disease and Related Disorders

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	\$1,391,500	\$0	\$0	\$0	\$0
Income Fund		0	0	0	0
Grants and Contracts	\$1,950,135	1,032,995	622,470	247,615	241,521
State Support via Hospital Contracts ¹		0	0	0	122,073
Transfers from SOM ²		146,058	61,055	331,356	1,177,255
Other Revenues	\$31,682	43,454	25,424	37,531	32,910
Total Revenues	\$3,373,317	\$1,222,507	\$708,949	\$616,502	\$1,573,759
Expenditures*					
Salaries	\$874,520	\$246,217	\$222,029	\$297,124	\$1,104,046
Fringe Benefits	\$166,986	58,900	36,325	14,090	8,854
Equipment	\$109,812	0	5,933	0	24,095
Commodities	\$187,612	49,569	6,325	27,178	46,973
Contractual Services ³	\$755,859	587,611	158,599	154,717	270,579
Other Expenses	\$472,389	444,049	62,544	23,128	119,212
Total Expenditures	\$2,567,178	\$1,386,346	491,755	\$516,237	\$1,573,759
Revenue Minus Expenditures	\$806,139	-\$163,839	\$217,194	\$100,265	\$0

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

1. State Support via Hospital Contracts refers to funds received from the State of Illinois for support of the Center for Alzheimer's Disease and Related Disorders. Changes to the state's Medicaid hospital formula reduced that funding for FY2014 and effectively eliminated it in subsequent years.
2. Transfers from SOM includes fund transfers from the SIU School of Medicine's reserve or general funds to support the CADRD.
3. Contractual Services are primarily funds to support the Memory and Aging Provider Network, which includes 33 separate sites supporting a 93-county area. Supports information referrals for patients diagnosed with Alzheimer's disease at one of the network sites. Data from these patient encounters are subsequently included in the CADRD's data registry for education, clinical care, and research purposes.

Staffing (Full Time Equivalent)¹	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	4.29	1.00	1.00	1.00	3.64
Staff	10.67	6.56	6.56	6.56	17.52
Total Staffing	14.96	7.56	7.56	7.56	21.16

1. Staffing (FTE) includes FTEs of those faculty and staff receiving direct salary support from the CADRD.

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	SIU Carbondale						
2.	Center/Institute	Center for Archaeological Investigations (CAI)						
3.	Date	3/11/2020						
4.	Director	Dr. Mark Wagner						
4.1	Telephone	618-453-5055						
4.2	E-mail	mjwagner@siu.edu						
5.	Year Established	1978						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	College of Liberal Arts						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Instructional</td> <td style="text-align: center; padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;">Research</td> <td style="text-align: center; padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;">Public Service</td> <td style="text-align: center; padding: 2px;">X</td> </tr> </table>	Instructional	X	Research	X	Public Service	X
Instructional	X							
Research	X							
Public Service	X							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Center for Archaeological Investigations (CAI) is a research unit founded in 1978 within the College of Liberal Arts. The CAI is historically linked to the SIUC Department of Anthropology in a number of ways but has always been administratively separate. The academic mission of the CAI is bolstered by our close ties to the Department of Anthropology where the CAI Director is a faculty member teaching courses in cultural resource management (CRM) and applied archaeology. CAI archaeological staff, two of whom are state supported and three who are funded through external grants, are engaged in external grant acquisition, student education, curation of archaeological collections, and field and laboratory research for state, federal, and private agencies.

9.2 Mission

The CAI has five missions as identified in our last (2015) self-study report. These are: (1) Student education. The CAI operates a large external grant-funded archaeological research program that enables us to provide experiential learning and employment opportunities for SIUC students. As part of this mission, we seek funds from grant-making agencies that enable us to provide financial support for students in applied positions as GAs, extra help, and other positions conducting field and laboratory archaeological research. (2) Curation. The CAI maintains a world-class curation facility where we curate archaeological collections for government agencies and Native American groups as well as provide SIUC students with training in archeological curation. We currently curate approximately 9,100 standard letter-size archival storage boxes of artifacts and non-cultural materials and more than 850 linear ft. of associated documentation, primarily from archaeological sites located in the Midwestern and Southwestern United States and some from Micronesia. These collection, including human remains, are curated in compliance with federal regulations 36 CFR Part 79 (Curation of Federally-Owned and Administered Archaeological Collections) and the Native American Graves Protection and Repatriation Act (NAGPRA); (3-4) to conduct archaeological and other research within an applied or cultural resource management studies (CRM) framework and publish the results of such research in peer reviewed forums. The CAI has been very successful in obtaining external grants from federal, state, and other agencies, receiving over 3 million dollars in external grants between 2007-2019; (5) Public outreach. To better serve the local community, CAI staff are actively involved in educational outreach throughout the region in the form of public talks, serving on local and national historic preservation boards, and leading public tours of archaeological sites.

9.3 Objectives

The current (2019-2020) primary objective of the CAI is continued expansion of our external grant program to provide additional financial and educational support for undergraduate and graduate students form of applied or hands-on training to help prepare students for careers as professional archaeologists with private, state, and federal agencies after graduation. The acquisition of externally funded grants to provide experiential training opportunities and financial support for students is especially critical in an era of decreasing state support for higher education. This last year we expanded our external grant program by adding the Daniel Boone National Forest in Kentucky as one of our partners. We also applied for a National Battlefield Preservation grant with the National Park Service which, if awarded, will involve a remote sensing (ground penetrating radar and gradiometric) survey of a Civil War fortification (Fort Henry) in Kentucky that will raise the national profile of both the CAI and SIUC.

10. Advisory Board

10.1 Advisory Board - Membership

Our advisory board is lapsed due to retirements. We are currently in the process of reconstituting the board.

10.2 Number of Meetings (In This Year) _____

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. External grants	5	11
2. Intellectual & Professional Contributions	30	56
4. UG student support	2	9
5. Graduate student support	5	5

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

CAI accomplishments for 2018-2019 included acquiring \$275,602 in new external. With our continuing grants from previous years, the CAI had an annual grant total of \$673,301 for 2018-2019. These grants allowed us to hire undergraduate and graduate students as UGAs, GAs, extra help and other positions that provided them with experiential learning opportunities beyond what they receive in the classroom. CAI

faculty and staff also presented research papers at state, regional, and national meetings; authored book chapters; and wrote articles and presented lectures to the general public to increase SIUs positive image in the region. All CAI AP staff are Board Members of local and/or regional archaeological institutions. The CAIs curation facility staff are in the process of (1) rehabilitating and patriating archaeological materials to the Hopi Tribe and Navajo Nation, (2) searching old university collections that the CAI inherited from the University Museum or retired faculty members for human skeletal remains as required by under the Native American Graves Protection and Repatriation Act and co-curated a large exhibit at the University Museum.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The CAI provides support for goals regarding student success outlined in the 2025 SIUC strategic vision plan. Specifically, the CAI provides students with “the opportunity to engage in research, creative activity and service learning” as presented in the plan by providing students with experiential learning opportunities through our external grant program to help prepare them for careers after graduation. The CAI also “encourages mentoring at every level” including “mentoring of undergraduate students by graduate students, and mentoring of all students by faculty and staff. SIUC students work with CAI faculty and staff on a daily basis in a mentoring relationship as GAs, UGAs, work study, extra help, and interns to acquire skills in GIS, historical research, artifact analysis, and operation of state of the art ground penetrating radar (GPS) and gradiometric remote sensing units. The CAI Director also works directly with undergraduates in conducting research as part of the SIUC REACH program.

11.4 Evidence of Support for Center/Institute Objectives

Please see sections 11.1, 11.2 and attached spreadsheet that provide information on our success in meeting our center objectives, specifically the acquisition of external grants to support CAI staff as well as undergraduate and graduate students through student work, extra help, and UA and GA assistantships.

11.5 Evidence of Organizational Effectiveness

CAI organizational effectiveness is based on our demonstrated ability to acquire external research grants from a variety of private industry, state, and federal partners that we use to support three full-time grant funded staff as well as undergraduate and graduate students in a variety of research related positions that enhance their potential to obtain employment after

graduation. CAI staff are currently working on external grant projects in four states (Illinois, Indiana, Missouri, and Arizona) and will be working within Kentucky this coming year. This continued expansion of our external grant program provides a stable footing for us to support our academic professional staff and students in an era of diminished state funding to support such positions.

12. Institutional Assessment

12.1	Date of Last Review	<u>2015</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) <hr/>

RESOURCES: (Center for Archaeological Investigations)

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
<i>Revenues</i>					
State Appropriations	140233	124242	88414	172861	220283
Starting Grant Balance	397699	308026	151426	208332	262881
New Grants and Contracts	275602	423892	405610	262279	319050
Annual Grant Total	673301	721918	557036	471011	581931
Total Revenues	813534	856160	645450	643872	801333
<i>Expenditures*</i>					
Grant Funded Salaries	462316	161366	118258	166925	179773
Grant Funded OTS	90334	162853	130752	152660	120751
State Funded Salaries	132212	117660	82271	158932	197419
State Funded OTS	8021	6582	6143	13929	22864
Total Expenditures	692883	448461	337424	492446	520797
Revenue Minus Expenditures	122651	407699	308026	151336	280536

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	1	1	1	1	1
Staff	4	4	4	2	2
Total Staffing	5	5	5	3	3

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Carbondale						
2.	Center/Institute	Center for English as a Second Language (CESL)						
3.	Date	March 25, 2020						
4.	Director	William Hellriegel						
4.1	Telephone	618-453-6538						
4.2	E-mail	william.hellriegel@siu.edu						
5.	Year Established	1966						
6.	Illinois State Statute (if pertinent)	NA						
7.	Reporting Unit	College of Liberal Arts						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding: 2px;">Instructional</td> <td style="border: 1px solid black; text-align: center; width: 30%; padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;">Research</td> <td style="border: 1px solid black; text-align: center; padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;">Public Service</td> <td style="border: 1px solid black; text-align: center; padding: 2px;"> </td> </tr> </table>	Instructional	X	Research		Public Service	
Instructional	X							
Research								
Public Service								

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

CESL offers intensive English instruction to adults with a focus on preparation for success in university degree programs, principally at SIU. CESL is self-supporting and, in addition to classes, provides social-cultural activities, student advising, and specially-designed programs for foreign partner institutions and governments.

9.2 Mission

The Center for English as a Second Language (CESL) serves international students enrolled in CESL or in Southern Illinois University. Our primary mission is to provide the highest quality English language program and curriculum, delivered by professionals in the field of ESL; thereby also increasing the number of students who end up pursuing degrees at SIU. 80% of CESL students who finish our program move on to SIU degree programs.

9.3 Objectives

- *provide high quality English instruction for students to meet educational, professional, and/or personal goals;
- *foster global citizenship by helping students acquire a better understanding of both U.S. academic and social culture as well as their own and other cultures;
- *Maintain extensive student services;
- *provide effective teacher training and mentoring of CESL teaching assistants;
- *encourage professional development in TESOL and related fields in order to contribute to and further knowledge about the field;
- *provide advanced linguistic, cultural and pedagogical training for international graduate assistants;
- *promote international awareness within the SIU community and the region;
- *advance the SIU reputation as an international and multicultural community;
- and *establish and maintain relationships abroad in order to promote CESL and SIU internationally.

10. Advisory Board

10.1 Advisory Board - Membership

CESL Advisory Board. Current membership includes: William Hellriegel, CESL Director; Lilia Angel-Post, CESL Interim Assistant Director; Kathryn Mutchnick, CESL NTT Instructor; Stacie

Lawley, CESL NTT Instructor; Colin Robinson, CESL NTT Instructor; and Susan McFalls, CESL NTT Instructor.

10.2 Number of Meetings (In This Year) 4

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
<p>1. Programming: Start offering new programs for community engagement and U.S. culture immersion; attract students for these programs, both from established partner institutions and from new sources. These measures were necessary to counterbalance declining enrollments in 8-week intensive.</p>	<p>Initiate a recurring program for Kyoto University of Foreign Studies (KUFS, Japan) and also for an additional foreign institution.</p>	<p>No iterations occurred in FY19, but plans were finalized in FY19 for two KUFS programs and one program from a new partner, Soka University (Japan,), one to run in the first half of FY20 and two more to run in the second half of FY20.</p>
<p>2. Budget: Bring overall costs into line with revenues; while also making every effort to increase income.</p>	<p>Reduce NTT staffing by two (from 6 to 5 for FY19 and from 5 to 4 for FY20) and graduate assistant staffing by 1 FTE (reduction of 2 50% assistants); These staff adjustments were planned due to enrollment declines that had occurred first by the start of FY19 and again by mid-FY20. Enrollments</p>	<p>NTTS were reduced by one FTE at each of two points (start of FY19, and again at start of FY20), corresponding to the enrollment declines described; and GAs were also reduced by 1 FTE by mid-FY20, for the same reasons. By mid-FY20, costs still exceeded revenues, but</p>

Measure	Target for Year	Results in Year
	<p>continued at the same level through the latter half of FY19 and the first half of FY20, as they had been at the midpoint of FY19.</p> <p>Offer targeted discounts to students from underrepresented countries in order to increase enrollments in 8-week intensive program. Also, run a series of social media ads aimed at target markets, often in local languages, seen as having potential.</p>	<p>only by a small amount compared to what would have been the case had no reductions occurred.</p> <p>Enrollments overall throughout the latter half of FY19 and the first half of FY20 continued stayed the same as they had been at the end of calendar year 2018, but, overall, they were somewhat lower throughout calendar year 2019 than they had been throughout calendar year 2018. Additional individual students from diverse sources increased, as did applications from target markets, in response to effective ads; however, only a few new enrollments resulted.</p>
3.	<p>Recruitment and enrollment (mainly a continuation of 2018 efforts):</p> <p>1) Maintain individual student enrollments in environment of declining enrollments for all programs via targeted online advertising.</p>	<p>Maintain enrolled FTEs in 8-week intensive at 70 per term, which had been the level that obtained by the start of FY19;</p> <p>We succeeded in maintaining enrollments at 70 during FY19, due to large enrollments from Panama.</p>

Measure		Target for Year	Results in Year
	<p>2) Enhance relationships with Japanese partner universities, thus increasing numbers of students they send to CESL.</p> <p>3) Continue strong relationship with Saudi Arabian Cultural Mission and Saudia Airlines, thereby securing a continuous flow of Saudi students needing to study in CESL before going on to degree programs in SIU Aviation.</p> <p>4) Maintain and grow relationship with Panamanian Ministry of Education, producing a continuous, and hopefully growing, flow of students.</p> <p>5) Diversify student body so that we are not so heavily Saudi.</p> <p>6) Minimize travel costs associated with recruitment to only those trips that seem likely to produce new enrollments.</p>	<p>Increase 8-week intensive enrollment from Reitaku University from 5 to 10.</p> <p>Continue to enroll per year 15-25 Saudis going on to aviation degrees at SIU.</p> <p>Continue to offer at least two teacher training programs to the Panamanian government every year.</p> <p>Decrease percentage of Saudi students in overall CESL student body from 67% to 25%, while increasing other nationalities.</p> <p>Bring yearly staff travel costs to under \$20K.</p>	<p>Reitaku University enrollments increased slightly not because each cohort became larger but because students started to stay longer, many for an entire year rather than the initially scheduled 4 months.</p> <p>We were unable to recruit another group of Saudi aviation students since the Saudi government changed the program and SIU aviation programs were impacted.</p> <p>These things became apparent during the latter half of FY19.</p> <p>We succeeded in offering two Panamanian teacher training programs during the latter half of FY19.</p> <p>The percentage of Saudi students in the CESL 8-week intensive decrease to under 50%.</p>
4.	<p>Curriculum: Review and revise CESL's curriculum as necessary in order to make it coherent, complete, effective, and systematic. Create an effective solution for students who have completed CESL's curriculum but have not yet attained adequate TOEFL scores for admission to SIU degree programs.</p>	<p>Meet the various requirements in the area of curriculum set by CESL's accrediting agency – Commission on</p>	<p>In late FY19, after submitting documentation for a 5-year comprehensive review of its services and</p>

Measure	Target for Year	Results in Year
	<p>English Language Accreditation (CEA). Design and implement programming for CESL graduates who have not yet attained adequate TOEFL scores for entry into SIU degree programs.</p>	<p>activities, including curriculum, CESL received feedback from CEA indicating a number of areas for improvement and clarification in the area of curriculum. CESL, in early FY20, made substantial progress in creating the structure and detail required to meet CEA standards. It will complete this process by the end of FY20, submitting its completed work by June 1, 2020.</p>
5.		<p>CESL designed by the end of FY19, and is implementing in mid-FY20, a programming plan for students who have completed CESL's curriculum but have not yet attained adequate TOEFL scores for admission to SIU degree programs. This programming includes 15 hours per week (75% time) of TOEFL preparation course work with an additional 5 hour class from</p>

Measure	Target for Year	Results in Year
		CESL's existing 8-week curriculum chosen by the student in each case on the basis of perceived need.

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

CESL's most important accomplishment in FY19 was the creation of new programs: community engagement (3 weeks) and U.S. culture immersion (4 weeks). As mentioned above, these programs were fully designed and finalized in FY19 and the initial run for the community engagement program was at the start of FY20.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

CESL's fundamental function of recruiting tertiary-level students who then (80%) matriculate to SIU for full-time degree study and then also succeed, things which CESL still does successfully, is central to the University's mission to internationalize and to attract as many students as possible from diverse backgrounds.

11.4 Evidence of Support for Center/Institute Objectives

By employing a number teaching assistants, CESL has supported the CoLA Linguistics Department's efforts to give their graduate students teaching experience under the guidance of experienced CESL instructors. It has likewise also supported the Department of Curriculum and Instruction in the College of Education and Human Services. CESL employed in FY19, and continues to employ in FY20, approximately 3.5 graduate assistant FTEs.

11.5 Evidence of Organizational Effectiveness

CESL graduates students who are fully prepared for success in SIU undergraduate and graduate programs. This fact is evidenced by the success of students who have gone on to those programs. Also, in working with other tertiary institutions and governmental entities in bringing non-degree students to CESL and to SIU for varying periods of time, we enhance the

University's image and reputation and we make it more likely that at least some of those students or those who they tell about their positive experiences in CESL will come back to pursue SIU degree programs. Examples are the 6 or so students from Pandit Deendayal Petroleum University in India who, after completing a one-month International Exposure Program organized and administered by CESL (2017 and 2018 iterations), came to SIU to pursue degree programs and are still here.

12. Institutional Assessment

12.1	Date of Last Review	<u>April 2019</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) <hr/>

RESOURCES: Center for English as a Second Language

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations					
Student Tuition and Fees	792,564	1,031,909	1,210,247	2,028,000	2,690,473
Grants & Contracts					2,500
Investment Income	6,000	5,678	6,262	1,000	2,013
Miscellaneous	82,000	51,175	10,447		536,173
Total Revenues	880,564	1,088,762	1,226,956	2,029,000	3,231,159
Expenditures*					
Salaries and Wages	600,663	704,154	1,036,380	1,806,000	1,834,375
Insurance Contributions	20,000	22,261	31,261	31,618	26,626
Travel	39,000	24,665	24,158	30,000	97,493
Equipment			5,617	12,000	107,009
Commodities	74,000	83,375	59,413	30,000	131,562
Contractual Services	95,000	124,082	132,466	28,382	1,255,001
Other	86,650	100,962	75,596	91,000	(258,980)
Total Expenditures	915,313	1,059,499	1,364,891	2,029,000	3,193,086
Revenue Minus Expenditures	(34,749)	29,263	(137,935)	0	38,073

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	5	6	12	17	21
Staff	4	4	8	7	7
Total Staffing	9	10	20	24	28

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale
2.	Center/Institute	Center for Fisheries, Aquaculture, & Aquatic Sciences (CFAAS)
3.	Date	March 29, 2020
4.	Director	James Garvey
4.1	Telephone	618 536 7761
4.2	E-mail	jgarvey@siu.edu
5.	Year Established	1950
6.	Illinois State Statute (if pertinent)	None (although SIUC Illinois Aquaculture Center recognized by state statute)
7.	Reporting Unit	Vice Chancellor for Research
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

SIUC's Center for Fisheries, Aquaculture, and Aquatic Sciences (CFAAS), one of the oldest research centers on the SIUC campus, was created as the Cooperative Fisheries Research Laboratory under SIUC President Delyte Morris in 1950. The center is comprised of research facilities shared across colleges and departments including a 100-pond outdoor aquaculture facility near the Touch of Nature Environmental Center, an indoor tank facility and the new Aquatic Research Laboratory and Saluki Aquarium at McLafferty Annex as well as computer and instrument laboratories, and research vessels. Current CFAAS faculty have split appointments with teaching responsibilities in the College of Science and research appointments in the Vice Chancellor for Research's office. CFAAS is one of the top ten academic fisheries programs in the US and is the largest in the Midwest.

9.2 Mission

The mission of the Center for Fisheries, Aquaculture and Aquatic Sciences is to perform high quality research leading to peer reviewed research and train graduate and undergraduate students in fisheries and aquaculture in a research-intensive environment. We strive to maintain a critical mass of complementary faculty and shared resources that enhance the individual faculty member's ability to acquire external funding and contribute to teaching within and beyond the classroom. We also provide outreach to Illinois' commercial aquaculture industry.

9.3 Objectives

- Perform high quality research funded with external grants.
- Publish research in high quality peer-reviewed journals.
- Train M.S. and Ph.D. graduate students.
- Provide research opportunities for undergraduate students.
- Teach graduate and undergraduate courses in fisheries, aquaculture, and related fields.
- Maintain sufficient shared resources (boats, fish tanks, instrumentation etc.) to foster collaboration among faculty within the Center and across departments and colleges to make individual faculty members more productive.
- Inform management and conservation of state, regional, national aquatic resources.
- Provide service to Illinois' aquaculture industry.
- Provide service to recreational and commercial fishing in the region.
- Bring international exposure to SIUC's ecological/environmental scholarship and leadership.

10. Advisory Board

10.1 Advisory Board - Membership

We are contacting potential advisory board members, with intent to meet in summer 2020.

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10.2 Number of Meetings (In This Year) 2 staff meetings

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. External Grant Funding		\$987,539.83
2. Peer-reviewed Publications		28
3. Graduate Students Enrolled		24
4. Graduate Students Finishing Degrees		6
5. Undergraduate Research Projects Supervised		15

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

The Center brokered more than \$4.4 million of privately farmed fish sales in the state of Illinois.

The Center continues to lead in research including aquatic toxicology, invasive species, large river ecology and management, fish nutrition, and fish genetics, with important conservation contributions to national and international issues in fisheries.

The Center contributed to a proposal to the Illinois Innovation Network for the iFerm program, which will promote research and development of fermentation products for use in industry.

Tristin Miller who is an undergraduate working in Michael Lydy's lab whose home department is Chemistry was awarded a REACH grant for this school year. Title of his grant was "Do increased salinities influence the fitness of the aquatic amphipod, *Hyalella azteca*?"

Logan Kent, a M.S. student working in Lydy's lab, was awarded Best Graduate Student Poster in the annual Natural Sciences Student Research Symposium fall semester at SIUC.

Ed Heist served on the Joint Meeting Ichthyologists and Herpetologists Umbrella Business Organization Committee.

Garvey joined the AFS River Symposium Panel for 150th meeting of American Fisheries Society

Garvey served on the Board of Directors, North Central Regional Aquaculture Center

Garvey is a continuing member of the national-level Asian carp harvest control committee

Garvey served as a panelist, Graduate Research Fellowship Program, NSF

Kwasek provided consulting to several aquaculture technology businesses on an international level.

Claire Snyder, a student of Whitledge, received a \$1000 scholarship from the Illinois Lakes Management Association

Claire Snyder received the best student presentation award at the Mississippi River Research Consortium annual meeting

Greg Whitledge's student Hudman Evans was runner-up for the best student presentation award at the Mississippi River Research Consortium annual meeting

Whitledge served as Co-organizer, Balancing Native Fish Passage with Invasive Fish Deterrence Symposium, 148th Annual Meeting, American Fisheries Society, Atlantic City, NJ

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

Consistent with the SIU Strategic Improvement Plan's vision of SIUC as developing "broad and carefully monitored graduate and research programs of high quality," CFAAS has maintained very high research productivity through competitive external grants, peer-reviewed publications, and graduate training at the MS and Ph.D. level. CFAAS also embraces the Plan's vision of "public service... guided by its location in a region of small communities, farms, and mines" by reaching out to Illinois' aquaculture industry, which ranges from small farm-pond operations to larger commercial facilities, through brokerage and fish-health screening that make the industry more profitable.

11.4 Evidence of Support for Center/Institute Objectives

- CFAAS is moving toward more self-sufficiency, including raising funds through fish production.
- CFAAS faculty taught above and beyond their contractual teaching loads.
- Continuing to reinvest grant and contracts into Center/University infrastructure, including purchase of new vehicles, upgrades to the Saluki Aquarium, and acquisition of new equipment.
- We provide service (brokerage of sales and testing for Viral Hemorrhagic Septicemia) for the Illinois aquaculture industry
- CFAAS uses research equipment and infrastructure to train undergraduate and graduate students as well as aid in classroom experiences. Most recently the Center has begun continuous monitoring of water quality in Campus Lake to better predict and mitigate potential harmful algal blooms.

11.5 Evidence of Organizational Effectiveness

Center Director Jim Garvey returned to the Center full time after serving as Interim Vice Chancellor for Research. Associate Director Ed Heist continues to perform research and teach the same course load as he did prior to becoming Associate Director. CFAAS recently combined its physical office, support staff, and student computing facility with the Cooperative Wildlife Research Laboratory to make both centers more cost-effective. The effectiveness with which CFAAS fulfills its objectives is detailed above.

12. Institutional Assessment

12.1	Date of Last Review	<u>2018</u>	_____
12.2	Decision at Last Review	<u>X</u>	Center/Institute in Good Standing _____ Center/Institute Flagged for Priority Review _____ Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) _____	

RESOURCES: Center for Fisheries, Aquaculture and Aquatic Sciences

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues:					
State Appropriations	487,089.28	437,674.43	201,178.26	520,975.45	574,169.11
Local Accounts	165,937.34	138,199.12	164,379.44	204,577.75	231,102.00
Grants & Contracts	987,539.83	1,085,227.05	1,298,984.53	1,544,030.00	2,032,054.03
Total Revenues	1,640,566.45	1,661,100.60	1,664,542.23	2,269,583.20	2,837,325.14
Expenditures:					
Salaries	1,068,267.32	962,160.75	1,151,946.20	1,093,109.55	1,251,764.98
Wages	11,192.74	17,408.97	23,591.25	24,661.69	24,051.10
Travel	70,547.58	56,003.17	64,252.18	64,699.64	116,742.85
Equipment	116,245.82	25,478.16	108,586.96	(338.78)	87,925.45
Commodities	272,155.85	134,356.87	186,334.01	169,156.14	527,012.05
Contractual Services	89,874.53	115,818.89	118,060.76	360,254.05	353,682.85
Op/Auto	34,773.51	49,522.48	46,289.74	45,344.43	54,093.25
Telephone	5,796.77	3,971.86	4,504.75	5,209.48	4,726.66
Fringe Benefits	150,261.94	150,423.77	205,523.52	134,403.96	128,840.00
Indirect	149,407.27	103,679.71	105,835.37	117,788.66	252,368.29
Other	15,988.32	15,271.79	10,799.48	40,514.63	16,176.11
Total Expenditures	1,984,511.65	1,634,096.42	2,025,724.22	2,054,803.45	2,817,383.59
Revenue Minus Expenditures	(343,945.20)	27,004.18	(361,181.99)	214,779.75	19,941.55
* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.					
Staffing (Full Time Equivalent)					
Faculty	4	4	2.25	3.6	3.7
Staff	45.1	40.2	28.7	30.8	39.2
Students	4	2.6	5	10	12.5
Graduate Assistants	8	8.8	10.5	11.8	14.8
Total Staffing	61.1	55.6	46.45	56.2	70.2

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University School of Medicine
2.	Center/Institute	SIU Center for Rural Health and Social Service Development (CRHSSD)
3.	Date	12/17/2019
4.	Director	Jeffrey Franklin
	4.1 Telephone	618-453-1251
	4.2 E-mail	jfranklin@siumed.edu
5.	Year Established	Academic Year 1991
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	Southern Illinois University School of Medicine
8.	Type	Activity (check all that apply)
	Instructional	
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Center for Rural Health and Social Service Development (CRHSSD) provides leadership and professional services – through community engagement, outreach and research – to aid in the development of the health care and social service systems of Illinois’s lower forty-two counties. The CRHSSD brings together the resources of Southern Illinois University—the faculty, staff and students—to work as partners with area agencies to successfully address the most pressing health and social service problems of the region.

Primary activities of the CRHSSD are grant and project development (identification of grant opportunities, coordination and facilitation of regional development projects with partner collaboration, and the development, coordination, and management of grants); research and evaluation (conducting needs assessments, pilot projects, project evaluations, publishing/presentation of research findings, and development/recommendation of policy alternatives); training and workforce development (conducting regional training needs assessments, developing/coordinating/sponsoring training opportunities, curriculum development for funded projects, provision of continuing education units (CEUs) for social workers and counselors, and facilitation of SIUC student learning, mentoring, and internship opportunities); and community engagement and outreach (representation of the SIU School of Medicine in southern and southeastern Illinois, provision of technical assistance and content expertise, service in national, state, regional, and local capacities, and development/enhancement of community partnerships, projects and activities).

9.2 Mission

The Center for Rural Health and Social Service Development exists to strengthen southern Illinois’s rural health infrastructure and promote opportunities for enhancing health primarily in rural communities.

9.3 Objectives

To accomplish the goal of being a resource center addressing health and social service issues that impact the lives and productivity of the citizens in southern and southeastern Illinois, the Center for Rural Health and Social Service Development provides leadership for health and social services development to Southern Illinois University, the southern and southeastern Illinois region, and the state of Illinois.

Primary objectives of the CRHSSD include:

1. Advance development of the health and social services infrastructure in southern Illinois. Coordinate and conduct program demonstrations. Develop alternative service delivery systems.
2. Develop new knowledge and practice in regional health and social services through increased scholarship and research. Support and coordinate new grant development of community projects and programs. Stimulate and conduct cooperative research.
3. Enhance funding for regional health and social service programs through external grants and contracts. Develop resources to support improvement in the delivery of community health and social service programs.
4. Participate and lead where possible in the development and implementation of public policy associated with regional health and social service programs. Develop policy alternatives and recommendations.

5. Contribute to the development of a well-prepared professional health/social service workforce for the southern Illinois region. Coordinate and conduct continuing education activities for the regional health and social service workforce.
6. Develop and enhance an effective network of community health and social service agencies for the southern and southeastern Illinois region. Act as a collaborative partner for regional development projects.

10. Advisory Board

10.1 Advisory Board - Membership

CRHSSD Advisory Board: A 15-member advisory board made up of community and university volunteers guides the Center for Rural Health and Social Service Development and acts in a consultative capacity on projects, activities, and overall direction. The board meets once per calendar quarter to stay acquainted with and up-to-date on all CRHSSD projects and plans, in addition to providing valuable input and leadership into development, research, service and training functions.

CRHSSD Advisory Board members in FY2019 are:

- Jean Alstat, Director of Crisis and Community Services, Centerstone of Illinois, Carbondale
- Fred Bernstein, Executive Director, Community Health and Emergency Services, Inc., Cairo
- Jennifer Brobst, Assistant Professor, SIU School of Law
- Brian Chapman, PhD, Special Projects Director, SIUC Office of the Provost
- Randy Dauby, CEO/Administrator, Pinckneyville Community Hospital, Pinckneyville
- Cindy Flamm, CEO, Rural Health, Inc., Anna
- John Hamman, PhD, Associate Professor, SIUC Political Science
- Angie Hampton, CEO, Egyptian Public and Mental Health Department, Eldorado
- John Jackson, PhD, Visiting Professor, SIU Paul Simon Public Policy Institute
- Patsy Jensen, Executive Director, Shawnee Health Service, Carterville
- Bill Jung, Executive Director, RIDES Mass Transit District, Harrisburg
- Kathy Swafford, MD, Pediatric Physician, Anna
- Woody Thorne, Vice President of Community Affairs, Southern Illinois Healthcare, Carbondale

10.2 Number of Meetings (In This Year) 4

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. External funding generated	\$300,000	\$2,408,449
2. Grant Applications – Number/Funding Sought	3 Projects/ \$250,000	5 Projects/\$1.33 million
2. Publications and Presentations	3	7
3. Continuing Education Programs	5	17
4. Community Collaborations	75	211
5. University Collaborations	10	25

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

Campus Suicide Prevention Grant-“It Takes a Village”
 In 2016, SIU School of Social Work received a Garrett Lee Smith (GLS) Campus Suicide Prevention grant from Substance Abuse and Mental Health Services Administration (SAMHSA). The purpose of this grant is to assist the university in building essential capacity and infrastructure to support expanded efforts to promote wellness and help-seeking of all students, including those experiencing substance abuse and mental health problems who are at greater risk for suicide and suicide attempts. The CRHSSD became the fiscal agent and administrative home to this grant in September 2017

FY 19 Accomplishments: The Salukis on Your Side Grant collaborated with Student Health Services to establish the “Dawg Lounge ” stress management space which offers Koru mindfulness classes, light box therapy, Biofeedback, dogs, and a full body massage chair to students, faculty and staff. The second annual Out of the Darkness campus suicide walk surpassed its goal of raising \$10,000 for the American Foundation for Suicide Prevention. The Red Folder has been approved and will be distributed to faculty/ staff fall semester 2019. Over 200 students received Talk Saves Lives Suicide gatekeeper training.

