



July 3, 2019

Members of the Board Academic Matters Committee

Ed Hightower, Chair  
Brione Lockett  
Subhash Sharma

Dear Committee Members:

The Academic Matters Committee will meet on Thursday, July 18, 2019, immediately following the Executive Committee meeting in the Auditorium at the SIU School of Medicine, 801 North Rutledge, Springfield, Illinois. The agenda and minutes from the May 16, 2019, meeting 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 'J. Allen', is written over a horizontal line.

Jim Allen  
Acting Vice President for Academic Affairs

JSA/pm

Attachment

c: Ed Curtis	J. Kevin Dorsey
Phil Gilbert	John M. Dunn
Mackenzie Rogers	Randall G. Pembroke
Amy Sholar	Jerry Kruse
John Simmons	Other Interested Parties
Roger Tedrick	

Office of the President, Stone Center - Mail Code 6801, 1400 Douglas Drive, Carbondale, Illinois 62901

## AGENDA

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

Thursday, July 18, 2019  
Immediately following the Executive Committee Meeting

Auditorium, SIU School of Medicine  
801 North Rutledge  
Springfield, Illinois

1. Announcements
2. Approval of Minutes of the Meeting May 16, 2019
3. Approval of New Programs, Reasonable and Moderate Extensions, Approval of Off-Campus Program Locations, and Academic Program Eliminations and Suspensions, July 1, 2018, through June 30, 2019 (Board Agenda Item I)
4. Informational Report: *Centers & Institutes Report FY2018*
5. Presentation: *Integration of Medical Students into the Center for Human and Organizational Potential*

Presenters: Susan Hingle, MD  
Associate Dean for Human and Organizational Potential  
Department of Medicine

John Mellinger, MD  
Director, Leadership and Excellence Pillar  
Department of Surgery

Christine Todd, MD  
Chief Wellness Advocate  
Department of Medical Humanities

Dolapo Oseni, Medical Student, Fourth Year

Erica Maduakolam, Medical Student, Fourth Year

6. Other Business
7. Adjournment

## **BOARD OF TRUSTEES**

### **SOUTHERN ILLINOIS UNIVERSITY**

#### **Minutes of the Academic Matters Committee Meeting**

May 16, 2019

The Academic Matters Committee met at 9:01 a.m. on Thursday, May 16, 2019, in Ballroom B of the Student Center at Southern Illinois University Carbondale. Present were: Edward Hightower, Brione Lockett, and Subhash Sharma. Other Board members present were: Edward Curtis, Phil Gilbert, Amy Sholar, and Roger Tedrick. Absent were: John Simmons and Molly Smith. Executive Officers present were: Interim President J. Kevin Dorsey; 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**

For recording purposes of the Academic Matters Committee meeting, Dr. Allen mentioned that he was hired as Acting Vice President for Academic Affairs by President Dorsey on April 15 and pending Board's approval will serve for one year while the search for a new Vice President is conducted.

His second announcement was on SIUC's latest round of reorganization proposals and the Illinois Board of Higher Education's (IBHE) approval of the Reasonable and Moderate Extensions for five new schools: School of Agricultural Sciences; School of Analytics, Finance, and Economics; School of Education; School of Human Sciences; and School of Management and Marketing.

Trustee Hightower, on behalf of the Board, extended his appreciation to Dr. Allen for accepting the role of Acting Vice President and for the manner in which he has actively assumed his role. He also appreciates Drs. Allen's and Komarraju's transparency in efforts to move the System forward. He stressed that it is not about the individual campuses, but about the System. He stated that the Board's priority is to improve enrollment throughout the System and focus on institutional cooperation between SIUC and SIUE with a shared interest in academic and enrollment matters.

Lastly, Dr. Hightower asked that presentations given at the AMC meetings focus on plans to improve enrollment, image, and collaborative progress system wide. He believes the Board, under Chair Gilbert, can take the lead on setting the tone.

Student Trustee Lockett asked for a definition of an RME and NUI. Dr. Allen responded that they are acronyms from the IBHE that stand for Reasonable and Moderate Extension which means reworking what has already been approved by state statute under the guidance of IBHE and its authorization. An NUI stands for a New Unit of Instruction and tends to be an addition to our authorization to offer degree programs.

The NUI requires more extensive documentation than an RME to ensure there are well documented needs, enrollments, staffing, accreditation, preparation, and facilities to show the campus is ready for the new degree program. The level of scrutiny is higher and requires the full IBHE Board approval and not staff approval, which is generally applied to an RME.