Continuing Education Program
 The Continuing Education Program, formerly the Community Training Program, was created in 2002 to fill training and continuing education gaps for rural health care and social service providers in the southern Illinois region. A steering committee of university and community partners originally directed the efforts of this program to assist in connecting with regional training needs. Conferences, workshops, and trainings are coordinated and developed with regional partners in response to assessed needs, with the CRHSSD providing social work and professional counselor CEUs.

FY 19 Accomplishments: The CRHSSD provided CEUs for 17 trainings offering 103 continuing education units for regional licensed social workers and licensed professional counselors.

Drug Endangered Children (DEC) Training
 DEC trainings are designed to teach communities how to develop a coordinated response for assistance utilizing “a multidisciplinary strategy”, with the goal of changing “the trajectory of a drug endangered child’s life through recognition of a common vision, ongoing collaboration between disciplines, and ongoing change in practices and policies, all of which increases the likelihood of better outcomes for drug endangered children”. Trainings are provided by Eric Nation, Director of Training and Development, as well as Stacey Read, Director of DEC Network Development, both of whom have extensive experience in child protective services and the Drug Enforcement Agency.

FY 19 Accomplishments: On October 24, 2018, 175 professionals attended a DEC training that was held in Fayette County, a collaboration between the CRHSSD/SIU School of Medicine and ROE #3. Due to the extensive interest in this training, the Richland County Addictions Prevention Coalition hosted a similar training on October 11, 2019 in Olney, IL. This training was a collaboration between all public and private school systems in both Richland and Lawrence counties, as well as the CRHSSD/SIU School of Medicine and had over 500 in attendance.

Geriatric Workforce Enhancement Program (GWEP)

In 2015, Rush University Medical Center received funding from the Health Resources and Services Administration (HRSA) to support a Geriatrics Workforce Enhancement Program (GWEP), called CATCH-ON, Collaborative Action Team training for Community Health – Older adult Network. SIU, through a sub-contract, is responsible for the rural component of the project. The SIU Team consists of SIU SOM Family & Community Medicine, SIU SOM Physician Assistant Program, SIU School of Social Work, SIU Department of Psychology, SIU SOM CRHSSD, and Shawnee Alliance for Seniors. In July of 2016, the GWEP southern Illinois team envisioned a program to help older adults in southern Illinois, the Older Adults Community Care Collaborative Initiative (OACCCI). Clinic geriatric patients were in need of social services that were being provided in the community and clinic faculty realized there was a knowledge deficit among staff and providers in regard to community resources and the ways to secure needed services. The clinic had no knowledge of which patients were being referred for community services as there was no record of referrals made. Additionally, referrals were not documented in an identified location in the Electronic Health Record (EHR) and therefore no standardized data retrieval could occur.

FY 19 Accomplishments: A 'falls' screening protocol and corresponding EHR template was developed and implemented and included faculty/staff falls training. Since December 2018, 570 patients have been screened. Outreach efforts this fiscal year reached over 80 seniors and an Interprofessional Education event in April was based on a geriatric case study involving 90 learners.

Health Career Pipeline Programs

Community College Pathways to Medicine (CCPM): CCPM was developed as a community college extra-curricular "club" that involves both upper level high school students, as well as community college students, who are interested in and have an aptitude for a career in medicine. The group meets at Lincoln Trail College (LTC), a part of Illinois Eastern Community Colleges, four times during the school year. LTC is partnering with SIU School of Medicine – Center for Rural Health and Social Service Development to develop an educational health career pipeline for these students with the goal of exposing them to the requirements for attending medical school, options for health education tracks, professional/educational development opportunities, and overall exposure to the medical field.

FY 19 Accomplishments: 23 students participated in the program this fiscal year. Topics discussed included medical school preparation and requirements, health education tracks, cost and financing of medical education, as well as various guest speakers from the medical field who began their career at the community college level. Planning is underway to develop a similar program at Olney Central College (another IECC location) for the 2019-20 school year.

CareeRX: CareeRX is a multi-county extracurricular club that involves 10 area high schools in the Eastern region of Illinois. The club meets once per month in the evening during the regular school year at a location in the Charleston/Mattoon area, involving youth from the various participating high schools. Serving as a health career pipeline program with exposure to multiple medical professions, each month's session offers a unique look into a particular medical field, many using a hands-on experience to solidify the information for the students. After a student participates in 3 sessions, they are given a stethoscope as an incentive to continue their participation, and annual competitive scholarships are available.

FY 19 Accomplishments: 50 participants heard topics that included medical school requirements and preparation and a tour of the Eastern Illinois University cadaver lab led by senior level EIU pre-med students, cardiology, surgery, family practice, psychiatry, advanced

level nursing, and radiology. The program culminated in a well-attended health career/education fair at Lake Land College, in which students and parents were given the opportunity to explore various colleges and careers in the medical field. 4 scholarships of \$250 each were awarded.

Upward Bound Summer Program: Upward Bound (UB) is a program that is designed for high school students who will be considered first-generation college students within their family. The UB Summer Program meets for 6 weeks during the summer and offers a variety of core curriculum classes with academic tutoring, social and cultural development opportunities, college/career counseling, as well as educational and professional exploration opportunities and internships. There are 100 students from 7 counties involved in UB, and the program is free for the students accepted into it.

FY 19 Accomplishments: SIU School of Medicine was approached to collaborate with the UB Summer Program in FY 19. Utilizing educational tools that are also used for CCPM and CareeRX, a “Medical Career Exploration” class was developed. 47 students who will be seniors in high school for the 2019-20 school year are registered for the class that meets one day per week over 5 weeks, in two different locations within the Illinois Eastern Community Colleges network (Wabash Valley College in Mt. Carmel on Tuesdays, and Olney Central College in Olney on Wednesdays). Topics include medical career exploration, medical school preparation and requirements, ethics in medicine, problem based learning opportunities/case studies, pharmacy, opioids and illegal drugs, and rural family practice.

Illinois CATCH Onto Health Network

Since 2007, the CRHSSD, as the lead agency, in partnership with the Illinois CATCH onto Health Consortium (IHC), has facilitated the Coordinated Approach to Child Health (CATCH) in elementary schools throughout the southern 16 Illinois Delta counties. The funding for this project is through the Delta States Rural Development Network Program (DSRDN) grant from the U.S. Department of Health and Human Services’ Health Resources and Services Administration. The award is part of a federal initiative to improve access to primary health care in the 205 counties and parishes within the eight state Mississippi Delta Region. The primary role of the CRHSSD is to coordinate the overall project within the Illinois region and, in collaboration with the partners, establish goals and move toward sustainability of the program’s successes. The Illinois CATCH onto Health Consortium (IHC) continues to provide leadership for building increased capacity for Illinois Delta schools to effectively improve school health through policy, systems, and environmental change, thus promoting sustainability and a strong fundamental attitude regarding the importance of general wellness, both in schools and in the community.

FY 19 Accomplishments: The HRSA funded project continues to incorporate the CDC’s *Whole School, Whole Community, Whole Child Model (WSCC)* approach for coordinated school health programming. While continuing all current CATCH components, the enhanced and expanded school health efforts included in the WSCC approach allows for the integration of a strong emotional and mental health component into school-based efforts. This expanded focus incorporates Youth Mental Health First Aid training, Signs of Suicide (SOS) curriculum, bullying and character education, professional development on Illinois’ Social and Emotional learning standards, and strengthens the region’s mental health workforce serving school-aged children. IHC members, who are certified Youth Mental Health First Aid instructors, have conducted trainings throughout the Illinois Delta region, preparing over 400 school and community personnel to recognize the need for intervention and referral. Also, over 500 children have received SOS training, increasing their ability to help a peer who might be experiencing a mental health crisis. IHC members have also been assisting participating schools to become trauma-informed and build resilience in their students. In addition to the ongoing work of the IHC, Jeff Franklin has had the opportunity to share the successes of the Illinois Delta Initiative on the national level at National Rural Health Association Conferences and the Southern Obesity Summit.

Marion VA Collaboration

SIU School of Medicine is the official Medical Education Affiliate to the Marion VA Medical Center to promote the academic exploration of enhanced patient care, education, and research. As such, both organizations recognize the opportunities and potential benefits in exploring collaborative endeavors. Since 2013, CRHSSD, as a part of the Office of Regional Medical Programs, acts as the local liaison for these efforts. Some areas of collaboration to be pursued include service line expansion, grants, training, and residency opportunities.

FY 19 Accomplishments: The CRHSSD worked with the SIU System office to plan and conduct a Veteran's Summit in September 2019 which will include a day of service to southern Illinois Veterans.

Medical Reserve Corps (MRC)

The Medical Reserve Corps (MRC) is a national network of volunteers, organized locally into MRC units dedicated to improving the health and safety of their communities. MRC units engage both medical and non-medical volunteers to strengthen public health, improve emergency response capabilities, and build community resiliency. The Jackson County, Illinois MRC is housed in the Jackson County Health Department (JCHD). The JCHD is partnering with the Center for Rural Health and Social Services Development (CRHSSD) to develop an SIU branch (hereafter called the SIU MRC) of the Jackson County MRC (JC*MRC) comprised of students, faculty, and staff. The SIU MRC volunteers participate in JC*MRC outreach activities, volunteer trainings, and disaster drills and exercises. The SIU SOM CRHSSD service area includes 22 counties in southern Illinois. Along with enhancing the capacity of the JC*MRC, SIU MRC volunteers have been encouraged to develop innovative projects that address the health needs of the communities within the SIU School of Medicine's southern service area. The SIU MRC project is overseen by the CRHSSD, and volunteer activities are coordinated each semester by SIU Medical/Dental Education Preparatory (MEDPREP) MPH practicum students.

FY19 Accomplishments: In FY19 the SIU MRC Team was again coordinated by a MEDPREP/MPH student completing a practicum with CRHSSD. A volunteer training program was developed for the SIU MRC volunteers and included the following:

CPR/First Aid/AED certification: This was provided by Cintas and was hosted by the Jackson County Health Department.

Stop the Bleed: This training was held at the Jackson County Health Department and was provided by Southern Illinois Healthcare Regional Hospital Coordinating Center.

Active Killer Response (formerly referred to as Active Shooter Response): This half-day training was provided by the Jackson County Sheriff's Department and was held at The Church of Jesus Christ of Latter Day Saints.

The trainings, which each had 25-30 participants, were open to Jackson County MRC members, and the active killer training was open to faith-based organizations and school personnel. In addition to the trainings, the SIU MRC Team volunteers at first aid stations during the Southern Illinois Airport Fly-In and the Special Olympics Spring Games.

Opioid Use Disorder Project/Southern Illinois Behavioral Health Consortium

Since 2014, CRHSSD has embarked in a collaborative effort with Community Behavioral Health Association of Illinois (CBHA), Southern Illinois Healthcare (SIH), the Healthy Southern Illinois Delta Network (HSIDN), and Shawnee Health Service (Southern Illinois Opioid Use Disorder Steering Committee, SI OUD SC) to host and facilitate a regional "Call for Community Solutions" effort to combat prescription drug/opioid and heroin abuse in the 33 southernmost Illinois counties.

FY 19 Accomplishments: To date, the SI OUD Steering Committee has hosted five regional events/meetings as well as one interdisciplinary educational conference. A previously cancelled event (due to weather) has been rescheduled for July 18 and will feature presenters on Trauma and Grant Writing. The USDA has joined our partnership and this event included a Workforce/Employer tract that focused on how opioid use disorder is impacting the southern Illinois workforce and employers. In addition, CRHSSD assisted with Town Hall events to raise awareness in Wayne, Hamilton, and Alexander Counties with planning underway in Jasper and

Clay Counties. At least sixteen regional counties have active drug coalitions in which CRHSSD staff participate.

Prescription Monitoring Program (PMP)

The Illinois Department of Human Services' Prescription Monitoring Program received funding from the Centers for Disease Control's Prescription Drug Overdose Prevention for States grant and subcontracted with the CRHSSD to target activities in the 16 southern Illinois Delta counties. The CRHSSD assists the PMP to 1) enhance and maximize the PMP by moving towards universal registration, increase ease of PMP use and access by medical providers, pharmacy "real-time" reporting, transition to a 5-5-6 threshold for unsolicited reporting to providers, and use of county and zip code level PMP data for public health surveillance and dissemination; and 2) implement community or insurer/health system interventions by identifying and providing technical assistance to high-burden communities and implement opioid prescribing interventions. CRHSSD's role in this project is essential to maintaining the integrity of the goals and objectives across the collaborating health departments, facilitating communications between DHS-PMP and the participating health departments, and developing future activities.

FY 19 Accomplishments: Funding was again awarded to the CRHSSD to hire two pharmacist educators to provide outreach, technical assistance, and education to prescribers in the central and southern Illinois regions. The CRHSSD continues to provide technical support, facilitate communication between Delta Region health departments, hospitals, community organizations, the PMP staff, and the PMP pharmacy educators. CRHSSD has promoted PMP utilization at local conferences and events by distributing information and scheduling speakers, as well as distributing PMP county profiles and providing administrative support for the pharmacy educators. The CRHSSD also facilitated the development of pocket guides to substance misuse resources for each of the counties in the IL PMP Delta Counties Project. The pocket guides, which promote the PMP and provide contact information for resources such as treatment centers and support groups, are given to first responders, clinic personnel, and hospital staff.

Primary Care Training and Enhancement Program (PCTE)

SIU School of Medicine's Physician Assistant Program is the lead applicant on a five-year grant received from Health Resources and Services Administration (HRSA) to develop and implement an innovative Population Health and Systems Thinking Curriculum for physician assistant (PA) students, medical students, and family medicine residents in training. The resulting, sustainable inter-professional training model for population health and systems thinking will ultimately meet rural health care needs while addressing the social determinants of health. CRHSSD staff coordinates the implementation of these grant activities across multi-disciplinary units.

FY 19 Accomplishments: Trainings for students, faculty and staff included Naloxone, Trauma Informed Care, Medication Assisted Treatment, and Population Health and Systems Thinking. Two Inter-professional Education events were held that included almost 200 attendees, with 130 of those being multidisciplinary learners. The Hotspotting program, including two student-led Hotspotting teams has been implemented and all are currently following patients in southern Illinois

Resilient Southern Illinois (RSI)

Fostering and building resilience among children is the focus of Resilient Southern Illinois (RSI). Supported by a host of regional and state-wide partners, including CRHSSD, RSI will work over two years with up to 15 school districts in the Illinois Delta to become "trauma-sensitive." RSI also works with a smaller group of districts on building community-school partnerships to bolster what the schools are doing. Schools are a logical starting place for efforts to build awareness of childhood trauma and strategies to address it. RSI believes that ultimately the greatest impacts will be achieved when schools and their community partners work together to address adversity and poverty. School districts are selected for a pilot effort to bring schools, health organizations, religious congregations, local government, and other partners together to create a trauma-informed community.

FY 19 Accomplishments: As the first year of the project ends, two schools have opted out of the second year and four new districts will be added. A June training event is planned for the

participating schools to focus on a trauma-informed implementation plan. Year Two includes 2 areas of growth—1) inclusion of pre-k and early childhood feeder sites in a couple of pilot sites; and 2) Increase collaboration between the schools and their local communities in a select number of pilot sites by enlisting the CRHSSD to provide technical assistance to identify, assess and engage additional community partners in sustainability of their efforts. Jeff Franklin and Eric Wiedenman are working closely with the RSI efforts and have joined the Steering Committee. Steering Committee members have been attending convening's in Boston with the Harvard Educational Redesign Lab.

Rural Communities Opioid Response Program Planning

Family Counseling Center, Inc. (FCC) received a HRSA Federal Office of Rural Health (FORHP) grant to create a consortium for the purpose of planning activities to reduce the occurrence of opioid use and overdose, and to expand the local infrastructure and capacity to address Opioid Use Disorder (OUD) in Hardin County. This one year funding brought together consortium members from FCC, CRHSSD, Southern 7 Health Department, Hardin County Hospital and Prevention First to develop a community education and awareness campaign, propose an implementation plan and sustain efforts to address the opioid crisis.

FY 19 Accomplishments: The CRHSSD developed and conducted a community survey to assess the awareness of and need for community resources to combat OUD. Research was conducted to identify evidence-based screening tools that could be utilized across multiple sectors, such as law enforcement, probation, and medical providers. FCC has applied for additional funding through the FORHP's Rural Communities Opioid Response Implementation Program.

Rural Opioid Prescriber Training Program

SIU School of Medicine's Department of Psychiatry received State of Illinois funding to develop and implement a training program for physicians, dentists, pharmacists, nurses, physician assistants, nurse practitioners, and other opioid prescribers. The training focuses on best practices and prescription guidelines for opioids in the 66 counties within the SIU SOM region for one year. Activities include developing a statewide advisory group, performing an extensive literature review, identifying best practices, develop and deliver six videoconference trainings for opioid prescribers, provide continuing education credits, and program evaluation. Kitty Juul, Rural Health Project Coordinator with CRHSSD, coordinates the project, acting as liaison with all partnering departments and organizations.

FY 19 Accomplishments: An additional 48 individuals attended one or more trainings this fiscal year. Live Zoom webinars are being used to transmit the trainings to training sites, and the live training sessions can be accessed on any computer with internet capabilities. Instead of completing pre- and post-tests on paper, participants will be able to complete these online upon registering for a training and prior to downloading certificates. Several training site locations have been added in southern, eastern, and western Illinois. Training program staff are now partnering with local opioid coalitions to host trainings and market the training program. In addition, the target audience has been expanded to include veterinarians.

Shawnee Preparedness and Response Coalition

The Shawnee Preparedness and Response Coalition (SPARC) is a whole community coalition that promotes community resiliency and collaboration in preparedness, mitigation, response, and recovery in southern Illinois' Marion Region. The CRHSSD is an active member of SPARC, with staff participating in the Training, Education, & Exercise (TE&E) committee and the Disaster Planning for Animals (DPA) committee.

FY 19 Accomplishments: The TE&E committee trained several SPARC members to become CPR/first aid/AED instructors. One CRHSSD staff member (Kitty Juul) was certified as an instructor and provides CPR/first aid/AED classes to MEDPREP students in the MRC. CRHSSD partnered with Shawnee Health Service Farmworker Health Program to provide CPR/first aid classes to migrant and seasonal farmworkers. The DPA committee, which created a Disaster Animal Response Plan, was activated in May 2019 to assist with animal evacuations in response to Mississippi River flooding.

Southern Illinois Commitments Cohort

The Alliance for Strong Families and Communities in partnership with Illinois Partners for Human Service, the Annie E. Casey Foundation, Southern Illinois Healthcare, and the CRHSSD developed an opportunity for up to 15 southern Illinois rural organizations to participate in a transformational change cohort that began in January 2018. The accelerated transformation model is built upon leveraging the Commitments values of Leading with Vision, Governing for the Future, Executing on Mission, Partnering with Purpose, Investing in Capacity, Measuring that Matters, Co-Creating with Community, Innovating with Enterprise, Engaging All Voices, and Advancing Equity. These foundational Commitments assert that nonprofit organizations cannot afford to rely on leadership styles and governance models that worked in the past. If they are to succeed in the uncertain economic, political, and technological climates, leaders cannot focus on the mechanics of management and boards of directors cannot focus on operational issues. The CRHSSD is contributing to this effort by designing and conducting the evaluation of the project.

FY 19 Accomplishments: The CRHSSD developed a pre- and post- cohort instrument and completed a final report for the project.

Trauma-Based Behavioral Health Fellowship/OSUDS

The CRHSSD acts as fiscal agent and administrative home to the Trauma-Based Behavioral Health Fellowship Program funded through Health Resources and Services Administration (HRSA). The new four-year grant opportunity was awarded in September 2017 and operated on an accelerated five-month schedule for the first year and begins its normal 27-week cycle for graduate level students focusing on trauma-based understanding and practice in both social work and rehabilitation counseling. The students receive hands-on experience and mentorship across a multifaceted platform by working with professionals who represent many disciplinary practices as well as a stipend.

FY 19 Accomplishments: During Year 2 of this grant cycle, the Fellowship successfully graduated 16 students trained to provide trauma-based clinical interventions to at-risk children, adolescents, transitional youth, and their families. Another 10 students were also trained in opioid and other substance use disorder to work specifically as part of an inter-professional medical team within federally qualified health centers, bringing the total number of trained graduates to 26 this grant year.

In Addition:

The CRHSSD was active in seeking grant and contract funding for expanded programs, increasing scholarly output, and participating in professional and community organizations promoting health and social services development. In FY2019, the CRHSSD received \$2,408,449.25 in external grants and contracts, \$1,232,392.20 of which was reallocated to the surrounding community through various collaborations with health and social service organizations. The CRHSSD submitted or collaborated on 5 external proposals totaling over \$1.3 million for consideration by funding agencies; Two proposals were denied, and three were awarded funding. CRHSSD staff served on 17 community coalitions and committees, as well as collaborated with numerous organizations, including the Marion VA Medical Center. The staff also presented eight projects at four state and national conferences during this project year.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The Center for Rural Health and Social Service Development supports the priorities of the State of Illinois, Southern Illinois University, and the SIU School of Medicine. The CRHSSD advances Goal 4 of the Illinois Public Agenda and its call to use “educational, research and innovation assets to meet economic needs of the state and its region.” The CRHSSD’s reliance on community networks and public/private partnerships and the focus on community service directly support the priorities of the SIU Board of Trustees and SIU Carbondale. The center’s mission complements SIU’s mission and its call to “improve our communities” and the SIU goal for

“collaboration with the broader community in our mutual goals of research translation, workforce education, and economic development and (to) sustain and grow SIU’s outreach and service mission.” The CRHSSD is a practical example of SIU School of Medicine’s mission area of “service to the community” and numerous medical school strategic priorities, including those dealing with workforce development, research, patient health, and engagement with the community.

11.4 Evidence of Support for Center/Institute Objectives

In FY2019, the Center for Rural Health and Social Service Development advanced its center objectives as outlined in 9.3 above. The center’s numerous, diversified community projects support its primary objective for development of the regional health and social services infrastructure. The CRHSSD had over 200 active community partnerships in the past year and received over \$2.4 million in extramural funding, filtering over \$1.23 million back into the southern and southeastern Illinois region. This positively impacted the region’s economy and its health/social services infrastructure; this is evidence of support for the center’s community collaboration, research, and funding enhancement objectives. In support of its educational and workforce development objective, the CRHSSD contributes to the educational mission of the university and the medical school by providing learning experiences for student interns and graduate assistants. Students are assigned project responsibilities of substance that provide hands-on research and/or service experience while benefiting the communities in which the projects are implemented.

11.5 Evidence of Organizational Effectiveness

The Center for Rural Health and Social Service Development is effective as an organization. The center’s mission and activities support the priorities of the State of Illinois, Southern Illinois University, and SIU School of Medicine as well as meet the expectations of its community partners and funding agencies. The CRHSSD has extensive partnerships and collaborations with health and social service agencies in the southern Illinois region. It has been successful in attracting external grant funding. The center’s most recent program review in 2012 found that the CRHSSD was active and respected in the region, that it had formed effective collaborations with regional groups, and that it was emerging as a strong voice for rural, southern Illinois. The Center for Rural Health and Social Service Development is well situated for future success.

12. Institutional Assessment

12.1	Date of Last Review	<u>2011-2012</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	<u>N/A</u>

RESOURCES: Center for Rural Health and Social Service Development

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	150,372	150,372	153, 576	153,576	152,742
External Grants	2,216,506	1,692,518	1,261,162	559,282	719,514
Contractual/Income	30,342.	4,313	7,688	20,793	5,643
Rural Health Initiative ¹	161,600	161,600	112,000	120,000	100,000
Indirect/Overhead Return	43,590	32,404	25,794	14,604	20,144
Total Revenues	\$2,602,410	\$2,041,207	\$1,560,200	\$868,255	\$998,887
Expenditures					
Salaries	606,031	569,350	422,938	394,576	447,468
Fringe Benefits	117,111	154,228	118,294	56,372	76,683
Travel	20,293	29,535	19,422	7,210	20,420
Equipment	1,856	4,627	0	4,351	2,016
Commodities	23,590	17,585	20,905	5,737	58,820
Community/University Program Grants ²	708,111	687,921	481,864	289,405	290,000
Contractual - Other	139,331	110,761	71,395	47,771	23,697
Indirect to University	151,140	136,402	121,857	59,405	65,912
Total Expenditures	1,767,463	1,710,409	\$1,256,695	\$864,827	\$983,000
Revenue Minus Expenditures	\$834,947	\$330,798	\$303,505	\$3,428	\$15,877

1. The Rural Health Initiative funding is based on state appropriated funds administered by the SIU School of Medicine. These funds support community projects designed to assist rural and underserved areas in central and southern Illinois with increasing access to health care services, improving local health care infrastructure, and identifying educational opportunities for medical students focused upon rural experiences.
2. Community/University Program Grants funds are portions of external grants received by the CRHSSD which are apportioned to community organizations or other SIU units.

Staffing (Full Time Equivalent)¹	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	0.00	0.00	0.00	0.00	0.00
Staff	11.00	7.80	8.00	7.00	7.00
Extra Help	3.00	0.77	0.00	1.00	2.00
Graduate Assistants	5.00	2.00	3.00	4.00	5.00
Student Workers	1.00	0.00	0.00	0.00	0.00
Total Staffing	20.00	10.57	11.00	12.00	14.00

1. Staffing (FTE) includes FTEs of those faculty and staff receiving direct salary support from the CRHSSD.

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University – Carbondale						
2.	Center/Institute	SIU Clinical Center						
3.	Date	Feb, 13, 2020						
4.	Director	Holly Cormier						
4.1	Telephone	618-453-2361						
4.2	E-mail	cormierh@siu.edu						
5.	Year Established	1958						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	Associate Provost – David Dilalla						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">Instructional</td> <td style="border: 1px solid black; padding: 2px;">Yes</td> </tr> <tr> <td>Research</td> <td style="border: 1px solid black; padding: 2px;">Yes</td> </tr> <tr> <td>Public Service</td> <td style="border: 1px solid black; padding: 2px;">yes</td> </tr> </table>	Instructional	Yes	Research	Yes	Public Service	yes
Instructional	Yes							
Research	Yes							
Public Service	yes							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Clinical Center graduate training program provides the training site for several graduate programs including Clinical Psychology, Communication Disorders and Sciences (CDS), and Educational Psychology and Special Education. The Clinical Center's mission is to provide the training resources and milieu for graduate students in these areas to complete direct experience training as required by their specific program. The specific areas of training that the graduate students participate in include: speech, language, and hearing services; psychological services including individual adult and child therapy, couple and family therapy, group therapy, and psychological assessment. To facilitate this training, the Clinical Center maintains required medical/clinical records; provides therapy rooms; provides recording equipment and other supervision supports such as one-way observation areas; maintains a resource library that houses and maintains psychological testing material, speech and language assessment materials, treatment manuals and supportive materials, intervention equipment such as language materials, toys and other therapy materials. We maintain a client lobby and receptionist. We ensure that professional standards required by the departmental accrediting bodies and laws, such as those regarding client confidentiality, are maintained and that professional standards are not transgressed. The Clinical Center maintains licensed professional coverage for mental health services during open hours as required by Medicare. This licensed professional is available to back up any student clinician in an emergency situation.

9.2 Mission

The mission of the Clinical Center Training Program is the same mission that it was charged with in 1958 at its inception; that is, to provide training to graduate students to prepare them for their professional career, to serve the community, and to facilitate research.

9.3 Objectives

- 1) Provide clinical training experiences that prepare students for licensure and/or internship placement.
- 2) Ensure that students are trained to use research based, best practice treatments and assessments.
- 3) Coordinate with academic programs to ensure that the clinic provides training experiences and opportunities that are congruent with national accreditation standards for a given discipline.
- 4) Provide community service in the course of fulfilling training mission.
- 5) Provide research opportunities for supervising faculty.

10. Advisory Board

10.1 Advisory Board - Membership

<ol style="list-style-type: none"> 1) Deb Pender – Counselor Ed. 2) David Dilalla – Associate Provost 3) Chad Drake – Clinical Psychology 4) Karla Fehr – Clinical Psychology 5) Erin Connelly – Communication Disorders and Speech 6) Atheana Meadows – Communication Disorders and Speech 7) Holly Cormier – Clinical Center director 8) Amber Drake – Clinical Center 9) Diane Muzio – Clinical Center 10) Cindy Clark – Clinical Center

10.2 Number of Meetings (In This Year) June 2020 will be first meeting

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Client Satisfaction Surveys		Overall Satisfaction with therapy services (max. 5) – the average client rating was 4.7 Overall Satisfaction with Staff Services was 4.58
2. Re-applied for Jackson County 708 Funding	\$20,000.00	\$20,000.00
3. Support Faculty Research within the clinic	N/A	Three faculty members continue to collect data in the clinic
4. Collect and Explore Clinical Center Client Data	N/A	Actively compiling a database
5. Initiate Research Activity and Collaborate with Outside Training Clinics	N/A	The clinic director is on two research committees within the Association of

Measure	Target for Year	Results in Year
		Psychology Training Clinic Directors

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

We have successfully secured another year of funding from the Jackson County 708 board.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The clinic's central mission is training. In service of fulfilling this mission, the Clinical Center provides service and support to our surrounding communities. We offer an array of clinical services at a reduced rate. The clinic collaborates with a number of community agencies to address issues related to accessibility and availability and is active in many areas related to community engagement.

11.4 Evidence of Support for Center/Institute Objectives

- 1) We assign clients to student clinicians. Clinicians carry a caseload that is consistent with their program and national accrediting body requirements.
- 2) Students receive didactic training in their home departments and receive clinical supervision of the work with clients. Student clinicians provide clinical treatment that is consistent with didactic training and supervision.
- 3) The clinic director and the clinical support staff work with instructional and supervising faculty of the various programs that we serve. These meetings and collaborations ensure that the clinic provides a training setting that is consistent with program requirements.
- 4) We provide an array of clinical services to members of our surrounding communities.
- 5) Three faculty supervisors are currently collecting data in the Clinical Center. Two other faculty members are in the planning phase of a clinical research study, but they have since separated from the university.

11.5 Evidence of Organizational Effectiveness

The mission of the clinic is training. While in the clinic, students accrue direct service hours and receive supervision and training in treatment and assessment. Near the completion of their programs, these students compete for internship placements across the country. In clinical psychology, this is a highly competitive process given that there are more students seeking APA accredited internship placements than there are available placement positions. Since 2013, all

clinical psychology graduate students have successfully matched for internship placements, and in most cases, they matched with the first or second choices. A part of what makes these students so competitive are the skill and expertise that they acquire as part of their training in the Clinical Center.

In addition to student success, the clinic also surveys clients to assess satisfaction with services. Client ratings of their experiences in the clinic are consistently high average and above average in all domains queried (e.g. they feel that services addressed presenting concerns, therapists were professional and competent, they would return to the Clinical Center in the future).

The clinic has also increased outreach efforts to the community, established collaborations with integrated health care settings (SIU Family Medicine, Pediatric Group, and the Center for Medical Arts (there has been a recent hire of a child Psychiatrist). Finally, faculty are conducting clinical research with clients looking at therapeutic change, resilience, and the impact of therapeutic intervention.

Additionally, the director of the clinic (and the author of this report) is meeting with the Associate Provost (Lizette Chevalier) to assess the possibility that SIU can organize programming that aligns with the recent legislation that allows psychologists to prescribe psychotropic medication. While this task is not necessarily a direct responsibility of the clinic director, it is illustrative of the interest and motivation to actively contribute to all levels of university programming.

12. Institutional Assessment

12.1	Date of Last Review	<u>May/June 2019</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) <hr/>

RESOURCES: SIU Clinical Center

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	338,621.74	319,132.19	359,585.56	340,810.51	413,408.53
Income Fund	139,469.95	147,055.00			
Grants & Contracts	29,502.00	23,810.00			
Non-mandatory transfer in	4,000.00	4,4000.00			
xxx					
xxx					
Total Revenues	511,593.69	494,397.19			
Expenditures*					
Salaries	373,193.80	337,885.34			
Equipment	450.68	11,918.54			
Travel	2,358.62	4,494.36			
Contractual	13,424.28	18,013.49			
Commodities	11,862.37	10,189.38			
Telecom	4,106.77	4,878.62			
Wages	7,912.49	7,200.64			
Refunds and Returned Checks	410.00	0.00			
Total Expenditures	413,719,.01	389,039.31			
Revenue Minus Expenditures	97,874.68	105,357.88			

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
GA's	2.75	4.5	3.5	3.5	3.5
Staff	5.74	6.5	6.5	6.75	6.75
Total Staffing	8.49	11	10	10.25	10.25

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale						
2.	Center/Institute	Cooperative Wildlife Research Laboratory (CWRL)						
3.	Date	March 29, 2020						
4.	Director	James E. Garvey (proxy for Interim VC Research)						
4.1	Telephone	(618) 536-7761						
4.2	E-mail	jgarvey@siu.edu						
5.	Year Established	1950						
6.	Illinois State Statute (if pertinent)	NA						
7.	Reporting Unit	Vice Chancellor for Research						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; padding-right: 10px;">Instructional</td> <td style="border: 1px solid black; text-align: center; width: 30px;">X</td> </tr> <tr> <td style="padding-right: 10px;">Research</td> <td style="border: 1px solid black; text-align: center;">X</td> </tr> <tr> <td style="padding-right: 10px;">Public Service</td> <td style="border: 1px solid black; text-align: center;">X</td> </tr> </table>	Instructional	X	Research	X	Public Service	X
Instructional	X							
Research	X							
Public Service	X							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

As recently as 2017, the CWRL consisted of one director and 6 full time Faculty members (two positions, one in Wildlife Toxicology and the Wildlife Director are currently vacant), who also have appointments ranging from 25% - 50% in the Departments of Zoology or Forestry. Teaching and research focus on basic and applied wildlife ecology and natural resource management. Faculty members teach both graduate and undergraduate courses, and the lab generally has ~30 active MS and PhD students at any point in time. The CWRL shares 2 full time office staff and 2 student workers with the Fisheries unit in a single office in Life Sciences II. Resources include modern research labs, a centralized computer facility, field vehicles, and an off-campus annex with laboratory, office, and storage space.

9.2 Mission

The CWRL has a mission of teaching, research, and service consistent with that of Southern Illinois University Carbondale. Teaching efforts focus on both graduate and undergraduate training. Faculty members also advise zoology and forestry majors, especially those with an emphasis in wildlife biology. It currently supports a Professional Science Masters in Wildlife Management.

Basic and applied research in the CWRL emphasizes the welfare of people, wildlife resources, and their environments. Research programs address regional/state needs and priorities, but also extend to international scales to serve the needs and interests of many concerned with natural resource use and its influence on the well-being of wildlife and humans.

9.3 Objectives

The overall goal of the CWRL is to train basic and applied wildlife researchers at the graduate and undergraduate levels. Consistent with this goal, CWRL faculty and staff work to maintain the unit's excellent record of research productivity and generating grant funds to support research and education. CWRL faculty and staff also work to maintain a cohesive, collaborative environment that fosters a very interactive group of students. The CWRL has a remarkable history of placement of graduates in career positions.

Key future objectives:

Fill the currently vacant faculty position in Wildlife Toxicology

Fill the vacant CWRL Director position.

Grow enrollment in the recently launched Professional Science Masters in Wildlife Administration and Management degree program.

Continue to identify emerging issues in wildlife management and ecology in order to determine research areas such that the CWRL will maintain its national and international recognition.

Maintain traditional areas of research funding through state agencies and a niche in applied wildlife research, while increasing numbers of successful large federal competitive grants and associated indirect funds.

Adapt and develop degree programs, tracks, and specializations that will keep CWRL graduates competitive for jobs and other graduate programs.

Maintain and upgrade shared resources (vehicles and other major equipment) to foster productive collaborations among faculty members in the CWRL and other units

Continue to develop and expand outreach and public education programs, such as the Graduate Research Assistants Supporting Science (Grass) program to address needs in southern Illinois beyond SIU.

10. Advisory Board

10.1 Advisory Board - Membership

There is no advisory board.

10.2 Number of Meetings (In This Year) 6 CWRL faculty meetings

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Grant funds generated		\$222,593
2. Peer-reviewed publications		40
3. Graduate students enrolled		26
4. Graduate students completed		5
5. Undergraduate researcher projects		16

Measure	Target for Year	Results in Year
---------	-----------------	-----------------

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

<p>Mike Eichholz: Instructor: Conservation Leaders for Tomorrow Member of the Mississippi Flyway Research Committee Member of the Mississippi Flyway Technical Committee MVP Canada Goose Working Group Member of the Upper Mississippi River Great Lakes Joint Venture Technical Committee and Waterfowl Sub-committee</p> <p>Jason Brown: Workshop at The City College of NY. March 13-14, 2019. Connecting paleoclimatology and biology</p> <p>Clay Nielsen: Research Associate, Conservation Ecology Center, Smithsonian Conservation Biology Institute Research Associate, Northern Rockies Conservation Cooperative International Union for the Conservation of Nature and Natural Resources Species Survival Commission Deer Specialist Group International Union for the Conservation of Nature and Natural Resources Species Survival Commission Lagomorph Specialist Group</p> <p>Matt Whiles: Society for Freshwater Science Fellow 2019 SFS Environmental Stewardship Award 2019</p>

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

<p>The CWRL maintains a productive, high quality research, training, and teaching program that is consistent with the SIU Strategic Improvement Plan’s vision of SIUC as developing “broad and carefully monitored graduate and research programs of high quality.” As outlined above, CWRL faculty members consistently receive external grant dollars, produce peer-reviewed publications, and produce undergraduate and graduate students that excel in the job market. The CWRL also enhances the mission of “public service... guided by its location in a region of small communities, farms, and mines” through research projects and outreach programs that address local issues related to game management, outdoor recreation, wildlife diseases, and nuisance wildlife species. The CWRL also supports SIUC’s “Pathways to Excellence” by enhancing the research status of SIUC and providing research and training opportunities for graduate and undergraduate students.</p>

11.4 Evidence of Support for Center/Institute Objectives

As outlined in 11.1 and 11.2 above, the CWRL continues to meet its annual objectives of securing significant external funding, producing high quality research products such as peer-reviewed publications and books, and graduating students that are competitive in their fields. These activities provide numerous opportunities for undergraduate and graduate students in the zoology and forestry programs. Graduate enrollment in the CWRL dropped during the state budget crisis because the Federal Aid funding, which supports much of the CWRL’s research and graduate training activities, was unavailable during this period. The fact that graduate enrollment is rebounding quickly reflects the solid reputation of the program.

11.5 Evidence of Organizational Effectiveness

The CWRL is currently under the direction of the former Interim Vice Chancellor for Research. The CWRL and SIU Center for Fisheries, Aquaculture, and Aquatic Sciences have combined their front office resources, support staff, and computing facilities to increase efficiency.

12. Institutional Assessment

12.1	Date of Last Review	<u>2018 internal and external reviews</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	<hr/>

RESOURCES: Cooperative Wildlife Research Laboratory					
Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues:					
State Appropriations	355,414.84	458,493.58	221,266.16	473,628.24	512,526.69
Local Accounts	92,553.44	76,128.29	28,557.18	80,647.29	111,656.72
Grants & Contracts	222,593.61	434,498.90	320,614.35	927,126.18	1,011,633.63
Total Revenues	670,561.89	969,120.77	570,437.69	1,481,401.71	1,635,817.04
Expenditures:					
Salaries	850,688.42	906,538.23	681,670.29	985,484.09	1,030,716.16
Wages	30,205.12	26,295.14	11,516.91	14,633.19	31,873.96
Travel	35,541.92	27,591.96	26,772.27	39,220.27	51,222.04
Equipment	3,325.92	1,027.99	(36,285.04)	32,470.93	117,567.00
Commodities	188,961.46	260,681.40	124,062.01	217,598.42	248,962.70
Contractual Services	59,597.45	58,987.69	52,255.67	206,667.35	139,969.11
Op/Auto	75,883.80	33,312.16	15,175.32	65,082.10	59,135.77
Telephone	13,081.46	2,987.60	3,053.86	3,764.01	5,826.86
Fringe Benefits	23,274.49	47,618.51	5,911.55	43,616.64	60,751.85
Indirect	155,889.78	150,297.27	48,848.67	209,114.61	155,976.22
Other	1,000.00	29,528.30	20,000.00	3,301.34	11,161.35
Total Expenditures	1,437,449.82	1,544,866.25	952,981.51	1,820,952.95	1,913,163.02
Revenue Minus Expenditures	(766,887.93)	(575,745.48)	(382,543.82)	(339,551.24)	(277,345.98)
* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.					
Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	5	7	5	5.2	5.2
Staff	71	54.3	21.3	49.8	66.7
Students	21	14.5	12	11.0	16.0
Graduate Assistants	8	13.5	8.8	14.0	13.3
Total Staffing	105	89.3	47.1	80.0	101.2

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale						
2.	Center/Institute	Fermentation Science Institute (FSI)						
3.	Date	3/25/2020						
4.	Director	Matthew McCarroll						
4.1	Telephone	618-453-7508						
4.2	E-mail	mmccarroll@siu.edu						
5.	Year Established	2014 (approved by IBHE)						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	Provost and Vice Chancellor for Academic Affairs						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Instructional</td> <td style="border: 1px solid black; text-align: center; width: 30%;">x</td> </tr> <tr> <td>Research</td> <td style="border: 1px solid black; text-align: center;">x</td> </tr> <tr> <td>Public Service</td> <td style="border: 1px solid black; text-align: center;">x</td> </tr> </table>	Instructional	x	Research	x	Public Service	x
Instructional	x							
Research	x							
Public Service	x							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Fermentation Science Institute (FSI) supports fermentation related activities through support and administration of the fermentation science *academic degree program*, the operation of the *FSI Service Laboratory*, support of the Illinois Food, Entrepreneurship, Research and Manufacturing (iFERM) Hub of the Illinois Innovation Network, support of fermentation related *research*, and *outreach* to fermentation related businesses and economic development.

9.2 Mission

The mission of the FSI is to support the students and faculty of Southern Illinois University Carbondale to advance knowledge in the associated areas of fermentation science and to transfer this knowledge through our educational programs, research activities and outreach to the region and fermentation related industries, which includes the production and analysis of alcoholic beverages, fermented foods and cheese, and industrial fermentation (energy and pharmaceutical).

9.3 Objectives

Administer and Support the Degree Program in Fermentation Science and Other Educational Activities. The Director, faculty and staff of the FSI will support and administer the Bachelor of Science degree in fermentation science, which is housed both physically and administratively within the FSI and seek opportunities to engage with other academic areas of campus.

Establish Professional Advisory Board. The Director of the FSI will continue establishing further industry contacts and to identify and invite appropriate individuals to serve on the advisory board of the Institute.

Encourage and Support Research Efforts. The Director will continue to work with the campus community to encourage research in the general area of fermentation science and to identify and support research that builds synergies and opportunities for students, faculty and industry partners.

Manage and Expand FSI Service Laboratory. The Director, in coordination with staff, will oversee operations of the Service Laboratory and will expand its impact and effectiveness to the campus community and the businesses served by the laboratory by expanding its outreach base and to provide a revenue stream supporting the mission of the FSI.

Maintain and Expand Infrastructure. The director will oversee efforts to maintain current infrastructure supporting the educational, research and outreach mission of the FSI, as well as leading efforts and identifying opportunities to expand the capabilities of the FSI to further its mission.

Engage in Fundraising and Promotion. The Director will continue to work with the SIU Foundation to identify and work with prospective donors to enhance the effectiveness and impact of the programs, activities, and infrastructure of the FSI. Additionally, the Director will actively promote the FSI and its objectives on both regional and national levels.

Promote Public Outreach and Engagement. The FSI will actively identify and support public outreach and engagement with the public for the purpose of supporting the objectives and mission of the FSI and SIU.

10. Advisory Board

10.1 Advisory Board - Membership

Professional Advisory Board (in progress)

Florian Kuplant – Brewmaster and Co-Owner, Urban Chestnut Brewing Company
 Mark Yocum – Technical Director, North America, Anheuser Busch InBev
 Paul Cobet – Anheuser Bush (retired)
 Alastair Pringle – Board Examiner, Institute of Brewing and Distilling
 Bradley Beam – Enology Specialist, Illinois Grape Growers and Vintner’s Association
 Eric Stamp – Corporate QA Manager, MillerCoors

10.2 Number of Meetings (In This Year) 0

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Fundraising	-	\$365
2. Research Projects	-	2

Measure	Target for Year	Results in Year
3. Sponsored/Hosted Events	2	6
4. Carbondale Brewfest	-	\$3,107
5. FSI related Grant Proposals Submitted	2	3
6. Grant Proposals Funded	2	1
7. Testing Services	\$15,000	\$15,484

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

Key targets/objectives and outcomes of the FSI include the following:

- Facilities and Infrastructure
 - Management of facilities that house the FSI in the McLafferty Annex on the Carbondale campus which include:
 - Administrative operations for the FSI
 - Teaching laboratories to support fermentation courses and the fermentation science degree program
 - Laboratories to support operation of the FSI Service Laboratory
 - Teaching classroom and tasting facility
 - Pilot brewery that supports teaching, research and outreach activities
 - Coordinated development of plans for expansion of facilities in the McLafferty Annex (in progress)
 - Fae Minor McGill Kitchen and Sensory Laboratory (provided by charitable donation to and in collaboration with Hospitality Management)
 - Malting Facility (secured through \$120,000 USDA grant)
 - Teaching Distillery (provided by \$90,000 industry donation)
 - Production brewery (industrial partnership with commercial brewery)
 - Proposed inclusion as a hub of the Illinois Innovation Network (\$5.5M grant pending)
 - Established infrastructure for business operations of the FSI, including support for the academic, research, outreach and event management activities of the institute
- Programmatic
 - Administered the 4-year BS degree in fermentation science, including the production of the first 3 graduates from the program
 - Developed and gained approval for new interdisciplinary course supporting the new interdisciplinary minor in Ancient Practices
- Research
 - Support of research activities in fermentation science
 - Spearheaded and supported multiple projects involving industry at the regional and national level, faculty and students from more that 6 departments and multiple colleges

- Analytical support for fermentation related research by campus faculty and students in the FSI Service Lab
 - Research and development support for fermentation and related industries
 - Service and Outreach
 - Expanded the FSI Service Laboratory, which is a fee-for-service 3rd party testing facility focused on analysis of alcoholic beverages
 - Obtained certifications from the Federal Tax and Trade Bureau for the analysis of beer, wine and spirits (one of only six 3rd party testing facilities certified for beer, wine and spirits nationally)
 - Has provided services for nearly 40 business, including services that helped to launch new business and products
 - Provides training and student work opportunities for students
 - Support of regional fermentation industry and economic development
 - Supports and Collaborates with the Illinois Grape Growers and Vintners Association (IGGVA) and the Shawnee Hills Wine Association
 - Member and collaborator with the Illinois Craft Brewers Association and the Master Brewers Association of the Americas (MBAA)
 - Co-Organizer of Carbondale Beer Festival
 - Outreach and professional consultation to fermentation businesses
 - Community outreach
 - Hosts numerous educational tasting events, events for homebrewers and support for receptions and activities for campus and community entities
 - Hosts workshops and tours for area high school students on fermented foods
 - Hosts and provides speakers for civic groups including the Kiwanis, Lions Club, Rotary and Chamber of Commerce, and the local food coop
 - Partnered with the Carbondale Main Street organization to host the Carbondale Brewfest (charitable event benefiting Carbondale Main Street organization and the Fermentation Science Institute)

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

Supporting the Illinois Public Agenda:
 The development of and activities by the Institute support several aspects of the Illinois Public Agenda. The core mission of the Institute is squarely aligned with Goal 4 *of integration of educational, research & innovation assets*. The degree program in fermentation science also supports Goal 1 of *Educational Attainment*. Based on the local, regional and national growth of the craft brewing sector, the planned programs and activities also contribute to Goal 3 of *High-Quality Credentials to meet Economic Demand*.

Supporting the SIU Board of Trustees Strategic Plan:
 The activities of the Institute related to program development and the initiation of new programs are well aligned with the Board of Trustees strategic themes of *promoting satisfaction and success*. The operation of the service laboratory, the coordination of student

internship opportunities, the unique niche of the degree program and the general outreach activities of the Institute all contribute to the Board's goal of *innovating to transform our state and region*, and the goal of *building a stronger system by developing alternative sources of revenue and additional revenue centers*, as well as theme of *developing our people and our places*.

Supporting the SIU Carbondale Strategic Plan:

The development of the Fermentation Science Institute facilities in the McLafferty Annex provides students and faculty with state-of-the-art laboratories and teaching space, which support several of the primary goals of the campus strategic plan to *contribute to student success*, and to *encourage research, scholarship and creative activities*. As a new, interdisciplinary institute with interdisciplinary programs, the FSI furthers the SIU strategic plan by acting to *strengthen campus community and community relations* by bringing together faculty interest from various departments and colleges in efforts to capitalize on untapped programmatic and research opportunities. By developing novel programs with an efficient, administrative structure, the Institute also contributes to the SIU strategic plan goal of improving *finance, infrastructure and resource allocation*.

11.4 Evidence of Support for Center/Institute Objectives

Administer and Support Degree Program in Fermentation Science and Other Educational Activities.

Recognition of Degree Program. In spring of 2017 the FSI received formal program recognition by the Master Brewers Association of the Americas as one of six 4-year degree programs in North America. The program is the only recognized program in the central region of the country.

Develop Articulation Agreements. Transfer students constitute an important part of the student body at SIU. By developing articulation agreements with select community colleges we can help to ensure that students are well prepared to succeed at SIU. In conjunction with the Articulation and Outreach Office, we have developed articulation agreements with Richland Community College and Oakton Community College, and anticipate development of additional agreements in the future.

Faculty Hires. The FSI completed hires for two faculty with partial appointments in the FSI. Dr. Katherine Witrick joined SIU in January of 2017 as a joint hire with appointments in Animal Science, Food and Nutrition in the Hospitality Management and Tourism program. She has a 25% appointment in FSI and teaches courses for the Fermentation Science degree program. The FSI managed the search process and developed the offer in consultation with the Deans of Agricultural Sciences and Science, along with securing necessary startup commitments for competitive offer. Most recently, the FSI assisted in recruiting and developing a successful offer to bring in a new faculty member in August of 2019. The hire will be a joint appointment with the Departments of Microbiology and Plant Biology, with a 25% appointment in the FSI.

General Promotion of FSI and degree program. Significant effort was placed on promoting the FSI and the degree program, including attending state and national meetings. With the launching of the degree program the Director participated in multiple radio, television and newspaper interviews at the regional and national level and has given dozens of invited presentations to various professional and community organizations.

Support of Other Academic Opportunities. The FSI actively engages with other departments and academic programs. In a recent success, the FSI director serves as co-PI on a \$100,000 grant from the National Endowment for the Humanities to develop a new interdisciplinary minor in ancient practices, with the goal of attracting STEM students toward coursework in the humanities.

Establish Professional Advisory Board.

The advisory board has been filled to a nearly functional level. The topic gaps that are missing are in industrial and pharmaceutical fermentation. Discussions have started and are ongoing with several companies in these areas with the aim of building partnerships and defining roles on our advisory board.

Encourage and Support Research Efforts

The FSI serves a central role in bringing together fermentation related research projects on campus and with industry partners. Faculty from several departments and colleges are involved in various research projects and have developed grant proposals.

FSI Enabled Grant Proposal Submissions in FY19:

“Ancient Practices”, NEH, Mont Allen (PI), Gretchen Dabbs, Lynn Gill, Matthew McCarroll, Ken Anderson, Jon Davey, Robert Hahn, Frances Harackiewicz, \$100,000, 6/1/2019-5/31/2022 [submitted fall 2018, FUNDED]

“McLafferty Collaborative Research Facility Integrated Food, Health, and Value-Added Agriculture Hub, Matthew McCarroll, Lynn Lindberg, and Karen Midden, \$5,000,000, Internal Concept Paper for Discovery Partners Institute and the Illinois Innovation Network [submitted December 2018, selected for development and submission to Discovery Partners Institute]

“Integrated Food, Health, and Value-Added Agriculture Hub, University of Illinois Discovery Partners Institute (DCEO), Matthew McCarroll (Lead PI), Karen Midden(co-PIs), Kyle Harfst(co-PIs), Jim Garvey(co-PIs), and Lynn Lindberg (co-PIs), 6/1/2019-6/30/2021, \$5,000,000 (\$400,000 match) [submitted 1/7/2019, preproposal, invited for full submission]

“Illinois Food, Entrepreneurship, Research and Manufacturing (iFERM) Hub, University of Illinois Discovery Partners Institute (DCEO), Matthew McCarroll (Lead PI), Karen Midden(co-PIs), Kyle Harfst(co-PIs), Jim Garvey(co-PIs), and Lynn Lindberg (co-PIs), 6/1/2019-6/30/2021, \$5,000,000 (\$400,000 match) [submitted 2/15/2019, pending]

We also have an ever-increasing number of students involved in research that is facilitated by the FSI. Honors projects for students in chemistry have been facilitated in

the FSI, including participation of Kevin Smith, a senior lecturer in the Department of Chemistry and Biochemistry. Additionally, students majoring in fermentation science are required to obtain formal research credit working with faculty. These activities have been supported by the FSI. Other research activities involve industry collaborators. For example, the FSI organized and conducted research projects that represented a collaborative effort involving three breweries that utilize wild and mixed yeast cultures in their brewing. The participating breweries included a nationally recognized local brewery (Scratch Brewing) and two other breweries from North Carolina (Fonte Flora Brewing Company) and Texas (Jester King Brewing Company). The research project involved fermentation science students enrolled in an independent research course for credit plus faculty and staff from chemistry, microbiology and the Fermentation Science Institute. In addition, the FSI supports research activities of our faculty and students in other programs.

Manage and Expand FSI Service Laboratory.

Efforts are ongoing to establish a network of customers, which will provide service for the industry while providing revenue and training grounds to further the educational opportunities of our students and majors. The laboratory became formally certified by the Tax and Trade Bureau of the U.S. Government for the analysis of wine and beer in Fall 2016 and obtained full certification for beer, wine and distilled spirits during FY 17. During this time the service lab experienced a significant increase in request for services, contributing to an activities revenue of nearly \$20,000 in FY17.

Maintain and Expand Infrastructure.

At the time the FSI was launched, physical infrastructures were not yet in place to fully support its operations. Following formal recognition of the FSI by the IBHE, initial activities focused on securing funding and overseeing design/construction for the facility that now houses the Fermentation Science Institute. During FY17 the laboratories of the FSI were completed and commissioned into operation, which enabled use of dedicated teaching facilities for the newly approved degree program. In addition, the facilities have been used to host a number of workshops for high school students and community members. Interest in our facility has been significant and multiple tours and activities are facility each year.

Pilot Facilities. Pilot facilities are either complete and in place or are in various stages of planning and implementation. The Director was Principle Investigator (with the Vice Chancellor for Research and the Executive Director of the SIU Research Park now serving as co-leads) on an infrastructure grant that has been submitted to the Illinois Innovation Network as part of the Discovery Partners Institute, which would provide \$5.5M in funding to build out remaining infrastructure that will support facilities in the FSI, as well as other units as part of the proposed *Illinois Food, Entrepreneurship, Research, and Marketing (iFERM) Hub*. The supported current and pending pilot facilities are listed below. *[An announcement of funding for the project was released in FY20]*

Pilot Brewery. A ½ barrel brewery was established and is operational. The system serves as a primary teaching and research tool for faculty and students

in the fermentation science program, as well as research and collaborations with industry partners.

Pilot Distillery. The Director secured a commitment from Artisan Still Designs to donate a custom designed multi-column distillery. The value of this donation is on the order of \$90,000. Internal commitments have been secured from the College of Science to build out suitable space in the McLafferty Annex to house the distillery. This represents a unique opportunity to differentiate the program and provide world-class training to our students, as well as outreach training and workshop opportunities. The equipment is onsite and will be put into operation as the necessary infrastructure is put in place.

Malting Facilities. The FSI director worked with local regional development and the regional USDA office to develop plans for a pilot malting facility. This resulted in the submission of a grant to develop and place a facility within the FSI. The grant was submitted in FY17 and was awarded (\$120K) during FY18. The malting facility will serve as both a training hub and a demonstration to support and spur economic development in value-added agriculture.

Fae Minor McGill Teaching Kitchen and Sensory Laboratory. The FSI continues to support efforts toward completion of the Fae Minor McGill Teaching Kitchen and Sensory Laboratory, which is based on the vision and bequest of the late Fae Minor McGill. As a collaborative effort with the Department of Animal Science, Food and Nutrition, plans have been developed to build a teaching kitchen and sensory laboratory in the McLafferty Annex. The project will result in a commercial style kitchen and formal sensory laboratory that will be used by multiple departments for teaching, research and outreach activities. The infrastructure proposed in the *iFERM Hub* will support and allow completion of this resource.

Public Outreach and Engagement.

Carbondale Beer Festival. The FSI carried out its 4th year of partnering with the Carbondale Main Street organization to organize the Carbondale Beerfest. The FSI helps to facilitate participation of regional breweries. In addition, the FSI has hosted a lunch and formal tour of the FSI facilities for professional brewers attending the festival. The festival typically draws over 700 attendees with ½ of the net proceed benefiting the activities of the FSI.

The FSI also hosts various activities engaging the local community, including educational tasting events, partnering with the local homebrew club (hosting meetings and competitions). The FSI also co-sponsors the SIU Farm to Fork event, which is a semi-annual, sold-out event for 150 students, faculty, staff and community members. A coursed meal made from locally grown ingredients is paired with locally produced wine and beer. The FSI curates the pairings and its staff and students facilitate the service and alcohol related activities of the event.

11.5 Evidence of Organizational Effectiveness

FY19 was a period of rebuilding for the FSI. Resignations of key staff members and inadequacies of the candidate pool in the civil service system left operation of the institute largely to the director for much of the year. Despite these challenges, the institute maintained and expanded the fermentation degree program and its offerings and maintained normal business operation of the FSI Service Laboratory. Fortunately, by the end of FY2019 an excellent and experienced office administrator was hired and in the fall of 2019 an extremely capable and experienced laboratory operations coordinator was brought into the institute. The state of overall business operations is now strong and growing.

The FSI has also acted in a centralized role for the other occupants and activities of the McLafferty Annex and plays a key role enabling cross-college efforts related to fermentation. During this period the FSI played a lead role in planning infrastructure expansion in the McLafferty Annex.

12. Institutional Assessment

12.1	Date of Last Review	<u>IBHE approval for permanent status pending</u>
12.2	Decision at Last Review	<input type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	<u>IBHE approval for permanent status pending</u>

RESOURCES: (Fermentation Science Institute)

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	184,712.22	142,075.58	59,517.97*	166,242.25	151,764.10
Service Lab	15,484.19***	**15,640.96	19,829.72	1,234.00	0
Overhead Recovery (expenditure)	15,000.00	6,266.02	2,598.22	15,500.00	0
Course Fees	1,380.00	1,455.00	NA	NA	NA
Awards and Grants	53,244.47	120,427.00	NA	NA	NA
Total Revenues	269,820.88	285,864.56	81,945.91	182,976.25	151,764.10
Expenditures*					
Salaries	153,884.72	132,854.58	139,451.69	121,578.83	102,787.94
Travel	12,112.33****	4,690.15	2,254.28	6,292.68	1,193.75
Equipment	53,315.70	3,678.80	1,576.21	19,609.16	24,469.92
Commodities	14855.00	14,065.05	9,886.78	17,203.32	6,488.09
Contractual Services	9129.94	8,477.80	13,711.35	16,388.68	4,045.68
Awards and Grants	0	0	0	1,443.00	54.75
Telecommunications	613.26	962.31	960.00	585.30	116.48
Course Fees	1,839.16	1,075.58			
Total Expenditures	245,750.11	165,804.27	167,840.31	181,657.97	139,156.61
Revenue Minus Expenditures	24,070.77	120,060.29	-85,894.40*	1,318.28	-12,607.49

* Negative balance is a result of retroactive sweep of state account following state budget crises. State budget was on track for a balanced closeout and revenue from the Service Lab would have been positive.

** Represents a beginning cash balance of \$6,632.60.

*** Represents a deficit of \$2,273 balanced by accounts receivable in FY20.

****Includes travel related to equipment transportation.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	.5	.25	.25	0	0
Staff	2.5	2.5	1.5	1.5	1.5
Total Staffing	3.0	2.75	1.75	1.5	1.5

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale
2.	Center/Institute	Illinois Soybean Center (ISC)
3.	Date	March 25, 2020
4.	Director	Jason P. Bond
4.1	Telephone	618-453-4309
4.2	E-mail	jbond@siu.edu
5.	Year Established	1997
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	College of Agricultural Sciences
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

- The Center for Soybean Research, Teaching and Outreach (CESRTO) was established in 1997.
 - Intent was to develop a center without walls.
 - Developed a proposal for state appropriation to hire a plant pathologist and a plant geneticist to fulfill curriculum and research deficiencies.
- Illinois Soybean Association established an endowment of \$500,000 in 2005.
 - CESRTO began to function as a center with proceeds from the endowed funds and the annual match from the Chancellor's office.
- The name was changed to Illinois Soybean Center (ISC) in 2008.

9.2 Mission

Development of technologies using an interdisciplinary approach to enhance soybean production in Illinois and in the North Central Region, increase soybean utilization by the global community, contribute to the base of scientific knowledge, and educate human capital.

9.3 Objectives

- 1) Conduct research on soybean that increases basic knowledge and contributes practical solutions to stakeholder problems.
- 2) Develop new soybean cultivars and germplasm that enhance production and value.
- 3) Facilitate technology transfer of research outcomes to growers, to the soybean industry, and to consumers.
- 4) Establish consortia with public and private organizations to enhance research, teaching and outreach for mutual benefit.
- 5) Encourage multi-disciplinary research and improve external funding opportunities.

10. Advisory Board

10.1 Advisory Board - Membership

Faculty Advisory Board: Represents over 25 Faculty Members from multiple colleges			
Agribusiness Economics	Dwight Sanders	Medical Physiology	Buck Hales
Animal Biotechnology	Ed Heist	Plant Biology	Andrew Wood
Animal Nutrition	Gary Apgar	Plant Breeding	Stella Kantartzi
Biotechnology	David Lightfoot	Plant Pathology	Ahmad Fakhoury
Food and Nutrition	Dawn Null	Weed Science	Karla Gage
Engineering/Technology	Kanchan Mondal	Soil Science	Amir Sadeghpour
Microbiology	Scott Hamilton-Brehm		
Board of Directors:			
1. Associate Dean, COAS			
2. Chair, Department of Plant, Soil, and Agricultural Systems			
3. Chair, Department of Animal Science, Food and Nutrition			
4. Chair, Department of Agribusiness Economics			

- | |
|--|
| 5. Fisheries and Illinois Aquaculture Rep |
| 6. Faculty Rep |
| 7. Illinois Soybean Association Executive Director |
| 8. Illinois Soybean Association Chairman |
| 9. Illinois Soybean Association District Rep |
| 10. Dean, COAS - Ex Officio |

10.2 Number of Meetings (In This Year) 0

11. Annual Performance

11.1 Performance Measures *

Measure	Previous Year	Results in Year
1. Publications	31	22
2. Public Service Activities (Field Days, Conferences, workshops, etc.	44	24
3. National/Regional Research Projects or Working Groups	15	18
4. Graduate Students Trained (MS and PhD)	26	22
5. Undergraduate Student Workers Trained	33	38
6. Undergraduate Leadership Training (Agronomy Honor Society)	59	55
7. Undergraduate Job Placement/Graduate School	21	11
8. Graduate Students Job Placement/Graduate School	12	9
9. Grant Dollars	\$5,493,186	\$2,455,216
10. Internships	7	10

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

- | |
|--|
| <p>(briefly summarize center/institute’s major accomplishments for the year)</p> <ul style="list-style-type: none"> • The Director met with United Soybean Board, North Central Soybean Research Program, and Soybean Centers Directors from Iowa, Missouri, Indiana, and Ohio. <ul style="list-style-type: none"> – Discussed initiatives and scope of each center and funding opportunities – Developed an initiative for communication efforts that would serve each center – The Agronomy Society undergraduate students participated in the 2018 meeting in Baltimore, MD. The club ranked 6th in the nation among the Land Grant Universities for club activities and community involvement, and individually one of the participating students was 1st in the nation for the Internship Competition. • The Illinois Soybean Center helped host the Belleville Farmer Field Day – 250 participants |
|--|

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

In review of the general expectations for Centers and Institutes for the SIU System, the Illinois Soybean Center has evidence of support for these expectations set forth in table 11.1:

Create and transfer knowledge to students and other learners –

Offer students and other learners opportunities to apply knowledge to the real world –

The Center trained 66 undergraduates, and over 1,150 industry, alumni and soybean stakeholders in the past year. Center faculty also helped place 20 undergraduate and graduate students with jobs, internships and positions at other universities.