### **Approval of the Minutes of the March 28, 2019, Meeting**

Motion was made by Trustee Sharma to approve the minutes of the March 28, 2019 meeting with the correction of Todd Bryson's name. The motion was duly seconded by Trustee Lockett and passed by the Committee.

### **Presentation: *Efforts and Future Plans Addressing Enrollment, SIUC***

Dr. Allen introduced Provost Meera Komarraju who provided the Board with an update on SIUC's enrollment plan. She first shared background on her experience and success with increasing enrollment and retention of students in the Department of Psychology and in the College of Liberal Arts at SIUC. Recruitment and retention were front and center of everyone's job. The focus was on making connections with students and parents to show paths for success, and providing them with facts on the competitive advantage SIUC has over other universities.

SIUC has identified achievable and measurable short-term and long-term goals for retaining and recruiting students. The short-term goal is to increase enrollment to 15,000 in the next three to five years and 24,000-25,000 students long-term. In fall 2019, SIUC will be working to maximize its application yields by calling every student who has not committed or signed up for orientation as well as implementing a 24-hour "Chat Box" where potential students can ask questions and receive a response in a timely manner.

In 2020, SIUC will buy names from targeted neighborhoods and schools that are most likely to have students attend. The University is also working on cultural change where faculty and staff engage and become part of the mission to increase enrollment and retain students by providing their students with the best experience possible.

In time, SIUC will identify neighborhoods that yield more students and build long-term pipelines through increased visits with the community colleges and high schools. The University will continue to offer 2+2 programs and quality online courses. It will target areas of growth in national and international student populations. It will highlight programs that stand out in the nation such as Forestry, which is one of 47 nationally accredited programs by the Society of American Foresters. Finally, it is looking at 6-year graduation rates to see how it can better assist students to degree completion.

One of the ways SIUC is building long-term is through the new implemented "SIU Day" events. The University had 1200 Students from over 20 high schools within a two-hour driving distance come to campus and experience what SIUC has to offer. Several other events such as Math day (800 high school students), Accountancy Day, Drama Day, Media Day, Future Farmers of America Day, and State Science Fair Presentations

(1400 high school students) have brought potential applicants to the campus. From these events SIUC has obtained positive feedback and perceptions of SIUC are improving.

SIUC will continue to send letters, emails, text, and use other social media such as Spotify/Pandora and Mongoose to communicate with potential and current students. The University will provide a better academic experience by implementing a revised First Year Experience Course for all incoming freshman, strategic tutoring, peer and faculty mentoring, research opportunities for undergraduate and graduate students, and by providing quality academic degree programs that are in keeping with the top disciplines that students want to study. The University will provide them with the resources and opportunities that will increase the 6-year graduation rate and result in a higher percentage of job placement.

Dr. Hightower thanked Dr. Komarraju for her overview of what SIUC is doing to address its enrollment issues. He added that the System's involvement is also critical to make sure enrollment increases. He asked if Board members had any questions.

Trustee Gilbert requested the fall enrollment numbers and stressed the importance of increasing freshmen enrollment. Dr. Komarraju stated she hopes to have a similar class as last year, but due to a graduating class of 2400 students, the overall enrollment is expected to be low this fall. Dr. Dunn stated the University is monitoring housing and what it knows in terms of students who have made a firm commitment. He is moderately optimistic but did not want to overstate about the incoming freshmen class for AY2019. He indicated he will be in a better situation to provide better enrollment numbers at the July meeting.

Trustee Tedrick emphasized that faculty ought to sign up for open houses and inclusion in retention, but asked the Provost if off-campus recruitment has been left to the Admissions Office. Dr. Komarraju responded that faculty and current students have been involved in some high school and community college visits along with herself and the Chancellor. Recently she took 10-12 STEM faculty to Carbondale High School and visits have been made to Marion and Murphysboro high schools with plans to include Carterville High School and Anna Jonesboro High School. Interim Chancellor Dunn added that visiting the community colleges provides an opportunity to share what SIUC has to offer and obtain feedback from the community college leaders. Ultimately it is about the student and the best academic and university experience. The Chancellor's being there, making comments and interacting with parents and families make it personal. The acknowledgment and commitment is what parents notice. The University is committed to recognize not only the students but the parents and know students need to be treated as if they are at home. He further stated that out of all the US universities and colleges, in terms of alumni base, SIUC ranks 41. Only 40 universities have produced more alums than SIUC.

Trustee Curtis said he liked the passion and plan and appreciated the leadership that Dr. Komarraju has given to the efforts.