Support graduate and professional students – Faculty research grants led to the support of 22 graduate students (MS and PhD).

Support undergraduate research activity – Faculty research grants led to the support of 38 undergraduate student researchers.

Enhance the university’s external reputation – Faculty were engaged with 18 National/Regional Research Projects. Faculty also contributed via publications, public service activities across the state of Illinois, and secured millions in research funding.

Engage and contribute to the welfare of the people we serve – Faculty presented workshops and field day presentations to over 1,150 people representing industry, alumni and soybean stakeholders. Faculty are actively involved in recruitment, retention and placement.

Translate research finding to useable products and services for academia and the public – Faculty research grants led to 22 publications in scientific journals and also provided crop management recommendations via extension talks and publications.

Maintain a minimal critical mass of faculty – Over the last 5 years, the number of faculty involvement in soybean research has been affected by a reduction in state research funding. Several faculty have diversified their research portfolios. However, the total number of faculty available for soybean research has not changed over the last 3 years.

11.4 Evidence of Support for Center/Institute Objectives

Conduct research on soybean that increases basic knowledge and contributes to practical solutions of stakeholder problems - This is evident by the amount of research grant funding and the number of publications. Faculty at SIU have a great reputation among the funding agencies and review boards of professional journals.

Develop new soybean cultivars and germplasm that enhance production and value - SIU did not release new soybean cultivars and germplasm in this reporting cycle, but historically this has been a hallmark of the soybean research program at SIU.

RESOURCES: Illinois Soybean Center

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations		-	-	179,319.36	157,181.91
Income Fund		-	-	-	-
Grants & Contracts (faculty research activity)**	2,455,216.00	5,493,186.00	2,067,169.00	2,370,269.00	2,259,488.00
University Match on Interest from Endowment***	20,542.51	82,138.29	-	-	20,530.00
Distribution from Endowment	20,542.51	20,535.29	20,535.20	20,534.59	20,534.58
Total Revenues****		-	-	199,853.95	198,246.49
Expenditures*					
Salaries		-	-	214,507.03	156,933.67
Fringe Benefits		-	-	-	-
Travel		237.14	-	-	-
Equipment		-	-	-	-
Commodities		-	-	-	-
Contractual Services		-	-	-	95.55
Award and Grants (Grad As. Fee)		-	-	284.70	109.50
Operation of Auto		-	-	-	-
Telecommunications		-	-	-	-
Total Expenditures		-	-	214,791.73	157,138.72
Revenue Minus Expenditures		-	-	41,107.77	4,380.54

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

** Faculty research activity associated with Center. Not direct funding to the Center.

** University Match received in 2018 includes the matches for FY14, FY15, FY16.

**** Total Revenues does not include Grants and Contracts, that are managed by faculty.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	-	-	-	1.53335	1.0187
Staff	-	-	-	0.875	0.499
Total Staffing	-	-	-	1.6459	2.1831

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale
2.	Center/Institute	Materials Technology Center (MTC)
3.	Date	March 24, 2020
4.	Director	Ian Ivar Suni
4.1	Telephone	618-453-7822
4.2	E-mail	isuni@siu.edu
5.	Year Established	1983
6.	Illinois State Statute (if pertinent)	Unknown
7.	Reporting Unit	Office of the Vice Chancellor for Research
8.	Type	Activity (check all that apply)
	Instructional	Aspirational
	Research	XX
	Public Service	

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Materials Technology Center was established in 1983 as a result of a high-technology thrust by the state of Illinois. Charged with stimulating Materials-related research on the campus of SIU, the center accomplishes this mission through initiating interdisciplinary research in the Colleges of Engineering and Science, disseminating results to researchers in academia, industry, and national laboratories, and organizing Materials seminars and discussion groups. The center encourages research in new areas by administering competitive seed grant programs that fund projects for faculty entering new areas of materials research and provides technical, administrative and financial support to start-up and established research programs. A historical strength of the center has been research in the area of carbon-carbon composites, but the center has expanded its leadership and expertise in carbon science to include areas such as carbon nanotubes and development of carbon material precursors. New areas of emphasis include Materials Design by Iterative Computation, Synthesis and Characterization; Sensors, Biosensors, and Biointerfaces; and Energy Storage. Other research programs included catalysis, magnetic materials, materials for alternative and traditional energy, polymers, chemical vapor deposition and infiltration, inkjet and wax printing, mechanical behavior or cells, and metal-organic frameworks. Under the guidance of established experts, students associated with MTC receive hands-on training and valuable experience. The total program of the center offers an opportunity for students at all levels of experience to train in the fields of Materials Science and Engineering. The web address for the Materials Technology Center is <http://mtc.siu.edu/>

9.2 Mission

The mission of the Materials Technology Center is to advance and develop new technologies involving the synthesis, processing, understanding, and application of advanced materials in order to address the Grand Challenges facing humanity, and to provide students with the necessary education and training to address these Challenges. These Grand Challenges include economical solar energy and other alternative energies; improved medicines and biomedical technologies, including those involving the human brain; carbon sequestration; reduced greenhouse gas emissions and environmental remediation; improved clean water technology; finding sustainable alternatives to rare earth elements, and other scarce elements of technological importance; and advancing scientific inquiry.

9.3 Objectives

We endeavor to:

- Invite outside seminar speakers and guests in the field of Materials Science and Engineering (MSE) to SIUC to enable greater understanding of the various MSE sub-disciplines by our students and faculty. This is particularly valuable for the three research focus areas of the Materials Technology Center: Materials Design by Iterative

Computation, Synthesis and Characterization, Sensors and Biosensors, and Energy Storage.

- Provide editorial advice, matching funds, and other assistance as needed for Materials faculty to write grant proposals to federal agencies, state agencies, foundations, and industry as needed. This provides a sustainable feedback mechanism due to the indirect cost return agreement for 5% of the OVCR share for MTC faculty projects back to the MTC.
- Provide periodic support for seed grants to MTC faculty to aid in their ability to start research projects in new fields, and subsequently obtain external grant funding.
- Provide periodic guidance and advice into emerging areas within Materials Science and Engineering research as need for MTC faculty.
- Support an active Materials Research Society University Chapter at SIUC. This was a specific suggestion from our 2014 IBHE review.
- If possible, start appropriate graduate curricula in the field of Materials Science and Engineering. This is another specific suggestion from our 2014 IBHE review. The Materials Technology Center awaits further action by the administration of SIUC to implement a sustainable funding mechanism for such graduate programs.
- If possible, depending on budgetary constraints, lobby for and support the acquisition of advanced equipment for Materials characterization and Materials processing.

10. Advisory Board

10.1 Advisory Board - Membership

Dr. Punit Kohli, Professor of Chemistry and Biochemistry
 Dr. Michael Lydy, Professor of Zoology, and Adjunct Professor of Chemistry and Biochemistry
 Dr. Shaikh Ahmed, Professor of Electrical and Computer Engineering
 Dr. Lichang Wang, Professor and Chair of the Department of Chemistry

10.2 Number of Meetings (In This Year) 1

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Host outside seminar speakers	2	3
2. Peer reviewed publications by MTC faculty	50	54
3. Research grants obtained by MTC faculty	1	1
4.		
5.		

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

The Materials Technology Center hosts a series of academic seminars, bring internationally renowned researchers to campus to meet with SIUC students and faculty. During FY 19, seminar speakers included:

- Prof. Rohan Mishra, Department of Mechanical Engineering and Materials Science, Washington University. Seminar entitled, "Designing Functional Materials with Engineered Defects One Atom at a Time," on October 2, 2018. Co-sponsored with the Department of Mechanical Engineering and Energy Processes at SIUC.
- Prof. Andrew Ferguson, Institute for Molecular Engineering, University of Chicago. Seminar entitled, "Machine Learning and Data Science for Understanding and Design in Colloidal Assembly and Protein Folding," on January 18, 2019. Co-sponsored with the Department of Chemistry and Biochemistry at SIUC.
- Prof. Elif Ertekin, Department of Mechanical Science and Engineering, University of Illinois at Urbana-Champaign. Seminar entitled, "Disorder Effects on Vibrational Transport in Energy Materials," on February 19, 2019. Co-sponsored with the Department of Mechanical Engineering and Energy Processes at SIUC.

The Director of the Materials Technology Center is faculty adviser for the University Chapter of the Materials Research Society (MRS) at Southern Illinois University Carbondale (SIUC). During FY19, the MRS University Chapter hosted a series of luncheon meetings at which different SIUC graduate students and faculty members made presentations about their Materials research to the other students in the MRS University Chapter.

The students of the MRS chapter also visited Toyota Motor Manufacturing in Princeton, IN and Argonne National Laboratory (ANL) in Lemont, IL. They planned a future visit during FY20 to the Materials Research Laboratory at the University of Illinois at Urbana-Champaign.

The students of the MRS chapter also participated in a Materials Technology Center poster session on Monday, December 3, 2018. On display in the Corker Lounge were 28 posters from a variety of Departments on campus. Two graduate students tied for first place, and shared the \$200 award:

- Waseem Hussain, Department of Chemistry and Biochemistry, "Cyclopentannulation and Cyclodehydrogenation of Isomerically Pure 5,11-Dibromoanthradithiophenes leading to Contorted Aromatics."
- Kshitij Amar, Department of Mechanical Engineering and Energy Processes, "A QCM-Based Investigation Reveals Living Cell Loading Rate via Integrins during Early Cell Adhesion."

During FY19, as part of the ongoing SIUC campus reorganization, the Director participated in a series of meetings to discuss the creation of new curricula in two fields: Chemical Engineering, and Materials Science and-or Engineering. The latter field is the discipline around which the Materials Technology Center is organized. The former field is one in which the Director has a B.S. degree, and 20 years of experience as a Professor at another university. Although the

Director reports to the OVCR, rather than to the Provost, he was invited to these meetings through his appointments in the Department of Chemistry and Biochemistry, and the Department of Mechanical Engineering and Energy Processes (MEEP). He attended the following meetings:

- Meeting of MEEP faculty with the Provost on July 16, 2018.
- Meeting of MEEP faculty with the Associate Provost for Academic Administration on January 30, 2019.
- Meeting of Chemistry faculty with the Provost on February 15, 2019.

Discussions on how to start new programs in these fields continued into FY20.

During Summer 2018, we aided with administration and support, including financial support, the Materials Research and Education for Undergraduate (REU) program funded by the National Science Foundation (NSF) through a grant to two faculty Members (Dr. Saikat Talapatra and Dr. Boyd Goodson) of the Materials Technology Center. This involved hosting 16 undergraduate students doing Materials Science and Engineering research with a variety of SIUC faculty in different Departments (Chemistry & Biochemistry, Physics, Mechanical Engineering and Energy Processes, Civil and Environmental Engineering).

During FY19, the MTC Director did the following university service:

- Reviewed for SIU system-wide seed grant competition for faculty research collaborations in Human Health between SIU Carbondale, SIU Edwardsville, and SIU School of Medicine.
 - Chancellor's Scholar weekend, poster presentation on Materials Science and Engineering research at SIUC.
 - Served on OCVR Industry Partner Council for Research and Development at SIUC.
 - Served on OVCR Steering Committee to Identify Signature Research Programs at SIUC.
 - Faculty Search Committee, Department of Mechanical Engineering and Energy Processes.
-

At the urging of the Interim Vice Chancellor for Research, Dr. James Garvey, formed an External Industrial Advisory Board during summer 2018. The goal of this new IAB was to plan for and lobby for a cluster hire in the field of Materials Science and Engineering, which we expected might be viewed favorably by Chancellor Carlo Montemagno. IAB members included:

- Dr. Steven Shaffer, Bruker Corp.
- Parfait Likibi, Henkel Corp. (through Kyle Harfst, used to work at GE Plastics)
- Dr. Michael Pugia, Indiana Biosciences Research Institute
- Dr. Edmond Seebauer, Department of Chemical and Biomolecular Engineering, University of Illinois at Urbana Champaign
- Dr. Abhinav Tripathi, Intel Corp.
- Dr. E.J. Taylor, Faraday Technology

We had a videoconference meeting through the Center for Teaching Excellence on Friday, September 28, 2019. The purpose of this meeting was to introduce all the IAB board members to each other, and to discuss the possible cluster hire.

On Friday, March 29 2019, the Director made a presentation on Electrochemistry to the AP Chemistry class at Carterville High School (CHS), following an invitation by Mrs. Jennie Gibbs, who teaches this course at CHS.

Throughout the year, the Director meets with various faculty at SIUC involved or interested in research into Materials Science and Engineering. Discussions include their research, research of other faculty in different Departments and Colleges, and how the Director might be able to facilitate interdisciplinary collaboration. This might include forwarding relevant papers, identifying research programs to which one might apply, and assistance with editing proposals.

11.3 Evidence of Support for Illinois Public Agenda, SIUC Board of Trustees, and SIUC Campus Strategic Planning

The Materials Technology Center strives to aid the SIUC administration, faculty, students, and other stakeholders to accomplish the goals outlined in our Strategic Plan. For example, among the values described in our Strategic Plan are:

- We are proud of our status as a nationally ranked public research university
- We pride ourselves on innovation in research and creative activity

All of the activities described elsewhere in this Report are focused on maintaining our status as a nationally ranked public university, and increasing the quality and quantity of our research and creative activity. The Strategic Plan also identifies two important goals:

- Enhance research, scholarly and creative activity productivity to the benefit of students, community and other University stakeholders.
- Enhance our reputation for providing cutting-edge graduate and undergraduate research opportunities.

The Materials Technology Center is primarily focused around these goals through our various scholarship-focused activities.

11.4 Evidence of Support for Center/Institute Objectives

All of the activities described in this report are planned and executed to support the Center objectives that are outlined above. These include:

- Bring in outside seminar speakers and guests in the field of Materials Science and Engineering (MSE) to SIUC to enable greater understanding of the various MSE sub-disciplines by our students and faculty. This is particularly valuable for the three research focus areas of the Materials Technology Center: Materials Design by Iterative Computation, Synthesis and Characterization; Sensors, Biosensors, and Biointerfaces; Energy Storage.
- Provide editorial advice, matching funds, and other assistance as needed for Materials faculty to write grant proposals to federal agencies, state agencies, foundations, and industry as needed. This provides a sustainable feedback mechanism due to the indirect cost return agreement for 5% of the OVCR share for MTC faculty projects back to the MTC.
- Provide periodic support for seed grants to MTC faculty to aid in their ability to start projects in new fields, and subsequently obtain external grant funding

11.5 Evidence of Organizational Effectiveness

This is thoroughly documented in the remainder of this Report.

12. Institutional Assessment

12.1	Date of Last Review	IBHE review conducted during FY 14 by Dr. James Allen, SIUC Associate Provost for Academic Programs
<hr/>		
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)
<hr/>		

RESOURCES: Materials Technology Center

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	75486	75486	75426	88725	88725
Income Fund-Overhead	23000	23431			
Grants & Contracts	0	3731	17193		
COS New Faculty Startup					100000
Total Revenues	98486	102648	92619	88725	188725
Expenditures*					
Salary	75486	75486	75486	75486	75486
Other than salary	13000	22480	17193	13239	13239
xxx					
Total Expenditures	88486	97966	92679	88725	188725
Revenue Minus Expenditures	10000	4682	0	0	0

0

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	1	1	1	1	1
Staff	0	0	0	0	0
Total Staffing	1	1	1	1	1

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University School of Medicine
2.	Center/Institute	SIU Neuroscience Institute (NSI)
3.	Date	1/20/20
4.	Director	James M. Gilchrist, M.D.
4.1	Telephone	217-545-7226
4.2	E-mail	jgilchrist@siumed.edu
5.	Year Established	Academic Year 2015
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	Southern Illinois University School of Medicine
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The SIU Neuroscience Institute (NSI) is a public service institute providing advanced multispecialty clinical care for patients with neurological disorders and/or mental health conditions. The NSI is a collaboration of SIU School of Medicine's physician practice organization (SIU Medicine) and Memorial Medical Center (MMC), a principal affiliated teaching hospital of the medical school in Springfield. The NSI coordinates the patient care services of the school's existing Department of Neurology, Department of Psychiatry, and the Division of Neurosurgery while collaborating with MMC's neuroscience-related outpatient and inpatient services and facilities.

The institute's physicians, health care staff, and other professionals provide advanced, coordinated treatment to patients throughout central and southern Illinois who suffer from complex, debilitating neurological or mental disorders. While the institute's focus is primarily patient care oriented, the NSI provides opportunities and resources for neuroscience-related research, medical and community education, and community outreach. As an institute based in an academic medical center, the NSI is advancing the translation of new and emerging basic research and the application of new medical products and technologies into improved patient care.

The vision of the NSI is to be housed in a single facility on the SIU School of Medicine/ Springfield campus, unifying the outpatient clinical services, research, education and operations related to the above-noted clinical departments and divisions. Once the NSI is fully implemented, patients will have seamless availability within one site to neuroscience and spine specialists, ancillary services, case management and clinical trials, all sharing common scheduling, billing and electronic health record systems. Quality and safety measures, outcomes, patient satisfaction, cost of care, and value will be substantially improved.

9.2 Mission

The SIU Neuroscience Institute's mission is to provide superior comprehensive care for diseases of the nervous system based upon best practices, organized according to disease, and provided in a multidisciplinary environment. Health care coordination, quality monitoring, and shared operations will result in an efficient and seamless patient experience, better outcomes, a lower cost of care, and enhanced value.

9.3 Objectives

Objectives of the SIU Neuroscience Institute include:

- Clinical Objectives: The institute coordinates adult neurology, neurosurgery, psychiatry, and related ancillary services. The institute develops disease-specific multidisciplinary clinics to improve diagnostic services and treatment as well as improve the patient's experience. Other outcome metrics include
- Dementia: Education and Support of Caregivers for Patients with Dementia
- Dementia Associated Behavioral and Psychiatric Symptoms Screening and Management
- Dementia: Safety Concern Screening and Follow-Up for Patients with Dementia
- Adult Major Depressive Disorder (MDD): Coordination of Care of Patients with Specific Comorbid Conditions
- Depression Remission 6 months

- Tobacco Use and Cessation Counseling
 - Medication Reconciliation
 - Falls: Screening for Future Fall Risk
- Patient Objectives: The institute enhances the patient’s experience through coordination of patient and support services, and develops shared patient scheduling and registration processes to ease access. Outcome metrics include monitoring patient access and clinic utilization rates.
 - Quality Objectives: Quality objectives include patient satisfaction metrics; improved physician and staff recruitment, retention, and satisfaction; improved operating efficiencies; and financial sustainability through coordination among institute departments.
- The SIU Neuroscience Institute is designed to produce significant clinical, patient, operational and financial benefits. The NSI is the only regional and academically-based neuroscience institute in central or southern Illinois.

10. Advisory Board

10.1 Advisory Board - Membership

The NSI Steering Committee provides advice and oversight to the institute’s leadership.

NSI Steering Committee members in FY2019 include:

- James Gilchrist, MD, Professor and Chair, Neurology, SIU School of Medicine (Executive Director)
- Jeffrey Cozzens, MD, Professor and Division Chair, Neurosurgery, SIU School of Medicine
- Kari Wolf, MD, Associate Professor and Chair, Psychiatry, SIU School of Medicine
- Michael Neumeister, MD, Professor and Chair, Surgery, SIU School of Medicine
- John Horvat, Associate Provost for Finance and Administration, SIU School of Medicine
- Mary Stewart, Chief Operating Officer for SU Healthcare
- Kevin England, Vice President for Business Development, Memorial Medical Center
- Evan Davis, Administrator, Orthopedic Services and Neurosciences, Memorial Medical Center
- Charles Callahan, PhD, Executive Vice President and Chief Operating Officer, Memorial Medical Center
- Greg Jensen, LCSW, Administrative Director, NSI/SIU School of Medicine
- Lisa Price, Assistant to the Chair of Surgery, SIU School of Medicine

10.2 Number of Meetings (In This Year) 4 - Steering Committee

11. Annual Performance

11.1 Performance Measures *

Measure ¹	Target for Year	Results for Year
1. Patient Encounters – Visits	68,000	58,036
2. Total Patients Served – Unduplicated Count	16,000	15,808
3. New Patients Served – Unduplicated Count	3,600	3,567

* Center/institute-defined measures and targets. Data only include patient services and exclude clinical trial data, publications and public service contributions.
Data source: SIU Healthcare Business Reporting Portal.

1. The SIU Neuroscience Institute was approved by the Illinois Board of Higher Education on April 7, 2015. Patient visits increased by 17%, total patients served increased by 23% and new patients by 12% over FY 18.

11.2 Major Accomplishments (In This Year)

The SIU Neuroscience Institute continued to mature during FY2019 by implementing CADRD funding for Alzheimer's patient care, research and community outreach, embarking on a CADRD Center Director search, successfully implementing two RO1 NIH grants totaling > \$6,000,000 over 5 years to further Alzheimer's Disease research, continued expansion and integration of Behavioral Health services in the region, maturing the institute's internal operational and financial framework, implementing multidisciplinary clinics that improved patient experience and successfully recruiting faculty to the NSI. These efforts have advanced the SIU Neuroscience Institute. Department specific and overall NSI accomplishments include:

Neurology:

- Restored the Center for Alzheimer's and Related Disorders (CADRD) funding to previous level at \$1.5 million per year to for clinical, teaching, research and community outreach activities related to Alzheimer's disease and related disorders
- Selected faculty and other department staff who then received training in New Mexico to start an ECHO (Extension for Community Healthcare Outcomes) designed to train community-based primary care providers to treat patients with Alzheimer's and related memory disorders
- Doubled the number of neurologists and the days of outreach for outpatient Neurology at Sparta Hospital
- Completed 3 new Faculty recruitments
- Implemented a division of Physical Medicine and Rehabilitation providing outpatient and inpatient care
- In conjunction with Memorial Medical Center, continued to support a Level 3 Comprehensive Epilepsy Program from the National Association of Epilepsy Centers.
- In conjunction with Memorial Medical Center, provided much of the physician support for the JCAHO credentialed Comprehensive Stroke Center.
- Started an Interventional Pain Management program
- Began a multidisciplinary program for Spine disorders, which included providers from Neurology, PM&R, Psychiatry and Neurosurgery.
- Further expanded multidisciplinary programs in Epilepsy, Deep Brain Stimulation and Brain Tumors with additional providers, streamlined operations and community education.

- Expanded presence at Decatur Memorial Hospital to include inpatient and outpatient care, and electrodiagnosis.
- Increased the number of providers involved in the inpatient Neuro-Rehabilitation program at Memorial Medical Center.

Psychiatry:

- Expanded integrated clinics at SIU pediatrics, family medicine and Memorial Behavioral Health by increasing the number of providers, piloting open access program to better address needs of people with severe and persistent mental illness, and expanding to Carbondale
- Collaboration with St. Mary's Hospital (SMH) leadership to integrate the SIU Child Psychiatry Fellowship Program at SMH beginning 7/1/19
- Completed 2 new Faculty recruitments in addition to two LCSW's, two Psychiatric Nurse Practitioners, and a psychometrician
- Serve as Behavioral Health Medical Director for the Illinois Department of Health and Family Services (HFS)
- Continued project ECHO (Extension for Community Healthcare Outcomes) designed to train community-based primary care providers to treat patients with Opioid Use Disorders (OUD) using medication assisted treatment (MAT) guidelines
- Completed strategy for integrating psychiatry services from SIU, Memorial Physician Services, Memorial Behavioral Health and Passavant Community Hospital into one integrated network
- Developed protocol with Springfield's largest primary care group to provide psychiatric consultations to their patients with return to primary care providers for ongoing management
- Worked with leaders across the criminal justice system (through a MacArthur Foundation Grant) to create a system for jail diversion (where appropriate) for people with mental illness and/or substance abuse
- Integrated Memorial Health System Psychology services into the SIU Department of Psychiatry
- Partnered with Decatur Memorial Hospital to develop a mental health clinic at Milliken University
- Provided treatment combining yoga with cognitive behavioral therapy
- Redesigned clinic operations to dramatically increase access to psychiatric care in Sangamon County
- Created a bridge clinic to care for people discharging from the hospital who cannot gain timely access to their regular mental health provider

Neurosurgery:

- Continued building Neurosurgery's Residency Program by recruiting another resident in 2018.
- Collaborated with Memorial Medical Center in implementing a Deep Brain Stimulation program at MMC, in addition to the pre-existing program at St John's Hospital.

Neuroscience Institute (NSI):

- Implemented multidisciplinary clinics for epilepsy, movement disorders, spine and memory disorders
- Successfully competed and attained more than 7.6 million dollars in grant funding
- Produced scholarship and research through 44 National/International presentations, published 29 Peer-Reviewed articles and published 8 book chapters.
- Improved patient access by 17% increased visits and 12% new patient encounters over FY18.
- Ended FY19 with a positive operating margin, the first time since the formation of the NSI in 2015.
- Completed a formal external and internal program review of the Center for Alzheimer’s Disease and Related disorders (CADRD) required by the Illinois Board of Higher Education (IBHE) identifying strengths and opportunities for improvement.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The SIU Neuroscience Institute supports priorities of the university, the medical school, and the State of Illinois. SIU Carbondale’s focus statement notes that the university “strives to meet the health care needs of central and southern Illinois through appropriate health-related programs (and) services ...”and “develops partnerships with communities (and) businesses” The NSI addresses both of these by providing community-based patient care services in demand by the people of the region. The institute also supports SIU Carbondale’s priorities for community service and collaboration, as noted in the *Pathways for Excellence: A Strategic Plan* document. The SIU Board of Trustees’ strategic priorities include those to “extend the external presence and relationships of the system to aid in the development of innovative approaches to address Illinois’ problems relating to education, health care ...” and to “streamline for efficiency and cost-savings to ensure financial stability, encouraging productive, mutually beneficial collaborations across system campuses and locations” The NSI provides innovative, streamlined approach to health care through the consolidation of clinical and research services related to diseases of the nervous system. This improves patient accessibility to services, patient care and safety, and operational efficiency and effectiveness through the consolidation of administrative positions and functions across the NSI’s departments and divisions. Longstanding university priorities call for programs to contribute to workforce development, stronger health care and social welfare systems, and increased cooperation among health programs and the community. The NSI advances each of these priorities.

The NSI supports various elements of the medical school’s strategic plan, particularly its priority for clinical practice and health of the population. Through its individual academic divisions and departments and its combined clinical and research operations, the NSI addresses and enhances the major strategic priorities within the SIU School of Medicine, including strategies associated with: educating future physicians; attracting, progressing and retaining a diverse faculty; developing innovative teaching methods for students and residents; expanding research studies, initiatives and collaborations across the institution; providing accessible and quality health care; establishing relationships with various health care and other community entities within the region and the state; and enhancing the brand that is SIU Medicine.

The NSI also directly advances the *Illinois Public Agenda* goals for economic growth and workforce development. Economic growth is advanced through this program’s ability to address patient needs related to neurological and mental health disorders in the region. This provides an important professional service, one that is in demand throughout central and southern Illinois..

The institute also provides learning opportunities for medical students, physician assistant students, graduate science students, and clinical residents and fellows in the neurosciences. This improves the state's workforce of these important professionals while enhancing the relevance of the medical school's educational programs.

The SIU Neuroscience Institute advances these complementary goals.

11.4 Evidence of Support for Center/Institute Objectives

In its brief time in operation, the SIU Neuroscience Institute has made progress in achieving its objectives as outlined in 9.3 above. In FY2019, efforts matured in the areas of consolidating finance and accounting operations for the Departments of Neurology Psychiatry, and the Division of Neurosurgery with administrative, finance and support staff providing services to all three departments/divisions, and implementing best practices employed by the departments to better improve the efficiencies of the operations of the NSI. Patient quality, risk and safety were also advanced by the integration of the Neurology/Psychiatry PSES (Patient Safety Evaluation System) Committee which reviews and discusses all patient safety and quality-related incidents as documented within the Patient Incident Reporting System (SENSOR).

In an effort to improve clinical efficiencies, enhance the patient experience, and achieve cost savings through the attrition of redundancies in clinical support staff, efforts were undertaken by individual departments/divisions and collectively within the NSI as demonstrated in section 11.2 above (major accomplishments). .

RESOURCES: SIU Neuroscience Institute

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015¹	FY2014
Revenues						Note 1
State Appropriations	0	0	\$0	\$0	\$0	
Income Fund	0	0	0	0	0	
Grants & Contracts	0	0	0	0	0	
Patient Care Revenues	8,862,475	6,371,042	6,156,008	6,465,387	1,606,655	
Non-Patient Care Revenues ²	1,017,762	839,266	833,601	721,894	264,273	
Ancillary Revenue ²	0	604,410	484,453	436,988	101,915	
Accumulated Balance ³	0	0	0	0	0	
Total Revenues	9,880,240	\$7,814,718	\$7,869,682	\$7,851,407	\$1,972,843	
Expenditures ⁴						Note 1
Department Overhead	1,221,411	\$1,148,631	\$1,219,579	\$1,218,574	\$278,983	
Space Costs	873,753	1,173,353	1,022,811	946,305	274,465	
Malpractice Insurance	834,940	691,615	615,455	604,616	186,071	
Other Direct Expenses	1,575,874	226,755	135,541	122,920	24,937	
Academic Support Expenses	930,661	872,767	853,583	904,495	233,743	
Provider Compensation	2,826,743	2,724,408	2,643,180	2,592,356	504,621	
SIU MED Overhead	978,601	998,485	1,008,793	1,048,736	217,062	
Ancillary Expenses	0	504,579	370,740	413,405	101,688	
Total Expenditures	9,241,983	\$8,340,593	\$7,869,682	\$7,851,407	\$1,821,570	
Revenue Minus Expenditures	\$638,257	\$(525,875)	\$(395,620)	\$(227,138)	\$151,273	Note 1

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

1. The SIU Neuroscience Institute was approved by the Illinois Board of Higher Education on April 7, 2015. For FY2015, this table displays resources for only the April – June 2015 period.
2. Non-Patient Care Revenues are defined as income derived from affiliated hospital agreements and community outreach contracts. Ancillary Revenue is income derived from operations that support and enhance the overall patient care experience such as imaging, labs, rehabilitation, and other special procedures.
3. No accumulated balance is forwarded from year to year. Each year is managed and any deficit or surplus does not accrue to the NSI but are managed through SIU's practice plan, SIU Healthcare.
4. Department Overhead expenses include primarily salary expenses for staff directly involved in supporting patient care activities, such as front desk reception staff, call center, nursing and medical assistant, medical records, etc. Provider Compensation is physician compensation from patient service. SIU Medicine Overhead expenditures include costs of support services provided by SIU Medicine including support for information technology, credentialing and managed care, patient business services, and quality, risk and safety programs.

Staffing (Full Time Equivalent)^{2,3}	FY2019	FY2018	FY2017	FY2016	FY2015¹	FY2014
Faculty	36	37	26.00	30.30	30.40	Note 1
Staff	81	74	65.00	79.60	97.50	
Total Staffing	117	111	91.00	109.90	127.90	Note 1

1. The SIU Neuroscience Institute was approved by the Illinois Board of Higher Education on April 7, 2015. For FY2015, this table displays resources for only the April – June 2015 period.
2. Includes FTEs of those faculty and staff receiving direct salary support from the NSI.
3. In addition to the current in-place staffing within the NSI, a total (6) six faculty and (8) eight staff positions were open and vacant at the end of FY2016.

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1. Reporting Institution Southern Illinois University Carbondale

2. Center/Institute Paul Simon Public Policy Institute (PSPPI)

3. Date 01/29/2020

4. Director John Shaw

4.1 Telephone 618-453-4003

4.2 E-mail john.shaw@siu.edu

5. Year Established Approved 1996, opened 1997

6. Illinois State Statute (if pertinent) (N/A)

7. Reporting Unit Provost & Vice Chancellor for Academic Affairs

8. Type

	Activity (check all that apply)
Instructional	<input checked="" type="checkbox"/>
Research	<input checked="" type="checkbox"/>
Public Service	<input checked="" type="checkbox"/>

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Paul Simon Public Policy Institute was opened in January 1997 in order to fulfill the following overarching objective summarized in the New and Expanded Program Request (NEPR) approved by the Illinois Board of Higher Education at the Institute's founding in 1996.

"The guiding principle of the Institute will be the premise that rational scholarly analysis contributes to the making of more effective and more efficient public policy and contributes to elevating the level of public discourse in this country "(NEPR, 1996, 2).

9.2 Mission

The Institute's mission statement is as follows:

The Paul Simon Public Policy Institute acts on significant and controversial issues impacting the region, the state, the nation, and the world. The Institute is committed to developing and working to implement approaches that bring concrete, positive results in tackling some of the most difficult challenges in the public policy arena.

The Institute focuses its efforts on fostering:

- * Ethical conduct in government.
- * Opportunity and fair treatment for citizens in America and throughout the world.
- * Promoting responsible citizenship for all Americans- but particularly for young Americans.

9.3 Objectives

The Institute executes its mission by working on a variety of specific annual objectives. Those include:

- Working on our "Better Politics, Smarter Government" Agenda, which includes the three following areas: Town Hall Meetings Initiative, Renewing Illinois Summit for all Illinois university students, and Restoring American Statesmanship.
- Conducting a nationally known public opinion poll, the Simon Poll™, to inform decision makers and citizens.
- Analyzing public policy through academic papers and published The Simon Review and numerous other media outlets.
- Providing and supervising paid internships and other learning opportunities for university students.
- Hosting lectures and conferences with noted leaders in public policy, journalism and other fields.
- Providing leadership and civic education programs for high school students.

10. Advisory Board

10.1 Advisory Board - Membership

The Board of Counselors are:

Reilly Bowler (Simon family)
Nancy Chen (member at-large)
Ross Glickman (State Democratic Party appointment)
Meera Komaraju (*ex officio* member, SIU Carbondale Provost)
Bill Norwood (member at-large)
Vicki Otten (member at-large)
Howard Peters (member at-large)
Rae Goldsmith (*ex officio* member, Interim Vice Chancellor for Development & Alumni Relations)
Martin Simon (Simon family) - Chair of the Board
Lucy Sloan (member at-large)
John Trasviña (member at-large)
Lance Trover (State Republican Party appointment)
Paula Wolff (member at-large)
David Yepsen (previous past director)
Vacant (member at-large)
Vacant (member at-large)

10.2 Number of Meetings (In This Year) 1 meeting per year

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Simon Poll TM	1	1 Poll Conducted
2. The Simon Review (Published Papers)		3 papers
3. Public Events		10 events
4. Internships Filled	8	5 internships filled
5. Graduate Assistants funded	2	2 positions filled

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, and public service activities.

11.2 Major Accomplishments (In This Year)

- We held ten events in a wide variety of topics that were free and open to the public.
- We also hosted two Morton-Kenney Public Affairs Lecture Series speakers, Ira Shapiro and Dr. Barbara Walter.
- We hosted three “Pizza and Politics” events with Tom Desch, IL State Rep. Emanuel “Chris” Welch, and IL Rep. LaToya Greenwood.
- Conducted 1 statewide Simon Poll™ in the spring. Our findings were picked up through numerous statewide media outlets (television, radio and print), plus staff was interviewed for several stories for our expertise on the findings.
- We published three academic Simon Review papers over a variety of topics. All papers are made available via OpenSIU. The monthly download count shows that these papers are widely used by scholars and practitioners from all over the U.S. and the world.
- We placed five interns in Springfield for the spring 2018 legislative session or summer semester, plus had one intern serving in a local Carbondale office and a social work intern within the Institute.
- We completed our search for the Institute’s new associate director in March 2019 with the hiring of Victoria Gajc. She began as institute associate director in April 2019.
- We continued successful fundraising efforts for our 26 Foundation accounts.
- Awarded the Jean Hurley Simon Memorial Scholarship and the Barbara Brown Memorial Scholarship to SIU students.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

While PSPPI does not directly generate credit hours by offering formal classroom instruction, virtually all facets of the Institute’s mission and activities support Goals 1-4 of the Illinois Public Agenda either directly or indirectly. Our guiding principal is “the premise that rational scholarly analysis contributes to the making of more effective and more efficient public policy and contributes to elevating the level of public discourse in this country.” We focus on public policy and encourage university students, faculty and staff to be more engaged in the political discussion and analysis of public policy. We have organized and sponsored conferences on college affordability, the funding of K-12 education, the necessity of workforce development and the healthcare system in Illinois.

We also seek to engage and teach the mass media and K-12 teachers and students in that conversation. We value and extoll the importance of public service. We especially seek to encourage university students to enter careers in public services and through our paid internships we get them invaluable on-the-job training. Many of our former interns are now pursuing productive careers in local, state and national government jobs, as well as a variety of non-profit organizations.

We have launched three initiatives in our “Better Politics, Smarter Government” theme. Our Renewing Illinois summit initiative was launched with our inaugural conference in March 2018. We also developed a set of best practices for town hall meetings and sent these practices to the Illinois Congressional delegation. We invited speakers to campus to discuss statesmanship in Illinois and the United States.

The statewide polling informs the public and the media about important dimensions of public opinion regarding key policy and political questions. Our published papers focus on significant issues of public policy and politics. The papers are used and cited across the state, nation, and globe. We constantly stress the need for higher education and university-based research to make Illinois more competitive in an increasingly interdependent global economy.

Education brings light to the political process and operation of government. In the absence of such light our politics and government are driven by ignorance, fear, prejudice and myth. Our institute, and others like it seek to expand the light and decrease the darker impulses of a mass society and polity. This ambition is clearly consonant with the four major goals of the Illinois Public Agenda, the SIU system, and campus priorities for this and each year.

11.4 Evidence of Support for Center/Institute Objectives

We continue to see donors supporting the Institute's mission and objectives as we are remembered in donations throughout the year, annual giving gifts and planned estate gifts.

We continue to see large crowd turnouts at our events, averaging approximately 100 people on any given event. These audiences include students, faculty, and staff from SIU, area K-12 students and teachers, interested citizens and a range of media outlets. We ask our audience to complete feedback cards to continually tweak and adjust for future events.

Our *Simon Review* papers are widely downloaded. In this year alone, we had over 4,000 unique downloads. Via OpenSIU, we are able to track that downloads this year came mostly from the United States, Fiji, France, Nigeria, United Kingdom, and Germany. There have been over 32,000 downloads of these papers by users from across the nation and throughout the world since the series was started in 2004.

Our polls are widely used and cited when they are released. Our poll results have been covered widely in local, state and national media outlets. The Simon Poll has become the most widely recognized statewide poll in Illinois and it is currently the only one done annually by an academic institution. As the gold standard for the state, the individual polls receive very intense news coverage when they are released, and then our polls are quoted in editorials, news articles and blogs frequently months and even years after they are released.

Our policy experts are in much demand for interviews with the media. Our policy experts, John Shaw, John Jackson, Linda Baker, and Charles Leonard were interviewed during this past fiscal year in *The New York Times*, *Wall Street Journal*, *The Washington Post*, *Newsweek*, *Politico*, *NPR*, *the Chicago Tribune*, *The Chicago Sun Times*, *The St. Louis Post-Dispatch*, *The Southern Illinoisan* and a wide variety of other outlets. Our staff also worked with WSIU for radio and television segments and appeared frequently on WSIL, KFVS, and WPSD television.

11.5 Evidence of Organizational Effectiveness

We continue to successfully place SIU undergraduate students in the state capitol in a variety of offices as interns during the spring legislative session. These interns are supervised by Dr. Linda Baker. We also continue to place Demuzio interns in local government offices in Southern Illinois. These interns are supervised by Dr. John Jackson.

We continued our partnership with the Celia M. Howard Foundation which now provides a fellowship via the Institute for two graduate students. They have been so impressed by the work our past and current fellow holders that they decided to offer more fellowship opportunities via the Institute. Therefore, they have increased their support now to two fully funded (\$20,000 each) fellowships.

We continued our long term agreement with the McCormick Foundation to offer conferences for area K-12 educations on civic engagement and best practices on teaching methods in their fields.

Our supporters donated over \$5,100 for SIU's second annual Day of Giving.

12. Institutional Assessment

12.1	Date of Last Review	<u>FY18</u>
12.2	Decision at Last Review	<u> x </u> Center/Institute in Good Standing <u> </u> Center/Institute Flagged for Priority Review <u> </u> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) <u>NA</u>

RESOURCES: Paul Simon Public Policy Institute

- See attached sheet for FY19 and past fiscal years.

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations					
Budget Reduction					
Budget Increase					
Ending Budget					
Income Fund					
Grants & Contracts					
Endowment Accounts					
Overhead Recovery					
Total Revenues					
Expenditures*					
Salaries – Staff/Faculty					
Graduate Assistants					
Travel					
Commodities					
Contractual Services					
Telecommunications					
Fringe Benefits					
Facilities & Administrative Costs					
Total Expenditures					
Revenue Minus Expenditures					

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	1	1			
Staff	2.75	3.75			
*We have two half-time graduate assistant to make 1.0. No extra help.					
Total Staffing	4.75	5.75			

FY	UNIT	BP	BP DESCRIPTION	OBJECT GROUP	ORIGINAL BUDGET	CURRENT BUDGET	Y-T-D EXPENDITURES	OPEN COMMITMENTS	UNCOMMITTED BALANCE
19	21181	272382	PUBLIC POLICY INSTITUTE	4100 Salaries	340,593.93	343,621.34	343,621.34	0.00	0.00
19	21181	272382	PUBLIC POLICY INSTITUTE	4200 Wages	14,000.00	18,000.00	18,372.37	0.00	(372.37)
19	21181	272382	PUBLIC POLICY INSTITUTE	4275 Employee Cont for Benefits	4,212.00	4,212.00	3,633.00	0.00	579.00
19	25150	272382	PUBLIC POLICY INSTITUTE	4400 Equipment	0.00	179.00	179.00	0.00	0.00
19	21181	272382	PUBLIC POLICY INSTITUTE	4500 Commodities	6,000.00	2,000.00	1,996.04	0.00	3.96
19	21181	272382	PUBLIC POLICY INSTITUTE	4700 Contractual Services	7,665.00	7,879.36	8,845.68	0.00	(966.32)
19	21181	272382	PUBLIC POLICY INSTITUTE	5100 Op of Automotive	1,200.00	805.65	386.68	0.00	418.97
19	21181	272382	PUBLIC POLICY INSTITUTE	5300 Telecommunications	3,500.00	3,500.00	2,421.19	0.00	1,078.81

FY	UNIT	BP	BP DESCRIPTION	OBJECT GROUP	ORIGINAL BUDGET	CURRENT BUDGET	Y-T-D EXPENDITURES	OPEN COMMITMENTS	UNCOMMITTED BALANCE
19	21181	272898	DEMUZIO INTERNSHIP PROGRAM	4100 Salaries	5,481.24	12,039.86	12,039.68	0.00	0.00
19	21181	272898	DEMUZIO INTERNSHIP PROGRAM	4700 Contractual Services	1,800.00	1,800.00	600.00	0.00	1,200.00

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University School of Medicine
2.	Center/Institute	Simmons Cancer Institute at SIU (SCI)
3.	Date	January 1 st , 2020
4.	Director	Aziz Khan, M.D.
4.1	Telephone	217-545-7969
4.2	E-mail	akhan@siumed.edu
5.	Year Established	Academic Year 2000
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	Southern Illinois University School of Medicine
8.	Type	Activity
		(check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Simmons Cancer Institute at SIU (SCI) is a multi-disciplinary cancer center based in Springfield, IL to serve the population of central and southern Illinois. SCI provides access to state-of-the-art treatment and promising new clinical trials to the residents of central and downstate Illinois. The Institute works collaboratively with local hospitals and other community providers in the region to share technology, broaden research, and raise treatment standards and expands the region's ability to attract research and programmatic funding that builds the infrastructure necessary for sophisticated research programs and excellent patient care. In addition to this, the Institute augments medical student, resident, and graduate student training in cancer/ oncology, and provides patient and physician education across the region.

SCI features a comprehensive approach to patient care organized around organ site care teams (such as that addressing colorectal cancer) which are designed to enhance effective, efficient treatment of the whole person and not just the disease. Modeled on best practices promoted by the National Cancer Institute, these care teams include physicians, nurses, psychologists, social workers, and other specialists, such as pathologists and radiation oncologists, who work together to provide high-quality patient care and complementary therapies to address the patient's needs.

SCI provides a variety of free cancer screenings working in partnership with other health care professionals and organizations. As an ongoing effort to raise awareness and prevention, SCI maintains a strong outreach and referral program, including patient education and health screenings in the community. Physicians and scientists perform cancer related discovery research, applied research and, increasingly, population health research. Cancer clinical trials are available at SCI through the National Community Oncology Research Program, pharmaceutical sponsors and the medical school's physicians' personal research.

The Simmons Cancer Institute is housed in a 63,000 square foot facility on the Springfield clinical campus that was funded in part through state-appropriated capital funds. This facility features an infusion center, nearly three dozen exam rooms, minor procedure facilities, the nationally accredited breast center through the National Accreditation Program for Breast Centers (NAPBC), nationally accredited oncology services through the Quality Oncology Practice Initiative (QOPI), as well as ultrasound, x-ray, ECG, and laboratory services.

9.2 Mission

To serve the people of central and southern Illinois by addressing their present and future cancer care needs through medical education, biomedical research, patient care, and community service.
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9.3 Objectives

Objective Number	Objective Description
1	To markedly reduce the burden of cancer on patients, their families, and the community by using innovative strategies developed from collaborations with researchers and health care workers.

2	To advance knowledge about cancer awareness, prevention, early detection, care and treatment.
3	To provide preventative screenings to promote early detection and treatment.
4	To enhance a population science program in rural areas to assist with cancer prevention.
5	To provide the latest cutting-edge treatment and research that translates new scientific findings into therapies (i.e., bench-to-bedside) so as to improve care to patients regardless of their ability to pay.
6	To develop highly functioning Cancer Care Teams for all major cancers that employ a multidisciplinary approach to comprehensive patient care of the highest quality, and “cutting edge” treatments. Within each working group, establish a mature and relevant translational research program.
7	To develop strategies for pursuing available funding streams from the federal and state governments as well as opportunities for philanthropic donations.
8	To develop a hematology-oncology fellowship program to help address the national shortage of hematology–oncology physicians with a focus of local recruitment and retention.
9	To provide physician dispensed oral cancer treatment therapies to assist with patient treatment and provide convenience for care.
10	To develop a Melanoma Center, complete with new clinic space, as well as collaborative efforts with dermatology, plastic surgery, surgical oncology, medical oncology. Efforts include recruitment of a discovery scientist with a concentration in melanoma or immunology related research.

10. Advisory Board

10.1 Advisory Board – Membership

SCI Executive Committee: provides recommendations to the SCI Executive Director on matters concerning the goals and performance of the institute in accordance with its mission. FY2018 members were:

- Aziz Khan, MD, Executive Director, Simmons Cancer Institute
- Jerry Kruse, MD/MSPH, Dean and Provost, SIU School of Medicine; and CEO SIU Medicine
- John Flack, MD, Professor and Chair, Internal Medicine, SIU School of Medicine

SCI Management Committee: established to oversee the strategy and direction of the institute. This committee reviews the SCI's clinical, charitable, educational, research, and community service activities. In FY2018, the members were:

- Amanda Hutton, Health Administrator, Simmons Cancer Institute
- Lori Barker, Business Manager I, Simmons Cancer Institute
- Aziz Khan, MD, Executive Director, Simmons Cancer Institute
- Lisa Price, Director of Administrative Services, Simmons Cancer Institute
- Kathy Robinson, Director of Clinical Research, Simmons Cancer Institute
- Cindy Davidsmeyer, Director of Community Patient Services, Simmons Cancer Institute

10.2 Number of Meetings (In This Year)

SCI Executive Committee – twelve (12) meetings in FY2019 (meetings are held monthly)

SCI Management Committee – twenty-four (24) meetings in FY2019 (meetings are held twice a month)

11. Annual Performance

11.1 Performance Measures *

Measure		Target for Year	Results in Year
1.	Total Patients Served by SCI – Total Patients Seen	22,037	17,233
2.	Total New Patients Served by SCI – Total New Patients Seen	2,719	2737
3.	Total Infusion Patients Treated by SCI	7300	7643
4.	Clinical Trial Studies – Open Studies (NCORP Studies and SCI Clinical Trials)	125	127
5.	Clinical Trial Participation – NCORP studies and SCI Clinical Trials)	164	201
6.	Cancer-Related Research – Funded Discovery Science and Translational Projects and Non-Clinical Trial IRB regulated Studies.	33	31
7.	Published Articles – Number	90	84
8.	Patient/Community Education Programs – Attendees	2,508	2750
9.	Outreach Programs/Screenings – Attendees	2606	2800

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, and public service activities.

11.2 Major Accomplishments (In This Year)

<p>In FY2019, major accomplishments of the Simmons Cancer Institute included the following:</p> <ul style="list-style-type: none"> • Contracting continues for a physician dispensing Oral Chemotherapy business to SCI for all SIU physicians. • Construction of a new infusion reception area, with port room has finished. This will allow infusion patients a separated waiting area from Memorial lab services to allow a better patient experience, a shorter walk to chemotherapy and quick port room access for patients without having to go into the infusion room area. This construction was funded through Foundation support. • Construction of the new Oral Chemotherapy space is completed, this construction project is being funded through Foundation support. • Head and Neck surgery moved their practice to consolidate the ENT Department that was approved in early 2019. • GI services moved their practice within SCI in October of 2019 to clinic A.
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- SCI held its second annual combined Summer Internship Presentation and Donor Appreciation event. Donors who contribute to Denim & Diamonds, fund the paid summer internships for six college undergrads who are interested in cancer research. Each intern gave a 15 minute presentation of their research project. The event had 50 in attendance, including faculty, researchers, intern mentors, family members and donors.
- Architectural drawings were completed for the third floor renovations to house Melanoma and Dermatologic Oncology Center. This would house the division of Dermatology. Fund Raising will begin to open this \$6 million dollar program expansion. –Lisa updated please review
- SCI partnered with Hanson Professional Services in Springfield to provide screenings for head and neck cancer, skin cancer and distribute FIT kits. Aziz Khan, MD, executive director of SCI provided an informational discussion for employees on melanoma, and Matthew Johnson, MD, Otolaryngology, on oral cancers.
- SCI researcher, Andrea Braundmeier-Fleming spoke to the Springfield Morning Rotary regarding her research on microbiome
- SCI held its second successful combined Summer Internship Presentation and Donor Appreciation event. Donors who contribute to Denim & Diamonds, fund the paid summer internships for six college undergrads who are interested in cancer research. Each intern gave a 10-15 minute presentation about their research project. The event had approximately 50 in attendance, including faculty, researchers, intern mentors, family members and donors.
- SCI expanded Mammogram Mondays outreach to HSHS St. Francis in Litchfield through a Komen grant submitted by the Regional Cancer Partnership and housed at SCI for the past seven years. Six hospitals participate in Mammogram Mondays. Skin cancer and head and neck cancer screenings were provided to 75 Montgomery County residents.
- To further our reach in the African American community regarding Mammogram Mondays, SCI partnered with the NAACP, the Springfield Urban League and the Ministerial Alliance to raise awareness about the program and the free mammograms it offers. More than 2000 fliers, 1000 postcards and ad were purchased to and distributed to those organizations, a middle school and high school.
- We also participated in the first Health Fair at St. John's AME Church in Springfield, distributing Fit kits as part of our on-going effort to raise awareness regarding colorectal cancer screening and organizing a question and answer event with Jan Rakinic, MD, chief of colorectal surgery at SIU SOM and Simmons Cancer Institute.
- Successful screenings for head and neck cancer, as well as distribution of FIT kits home tests for colon cancer were held at SCI. We also hosted the Regional Cancer Partnership prostate screening event which screened 54 men. Other RCP events held at the cancer institute were, FIT kit distribution and a skin cancer screening.
- SCI continues to show strong numbers at health expos in Hillsboro and Jacksonville, with each event seeing about 75 – 80 individuals screened for skin cancer, and having the option to take home a FIT kit for colon cancer. Information was also provided on radon, nutrition, exercise and HPV.
- SCI also partnered with HSHS St. John's Hospital to hold a prostate screening event. We provided three staff, a physician and resident to support the event.

These accomplishments were in addition to ongoing patient care, research, educational, and outreach efforts performed by SCI in FY2019.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The Simmons Cancer Institute directly supports key priorities of the State of Illinois, Southern Illinois University, and SIU School of Medicine, particularly those associated with community service as expressed through patient care and outreach, workforce development, collaboration with community partners, and research and scholarship.

SCI's educational and research activities support the Illinois Public Agenda goal calling for educational, research, and innovation assets to be used in advancing the economic needs of the state and region. The institute's grant funded research and resident education programs are examples. Southern Illinois University system priorities, as outlined by the SIU Board of Trustees, include the call for innovation, the addressing of health care needs in the region, and the formation of partnerships with public and private entities to increase the university's outreach into the community. SCI's patient care, clinical trials, and community education and screening programs advance these priorities. SIU Carbondale's strategic plan calls for research, scholarly and creative activities that benefit the community. SCI's basic and applied research programs and its emerging work in population health science research directly support these priorities. SIU School of Medicine's strategic plan calls for clinical practice, workforce development, research, and professional engagement. SCI's clinical practice, research, and community engagement activities support the school's priorities as well.

11.4 Evidence of Support for Center/Institute Objectives

In FY2019, the Simmons Cancer Institute advanced its primary objectives of becoming the premier comprehensive cancer center for rural Illinois; enhancing research regarding the causes and treatments of cancer; and partnering with other health care, community, and educational organizations to reduce the burden of cancer on patients, their families, and the community. Significant achievements in this program year include the following:

- Provided high-quality direct patient care to cancer patients.
- Awarded six (6) Summer Internships to local college students to work with research mentors.
- Awarded One (1) Team Science Grant.
- Partnered with the SIU Office of Population Science and Policy to further oncology-based population research. Two faculty hired with funds to work directly in cancer related fields. We hold monthly meetings to further develop population based grants and programs in cancer.
- Established partnerships and relationships with local communities to promote health fairs, cancer screenings, and disease management to address high-risk populations in central and southern Illinois.
- Expanded services to include multi-center clinical trial management in Clinical Trials Office.
- Established goal of implementation of a Melanoma Clinic and recruitment of Faculty for promotion of melanoma research. A recruiter was hired to successfully recruit a PhD of Epidemiology through the Cancer Institute and Foundation funding.

11.5 Evidence of Organizational Effectiveness

The Simmons Cancer Institute is effective as an organization. As noted in the university's most recent program review, the Institute has established excellent patient care, research, and community outreach programs which support the priorities of the state, university, and medical

school. The SCI has expanded grant funding and maintained its state support during difficult economic times. This is evidence of its ability to attract key resources and demonstrates support for the institute by key constituencies. The SCI is meeting its organizational objectives and the expectations of the community, university, and state; it is positioned to prosper in the future.

12. Institutional Assessment

12.1 Date of Last Review 2018-Self Study

12.2 Decision at Last Review X Center/Institute in Good Standing

Center/Institute Flagged for Priority Review

Center/Institute Suspended

12.3 Explanation N/A

RESOURCES: Simmons Cancer Institute at SIU

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
<u>Revenues</u>					
State Appropriations ¹	\$1,955,817	1,965,919	2,110,528	668,771	\$2,393,798
Income Fund	0	0	0	0	0
Grants & Contracts ²	26,551	24,192	13,822	39,384	44,887
Grants & Contracts– Other ³	294,457	295,427	247,977	123,488	170,044
Accumulated Balance ⁴	0	0	0	35,155	38,499
Transfers from SOM ⁵	0	0	0	1,445,105	0
Total Revenues	2,276,825	2,285,538	2,372,327	2,311,903	2,648,228
<u>Expenditures</u>					
Salaries	\$1,314,119	1,555,044	1,651,033	1,696,941	2,096,557
Travel	2,292	1,004	2,773	6,708	17,734
Equipment	73,527	23,658	15,881	26,557	64,520
Commodities	14,853	12,730	76,098	94,404	93,581
Contractual Services ⁶	329,325	354,289	365,055	400,246	328,661
Telecommunications	23,473	23,863	32,643	37,430	21,309
Other ⁷	16,270	21,573	20,670	49,617	14,866
Total Expenditures	\$1,773,859	1,992,161	2,164,153	2,311,903	2,647,228
Revenue Minus Expenditures	\$502,966	293,937	208,174	0	0

1. State Appropriations include program operating funds first appropriated by the State of Illinois in FY2002 as well as the impact of state budget changes and internal reallocations since that time.
2. Grants and Contracts declined significantly in FY2014, due to discontinuance of the State of Illinois – Excellence in Academic Medicine program funding.

3. Grants and Contracts-Other includes revenue from SIU Foundation grants to SIU School of Medicine for the SCI.
4. Accumulated Balance in this table refers to the amounts of accumulated balance accrued from previous years' activities that were used to cover expenses in the years noted.
5. Transfers from SOM includes fund transfers from the SIU School of Medicine's reserve or general funds to support SCI. FY2016 transfers were necessary as the State of Illinois did not appropriate a full year's appropriation in that year.
6. Contractual Services includes medical services provided to clinical trials patients, external consultant fees, and bond repayment. The FY19 4th quarter bond repayment of \$28,961 did not hit our Report of Transactions until FY20.
7. Other includes indirect costs from clinical trial expenses.

Staffing (Full Time Equivalent)¹	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	4.3825	5.025	8.09	9.12	12.78
Staff	55	50	11.53	12.11	13.90
Total Staffing	59.3825	55.025	19.62	21.23	26.68

1. Staffing (FTE) includes FTEs of those faculty and staff receiving direct salary support from the SCI.

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale
2.	Center/Institute	Office of Innovation and Economic Development, SIU Research Park (OIED)
3.	Date	March 25, 2020
4.	Director	Lynn Andersen Lindberg, Interim Executive Director
4.1	Telephone	618.453.6754
4.2	E-mail	lindberg@siu.edu
5.	Year Established	1986 – Office of Innovation & Economic Development, 2001 – SIU Research Park
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	OIED reports to the Office of the Chancellor. Research Park is a university-related organization
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Office of Innovation and Economic Development (OIED) is an umbrella organization for economic development activities within the University. This includes the Illinois Small Business Development Center at SIU, Illinois Procurement Technical Assistance Center at SIU, Business Incubator Programs, Saluki Ventures Student Business Incubator, Illinois Manufacturing Excellence Center, Center for Delta Studies, Center for Innovation, Business Innovation and Research, Office of Workforce Innovation and Research, and Illinois Nurse Aide Testing program.

The SIU Research Park, a separate, university-related organization, is also directed through this office.

The Illinois Manufacturing Excellence Center (IMEC) is an Illinois non-profit corporation with four higher education partners within the state. SIUC is one of those partners. At present, 8 IMEC staff are SIU employees.

9.2 Mission

OIED & SIU Research Park Mission: To establish and support an environment to foster innovation, commercialize University discoveries, and advance entrepreneurship and economic development within SIU and throughout the region.

IMEC's Core Purpose: to foster long-term economic and workforce competitiveness and its Mission: committed to driving growth through enterprise excellence.

9.3 Objectives

- * Create an entrepreneurial culture on campus – encompassing both spatial opportunities and programmatic activities.
- * Integrate activities within SIU Research Park with the campus community – ranging from increased traffic, the Saluki Ventures Student Business Incubator, student learning labs, and technology entrepreneurship.
- * Optimize business and economic development services for the broader community.
- * Become an economic development leader in southern Illinois and create a regional focus on collaboration among University researchers, regional businesses, and the community.

10. Advisory Board

10.1 Advisory Board - Membership

SIU Research Park Board of Directors:		
Curtis Baird, Board Chair (CEO, Highline Ideas)		
Gary Williams, Vice Chair (Manager, City of Carbondale)		
Teresa Katubig, Secretary (CEO, HireLevel, Inc.)		
John Dosier, Treasurer (President, First Southern Bank)		
Duane Stucky (Senior Vice President and Board Treasurer, SIU)		
John M. Dunn (Interim Chancellor, SIUC)		
Meera Komarraju (Provost and Vice Chancellor, SIUC)		
Gary Kinsel (Interim Vice Chancellor for Research, SIUC)		
Rex Budde (CEO, Southern Illinois Healthcare)		
Curt Jones (Founder, 40 Below Joe)		
Angela Povolish (Partner, FMGR Law Firm)		
Donald Gulley (CEO, Southern Illinois Power Cooperative)		
SBDC Advisory Board		
David & Lilly Cook	Business Owner	Allied Automotive
Amy Mills	Business Owner	17th Street
Jim Vigiano	Business Owner	Orthotech Sports Medical
Nic Skovgaard	Business Owner	AlterEgo Marketing
Curt Jones	Business Owner	40 Below Joe
Bryan Black	Business Owner	VMC
Lee Messersmith	Business Owner	Cycle 1 Cycling Studio
Les & Christine O'Dell	Business Owner	2 Bugs and a Bean
Tom Harness	Business Owner	Harness Digital Marketing
Mary Mechler	Business Owner	IMEC
Emily Burke	Manager	Walker's Bluff Casino
Jennifer Olson	Chamber	Carbondale Chamber
Harriet Mize	Chamber	Carterville Chamber
Steve Mitchell	Economic Development	Carbondale Economic Development
Chris Martin	Economic Development	Chester Economic Development
Rick Linton	Economic Development	West Frankfort Economic Development
Darren Berger	Bank	Bank of Carbondale
Shane Carsrud	Bank	Banterra
Chris Howton	Bank	Peoples
Robyn Russell	RLF	Champion Community Investments

10.2 Number of Meetings (In This Year) Research Park – 3; SBDC – 1

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Total clients (SBDC)	210	358
2. Total business counseling hours (SBDC)	3300	2251
3. Total jobs created—technical assistance (SBDC)	70	84
4. Total jobs retained—technical assistance (SBDC)	70	76
5. Number of business start-ups (SBDC)	21	31
6. Number of business expansions/acquisitions (SBDC)	10	15
7. Amount of loans secured (SBDC)	\$3,500,000	\$6,135,300
8. Amount of equity secured for clients (SBDC)	\$1,400,000	\$1,178,061
9. Successful IP filings awarded (SBDC)	4	5
10. University projects with regional businesses	6	12
11. New business incubator tenant clients		7
12. Saluki Venture start-ups		9
13. Companies assisted (IMEC)		770
14. New and retained sales per project (IMEC)		\$1,239,962
15. Cost savings per project (IMEC)		\$88,180
16. Jobs created and retained (IMEC)		4,634
17. Aggregate impact (IMEC)		\$435,475,000
18. Value-added services & projects (IMEC)		991
19. Investment per project (IMEC)		\$289,241
20. Entrepreneurs in Residence engaged	5	6

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

<ul style="list-style-type: none"> * Began hosting a Procurement Technical Assistance Center, offering assistance in local, state, and federal government contracting opportunities * Provided start-up facilities and business consulting services to 11 tenant clients Administered 15,679 Certified Nurse Aide Tests in Illinois * Offered 29 training seminars to 433 participants * Increased incubator program occupancy to more than 75% * Assisted 32 students with Saluki Ventures Start-up activities * Directed the activities of the SIU Center for Innovation and opened a new facility in the Research Park * Supported student entrepreneurship through multiple events including Innovation and Entrepreneurship Day, LAUNCH speaker series, and Saluki Pitch Competition * Received a \$50K award from the U.S. Small Business Administration for technology entrepreneurship activities related to SBIR/STTR opportunities * Supported two community-based strategic planning projects for two state park facilities * Provided assistance to 327 training programs through the Illinois Department of Public Health

- * Engaged 7 new University Innovation Fellows on campus and continued working with an additional 6 from the prior year, with various projects on- and off-campus
- * Trained 7 university scientists in business start-up activities through “Operation Mousetrap”
- * Managed Cuban and Puerto Rican agriculture, biotechnology, and entrepreneurship exchanges in Carbondale, Cuba, and Puerto Rico
- * Provided training to 257 Direct Support Personnel through the Illinois Department of Human Services
- * Presented at two international conferences in the areas of search engine optimization and online marketing opportunities for small business
- * Served as the business development interface with the Office of Technology Transfer
- * Provided assistance to southern Illinois High School CEO programs, promoting retention of youth entrepreneurs, through a variety of workshops and an annual tradeshow
- * Continued partnerships for other economic development agencies including local governments, chambers of commerce, regional planning agencies, educational institutions, and more

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

Goal 4 (Illinois Public Agenda) is to better integrate Illinois’ educational, research, and innovation assets to meet economic needs of the state and its regions. OIED supports this goal and it is evident through entrepreneurial training, innovation education, its business interface with technology transfer, and creating an overall culture of entrepreneurship on campus and in the region.