Trustee Sharma requested a detailed scientific study to show why SIUC's enrollment has been declining for the past 10-15 years. Dr. Komarraju discussed some contributing factors for the decline. Interim Chancellor Dunn shared that Georgia State University is well-known for predictive analytics to figure out what to do. SIUC is monitoring that carefully. He also noted that the reorganization is built on an Arizona State University model, another leading institution in the nation, which shows the importance of reorganization and passion to make a difference. Acting Vice President Allen intervened that the Illinois Board of Higher Education's institutional research is conducting a statewide study on the migration of Illinois students and should be finished by the end of the calendar year. He suggested that the Board and SIUC look at the statewide study versus a study only on SIUC. Dr. Dunn's final note was on the perception people have of the state's disinvestment of higher education and their fear of what programs will be sustained.

Trustee Sholar asked if local counties were still seeing some of the great losses. Dr. Dunn said that they are, but the University is addressing it by meeting with community colleges to recruit transfer students. He further stated that dual credit options for high school students and costs are factors for students attending community college.

Student Trustee Lockett asked if the 6-year graduation rates included graduate students. Dr. Komarraju responded that graduate students are on her radar, but the 6-year graduation rate did not include them. She said she could include those data. Dr. Dunn stated that there is tremendous confusion on what is referred to as 6-year graduation rate. It represents students who began their higher education at SIUC. He then shared some findings from his 6-year tracking of students at Western Michigan University.

Student Trustee Lockett also asked how SIUC is addressing diversity and cultural competency when some of the humanities have yet to be assigned to a school through the reorganization. Dr. Komarraju said that SIUC is recognizing that incoming students are more diverse. SIUC is looking at how best to engage them in the classroom, as well as what resources can be provided to make them feel at home and connected. She also mentioned the First Year Experience course that would help students better understand different cultures and help their communication with students from all backgrounds.

Student Trustee Lockett's final question was if there was an exit survey for all students. Dr. Komarraju replied there is, but the University is finding ways to make it more consistent to ensure every student is celebrated before leaving. She is also encouraging departments to talk with their graduating seniors to find out about their experience and to keep in touch with them after graduation.

Dr. Hightower ended by asking Interim Chancellor Dunn what the Board could do to support SIUC and help it reach its goals. Dr. Dunn started with opportunities for SIUC to share its frustrations and efforts with the Board and being able to seek guidance. Secondly, he asked that it share its pride of SIUC and SIUE, and to "show the colors." He asked for continued confidence and patience from the Board. With financial

challenges, he asked for help with legislators and the Governor's office for more investment in higher education.

Trustee Gilbert mentioned Dr. Pembroke's suggestion for joint marketing for SIUC and SIUE.

**Presentation: Undergraduate Forum Research Awards and Experiential Activity**

Dr. Allen asked Dr. Komarraju to introduce the students.

Dr. Komarraju introduced the students by name and turned the floor over to them.

Zoey Bryant, a recent May 2019 SIUC graduate with degrees in Psychology and Physiology, explained her research work this past year with Professor Michael Hylin in the Neuro Trauma and Rehabilitation Lab observing the development of structures called perineuronal nets in the hippocampus of the brain. Perineuronal nets are not neurons but structures that surround neurons that aid in the inhibition of plasticity that decreases the ability of neurons to grow and to form connections. She and Professor Hylin believe researching the development of the structures in the hippocampus is critical to establish a baseline of normal development of the brain in general and specifically the structures within the brain to compare to disorders that affect the development in the brain or traumatic impacts that would have a maladaptive impact on development. She further explained how the research is conducted.

She ended her presentation by thanking the University for the REACH grant that allowed her to focus on the project instead of worrying about seeking work elsewhere. She presented her research at the SIUC Undergraduate Research Forum and was able to use the research for her undergraduate honors thesis. Her research experiences at SIUC have solidified her desire to pursue graduate school in neuroscience and progress into a career in academia.

Allison McMinn, a senior in Electrical Engineering, received a REACH award in 2019 and has presented her research on Tomosynthesis Image Reconstruction for early breast cancer detection at two conferences where she received first place. She also won first place at SIUC's Research Forum. She has spent the past summer at University of Illinois at Champaign-Urbana in its Frontier and Biomedical Imaging Research Experiences for Undergraduates (REU) program and will be spending this summer at Duke University in their REU program. She is also very active at SIUC outside of her research. After starting an RSO called Biomedical Engineering Society Chapter, she was elected President of the Society of Women Engineers, Vice President of the Robotics Team, and Recording Secretary of the Engineering Honors Society.