OIED continues to part of the team that drives innovation and entrepreneurship on campus, as recognized by the Carnegie Foundation designation as a Community Engagement Institution. The Association of Public and Land-grant Universities has also designated SIUC as an Innovative and Economic Prosperity Campus. Both designations demonstrate evidence of the university’s goal of enhancing our value to and our collaboration with the broader community in our mutual goals of research translation, workforce education, and economic development.

As indicated in the most recent strategic plan, SIU plays a prominent role in the vitality and stewardship of the economy and culture of our region. Maintaining the positive symbiosis that exists is essential for the community, region and the University. Maintaining the positive relationship also requires an investment of time, energy and resources from each. OIED is a critical component providing these items throughout the region.

RESOURCES: Office of Innovation and Economic Development

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	\$386,651	\$327,874	\$317,423	\$489,386	\$543,806
Econ Dev Program Income	91,197	7,608	11,175	65,368	74,000
Grants & Contracts	1,495,095	1,609,976	1,527,492	1,738,361	1,671,000
SBDC Generated Income	2,333	926	1,700	1,700	1,207
Total Revenues	\$1,975,276	\$1,946,384	\$1,857,790	\$2,294,660	\$2,290,013
Expenditures*					
Salaries/Wages & Benefits	\$1,704,085	\$1,697,231	\$1,584,167	\$1,846,574	\$2,153,711
Building Maintenance	13,465	26,735	3,568	1,966	17,763
Internal Roof Loan	0	12,026	12,026	12,026	12,026
Contractual	104,112	125,979	41,885	93,044	64,111
Supplies & Commodities	10,968	18,880	16,193	19,503	11,789
Miscellaneous	158,813	177,839	59,872	185,968	12,612
Total Expenditures	\$1,991,443	\$2,058,690	\$1,717,711	\$2,159,081	\$2,272,013
Revenue Minus Expenditures	-\$16,167	-\$112,306	\$140,079	\$135,579	\$18,011

* OIED programs encompass three different fiscal years; as a result, estimates were provided based on the State Fiscal Year

Staffing (Full-Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	0	0	0	0	0
Staff	22	18	16	18	26
Total Staffing	22	18	16	18	26

RESOURCES: SIU Research Park

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	\$0	\$0	\$0	\$0	\$0
Income Fund	0	0	0	0	0
Grants & Contracts	252,036	204,218	235,111	287,962	325,624
Budget Allocation from SIU	99,233	123,766	131,648	119,621	79,418
Interest Income	1,139	734	649	872	1,361
Total Revenues	\$352,408	328,718	367,408	410,455	406,403
Expenditures*					
Budget Expended at SIU	\$99,233	\$123,766	\$131,648	\$119,621	\$79,418
Management and General	246,984	251,948	259,438	264,618	277,660
Depreciation	12,046	13,503	28,457	43,122	43,122
Total Expenditures	\$358,263	\$389,217	\$419,543	\$427,361	\$400,200
Revenue Minus Expenditures	-\$5,855	-\$60,499	-\$52,135	-\$16,906	\$6,203

Staffing (Full-Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	0	0	0	0	0
Staff (4 staff contribute time)	1	1	1	1	1
Total Staffing	1	1	1	1	1

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Carbondale						
2.	Center/Institute	WSIU Public Broadcasting						
3.	Date	February 28, 2020						
4.	Director	Lester E. "Jak" Tichenor (Interim Director)						
4.1	Telephone	618-453-6181						
4.2	E-mail	jak.tichenor@wsiu.org						
5.	Year Established	Academic Year established as recognized by the SIU President, - 1958						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	Office of the Chancellor						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px 10px;">Instructional</td> <td style="text-align: center; width: 40px;">X</td> </tr> <tr> <td style="padding: 2px 10px;">Research</td> <td style="width: 40px;"></td> </tr> <tr> <td style="padding: 2px 10px;">Public Service</td> <td style="text-align: center;">X</td> </tr> </table>	Instructional	X	Research		Public Service	X
Instructional	X							
Research								
Public Service	X							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

Licensed to the Board of Trustees of Southern Illinois University, WSIU Public Broadcasting is an integral partner to the College of Mass Communication & Media Arts on the Carbondale campus. Since 1958, WSIU has provided trusted programming and services that inspire personal growth, community engagement, and a love for learning in people of all ages.

The WSIU stations serve nearly five million people across seven states and beyond through five digital television stations, three radio stations, a website, local production units, and an education and community outreach department. Additional services include the Southern Illinois Radio Information Service (SIRIS), operated by WSIU Radio, which helps over 1,000 individuals who are blind or whose physical condition prevents them from reading stay connected to the world. WSIU also offers professional development in the broadcast industry to hundreds of students each year.

9.2 Mission

WSIU Public Broadcasting exists to improve the quality of life of the people we serve. Through programs, services and outreach, WSIU partners with other community organizations to promote positive change, and to support the academic and public service missions of Southern Illinois University Carbondale.

9.3 Objectives

Provides experiential learning opportunities for students at Southern Illinois University in a wide variety of areas including broadcast, journalism, digital media, community engagement, marketing, and promotions. WSIU provides free over-the-air educational broadcast service to the region with a specific focus on universal access, particularly in rural areas.

10. Advisory Board

10.1 Advisory Board - Membership

WSIU is served by a Friends Board with a primary objective of advocating on behalf of the stations. While the group may provide advice from time to time, we do not refer to them as an advisory board which has a specific definition under grant guidelines with the Corporation for Public Broadcasting.

10.2 Number of Meetings (In This Year) 6

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Scholar Bowl HS Students in Studio for Hi-Q	128	128
2. Community Partnership Organizations	120	120
3. Family Day Attendance at Cedarhurst Mt. Vernon	450	450+
4. Indie Lens Pop Up Attendees	250	250+
5. Individual Outreach contacts	5,800	5,800+

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

WSIU-TV produced & nationally distributed *A Bad Deal: My Vietnam War Story* in May 2019 broadcast by over 30+ PBS member stations. We produced the Governor's Budget Message speech for all ten Illinois PBS member stations and weekly half-hour legislative programs in May. WSIU-TV WSIU Radio partnered with other Illinois public radio stations to produce *The State of Cannabis*, which explored Illinois' legalization of recreational cannabis. WSIU continued as a producing partner of the PBS Online Film Festival and conducted its latest annual family day event at Mount Vernon's Cedarhurst Center for the Arts in April. WSIU-TV also produced *Sounds of the Season*, a one-hour+ holiday music program featuring nearly 30 middle school, high school, and community college choral groups in December.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

Student Success: Offered students experiential learning opportunities in all aspects of the media industry resulting in nearly 8,000 hours of real-world training; worked with over 100 university and community volunteers who contributed over 1,200-hours of service. **Diversity and Inclusiveness:** Held documentary cinema screenings and facilitated discussions at the public library to promote awareness of community issues. **Community Relations:** Maintain a network of strategic community partners to promote education, outreach, and inclusiveness in our communities.

11.4 Evidence of Support for Center/Institute Objectives

WSIU worked with students from throughout the university, including the College of Mass Communication and Media arts to provide hands-on, experiential learning through multiple broadcast productions. These included daily radio news casts, full-length audio programming and national distribution, digital and social media productions, full-length television productions including: River Region Evening Edition, Saluki Sportsview, Scholastic Hi-Q, alt.news 26:46, Lincoln Academy, Illinois Lawmakers, Sounds of the Season, and more. WSIU Radio provided service to over 1,400 subscribers to SIRIS (Southern Illinois Reading Information Service) for the blind and visually impaired. Maintained and operated five full-power television transmitters and three full-power radio transmitters servicing approximately 5-million people in seven states with free over-the-air educational media including local news and information, a full schedule of children's television, and documentary content. Over 450 people attended our annual Family Day at Cedarhurst Center for the Arts in Mt. Vernon; partnered with the Carbondale Public Library to host film screenings and discussions on social issues that impact our viewers and listeners; serve as a platform for local voices that reflect our region's unique personality; historical legacy, values and diversity of opinion through episodes of our Illinois Stories and

RESOURCES: WSIU Public Broadcasting

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	827,203	836,348	888,010	912,265	1,020,584
Operating Grant – CPB	2,539,961	1,137,167	1,177,136	1,146,917	1,165,528
Operating Grant – State of IL	171,010	164,710	0	0	204,803
Project Grants	52,329	21,569	20,149	71,652	74,485
Membership Income	823,292	442,140	478,761	603,906	488,807
Underwriting Income	390,542	432,628	501,616	460,543	434,960
Production Income	42,379	39,142	32,993	33,341	36,952
Tower Income	95,810	59,206	59,206	70,932	80,263
Federal Work Study	18,161	26,423	33,441	32,197	34,000
Direct University Support	450,333	441,662	511,571	427,237	504,040
Indirect/In-Kind SIU Support	1,008,996	995,377	968,697	1,086,659	1,141,589
Other Indirect Support	49,716	40,401	43,162	52,044	48,546
Building & Equip SIU Support	41,747	0	45,401	0	0
Investment Income	4,952	7,770	12,848	(11,549)	16,524
State Benefit Payments	708,015	1,511,307	1,615,649	1,362,695	1,157,647
Misc Income	2,701	3,616	4,368	5,988	1,696
FCC Repack Funding	10,957	0	0	0	0
Total Revenues	7,238,104	6,159,466	6,393,008	6,254,827	6,410,424
Expenditures*					
Programming & Production	2,957,047	3,043,989	3,288,246	3,221,443	3,442,673
Broadcasting & Engineering	1,638,450	1,198,769	1,138,840	1,120,595	1,036,661
Program Info & Promotion	403,992	317,718	362,766	377,666	421,005
Fundraising & Membership	314,786	337,165	350,559	372,959	375,010
Underwriting & Grant	144,420	150,313	258,359	257,230	246,054
Management & General	1,015,643	1,079,059	1,048,571	975,673	928,271
Total Expenditures	6,474,338	6,127,013	6,447,341	6,325,566	6,449,674
Revenue Minus Expenditures	763,766	32,453	(54,333)	(70,739)	(39,250)

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty-Full Time	1.5	1.5	1.5	1.5	1.5
Staff-Full Time	22	22	26	26	30
Student Employees-FTE	15.71	11.33	13.96	12.65	10.32
Total Staffing-FTE	39.21	34.83	41.46	40.15	41.82
Student Employees Number/Yr	56	55	76	97	96

9. Overview

9.1 Description

The STEM Center provides centralized leadership and support for STEM education activities. Programs span from formal and informal education to public outreach. The Center brings together practitioners and researchers from a broad range of disciplines to achieve its goals of improving STEM (science, technology, engineering, and mathematics) understanding and achievement in K-12 and higher education.

9.2 Mission

The STEM Center at SIUE is dedicated to building a community of researchers and educators who together innovate ways to engage students and the public in STEM.

9.3 Objectives

1. Build and support interdisciplinary teams of SIUE faculty to conduct STEM education projects and seek and secure external and internal funding.
2. Provide access to equipment, facilities, and expertise from STEM education research to SIUE faculty and students and the broader community.
3. Facilitate and promote innovations in SIUE undergraduate and graduate STEM teaching.
4. Enhance teaching and learning of STEM for pre-service and in-service teachers.
5. Develop, enhance, coordinate, and promote new and existing STEM-related outreach in the southern Illinois region to enhance STEM literacy.
6. Develop and maintain a comprehensive STEM resource and equipment center for in-service and pre-service teachers, SIUE faculty, and other local stakeholders.

10. Advisory Board

10.1 Advisory Board - Membership during FY 2019

Internal Advisory Group:

Connie Barber, Assistant Professor, Computer Management and Information Systems
Chris Gordon, Associate Dean & Professor, School of Engineering
Lynn Bartels, Professor, Department of Psychology & Faculty Development Director
Kelly Jo Karnes, Director, Kimmel Student Involvement Center
Jessica Krim, Interim Assistant Dean & Associate Professor, SEHHB
Terri Poirier, Associate Dean for Education and Academics, School of Pharmacy
Chaya Gopalan, Associate Professor, Applied Health and Nursing
Barb Nwacha, Chair and Professor, Department of Art and Design
Bill Retzlaff, Associate Dean and Distinguished Research Professor, CAS

External Advisory Group:

Linda Chapman, Vice President of Academic Affairs, Lewis and Clark Community College
Harvey Henson, Director, Southern Illinois University Carbondale, STEM Center
Andrew Reinking, Assistant Regional Superintendent of Schools, Madison Co. ROE
Stephanie Spann, Structural Engineer, David Mason and Associates

Emily Stanley, Girl Experience Manager of STEM
 Kathy Wilson, Executive Director, Boys and Girls Club
 Tom Withee, Physics Teacher, Collinsville High School

10.2 Number of Meetings (In This Year) One internal and one external

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Develop grant proposals as PI and/or collaborator with SIUE departments	5	15
2. Submit peer-reviewed articles for publication	2	6
3. Present findings at conferences	14	22
4. Issue RFP and award Faculty Fellow(s) in undergraduate education	1	1
5. Promote use of lending library	790 direct impact	6,203 direct impact
6. Offer educator professional development	5 sessions	27 sessions
7. Develop and continue community partnerships	2 partnerships	3 partnerships
8. Coordinate STEM community outreach activities	25 outreach events	30 outreach events
9. Provide teaching expertise to SIUE units	6 credit hours	30 credit hours
10. Disseminate STEM Center activities and achievements through press releases	15 press releases	29 press releases

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

The STEM Center submitted and received awards for two large environmental science education programs in FY19 . The National Science Foundation awarded Dr. Georgia Bracey’s proposal, *Y-CITYSCI: A Youth-Led Citizen Science Network for Community Environmental Assessment*. In this program, students investigate issues related to noise, soil, and land cover in their community. These students learn to use sensors and other scientific equipment to collect data and conduct authentic research. Through these activities, we aim to provide students with opportunities to participate in science and see themselves as scientists. The National Institutes of Health-funded *Environmental Health Investigators* program, led by Dr. Sharon Locke, allows students to participate in authentic science by investigating environmental health issues in their community. The program helps students develop their interest in science, as well as scientific and health careers. Combined, these projects will bring in \$2,370,796 in funding. Currently, these funds provide graduate assistantships and research for 7 graduate students.

For the first year, the STEM Center coordinated the regional Botball workshop and tournament. Botball attracts youth from throughout the St. Louis and St. Louis Metro East area to SIUE to construct robots capable of completing specific tasks. The STEM Center’s coordination of Botball provided 7 student teams and an estimated 60 students with the opportunity to learn more about robotics.

The STEM Center hosted the Science and Engineering Research Challenge in March of 2019. Our Science and Engineering Research Challenge continues to attract hundreds of students from throughout southwestern Illinois, and even students outside our region participate. Our Challenge continues to have an outstanding reputation as being well-organized with quality judges who provide critical, yet friendly feedback. We also offer a number of opportunities and awards for students in addition to a chance to compete in the Illinois Junior Academy of Science.

In FY19 the STEM Center expanded programming in partnership with the Mannie Jackson Center for Humanities through funding from the National Recreation Foundation. The STEM Center provides science-based content to girls, ranging from 8 to 14 years old, residing at the four Madison County Housing Authority (MCHA) complexes. Girls learned what plants need to grow, how to plant a raised-bed garden, and how to compost. With funding from the National Recreation Foundation, the STEM Center also took these girls on field trips to various science and cultural destinations throughout the region. We also hosted both boys and girls from the MCHA for a four-day summer camp. We estimate that this program served 48 students and impacted 375 people in Madison County.

The STEM Center completed the second year of our Research Experiences for Undergraduates, funded by the National Science Foundation, and successfully recruited and began the implementation of the third, final year of programming. Students from the 2018 cohort presented their research at the Mississippi River Research Consortium with one student team receiving 2nd place in the student poster competition.

The STEM Center implemented the first year of student programming associated with a National Science Foundation-funded STEM+C award in partnership with the East St. Louis Christian Activity Center and SIUE's Department of Computer Science. STEM Center faculty and staff integrated computational thinking into an established, rigorous STEM curriculum designed for elementary school youth. Funds from this program also support STEM Center Research Fellow Henriette Burns. Ms. Burns joined the STEM Center in September of 2018 and brings expertise as a math and science education researcher to the STEM Center.

The STEM Center hosted a Fulbright US-ASEAN Visiting Scholar, Russasmita Sri Padmi, who works as a STEM education researcher in Indonesia. The STEM Center hosted Sri Padmi in the fall of 2019, where she engaged in learning new strategies and best practices for educational programming, professional development, and community engagement. While with SIUE, Sri Padmi presented her work to several educational groups on campus to help SIUE researchers better understand STEM education in Indonesia, as well as Indonesian culture. Sri Padmi used what she learned while a Fulbright Scholar when she returned to her home country of Indonesia.

The STEM Center piloted the first year of the Community Impact Fellow Program, a competitive fellowship open to tenure-track and tenured SIUE faculty. The Fellowship supports faculty to leverage their existing and active research program to area learners in southwest Illinois. The first year of the program provided funds for faculty to offer a free environmental science summer research academy to high school students, a teacher workshop in mechatronic and robotics, and a STEM and social studies curriculum development experience for in-service teachers.

The STEM Center partnered with the School of Nursing, Provost's Office, and St. Louis Community College on an NSF-funded project to study the best approaches to implementing flipped instruction at scale in STEM classrooms. STEM Center researchers are contributing to data collection and analysis

for the educational research, which is examining how faculty members perceive the benefits and challenges of flipped teaching.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

(1) Support for SIUE Campus Priorities

- a. Prepared and Committed Students: The center provides work experiences in STEM for undergraduate and graduate students, and in collaboration with academic departments provides undergraduate scholarships through the NSF Noyce programs and graduate student assistantships through several other NSF grants. Financial support through these mechanisms increases the likelihood of retention and graduation of STEM students.
- b. Innovative High-Quality Programs: The center consults with SIUE faculty to improve their teaching, and provides instructional support for science content courses for pre-service teachers. The STEM Faculty Fellows Program enables faculty to improve undergraduate education at SIUE by testing innovative approaches to instruction, which in turn helps improve retention. Through Noyce summer intern experiences, undergraduates have the opportunity to gain work experience while in college.
- c. Dedicated Faculty and Staff: The center collaborates with and supports faculty members on grant applications and promotes interdisciplinary research projects, which are a priority for federal funding agencies. The center serves as a partner for broader impacts work required for National Science Foundation proposals, increasing competitiveness of proposals submitted by science and engineering faculty. We also present and publish research in collaboration with faculty and connect faculty with opportunities for community engagement with schools, youth organizations, and the general public.
- d. Outreach and Partnerships: The center is a leading K-12 outreach organization on campus. In addition to youth programs, we provide teacher professional development and equipment loans through the Resource Center. Noyce interns conduct outreach in supervised settings in the community with multiple partners in both the private and non-profit sectors.
- e. Physical and Financial Stability: The center has a high return on investment from grant funding relative to state support of center staff. Grants provide indirect cost recovery for SIUE and the center. Fee-based programs partially support a center staff member, who in turn provides instructional support services to SIUE faculty and students. Central coordination and promotion of materials for loan reduces costs to academic departments.

(2) Support for IBHE State Goals

- a. Increase Educational Attainment: The center is directly addressing the STEM workforce pipeline in Illinois by providing instructional supports to improve student outcomes at both the K-12, undergraduate, and graduate levels. We improve academic preparation and increase motivation in STEM so that Illinois students successfully transition from high school to higher education, and into careers.

- b. **Improve College Affordability:** Center programs provide scholarships, internships, and graduate assistantships through grant awards. Center Director Locke was one of the lead writers for the NSF Noyce grants, which will provide \$1.2 million in funds deposited directly into SIUE Bursar accounts for student scholarships. Through externally funded grant awards, the STEM Center also provides graduate student assistantships for 6 graduate students across several university departments, as well as employment opportunities for early career professionals.

- c. **Strengthen Workforce Development:** The center has a strong focus on supporting evidence-based, hands-on training for future science and math teachers. Our work, in partnership with the School of Education, Health and Human Behavior and College of Arts and Sciences, increases the number of highly qualified teachers in Illinois, with a particular focus on preparing teachers who will be successful in high-needs school districts.

- d. **Link Research and Innovation to Economic Growth:** Involvement of STEM Center faculty and staff in scientific and engineering research proposals increases SIUE’s competitiveness for national funding in basic and applied research that fuels new discoveries with commercialization potential. Outreach and evaluation sections written by center faculty and staff consistently receive positive reviews.

11.4 Evidence of Support for Center/Institute Objectives

(briefly provide any evidence of the center/institute’s support for the unit’s objectives in this year – see 9.3 above)

Objective 1: A primary objective is to facilitate interdisciplinary grant applications. We use our experience to strengthen grant applications and pursue a range of research project types and topics. In FY19 we partnered with 12 SIUE departments/units, as well as 6 external organizations, for submission of over \$12 million in internal and external proposals.

Internal Proposals		
CAS Targeted Funding Initiative (PI)	Environmental Science	\$9,743
Meridian Society (PI)	Coordinated Youth and Human Services	\$2,000
<i>Internal total</i>		<i>\$11,743</i>
External Proposals		
Sustainable Agriculture Research & Education (PI)	Madison County Conservation, Ag Resources, and Environmental Education (CAREE)	\$128,137

NSF Innovative Technology Experiences for Students and Teachers (ITEST) (PI)	Environmental Sciences, Geography	\$1,033,648
NSF Discovery Research K-12 (DRK-12) (Co-PI)	Teaching & Learning	\$447,874
NSF Mid-Scale RI-1 (Senior Personnel)	Mechanical Engineering, Environmental Science, Graduate School, Multiple Business Partners	\$7,291,266
NIH Science Education Partnership Award (PI)	Environmental Sciences, Mannie Jackson Center, Applied Health	\$1,337,855
NSF S-STEM (Co-PI)	Biology (lead) and Teaching & Learning	\$994,609
NSF Advancing Informal STEM Education (AISL) (Co-PI)	Chemistry, Physics, Business	\$298,389
National Recreation Foundation (subaward) (PI)	Mannie Jackson Center for the Humanities	\$70,000
Illinois Humanities Council (PI)	Mannie Jackson Center for the Humanities	\$4,000
NSF Improving Undergraduate STEM Education (IUSE) (PI)	Mississippi State University, Arkansas Archeological Survey	\$300,000
Department of Defense Education Activity (DoDEA) (subaward) (PI)	O'Fallon Township High School District #203	\$33,100
NSF Improving Undergraduate STEM Education Pathways into Geosciences (GEOPathS) (PI)	Environmental Sciences, Geography	\$382,636
<i>External total</i>		<i>\$12,193,377</i>

Objective 2: In FY19 the Resource Center provided materials loans and consulting services that impacted an estimated 1,500 SIUE students and 4,653 K-12 or adult STEM learners.

Objective 3: In FY19 the STEM Center Faculty Fellows Program enabled improvements in undergraduate education at SIUE by testing two innovative approaches to instruction: Dr. Nima Lofti of the Department of Mechanical Engineering promoted the use of open-source hardware and software platforms to make these sources more available to students. Dr. Kathleen Vongsathorn of the Department of Historical Studies researched the integration of STEM and history in undergraduate curriculum.

STEM Center staff selected and trained SIUE freshmen and sophomores to participate in the Noyce summer scholars program. Summer scholars conduct 200 hours of outreach in SIUE youth summer science camps.

11.5 Evidence of Organizational Effectiveness

Organizational Effectiveness in achieving predetermined goals

As shown in Section 11.1, we met or exceeded targets for 10 of our 10 measures. Numbers of visitors to the Resource Center in FY19 included 155 lending library users. The STEM Center also began the process of creating an online inventory for Resource Center users. The online inventory will make reserving and loaning materials more accessible to area educators.

Public Service and Instruction

The Resource Center reached over 1,500 SIUE students and 4,650 other local students with loans of materials to enhance classroom learning. Research has shown that hands-on learning, such as that enabled by our Resource Center materials, has positive impacts on STEM interest, learning, and career choices. Our outreach efforts in FY19 are consistent with our offerings from FY18. We hosted or participated in 30 outreach events in FY19, whereas in FY18 we held or participated in 29 events.

Center faculty and staff taught credit-bearing undergraduate courses in the departments of Environmental Sciences, Geography, Physics, and Anthropology.

Research & Grant Applications

STEM Center revenue through grants and contracts was \$674,371 in FY19, and the Center continues to present and publish findings from its research and education projects in order to enhance the regional and national reputation of the SIU system.

Year	# Scholarly Publications	# Scholarly Presentations	FTE Research Faculty
FY19	26	22	3.2
FY18	10	8	2.7
FY17	6	11	2.2
FY16	21	21	2.5
FY15	7	31	2.7

12. Institutional Assessment

12.1	Date of Last Review	May 2018 (final program review report received)			
12.2	Decision at Last Review	X	Center/Institute in Good Standing		
		_____	Center/Institute Flagged for Priority Review		
		_____	Center/Institute Suspended		
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)			

RESOURCES: SIUE Center for STEM Research, Education, and Outreach

Financial Resources	FY19	FY18	FY17	FY16	FY15
Revenues					
State Appropriations	283,642	212,239	215,000	213,655	253,000
Course Specific Fees	4,775	4,775	4,825	5,125	5,000
Salary Transfer	12,128	0	423	15,225	15,225
Non-Recurring Funds	90,000	0	0	0	0
Income Fund	45,833	44,664	91,572	88,917	57,799
Grants & Contracts	674,371	928,636	760,378	2,381,064	633,909
ICR	75,281	140,886	353,790	171,871	130,542
Foundation	300	1,120	23,493	22,014	72,171
Total Revenues	1,186,330	1,332,320	1,449,482	2,897,871	1,168,345
Expenditures:					
Salaries	492,476	367,509	482,333	464,603	433,169
Grant Collaborators	43,751	83,006	57,498	39,905	15,995
Faculty Fellow	0	4,899	0	0	0

Graduate Assistants	46,751	31,867	52,768	44,191	41,256
Student Interns	0	(59,665)	4,871	26,304	24,000
Student Wages	12,637	12,501	12,486	11,393	12,898
Travel	21,251	9,7884	22,588	20,856	28,954
Equipment	6,936	(1,749)	20,731	7,598	4,269
Commodities	19,744	8,563	21,322	17,374	21,014
Contractual Services	164,319	4,500	962,106	262,858	136,831
Awards	21,150	(344,172)	64,050	24,678	19,600
Scholarships	115,000	152,510	90,533	148,747	172,500
Automotive	720	2,398	1,184	111	817
Telecommunications	4,747	4,311	5,092	4,750	4,334
Benefits	73,353	92,992	125,457	89,526	60,839
Participant Support	77,088	882,832	27,528	24,646	0
Non Mandatory Transfers	170,422	4,409	70,159	39,623	0
Total Expenditures	1,270,315	1,247,945	2,020,724	1,227,164	976,476
Revenue Minus Expenditures	(83,985)	84,375	(571,242)	1,670,706	191,869

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

In FY17 the Center had high expenses associated with grant funds received as revenue in FY16. This is the reason for the large surplus in FY16, followed by a deficit (on paper) in FY17. Note that revenue still exceeds expenditures over those two years.

Staffing (FTE)	FY19	FY18	FY17	FY16	FY15
Tenured/Tenure-Track Faculty	1	1	1	1	1
Research Faculty	2.2	1.7	1.2	2	1.7
Non Tenure-Track Faculty	2	1	1	0	0
Staff	3	3	5	5	4
Total Staffing	8.2	6.7	8.2	8	6.7

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Edwardsville
2.	Center/Institute	Environmental Resources Training Center (ERTC)
3.	Date	1/31/20
4.	Director	Matthew R. Maas
4.1	Telephone	618-650-2214
4.2	E-mail	mmaas@siue.edu
5.	Year Established	1967
6.	Illinois State Statute (if pertinent)	Ill. Rev. Stat., Ch. 144, Sec. 691, et seq
7.	Reporting Unit	School of Engineering
8.	Type	Activity (check all that apply)
	Instructional	
	Research	
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

ERTC is the state of Illinois' training center for water treatment technology. The ERTC educates pre-service students enrolled in the one-year Water Quality Control Operations Program, who wish to enter the water industry. The ERTC also provides continuing education at the center and throughout the state for working operators, who are required to obtain continuing education units or wish to advance their professional certification.

9.2 Mission

The ERTC Mission is to provide quality education in water treatment technology to the people of the state of Illinois. ERTC conveys knowledge and skills to drinking water supply operators to ensure that the citizens of Illinois receive safe and reliable drinking water. ERTC also conveys knowledge and skills to water reclamation plant operators to ensure that the effluent water is of the highest quality and will not degrade the quality of our nation's water.

9.3 Objectives

Provide a comprehensive one-year training program with the Water Quality Control Operations Program for pre-service students.

Provide continuing education for in-service students.

Ensure the availability of continuing education to all operators throughout Illinois and Missouri.

Produce up-to-date training manuals for the water quality industry.

Develop on-line courses to disseminate the knowledge and skills needed in the water treatment industry to operators and the general public.

Continue to provide state-wide training for the mandated Cross Connection Control Device Inspector (CCCDI) program. By Illinois statute, ERTC is the only institution that can provide the required training for CCCDI (Title 35, Subpart F, Chapter II, Part 653.802 para. F, sub para. 2.) (Nov. 1, 1985)

10. Advisory Board

10.1 Advisory Board - Membership

1. Dr. Jianpeng Zhou Professor of Environmental Engineering, School of Engineering, SIUE
2. Dr. Zhi-Qing Lin Professor of Environmental Sciences, College of Arts and Sciences, SIUE
3. Edward Matecki Assistant Director, Facilities Management, SIUE
4. Martin Reynolds Public Works Director (Retired), Roxana, IL
5. Tim Albers Environmental Scientist, American Water Works Co.
6. Patti Schaake Chief Operator, Edwardsville, IL
7. Penny Pinkstaff Public Works Director, Lebanon, IL
8. Becca Coyle Plant Manager, Metropolitan Sewer District, St. Louis, MO
9. John Leezy Utility Superintendent, Glen Carbon, IL

10.2 Number of Meetings (In This Year) 1

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Maintain enrollment in one-year program between 20 – 30 students.	20 to 30 students	20
2. Maintain a pass rate of greater than 80% on the state certification exams.	80%	72%
3. Increase job placement for graduates.	80%	78%

Targets listed are internal goals. Required external targets were met for Madison County WIOA funding. Job placement by 2nd quarter – 74%. Certificate attainment – 66%.

11.2 Major Accomplishments (In This Year)

The ERTC made several changes and had many accomplishments of note for this fiscal year.

Revenue minus expenditures remained strong with a \$109,738 total at the end of FY19. The ERTC saw a decrease in revenue from the one-year *Water Quality Control Operations Program*. This is mainly due to four fewer students at graduation and some outstanding debt on student accounts from the completion of the program. Noticeable increases in all other revenue streams provided income similar to past years. A decrease in expenditures also helped net revenue. The ERTC was able to decrease these expenditures, even with an increase in equipment purchases to upgrade the pilot plant.

Every three years, the ERTC proposes a continuation of the ERTC/IEPA Interagency Agreement. The most recent agreement, which was finalized in October 2018, demonstrated the IEPA's confidence in the future of the ERTC. Most of the basic aspects of the agreement remained the same. The ERTC will continue to run the CCCDI program and manage many aspects of the operator certification programs for the IEPA. The highlighted changes were an increase in general operational funding throughout the three year period and the addition of part five for pilot plant upgrades. The 2015 agreement included \$480,000 of general funding and the 2018 agreement was increased to \$540,000. This marked a 12.5% increase in funding. The pilot plant upgrade item that was proposed for 2018 was the rehabilitation of all tanks in the SIUE Pilot Plant. The rehabilitation proposal included lining the interior of the tanks with a Tnemec paint and painting the external of each tank. This lining should prolong the useful life of the tanks by another 20 years. The request in the proposal for part five was \$273,000. The full amount was approved and the project went out to bid in early 2019. RP Coatings was selected as the contractor and is beginning work in July 2019.

As part of SIUE's Earth Week celebration, ERTC and SIUE hosted the inaugural Water Symposium on April 24, 2019 in the SIUE Mississippi-Illinois Room at the MUC. A collection of various SIUE departments, businesses, municipalities, organizations and students gathered to discuss environmental, technical, and social issues surrounding the world's water supply. The symposium concluded with a networking period. Three faculty members of SIUE presented at the symposium, as well as three external presenters. The organization Give Me Water Lord presented on the social aspects of water and the event was able to raise \$800 in donations for the organization. The ERTC plans to continue this symposium annually.

The ERTC worked with the Montana Department of Environmental Quality to recognize our facility as simultaneous education and experience credit towards certification. This allowed a student interested in moving to Montana to qualify for certification testing. The student has since moved, become certified, and is working in Glendive, MT as an operator.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The ERTC is the designated training center for water treatment technology (drinking water and wastewater) in the state of Illinois.

The ERTC collaborated with NCERC and the School of Chemistry on securing a From the Ground Up grant. This will add the ability to test for Legionella to the ERTC drinking water laboratory.

The ERTC continued to collaborate with the School of Chemistry on their research studies on pharmaceuticals in wastewater. The ERTC ran process control lab analyses on samples collected at the effluent of the aeration basin, MBBR, and MBR.

The ERTC has an interagency agreement with the Illinois Environmental Protection Agency (IEPA). In this agreement, the ERTC runs the Cross Connection Control Device Inspector program and the water/wastewater certification exam committee programs. Additionally, the ERTC is responsible for the grading of all Illinois certification exams in water, wastewater, and cross connection control. This agreement also provides funding for general ERTC operations. A new IEPA interagency agreement was finalized in October 2018 and will run through September 2021.

The ERTC also provides support to the Illinois Pollution Control Board and the Illinois Department of Public Health on wastewater and cross connection regulations.

The ERTC supports, presents, and assists in the development of the annual conferences for Illinois Water Environment Association (IWEA), Illinois Potable Water System Operators Association (IPWSOA), and the Illinois Association of Water Pollution Control Operators (IAWPCO).

The ERTC Director of Water Reclamation is the official Operator-In-Charge (OIC) for the SIUE wastewater treatment plant. The OIC is an IEPA required position of responsibility.

11.4 Evidence of Support for Center/Institute Objectives

The ERTC has enjoyed the full support of the Dean of the School of Engineering for the last fourteen years.

The Madison County Employment & Training Center recognizes the ERTC as an approved training facility for students receiving WIOA funding. Two students were funded via the WIOA program in FY19.

The IEPA has supported the ERTC financially by providing operating funds for 38 years. A new IEPA interagency agreement was finalized in October 2018 and will run through September 2021.

The Metropolitan Sewer District (MSD) of St. Louis hires ERTC graduates almost exclusively when recruiting new plant operators. Five students from the class of 2018 were hired by MSD.

MSD has continued their \$3,500 scholarship for minority and female students enrolled in the one-year Water Quality Control Operations Program. Discussions have been made to adjust funding and present a scholarship that will pay the full tuition dues for a student in future years.

The Urban League of Metropolitan St. Louis exists to empower African Americans and others throughout the region in securing economic self-reliance, social equality, and civil rights. African Americans are severely underrepresented in the water and wastewater industry, so this was a natural partnership. The ERTC works with the Urban League to promote the industry via classes and presentations. The ERTC also works with SLATE and the St. Louis Metropolitan Sewer District to provide financial assistance to any Urban League members that may be interested in ERTC training programs.

A legacy scholarship is available to students who verify that they have a relative working in the water or wastewater field. Recipients receive a \$500 decrease in tuition.

Curry & Associates established the Patrick Curry Memorial Award scholarship in 1983.

The Sylvanus Jackson Memorial Award scholarship was established by IWEA in 1994.

The Anthony J. LaRocca Memorial Award scholarship was established by John LaRocca in 2013.

Additional scholarships include:

SCWPOA Scholastic Award (3 students)

Winslade Memorial Veterans Award (1 student)

MISKA Scholastic Award (3 students)

IAWPCO Scholastic Award (2 students)

MCWPCOA Scholastic Award (3 students)

11.5 Evidence of Organizational Effectiveness

The ERTC graduated 20 students in FY19 (down four students from FY18), but the enrollment is still consistent with historical averages. Revenue increased across the board in all other categories to provide excellent revenue minus expenditure numbers for FY19.

The ERTC continues to provide a high quality training in water treatment technology to water and wastewater treatment professionals. Pass rates for the drinking water certification (71%) and wastewater certification (73%) remain high. The drinking water certification pass rate did not meet the internal performance target, although it remains much higher than the average pass rate of the C water examination (40%). The ERTC did meet the external credential attainment target set forth by Madison County for WIOA funding (66%).

The Illinois EPA and the Missouri DNR recognize ERTC as the premier training center for water treatment technology in the Midwest. Additionally, the Montana Department of Environmental Quality recognized the effectiveness of the ERTC program by offering simultaneous educational and experience credit to student that moved to Montana.

Job placement statistics were extremely strong with 78% of students finding jobs within six months of graduation (14 of 18). Two students could not be reached for a status update. This met the external Madison County WIOA target of 74%.

The ERTC also saw a huge increase in the number of total students trained across all venues in 2019. A total of 987 students were trained in 2018. The total increased to 1142 in 2019.

12. Institutional Assessment

12.1	Date of Last Review	Prior to August 2005. No review has been conducted during the tenure of the past two Directors (Paul Shetley & Matthew Maas).
12.2	Decision at Last Review	<input type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	N/A

RESOURCES: Environmental Resources Training Center

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations					
One-Year Program	146,909	232,206	246,168	272,000	186,000
Grants & Contracts	304,504	278,694	341,687	310,000	241,800
CCCDI Training/Symposium	111,745	100,505	110,845	80,000	90,000
CCCDI Recertification	82,825	65,960	68,000	66,000	45,000
Night Classes	37,080	29,575	41,925	20,000	20,000
Workshops	88,950	82,500	71,475	45,000	35,000
Total Revenues	772,013	789,440	880,100	793,000	617,800
Expenditures*					
Full Time Salaries	432,788	490,469	532,303	399,000	392,160
Adj. Staff & Student Workers	41,480	46,556	46,064	51,000	58,000
Telecom/Communications	6,514	6,561	12,933	14,500	14,500
Commodities	79,914	70,456	74,218	36,000	36,000
Equipment	30,797	9,847	23,807	100,000	50,000
Contract Services (add FY18)	48,570	78,116	N/A	N/A	N/A
Computer	0	0	3,810	21,000	8,400
Travel	22,212	31,798	36,353	14,000	14,000
Marketing	0	0	30,658	10,000	10,000
Total Expenditures	662,275	733,803	750,146	645,500	583,060
Revenue Minus Expenditures	109,738	55,637	129,954	147,500	34,740

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	0	0	0	0	0
Staff	7	7	7	7	6.5
Total Staffing	7	7	7	7	6.5

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Edwardsville						
2.	Center/Institute	IL Small Business Development Center (SBDC) for the Metro East at SIUE						
3.	Date	3-4-20						
4.	Director	Giovanna May						
4.1	Telephone	618.650.2929						
4.2	E-mail	gdimagg@siue.edu						
5.	Year Established	1984						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	School of Business						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">Instructional</td> <td style="border: 1px solid black; width: 70%;"></td> </tr> <tr> <td style="padding: 2px;">Research</td> <td style="border: 1px solid black;"></td> </tr> <tr> <td style="padding: 2px;">Public Service</td> <td style="border: 1px solid black; text-align: center;">X</td> </tr> </table>	Instructional		Research		Public Service	X
Instructional								
Research								
Public Service	X							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The Illinois Metro East SBDC at SIUE operates 2 offices (SIUE –Edwardsville Campus and East St. Louis Higher Education Campus) and an International Trade Center to assist entrepreneurs and small business owners in the designated 9 county region of Southwest Illinois.

9.2 Mission

To Provide Professional Guidance for Business Growth. The Illinois SBDC for the Metro East at SIUE assists entrepreneurs and companies in defining their path to success. The SBDC positively impacts the Metro East Illinois region by strengthening the business community, creating and retaining new jobs, and encouraging new investment. Furthermore, the SBDC enhances Metro East Illinois economic interests, providing one-stop assistance to individuals by means of counseling, research, and advocacy for new ventures and existing small businesses.

The IL SBDC-ITC prepares companies for long-term international success through its export readiness and expansion programs

9.3 Objectives

- Deliver effective and relevant services that address client needs and contribute to business growth and job creation.
- Develop long-term relationships with clients that have significant opportunities to grow and create jobs in Illinois.
- Utilize partnerships to advocate for small businesses and promote an entrepreneurial culture.
- Support the goals and objectives of both the SIUE School of Business and the University at large.

10. Advisory Board

10.1 Advisory Board - Membership

SBDC—Established Jan 2019 *First meeting held March 19, 2019*

ITC- Southwest IL Trade and Investment Council

In lieu of having its own advisory board, the International Trade Center is a founding member and co-leads the Southwestern Illinois Trade and Investment Council (SWILTIC), which supports and provides direction for the ITC. The SWILTIC is the first of its kind in Illinois. The Council's board meets regularly four times a year.

<http://swillinoistrade.org/Council>

<http://www.siu.edu/business/itc/sw-ill-trade-investment-council.shtml>

10.2	Number of Meetings (In This Year)	SBDC- 1 meeting	ITC- 4 meetings
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11. Annual Performance FY19

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Number of Jobs Created (SBDC)	40	24
2. Number of Business Starts (SBDC)	16	12
3. Number of Clients Advised (SBDC)	125	521
4. Number of Clients Advised (ITC)	55	97
5. Client Exports (ITC)	\$20,000,000.00	\$ 44,278,843.14

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, and public service activities.

11.2 Major Accomplishments (FY19)

<p>SBDC:</p> <p>Advised 410 Clients and helped them secure over \$ 1 Million in Funding through more than 1436 hours of contact.</p> <p>Supported Belleville, Granite City, Edwardsville, Monroe/Randolph County and Riverbend High School CEO Programs</p> <p>Cohosted 2nd Annual Veteran’s Road Show</p> <p>Hosted 5th Annual Metro East Startup Challenge promoting Entrepreneurship and Innovation in St. Louis Region</p> <p>Cohosted 4th Annual Small Business Day</p> <p>Hosted 1st SBDC supported Government Contracting Workshop for the area</p> <p>Conducted and/or Hosted 38 Workshops/Training Sessions with approximately 740 attendees</p> <p>Published 20 Success Stories celebrating our local Entrepreneurs and Small Business Owners.</p> <p>ITC:</p> <ul style="list-style-type: none"> Accomplished a very productive trip to South America in late March, visiting 13 trade/commerce organizations and 4 academic institutions in Santiago, Chile and Lima, Perú. A partnership agreement and a Memorandum of Understanding have been recently signed with Universidad de Lima (the first SIUE partnership in South America) and a separate agreement is being finalized with Universidad de Chile. A longtime client, MSSC LLC (Collinsville), joined the ITC’s trade mission. The mission was held March 24th – April 1st. According to a preliminary post-mission survey, MSSC reported 7 matchmaking appointments, 5 sales leads and \$5,000 in actual sales generated from the mission and \$30,000 in expected sales within the next 12 months.

- Two new distributors signed agreements with our client, one to cover Chile and the other Perú.
- Facilitation and organization of a high-level trade delegation visit from Perú, led by top officials from the American Chamber of Commerce in Lima and SUNAT (Peruvian Customs). They have accepted the ITC's invitation to travel to our region in 2020. This public-private delegation will spend a week learning and sharing about cargo, customs and trade practices in general. This reverse trade mission will give SW IL businesses an opportunity to meet with the delegates and showcase their products and services. Participants will learn more about doing business with Perú, trade opportunities, establish new business partnerships, and gain market intelligence.
- Facilitated connection between AMCHAM Perú, ITC, and MidAmerica Airport to start exploring opportunities of collaboration towards a subsequent mission that could focus on agribusiness opportunities to capitalize on the unique facilities that LIM and BLV have, mainly: refrigerated handling. Other trade commodities that could benefit from high-speed, high-care shipping opportunities: pharmaceuticals, electronics, medical devices/equipment, just-in-time parts, etc.
- Sponsored/Co-sponsored three seminars / conferences with very positive feedback. Over 200 business representatives from the bi-state region participated.
- Partnered with the University of Missouri International Trade Center, in conjunction with the Trulaske College of Business in bringing two successful clients to the inaugural Mid-America Trade Summit held Nov. 14-15 at the University of Missouri. These two experienced exporting businesses based in Collinsville, represented the State of Illinois, were honored during the event and also delivered insightful presentations to an audience of over 100 delegates from six Midwestern states.
<https://www.riverbender.com/articles/details/inaugural-midamerica-trade-summit-honors-itc-at-siue-clients-32673.cfm>
- Continued providing specialized assistance regarding Latin America.
- Sponsored 8 businesses in the southwestern region with their participation in trade missions and shows in Canada, Mexico, Europe and South America. These clients were also assisted with research work performed by SIUE graduate students as well as international exchange students through the ITC's International Business Consulting Project series.
<https://www.siue.edu/news/2018/11/ITC-at-SIUE-Boosts-Clients-Global-Success.shtml>
- On October 5, the ITC along with the SBDC co-sponsored for the third consecutive year "Immigrants in our Midst: One Nation"—a regional conference which highlighted the changing of demographics, provided updates on legislative issues, community policing, community organizing, access to health, career development, and frequently faced roadblocks.

- Continued collaborating with World Trade Center St. Louis, St. Louis Regional Chamber of Commerce, the U.S. Department of Commerce, the Small Business Administration and Missouri International Trade & Investment Office to further develop the St. Louis Trade Commission, a task force responsible for helping regional businesses and organizations find information about exporting and opportunities in foreign markets.
- Collaborated with the School of Business in the offering of two international marketing research projects:
 1. Online course MKTG 595: Worked with faculty member Dr. Yuping Zeng and business students as part of the graduate course MKTG 595: “Competing in Emerging Markets”. Student teams prepared international marketing research reports for ITC client Turner Scientific LLC (Jacksonville).
 2. Research report developed during spring/summer semester 2018 by two outstanding exchange students from the University of Turin in Italy, on behalf of a longtime client of the ITC, Marsh Shipping Supply Co., LLC, an exporting manufacturer located in Collinsville, looking to set up a distributorship in Italy.

<https://www.ibjonline.com/2018/06/14/international-business-collaboration-gives-siue-grads-competitive-edge-supports-local-company/>

- Continued expanding the ITC’s access to online marketing databases of potential clients as well as industry and country statistics.
- Provided additional consulting work to businesses in the Central and Southern regions (outside our “official” service area).
- Conducted major updates to the ITC’s website. The site contains up-to-date information about the International Trade Center Network, DCEO’s Office of Trade and Investment Network, upcoming programs and events in the entire region, trade directories, Export Guides (Spanish/English) and several other resources.

The ITC’s site is regularly visited by all its clients, partners and contacts in southern Illinois, the state and beyond. The website can be accessed at www.siue.edu/business/itc.

- ITC’s director, Silvia Torres Bowman was featured among a select group of Southwestern Illinois business professionals as ‘difference makers and some of the most influential people in the Illinois business community.’ As published in the December 2018 issue of the St. Louis Small Business Monthly, ‘...they are individuals we all believe all business owners in Southwest Illinois need to know.’

<https://www.siue.edu/news/2018/11/ITC-at-SIUEs-Torres-Bowman-Among-People-to-Know-in-Southwest-Illinois.shtml>

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

Provided business counseling and/or support to more than 70 SIUE students (Clients, Students, Alumni and Entrepreneurship Club) in CY2019; organized efforts to foster and promote innovation and entrepreneurship on campus; and strengthened SIU system to the community through coordinated outreach efforts, social media campaign, and community partnerships. For example, collaborating with various departments to offer students the opportunity to work with small business clients and gain real world experience in Marketing, Art/Design, Engineering and Web Design.

11.4 Evidence of Support for Center/Institute Objectives

As stated above – 410 SBDC client contacts, over \$44M in ITC client exports; 38 SBDC training sessions.
 Starting a Small Business Workshop is offered at no cost to SIUE students
 Center supports SIUE Entrepreneurship Club & the Other 40 Competition. Spoke to various classes throughout Fall 2018 and Spring 2019
 Recommend clients to participate in class projects for Mass Comm., MGMT 475/476 and MGMT 595
 The ITC actively participated in the class project for MGMT 595 “Competing in Emerging Markets” (spring semester-’19) –see details on previous page.
 Promotes SIUE’s vision of Entrepreneurship and Innovation within the communities we serve

11.5 Evidence of Organizational Effectiveness

During FY2019, the SBDC and ITC met or exceeded the goals in a majority of its performance measures and achieved 81% or greater in 21 of 28 total measures.

12. Institutional Assessment

12.1	Date of Last Review	Financial Review 2017 Performance Review 8/30/18	
12.2	Decision at Last Review	X	Center/Institute in Good Standing
			Center/Institute Flagged for Priority Review
			Center/Institute Suspended
12.3	Explanation	2018 SBA and DCEO Reviews 8/30/18	
		Financial Review 2017	

RESOURCES: IL SBDC for the Metro East at SIUE

Financial Resources	CY2019	CY2018	CY2017	CY2016	CY2015	CY2014
Revenues						
State Appropriations	124,388	157,523	111,475	144,416	150,826	159,945
Income Fund	15,016	12,315	8,843	11,545	23,807	18,990
Grants & Contracts	185,000	180,000	180,000	122,827	189,000	189,000
Total Revenues	324,404	349,838	300,318	278,788	363,633	367,935
Expenditures*						
Salaries/Fringes	256,460	277,062	217,863	225,661	284,024	295,657
Commodities	4,460	2,824	3,941	4,116	3,103	6,967
Contractual	42,982	28,042	0	36,109	34,205	42,967
Travel	15,555	15,403	13,851	13,189	13,052	12,832
Consultants/Indep. Contractors	0	0	16,000	0	0	0
Equipment	0	155	0	0	0	0
Telephone/Other	4,432	4,569	42,209	12,851	5,479	5,931
Total Expenditures	323,889	328,055	293,864	291,836	339,863	364,354
Revenue Minus Expenditures	515	21,783	6,454	(13,048)	23,770	3,581

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2018	FY2017	FY2016	FY2015	FY2014
Faculty	0	0	0	0	0
Staff	3	3	3	4	4
Total Staffing	3	3	3	4	4

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Edwardsville						
2.	Center/Institute	National Corn-to-Ethanol Research Center (NCERC at SIUE)						
3.	Date	March 6, 2020						
4.	Director	John Caupert						
4.1	Telephone	618-659-6737 ext. 226						
4.2	E-mail	jcaupert@ethanolresearch.com						
5.	Year Established	Money Appropriated in 1997, Ground Breaking 2001, Opening October 2003.						
6.	Illinois State Statute (if pertinent)	Southern Illinois University Management Act, Public Act 095-099						
7.	Reporting Unit	The Graduate School						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Instructional</td> <td style="text-align: center; padding: 2px;">x</td> </tr> <tr> <td style="padding: 2px;">Research</td> <td style="text-align: center; padding: 2px;">x</td> </tr> <tr> <td style="padding: 2px;">Public Service</td> <td style="text-align: center; padding: 2px;">x</td> </tr> </table>	Instructional	x	Research	x	Public Service	x
Instructional	x							
Research	x							
Public Service	x							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The NCERC at SIUE is a nationally recognized research center dedicated to the development and commercialization of biofuels, specialty chemicals and other renewable compounds. The Center's fully functional dry grind pilot plant and laboratories are equipped with advanced biofuels capabilities including corn fractionation, pretreatment, and a fermentation suite with 5, 30, 150 and 1500L scale-up. Clients and collaborators benefit from the ability to take their process from the lab to intermediate scale to pilot scale, all in the convenience of one state-of-the-art facility. The Center's engineers, operators, and scientific analysts also provide a range of educational and training opportunities, including internships, courses, workshops, and corporate training programs.

9.2 Mission

- **Advocacy:** To advocate, educate, and motivate consumers and elected officials on the benefits of biofuels
- **Commercialization:** To facilitate the commercialization of new technologies for producing bio-based materials
- **Research:** To utilize our relationships with government, industry, academia and trade to conduct contractual and grant-funded research
- **Education:** To develop and provide the hands-on training to prepare the bioeconomy workforce of tomorrow.

9.3 Objectives

- Educate and inform consumers and policy makers on biofuels benefits and policy needs
- Assist industry, trade, and academic research partners in commercialization of new products and technologies.
- Lead and collaborate on research projects designed to increase efficiency, develop new products, or otherwise investigate bio-based products and materials
- Provide hands-on learning opportunities, training, and education to students, displaced workers, and industry employees

10. Advisory Board

10.1 Advisory Board - Membership

13 Member Governor Appointed Ethanol Research Advisory Board:

1. President of Southern Illinois University who shall be Chairman;
2. Director of Commerce and Economic Opportunity;
3. Director of Agriculture;
4. President of the Illinois Corn Growers Association;
5. President of the National Corn Growers Association;
6. President of the Renewable Fuels Association;
7. Dean of the College of Agricultural, Consumer, and Environmental Science, University of Illinois at Champaign-Urbana; and

8. Six at-large members appointed by the Governor representing the ethanol industry, growers, suppliers, and universities.

The Advisory Board shall meet at least annually or at the call of the Chairman. At any time a majority of the Advisory Board may petition the Chairman for a meeting of the Board. Seven members of the Advisory Board shall constitute a quorum.

NCERC Stakeholder Advisory Board:

Due to absence of a quorum of the Governor Appointed Advisory Board, since 2012 the NCERC created a Stakeholder Advisory Board. This Board consists of representation of industry, academia, industry and trade. In addition, the SIU President and the SIUE Chancellor have participated in these meetings.

Under the guidance of SIUE and SIU administration, repeated attempts have been made to encourage the Illinois Governor to fill these positions, including a list of recommendations sent to then Gov. Bruce Rauner by Illinois’s congressional delegation. With Gov. JB Pritzker’s election in FY2019, the NCERC is coordinating new efforts with appropriate SIUE and SIU administrative and legislative contacts.

10.2 Number of Meetings (In This Year)

The Advisory Board shall meet at least annually or at the call of the Chairman. At any time a majority of the Advisory Board may petition the Chairman for a meeting of the Board.

The NCERC Stakeholders met Thursday, October 24

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Presentations	10	6
2. Publications	2	1
3. Grant Awards and Contracts	12	13 – Primarily Contracts
4. Outreach	25	34
5. Policy/Legislative Advocacy	10	12

11.2 Major Accomplishments (In This Year)

- \$2.5 million contractual project with DuPont
- Re-emergence of start-up companies in biofuels industry
- NCERC conducted four contractual research projects on Generation 1.5 biofuels, paving the way for commercial adoption of these technologies.
- For the first time in the 15 year history of NCERC, a commercial production contract of a biopolymer was conducted in its pilot plant. The biopolymer is a direct one-to-one replacement for petroleum-based polymers, resulting in a cleaner and greener environment.

- By working with Illinois EPA, NCERC successfully applied for and was awarded a Land Application Permit for liquid waste products. This effort was highlighted at the President/CEO/Board level of international company, DuPont.
- NCERC conducted application with SIU Office of Technology Transfer on NCERC's starch methods.
- NCERC provided sound, scientific data for U.S. EPA to release its document, "Guidance on Qualifying an Analytical Method for Determining the Cellulosic Converted Fraction of Corn Kernel Fiber Co-Processed with Starch" for the U.S. corn ethanol industry.
- NCERC assisted the National Institute of Standards and Technology (NIST) with starch reference material making for the corn ethanol industry.
- NCERC assisted the U.S. Department of Energy Bioenergy Technology Office to come up with the idea of the "Corn Kernel Fiber Workshop."
- NCERC wrapped up a one-year sampling solicitation of DDGS from Illinois ethanol plants through a sponsored project funded by the Illinois Corn Marketing Board, the Coproducts Project.
- NCERC worked with the Department of Chemistry at SIUE to hire Dr. Jie Dong, an Assistant Professor of Fermentation as a joint faculty member between the two departments.
- NCERC was one of 77 award recipients for The Inspiring Programs in STEM award featured in September's issue of the Insight into Diversity magazine, the oldest and largest diversity and inclusion publication in higher education.
- NCERC unveils an updated and relocated Siemens SIMIT Laboratory. The lab was relocate to the Biotechnology Laboratory Incubator (BLI) located next door to NCERC's facility. The partnership with Siemens is one of multiple offerings that NCERC provides as workforce training in the refining and processing industries. NCERC also utilizes the lab to offer classroom instruction and provide hands-on learning.
- USDA E3 Fueling Growth project held a kick-off event hosted by the Monroe County Economic Development Corporation in partnership with SIUE and the University of Illinois Extension. The grant initiative is led by NCERC Faculty Collaborator Dr. Bob Dixon and NCERC Assistant Director for Communications, Education and Workforce Initiatives Courtney Breckenridge.
- NCERC Graduate Assistant Krista Russell was the 2019 student scholarship recipient recognized at the Renewable Fuels Association's National Ethanol Conference. RFA and the Renewable Fuels Foundation scholarship provides students enrolled in higher education with complimentary registration to the conference, giving scholarship recipients the chance to connect with hundreds of leaders, policymakers, and experts associated with the renewable fuel industry. Russell was also awarded the National Corn Growers Association William C. Berg Academic Excellence in Agriculture scholarship aware and was recognized at Commodity Classic in Orlando, Florida.
- NCERC hosted United States Congressman Rodney Davis (R-IL-13) and U.S. Congresswoman Lisa Blunt Rochester (D-DE) and other Bipartisan Policy Center visitors as part of the American Congressional Exchange Program.
- NCERC conducted sponsored research projects including one collaborative project with SIUC CFAAS that involves feeding ethanol coproducts to tilapia, opening new markets for coproduct utilization in the aquaculture industry, and one in collaboration with SIUE Department of Chemistry screening for risk factors in ethanol coproducts.

- NCERC wrote a technology review paper on the state-of-the-art corn kernel fiber technology, "Conversion of Corn-Kernel Fiber in Conventional Fuel-Ethanol Plants."

Funded Grants

Breckenridge, C., Poepsel, M., Biofuels Digest, SIUE, Excellence in Undergraduate Education Program, BLOWIRE, \$50,000.00 7/1/2018

Zhang, Y., Tucker, K., Illinois Corn Marketing Board, NCERC, SIUE Department of Chemistry, Preliminary Study of Antibiotic Residues in DDGS, \$35,316 8/1/2018

Zhang, Y., Kwasek, K., Illinois Corn Marketing Board, SIUC CFAAS, Relieve World Hunger with Corn Protein from Midwest, \$58,041 10/1/2018

11.3 Evidence of Support for State, SIU System, and SIU Campus Priorities

State Priorities

State law requires the NCERC to form collaborative research teams; to provide training and services to the ethanol industry; to coordinate industry research needs by pursuing external funding sources; to provide hands-on training for the biofuels workforce; to serve as an independent, third-party validator; to advocate for renewable energy; to provide consultation services; and, to develop demonstration projects. With more than 65 technologies now in the commercial marketplace, NCERC has provided valuable services to the biofuels industry, students, government agencies, and society as a whole.

SIU System Priorities

Through its partnerships with SIUC researchers, NCERC creates research opportunities for faculty and students across the SIU system.

SIUE Campus Priorities

NCERC continues to support SIUE's core mission of undergraduate education by providing educational opportunities to countless SIUE student workers, graduate students, and interns. The NCERC has also developed two new undergraduate "focus areas" within the Integrative Studies baccalaureate program at SIUE. NCERC has generated millions of dollars in funding from competitive grants and private client contracts. A significant portion of these funds have been returned to SIUE in the form of indirect dollars, which support the University's operating expenses and administrative services.

11.4 Evidence of Support for Center/Institute Objectives

The NCERC achieves its objectives through its mission of ACRE: Advocacy, Commercialization, Research, and Education. As the legislative, educational, and industry-focused service and activities demonstrate, NCERC worked hard to fulfill its reputation as a private/public partnership that works in FY19.

Legislative Outreach

- Environmental Protection Agency – Submitted Comments
 - The NCERC submitted comments to the EPA regarding the 2019 Renewable Volume Obligations (RVOs)
- Illinois Ag Legislative Day

- Environmental Protection Agency – Submitted Comments
 - The NCERC submitted comments to the EPA regarding increasing ethanol volume blending to 15%
- Congressman Davis Agriculture Advisory Committee
 - NCERC Director John Caupert serves on the Agriculture Advisory Committee of U.S. Congressman Rodney Davis (IL-13), serving as the biofuels industry advisor.
- Congressman Bost Agriculture Advisory Committee
 - NCERC Director John Caupert serves on the Agriculture Advisory Committee of U.S. Congressman Mike Bost (IL-12), serving as the biofuels industry advisor.

Committees

Director John Caupert serves on the following committees and boards:

- Agriculture Advisory Council – 12th Congressional District of Illinois
- Agriculture Advisory Council – 13th Congressional District of Illinois
- Alternate Fuels Commission – Governor Appointee
- American Coalition for Ethanol (ACE)
- BIO
 - Communications Committee
 - Federal Government Relations Committee
 - State Government Relations Committee
 - Biobased Products Working Group
 - Biofuels Working Group
- BioSTL Coalition
- Governor’s Proclamation – Manufacturing and Job Creation
- Growth Energy
 - Team Leader of Biofuels Congressional Fly-Ins
- Illinois Corn Growers Association
- Illinois Farm Bureau
- Illinois Policy Action Network
- International Fuel Ethanol Workshop
 - Strategic Planning Committee
- National Corn Growers Association
- Renewable Fuels Association
- Southern Illinois University – College of Agricultural Sciences
 - Executive Leadership Board
- St. Louis Regional Chamber
 - Illinois Public Affairs Committee; Energy and Environment Committee
- St. Louis Agribusiness Club – Congressional Committee
- United States Secretary of Defense – Patriotic Employer
- United States Senate – Rural Summit, Illinois Representative of Senator Dick Durbin

NCERC staff also serve on the following committees and boards:

- Lewis and Clark Community College Process Operations Technology Advisory Board

- St. Louis Agribusiness Club
- Session Chair for application of analytical chemistry in biofuels and bioproducts for Pittcon 2019
- Joint BioEnergy Institute Industrial Advisory Committee
- SIUE Graduate Student Thesis Committee
- Shimadzu SPARQ Lab Committee
- SIUE Faculty Search Committee

Conferences and Visits

SIU Field Day

July 12, 2018
Belleville, IL

National Corn Growers Association, Corn Congress + Ethanol Action Team meetings

July 16 – 19, 2018
Washington, DC

BIO World Congress

July 16-19, 2018
Philadelphia, PA

Renewable Fuels Association Board Meeting

July 18, 2018
Washington, DC

Illinois Farm Bureau

July 31, 2018
Bloomington, IL

Illinois Farm Bureau Farm Income & Innovations Conference

August 1, 2018
Bloomington, IL

Agriculture Policy Forum with Congressmen Shimkus, Davis, LaHood, and Bost

August 14, 2018
Springfield, IL

American Coalition for Ethanol Annual Conference

August 15 – 17, 2018
Minneapolis, MN

JBEI Annual Meeting and Advisory Committee Meeting

August 20 - 21, 2018
Sanoma, CA

Siemens Corporation visits NCERC

August 20 - 22, 2018
Edwardsville, IL

NCERC visits Southern Illinois University Carbondale - College of Ag Sciences

August 29 - 30, 2018
Carbondale, IL

Meeting with US EPA

Washington, DC
September 10, 2018

Growth Energy Biofuels Summit

Washington, DC
September 10-13, 2018

NHRA Midwest Nationals

Madison, IL
September 21-23, 2018

Renewable Fuels Association Annual Membership Meeting

Kansas City, MO
October 2-3, 2018

SIUC College of Agricultural Sciences Executive Leadership Meeting

Carbondale, IL
October 5, 2018

Fuel Ethanol Laboratory Conference

Omaha, NE
October 16, 2018

NCERC Annual Stakeholder Meeting

Edwardsville, IL
October 17, 2018

Export Exchange

Minneapolis, MN
October 22-24, 2018

Advanced Bioeconomy Leadership Conference (ABLC)

San Francisco, CA
November 6-9, 2018

IL DCEO Deputy Director Julio Rodriguez Visit

NCERC
November 15, 2018

Meeting with Tyson Foods

Springdale, AR
November 26, 2018

Meetings with federal agencies, trade organizations, and Congressional visits

Washington, DC

December 4-6, 2018

SIUE "History and Chemistry of Biofuels" class tour

NCERC

December 8, 2018

Visit with Chinese Bioethanol Industry Leaders

Beijing, China

December 2018

Illinois Renewable Fuels Summit 2019

Des Moines, IA

January 29, 2019

Congressional Fly-Ins

Washington, DC

January 2019

Growth Energy Executive Leadership Conference

Palos Verdes, CA

Feb. 6-9

Renewable Fuels Association - National Ethanol Conference

Orlando, FL

Feb. 11-13

SIUC College of Agricultural Sciences Leadership Committee Meeting

Carbondale, IL

Feb. 22

Commodity Classic

Orlando, FL

Feb. 26 - March 2

BETO Project Peer Review

Denver, CO

March 4-8

Ethanol: Emerging Issues Forum

La Vista, NE

March 7-8

Pittsburgh Conference & Expo

Philadelphia, PA

March 17-21

Ag Legislative Day at State Capitol

Springfield, IL

March 19

Lewis & Clark Community College Career Fair

Godfrey, IL

April 3

Meetings with federal agencies

Washington, D.C.

April 2-4, 2019

Advanced Bioeconomy Leadership Conference

Washington D.C.

April 3-5

SIUE Chemistry Club Tour

The NCERC

Edwardsville, IL

April 12

BioWire Tour at Osborn Barr + Paramore

St. Louis, MO

April 16

American Chemistry Society Regional Meeting

The NCERC

Edwardsville, IL

April 18

Distillers Grains Symposium

Bloomington, MN

May 15-16

Novozymes North America, Inc

Durham, NC

May 22

Fuel Ethanol Workshop

Indianapolis, IN

June 10-12

11.5 Evidence of Organizational Effectiveness

Organizational Effectiveness:

The NCERC far exceeded its target performance measures for the year. While the NCERC set a target of 56, we completed this fiscal year with 65. In other words, the NCERC exceeded its target performance measures by 116%.

The NCERC, was repeatedly called upon, in the form of "Outreach" to communicate on the impact on Biofuels Research and Development, based on biofuels ruling proposals made by the Federal EPA.

The one area where the NCERC fell short of target performance was in the area of

presentations. The NCERC set a target of conducting a presentation per month, for the fiscal year, and came up short. This can be explained by the extraordinary amount of time spent by the NCERC on Outreach, as explained directly above.

12. Institutional Assessment

12.1 Date of Last Review Last meeting of the Illinois Ethanol Research Advisory Board, 2012

12.2 Decision at Last Review

Center/Institute in Good Standing

Center/Institute Flagged for Priority Review

Center/Institute Suspended

12.3 Explanation (briefly provide any explanation necessary of the institutional assessment)

RESOURCES: NCERC at SIUE

Financial Resources	FY19	FY18	FY17	FY16	FY15	FY14
Revenues						
Beginning Cash	4,014,258	2,940,561	1,479,284		(634,547)	(121,822)
State Appropriations	1,300,000	1,412,950	293,310	293,198	345,000	441,500
Client Contractual Research	2,808,926	4,485,600	2,953,942	3,565,655	2,669,000	1,365,904
Grants	143,357	703,860	504,825	767,915	425,000	150,000
Other Revenue	115,699	289,788		310,567	0	0
Foundation	100,000	59,402	137,000	140,000	100,000	100,000
Total Revenues	4,467,982	6,951,600	5,368,361	5,077,335	2,904,453	2,057,404
Expenditures*						
Salaries	1,069,542	1,813,360	1,273,341	1,377,000	1,200,000	1,110,658
Fringe Benefits	170,103	328,045	300,076	598,549	320,000	257,237
Operational Expenses	1,546,517	2,290,490	854,384	1,366,244	1,401,000	1,324,056
Total Expenditures	2,786,162	4,431,895	2,427,800	3,341,793	2,921,000	2,691,952
Cash + Revenue Minus AR and Expenditures	5,696,078	4,014,258	2,940,561	1,735,542	(16,547)	(634,547)

Staffing (Full Time Equivalent)	FY19	FY18	FY17	FY16	FY15	FY14
Faculty	4	5	1	1	1	1
Staff	36	40	22	16	16	15
Student Workers, Interns, GA's	15	30	22	15	4	3
Post Doc – Research Fellows	0	0	0	2	2	2
Total Staffing	65	75	45	34	23	21

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	SIUE
2.	Center/Institute	University Museum
3.	Date	3/30/2020
4.	Director	Erin Vigneau-Dimick
	4.1 Telephone	618-650-2996
	4.2 E-mail	evigneau@siue.edu
5.	Year Established	1979 - Established as "The Office of Cultural Arts and University Museum Programs"; 1983 - renamed "University Museum". (Originally named "The Office of University Cultural Arts Services" (UCAS) 1977)
6.	Illinois State Statute (if pertinent)	N/A
7.	Reporting Unit	College of Arts & Sciences
8.	Type	Activity (check all that apply)
	Instructional	X
	Research	X
	Public Service	X

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

The University Museum (UM) of Southern Illinois University Edwardsville, founded in 1979, is a repository and interpretive center whose interdisciplinary collections include more than 32,000 two- and three-dimensional objects of fine art, architecture, history, ethnology, archaeology and the natural sciences. Highlights of the collection include the Louis Sullivan Ornament Collection donated by the architectural photographer Richard Nickel and the Harrington Collection of over 15,000 artifacts with strengths in Native American, Asian and African ethnology, as well as fossils from Cenozoic through Paleozoic eras.

9.2 Mission

The University Museum (UM) supports the instructional, research and public service functions of Southern Illinois University Edwardsville through the collection, interpretation, preservation, presentation and exhibition of tangible, physical objects to its students and the greater community which it serves.

9.3 Objectives

1. Provide access to university sponsored museum collections, expertise and facilities, for object-based education and research to SIUE faculty and students and the broader community.
2. Enhance teaching and learning by providing meaningful opportunities for hands-on experiential learning within and outside of the classroom.
3. Encourage and facilitate research engaged with the museum's culturally diverse art and artifact collection for faculty, students, independent scholars and members of the general public.
4. Serve as a visitor gateway to the campus and the University through outreach events, programming, and interactive experiences.
5. Act as responsible stewards for the publicly owned collections of the university.

10. Advisory Board

10.1 Advisory Board - Membership

The SIUE University Museum Advisory Council (UMAC)

- Associate Professor Laura Milsk-Fowler; History Dept.
- Associate Professor Cory Willmott; Anthropology Dept.
- Associate Professor Barbara Nwacha; Chair, Art & Design Dept.
- Associate Professor Luci Kohn; Biology Dept.
- Professor Caroline Pryor; Department of Teaching and Learning
- Professor Denise Cobb; Provost and Vice Chancellor for Academic Affairs
- Doug McIlhagga; Executive Director, SIUE Marketing and Communications
- Diane Schrage, Director, The Art and Heritage Initiative
- Professor Gregory Budzban; Dean, College of Arts & Sciences

- Erin Vigneau-Dimick; Executive Curator, University Museum
- Kyle Moore: Director of Development, SIUE Foundation
- Dana Lewis; Masters Candidate, SIUE Integrative Studies

10.2 Number of Meetings (In This Year) 2 Full Council meetings

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. External Exhibits	1 exhibit	2 exhibits
2. Internal Exhibits	1 exhibit	2 exhibits
3. Academic Research (Faculty and Student)		165 researchers
4. Public/Scholarly Research		25 researchers
5. Lectures/programming	2 lectures	5 lectures
6. External Grants (proposed or awarded)	1 grant	1 grant
7. Objects inventoried	Approx. 300 objects	Approx. 440 objects

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

1. Exhibits (4)
 - **Active Integrated Sustainable Learning Environments (AISLE) project**
SIUE Science East and West buildings - Curated by Erin Vigneau-Dimick and Associate Professor Dave Jennings with biology students
Funded in part by a CAS Targeted Funding Initiative grant
Sept. 21st, 2018 – Ongoing
 - **Visions of an Educator 1956-1969, Dr. Orville Joyner**
Art & Design Gallery, SIUE, Edwardsville, IL
Curated by Professor Steve Brown and Erin Vigneau-Dimick
Funded in part by the Orville Joyner Family
Oct. 1st, 2018 – Nov. 9th, 2018
 - **Inventions: Twelve Around One - Buckminster Fuller**
The Center for Spirituality and Sustainability, SIUE, Edwardsville, IL
Curated by Erin Vigneau-Dimick and Benjamin Lowder
Funded in part by a Meridian Society grant and the College of Arts & Sciences
Nov, 9th, 2018 – May 16th, 2019
 - **Pieced: An Assemblage of Historic Quilts**
Edwardsville Arts Center, Edwardsville, IL
Curated by Erin Vigneau-Dimick and Mandy Pedigo
March, 22nd, 019 – April 19th, 2019
2. Lectures/Programs (5)
 - **Active Integrated Sustainable Learning Environments (AISLE) presentation**
SIUE Science East and West – Sept. 21st, 2018

Erin Vigneau-Dimick and Assoc. Professor Dave Jennings
Introduction, demonstration and tours of curated collection for the public

- ***Curator's talk: Inventions: Twelve Around One - Buckminster Fuller***
The Center for Spirituality and Sustainability, SIUE – Nov. 9th, 2018
Erin Vigneau-Dimick and Benjamin Lowder
- ***Bucky Art & Architecture Tour***
SIUE Fuller Dome – Nov. 10th, 2018
Curated day-long tour encompassing an array of Buckminster Fuller related sites in the St. Louis region.
- ***Curator's Talk: Pieced: An Assemblage of Historic Quilts***
Edwardsville Arts Center – Mar. 29th, 2019
Erin Vigneau-Dimick and Mandy Pedigo
- ***Quilt Show and Tell affiliated with Pieced: An Assemblage of Historic Quilts***
Edwardsville Arts Center, Edwardsville, IL Apr. 14th, 2019
Public show and tell and quilt story telling event
Coordinated with oral history recording with *Madison Historical*

3. Grants

- Proposed
 - IMLS Museums for America - Collections Stewardship Grant FY19
\$130,000 request (submitted 12/14/18)
University Museum Collections Inventory Project Stage I

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

The University Museum at SIUE serves the citizens of Illinois via numerous programs and activities. Through hands-on opportunities for learning and research, exhibits and programming the UM provides an enriching experience for students, scholars and the public, connecting them to fine art, historical objects, natural history specimens and diverse cultural artifacts.

The University Museum supports IBHE stated goals (underlined) as follows:

1. The UM directly supports educational achievement through its instructional and research programs increasing K-12, undergraduate and graduate student's knowledge and understanding of world cultures and histories as well as providing professional expertise and training in museological studies.
2. The UM sponsors semester-long professional level onsite graduate research assistantships, eight or more per year, providing stipends, tuition waivers and professional level museum work experience to students from related courses of study to improve college affordability.
3. The UM works directly with students who are interested in careers in art handling, exhibition preparation, collections management, and curation at museums and sites of cultural heritage to strengthen workforce development.
4. Improved access to and management of the UM's collections for faculty, students and the public have linked research and innovation to economic growth.

11.4 Evidence of Support for Center/Institute Objectives

- 1. Provide access to university sponsored museum collections, expertise and facilities, for object-based education and research to SIUE faculty and students and the broader community.**
 - The UM loaned, installed, deinstalled, and/or moved, more than 600 items during the FY19 year, in and out of its facility to provide items for teaching, research, exhibition, and public display.
 - The University Museum facilitated internal extended loans of artifacts for use in the Anthropology Department's Ethnology Museum Laboratory to benefit student and faculty research.
 - 11 undergraduate and 8 graduate projects and exercises served
 - 203 museum objects loaned
 - The UM welcomed more than 190 faculty, students, and independent researchers to its limited access archive to view and research objects from the 1000's in our collections.
- 2. Enhance teaching and learning by providing meaningful opportunities for hands-on experiential learning within and outside of the classroom.**
 - In coordination with faculty of multiple disciplines from the College of Arts and Sciences, the University Museum has facilitated formal and informal hands-on educational experiences utilizing art and artifacts from the collections. These have included:
 - on-site faculty led interactive research experiences for students both on site in the archive and elsewhere on campus (Museum Studies, Art & Design, Anthropology, History)
 - HIST580: Intro to Museology, HIST581: Collections Management, HIST582: Museum Exhibit Practicum, HIST304: History of Greece
 - ART202C Introduction to Ceramics; ART 305/520 Advanced Ceramics
 - ANTH404 Anthropology and the Arts; ANTH490: Senior Assignment, ANTH570 Midwestern Prehistory; ANTH 590 Museum Internship
 - Graduate student directed curation of exhibits for Museum Studies courses
 - HIST590 Internships in Museology; HIST582 Museum Exhibit Practicum;
 - Professional level practicums for Museum Studies students
 - HIST581 Management of Museum Collections
 - HIST590 Internships in Museology; HIST582 Practicum in Exhibition and Program Development
- 3. Encourage and facilitate research engaged with the museum's culturally diverse art and artifact collection for faculty, students, independent scholars and members of the general public.**
 - Museum staff worked with external researchers both locally and nationally on inquiries and projects involving fine art, natural history, ethnography and history including scholars and curators:
 - Karen Duffek, Curator, Museum of Anthropology, University of British Columbia; Research assessment of Northwest Coast collection with SIUE Professor Cory Willmott
 - Marie McInerney, artist and Asst. Professor, Kansas City Art Institute, with SIUE Professor Laura Strand
 - Sophie Lipman, Curator, Pulitzer Arts Foundation

- Ernie Schusky, SIUE Emeritus Professor
 - John Medwedeff, Sculptor, Murphysboro, IL
 - Ed English, Sandy Fultz, Sarah Willig, Susan Bostwick; faculty from ECUSD7, Edwardsville, IL
 - Dr. Alleen Betzenhauser, Illinois State Archaeological Survey
 - Faculty and students (undergraduate and graduate) from the departments of Anthropology, Integrated Studies, Museum Studies/History and Art & Design carried out independent research utilizing materials from the University Museum's collections. Completed projects this year included:
 - *Voices in Wood* – Anthropology 404 & 570 projects, spring 2019
 - Continued development of online virtual exhibit
 - *Birdman Rising* – Anthropology 570 project, spring 2019
 - Continued development of online virtual exhibit
 - *Fur Trade Silver* – Anthropology 490B project, summer 2019
 - Senior research project
4. **Serve as a visitor gateway to the campus and the University through outreach events, programming, and interactive experiences.**
- As an aspect of outreach programming to connect with and enrich the surrounding St. Louis regional community, the state and the nation, The University Museum brings exhibitions and programming to the Edwardsville community and the public at large.
 - Exhibitions
 - ***Active Integrated Sustainable Learning Environments (AISLE) project***
 - SIUE Science East and West buildings, Sept. 21st, 2018 – Ongoing
 - Curated by Erin Vigneau-Dimick and Associate Professor Dave Jennings
 - ***Visions of an Educator 1956-1969, Dr. Orville Joyner***
 - Art & Design Gallery, SIUE, Oct. 1st, 2018 – Nov. 9th, 2018
 - Curated by Professor Steve Brown and Erin Vigneau-Dimick
 - ***Inventions: Twelve Around One - Buckminster Fuller***
 - The Center for Spirituality and Sustainability, SIUE
 - Nov, 9th, 2018 – May 16th, 2019
 - Curated by Erin Vigneau-Dimick and Benjamin Lowder
 - ***Pieced: An Assemblage of Historic Quilts***
 - Edwardsville Arts Center, March, 22nd, 2019 – April 19th, 2019
 - Curated by Erin Vigneau-Dimick and Mandy Pedigo
 - Programming
 - ***AISLE project presentation***
 - SIUE Science East and West – Sept. 21st, 2018
 - Erin Vigneau-Dimick and Assoc. Professor Dave Jennings
 - Introduction, demonstration and tours of curated collection for the public
 - ***Curator's talk: Inventions: Twelve Around One - Buckminster Fuller***
 - The Center for Spirituality and Sustainability, SIUE – Nov. 9th, 2018
 - Erin Vigneau-Dimick and Benjamin Lowder
 - ***Bucky Art & Architecture Tour***
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- Curated day-long tour encompassing an array of Buckminster Fuller related sites in the St. Louis region.
- *Curator's Talk: Pieced: An Assemblage of Historic Quilts*
 - Edwardsville Arts Center – Mar. 29th, 2019
 - Erin Vigneau-Dimick and Mandy Pedigo
- *Quilt Show & Tell affiliated with Pieced: An Assemblage of Historic Quilts*
 - Edwardsville Arts Center, Edwardsville, IL Apr. 14th, 2019
 - Public show and tell and quilt story telling event
 - Coordinated with oral history recording with *Madison Historical*
- Active loan program, enriching community relationships regionally and state-wide
 - Cahokia Mounds Historical Site (ongoing)
 - Parkin Archeological State Park (ongoing)
 - Edwardsville Arts Center Sculpture Garden (ongoing)
 - The City Museum, St Louis, MO (ongoing)
 - Multiple community and financial institutions: The Bank of Edwardsville, Scott Credit Union, Hortica, The City of Edwardsville and others (ongoing)

5. Act as responsible stewards for the publicly owned collections of the university.

- According to nationally established standards and best practices, the SIUE UM legally, ethically, and effectively manages, documents, and preserves the collections in the following ways:
 - Strategic plan
 - the current plan has been updated to extend until 12/2020
 - Advisory council
 - two meetings held in FY19
 - acquisitions committee established
 - Accessions
 - Transfer of eight Master of Fine Arts Candidates thesis works into the Museum collections
 - Gift of Buckminster Fuller print portfolio *Inventions: Twelve around One*, from Allegra Fuller Snyder
 - Transfer processed of collection of 34 quilts from UIUC's Spurlock Museum, donated in 2006
 - Donation of two prints received in 1999 from Robin Brown, former chair of Art & design
 - Accession of auction purchase of five pieces of American glass and pottery from Ivey Selkirk in 2005.
 - Intellectual and physical control of collections
 - Records reorganization project completed: more than 4,800 original physical files have been recategorized and relocated and 44,000+ digital files have been surveyed, recategorized and relocated. According to best practices, a records management plan has been written.
 - Multi-stage full inventory commenced in May 2018 (full collection is projected at more than 32,000 objects. Rough projections suggest 9 FTE years to complete.)

- Stage 1A comprises all objects on display over 3 SIUE campuses in more than 60 buildings (approximately 1800 objects). Objects are inventoried while in situ, in rooms and public spaces and remain in place.
 - Founders Hall onsite inventory complete (8/1/18).
 - 266 objects inventoried in situ.
 - 266 objects removed to storage while FH is being renovated
 - East St. Louis Center onsite inventory complete (2/28/19).
 - 174 objects inventoried in situ.
- Stage 1B comprises two of the most utilized collections: the two-dimensional Fine Arts collection and the Native American collection which are in storage in the museum archive building.
 - Staff prepared for Stage 1B which commenced in July 2018
- Pursuing external funding to hire museum research assistants to staff inventory in order to shorten the time to completion.
- The UM applied for a \$250,000 federal Collections Stewardship grant from the Institute for Museum and Library Services (IMLS) in FY18 and the request was denied (in November 2018).
- The UM reapplied for the IMLS Collections Stewardship grant with a request for \$130,000 in December 2018 (this grant was subsequently awarded in November of 2019).

11.5 Evidence of Organizational Effectiveness

Organizational effectiveness is delineated below. The UM is classified as a Public Service center, but in fact, its activities encompass all three areas: instruction, research, and service.

1. Instruction:

- The UM Executive Curator is engaged in direct teaching for the graduate Museum Studies course HIST582 Practicum in Exhibition and Program Management.
- UM staff provide indirect teaching and major instructional support for HIST580 HIST581, HIST590, INTG500, and INTG593.
- In coordination with faculty of multiple disciplines from the College of Arts and Sciences, the UM facilitates tours of the collections archives and provides access to objects and data for laboratory and classroom hands-on educational experiences for ART202C, ART305, ART520, HIST304, ANTH404, ANTH420, ANTH490, ANTH491, ANTH570 courses.
- Each graduate research assistant (8 term GA's per year) receives 180 hours per semester of valuable, hands-on training in museum object handling, cataloging, interpreting, and preservation skills.

2. Research: The UM supports research for SIUE faculty and students and external scholars in art, anthropology, history, and museology by maintaining and providing access to its catalogue, digital images, archives, and collections objects.

- Research outputs include papers, theses, poster sessions, journal articles, conference presentations, book chapters, and exhibitions.
- UM staff provide support for and serve as primary investigators on internal and external grant proposals and projects.

- The UM Executive Curator collaborates with faculty on publications and presentations for regional and national media and organizations.
 - The UM maintains institutional memberships in local, regional and national professional organizations.
3. **Public Service:** The UM strives to operate as a visitor gateway to the campus and the University through public outreach and interactive experiences.
- The UM brings exhibitions and programming to local galleries, K-12 schools, regional community colleges, and senior centers.
 - The UM operates an active loan program, enriching community relationships locally, regionally, and state-wide, providing loans of UM collections objects and creating interpretive materials for arts centers, historical sites, museums and educational institutions.
 - An important facet of the UM’s public service mission is to act as a responsible steward for the state-owned collections that it holds in trust for the public of Illinois. The UM works diligently to provide appropriate administration and care in order to legally, ethically, and effectively manage, document, preserve, curate, and provide access to the collections in accordance with the best practices and standards of the museum profession as promulgated by the American Association of Museums and all relevant state and federal laws and international agreements.
 - Improve governance and decision-making to increase communication and teamwork amongst stakeholders.
 - The UM has established strategic goals and milestones incorporating recommendations from its internal and external assessments outlined in the UM’s 2016 Strategic Plan.
 - University Museum Advisory Council (UMAC) meets two or three times per year to guide and assist the administration of the UM to review and revise the Museum’s mission and policies, develop a long-term plan for the museum and be responsive to its obligations.
 - Enable greater access and care of the collections by establishing greater intellectual and physical control over the holdings of the museum better serving the UM’s stakeholders and the publicly owned collections.
 - Multi-stage full inventory commenced in May 2018 (full collection is projected at more than 32,000 objects. Rough projections suggest 9 FTE years to complete.)
 - Stage 1A comprises all objects on display over 3 SIUE campuses in more than 60 buildings (approximately 1800 objects).
 - Stage 1B comprises two of the most utilized collections: the two-dimensional Fine Arts collection and the Native American collection which are in storage in the museum archive building.
 - Enhance the visibility of the Museum and its collections to the broader campus and its community
 - During inventory, labelling was placed with almost every item on display. This labelling is an effort on the part of the museum to educate the SIUE community about each individual artwork and provide evidence of the unique benefits of the Art on Campus program. Labelling identifies each artwork by artist, title, media and catalogue number and is labelled with the UM’s logo to

promote the cultural significance of the museum’s collections on campus and provide a contact and a context for every piece.

- Systems Management and Accountability: integrative practices which affect the UM’s instructional, research, and public service capabilities across the board. Areas which have been overhauled, reorganized, streamlined and standardized include staff and GA hiring and retention, budgeting, records management, object tracking, storage, security, climate control, cataloguing procedures, policy development, and governance strategies. Physical resources and facilities have been reassessed and structural and organizational improvements have been made to the records area, workshops, and storage spaces encompassing surplussing of antiquated and excess equipment and materials, consolidating and expanding collections storage, and reorganizing and increasing dedicated working and teaching space.

12. Institutional Assessment

12.1	Date of Last Review	N/A
<hr/>		
12.2	Decision at Last Review	<input type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)
<hr/>		

RESOURCES: (University Museum)

Financial Resource	FY2019	FY 2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	48,376	45,510	43,018	36,922	43,671
Income Fund	72,563	67,516	64,195	55,382	65,507
Grants & Contracts				0	0
Foundation Funds				0	0
Transfers from CAS	6652	6,651	6,651	7,001	5,825
Other Revenue/Sales				0	0
Total Revenues	127,591	119,177	114,195	99,305	115,003
Expenditures*					
Salaries (staff & graduate assistants)	103,917	95,532	89,963	77,033	93,130
Wages	0	0	1,088	120	1,300
Travel	426	340	446	0	378
Equipment	2291	1,159	1,670	716	105
Commodities	4116	5,520	2,644	2,369	2,261
Contractual Services	9495	9,905	11,174	11,499	11,700
Automotive	5567	5,624	5,673	5,379	5,475
Telecommunication	1357	1,413	1507	2,514	3,520
Total Expenditures	127,169	119,493	114,165	99,630	117,869
Revenue Minus Expenditures	422	(316)	30	(325)	(2,866)

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty	1.5 FTE	2.0 FTE	2.0 FTE	1.5 FTE	.90 FTE
Staff	.5 FTE				1.0 FTE
Graduate Assistants	.43 FTE	.75 FTE	.75 FTE	.75 FTE	.75 FTE
Student/Temp workers	.34 FTE	.1 FTE	.05 FTE	.05 FTE	.15 FTE
Total Staffing	2.77 FTE	2.85 FTE	2.80 FTE	2.30 FTE	2.80 FTE

CENTERS AND INSTITUTES
ANNUAL REPORTING

Report For: July 1, 2018 – June 30, 2019

(IBHE Approved and/or Illinois State Statute Established Only) *

1.	Reporting Institution	Southern Illinois University Edwardsville						
2.	Center/Institute	WSIE-FM, 88.7 "The Sound", broadcasting at 50 kilowatts from the SIUE Campus						
3.	Date	1/6/2020						
4.	Director	Jason Church						
	4.1 Telephone	618-650-3607						
	4.2 E-mail	jaschur@siue.edu						
5.	Year Established	A request for the radio station construction permit was submitted to the Federal Communications Commission (FCC) in October 1968; the station license application was submitted to the FCC in 1969; the FCC granted the license the following year; and the station went on the air for the first time on Sept. 4, 1970.						
6.	Illinois State Statute (if pertinent)	N/A						
7.	Reporting Unit	Office of the Chancellor/University Marketing & Communications						
8.	Type	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; padding: 2px;">Instructional</td> <td style="border: 1px solid black; text-align: center; width: 70%; padding: 2px;">X</td> </tr> <tr> <td style="padding: 2px;">Research</td> <td style="border: 1px solid black; text-align: center; padding: 2px;"> </td> </tr> <tr> <td style="padding: 2px;">Public Service</td> <td style="border: 1px solid black; text-align: center; padding: 2px;">X</td> </tr> </table>	Instructional	X	Research		Public Service	X
Instructional	X							
Research								
Public Service	X							

* Complete this form for each center and institute established (or that is in the process of being established) through the Illinois Board of Higher Education approval process (23 Illinois Administrative Code 1050) or by specific Illinois state statute. See University Guideline 2.4 for details. This report will be completed by the center or institute after conclusion of the academic/fiscal year.

9. Overview

9.1 Description

Serving the Greater St. Louis Area and Southwestern Illinois, WSIE-FM, 88-7 the Sound, provides quality music programming, SIUE sports and student programming for a widely diverse listenership, while broadening the visibility of Southern Illinois University Edwardsville and enhancing its image as an essential regional resource.

9.2 Mission

WSIE will provide a public service to Southern Illinois University Edwardsville, the Greater St. Louis Area and the Southwestern Illinois region through the delivery of professionally constructed radio programming while furthering the educational process for SIUE students across multiple disciplines.

9.3 Objectives

WSIE will strive to achieve the development, promotion and provision of a radio station format which engenders listener loyalty, underwriting, and on-going financial support. WSIE-FM will also strive to serve the communication needs of SIUE, the Greater St. Louis Area and the Southwestern Illinois region through the delivery of community-focused information, sports and public affairs programming. WSIE-FM will strive to provide SIUE students with a myriad of opportunities to work in, and experience the business of radio broadcasting through interaction with the professional staff of WSIE through the development and execution of high-quality student programming.

10. Advisory Board

10.1 Advisory Board - Membership

The WSIE Advisory Board is comprised of SIUE Faculty, staff and alumni, as well as supporters of the radio station from the surrounding region. Members (during the reporting period) are Dr. Gregory Budzban, Ms. Bonni Burns, Mr. Jason Coomer, Ms. Kim Durr, Mrs. Sandy Hardy Chinn, Mr. Musonda Kapatamoyo, Mr. Jason Church, Mr. Bob Kochan, Mr. Doug McIlhagga, Ms. Stephanie Lewis and Mr. Carlos Bedoya.

10.2 Number of Meetings (In This Year) 2

11. Annual Performance

11.1 Performance Measures *

Measure	Target for Year	Results in Year
1. Generate \$12,000.00 per month in revenue	\$144,000.00	\$116,835
2. Increase audience size by ten percent	Average weekly cume of 62,000	68,970 (An increase of 11%)
3. Increase Social Media footprint by 15 percent	1859 likes on FB	2212 likes on FB
4.		
5.		

* Center/institute-defined measures and targets. Depending on the particular center/institute, these may include intellectual contributions (such as publications), grants, public service activities.

11.2 Major Accomplishments (In This Year)

- Established independent study program for Mass Comm students
- Increased Facebook likes by 19%
- Continued building campaign to bring more student volunteers to work at WSIE.
- Working to establish an SIUE chapter of the National Broadcast Society.
- Established relations with many new underwriter partners such as The Black Rep, Opera Theatre of St. Louis, .
- Worked with University Marketing to develop new website, which will launch in February of 2020.
- Continued to condition station’s format to skew toward younger demographics and a wider audience.
- Worked with Computer Science students to develop a WSIE app.

11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU Campus Strategic Planning

WSIE Continues to broadcast promotional announcements designed to increase awareness of the effectiveness of SIUE as an educational institution. WSIE also broadcasts promotional announcements on the expanding in-state/out-of-state tuition program. WSIE also broadcasts Cougar athletic contests, including men’s and women’s basketball, men’s baseball and women’s softball.

11.4 Evidence of Support for Center/Institute Objectives

WSIE continues to work with the faculty of the Department of Mass Communications to provide students a unique learning opportunity at the radio station. WSIE also works with the Office of the Chancellor and the Dean of the College of Arts and Sciences to produce and broadcast the half hour program “Segue.” The program highlights the work of SIUE and builds upon its relationship with the greater community by conducting interviews with community, civic, and political leaders.

11.5 Evidence of Organizational Effectiveness

We successfully recruited additional volunteers to replace departing voice-trackers. A complete list of engineering responsibilities was created and stored for easy access by staff members. The public inspection file was better arranged in preparation for the eventual migration to an all-electronic system with the Federal Communications Commission. Increased underwriting / community support.

12. Institutional Assessment

12.1	Date of Last Review	<u>FY 2018</u>
12.2	Decision at Last Review	<input checked="" type="checkbox"/> Center/Institute in Good Standing <input type="checkbox"/> Center/Institute Flagged for Priority Review <input type="checkbox"/> Center/Institute Suspended
12.3	Explanation	(briefly provide any explanation necessary of the institutional assessment or plans for pending program review) <hr/>

RESOURCES: WSIE-FM, 88.7

Financial Resources	FY2019	FY2018	FY2017	FY2016	FY2015
Revenues					
State Appropriations	.00	70,620.00	141,240.48	141,240.00	184,028.00
Income Fund	.00	.00	36,828.15	.00	38,814.00
Grants & Contracts	.00	.00	2,600.00	.00	.00
Fees from Underwriters	86,665.50	66,072.94	51,342.96	23,213.50	52,646.00
Rental Revenue	9,606.78	9,327.25	8,736.00	8,736.00	9,032.98
Listener Gifts to the SIUE Foundation	23,500.00	16,103.70	26,255.00	22,171.05	10,795.16
Total Revenues	\$119,772.28	\$162,123.89	\$267,002.59	\$195,360.55	\$295,316.14
Expenditures*					
Salaries	182,618.12	156,674.65	67,957.50	70,391.84	150,212.86
Wages	1,937.76	16,863.89	75,863.19	75,479.58	24,032.19
Equipment	21,272.76	1,125.10	2,503.52	588.00	.00
Commodities	4,260.47	4,354.96	592.00	2,111.43	16.27
Contractual Services	17,197.72	24,817.59	25,095.64	25,725.43	26,110.06
Telecom	9,299.53	8,639.34	8,560.30	8,379.10	7,973.47
Expenditure from Foundation Account	.00	.00	369.75	3,251.70	9,883.97
Total Expenditures	235,962.36	\$212,475.53	\$180,941.90	\$185,927.08	\$218,228.82
Revenue Minus Expenditures	(116,190.08)	(\$50,351.64)	\$86,060.69	\$9,433.47	\$77,087.32

* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

Staffing (Full Time Equivalent)	FY2019	FY2018	FY2017	FY2016	FY2015
Faculty					
Staff	3	2.5	2	2	2.5
Student Workers	1	1	5	4	4
Total Staffing	4	3.5	7	6	6.5