Her research work on Tomosynthesis Image Reconstruction is done under the advisement of Professor Ying Cheng. Early detection is critical for breast cancer survival rates. The current screening tool is mammography, but its drawbacks have been well publicized throughout the years with 30% of breast cancer masses being missed.

The screening tool she uses is digital breast tomosynthesis which allows for the reconstruction of an arbitrary set of planes from a limited x-ray projection view. The x-ray source rotates similar to mammography but rotates taking limited angles and the projection planes can be reconstructed. The lab studies reconstructed algorithms which allow more in-depth and clearer views of the artifacts due to overlapping. She studies two different algorithms, shift and back projection. First, she simulates impulse that allows to quantitatively obtain a better view to see what is going on in a controlled environment. She then reviews breast biopsy training phantoms and reconstructs different masses.

She thanked the Vice Chancellor for Research Office and her mentor Professor Cheng for the research opportunities.

Nathaniel Jordan is a junior in Plant Biology, a University Innovation Fellows, and CEO of SPREKK, an “on demand” cell phone repair business he started through Saluki Ventures at the SIU Business Incubator. Mr. Jordan started his presentation with his favorite quote, “There are two ways to live your life. One is as though nothing is a miracle. The other is as though everything is a miracle.” He believes there are a lot of miracles happening at SIUC, and believes it is the “Land of Opportunity.”

He started his company through SIUC, and it has allowed him to give back to the community. He uses his business to leverage engagement with the community and students through donation of prizes for events that provide an incentive for students to participate and be more engaged in the opportunities at SIUC. He believes by making students experiences more memorable, it may help with retention.

He has donated some of his business’ proceeds to not-for-profits such as “For Kids’ Sake” where over 1000 kids in Bangladesh were successfully fed. He feels it is important to engage with students on campus and internationally when in a position to do so.

In addition to business, he is also interested and involved in research. He has presented for the McNairs Scholars Program on super nano particle research and been involved in biology lab competitions identifying plant-to-plant interaction. He likes the business aspect of biology and hopes to pursue that as a future career. At a “fast-pitch competition” he pitched a startup idea involving business and research together. In addition to having innovative ideas on campus, he has had the opportunity to serve as a University Innovation Fellow where as a change agent he was trained through Stanford Design School to think about “out-of-the-box solutions. The University Innovation Fellows hosted an SIU’s Innovation and Entrepreneurship Day event on campus that brought a successful med tech entrepreneur James Dreher to share his business and innovation expertise.

Mr. Jordan is also involved with the Jackson CEO Entrepreneurial program for junior and seniors in high school where he mentors a student and speaks about his entrepreneurial experience. His mentee is starting his own business and will be attending SIUC in the fall as an Excellence Scholar.



He ended his presentation sharing how excited he is about SIUC and the opportunities students have for research and business. Keeping conversations going between businesses, RSO's and students will only help for retention.

There were no questions but Trustee Hightower asked if they would share where their hometown is and what made them choose SIUC. Nathaniel Jordan is from Rockford, Illinois, and he chose SIUC over NIU because of warmer weather. Zoey Bryant is from Springfield and attended an open house with a tour of the College of Engineering. Allison McMinn is from Champaign-Urbana and chose SIUC because of the undergraduate research opportunities.

Trustee Hightower asked them to share what they would say to perspective students about SIUC? Mr. Jordan would share all that he has done at SIUC and let them know, if you want to stand out and be involved come to SIUC. Allison McMinn would share the involvement opportunities as a freshman student. Zoey agreed with Allison and added that relationships with faculty have been excellent, and their approachability would be something else she would share.

Trustee Hightower ended the AMC meeting by pointing out that success stories such as what the students demonstrated in their presentations and what they shared about their experiences at SIUC are examples of what SIUC and SIUE should use in their recruitment of students. Students are our future and the reason SIU exist today. We need to continue to focus on the positive efforts these students are demonstrating every day.

### **Other Business**

Having no further business before it, the Academic Matters Committee adjourned at 10:20 a.m.

# Centers and Institutes

## Annual Reporting

Fiscal Year 2018



Southern Illinois University Carbondale  
Southern Illinois University Edwardsville



Submitted by the  
Office of Academic Affairs to the  
Southern Illinois University Board of Trustees  
July 2019



**Southern Illinois University System**

ONE SYSTEM | MANY LOCATIONS | STATEWIDE IMPACT

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## INTRODUCTION

In keeping with University Guidelines, the following reports from centers and institutes at Southern Illinois University's three campuses for FY2018 are provided for the SIU Board of Trustees. It is the fourth 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, 2017 – June 30, 2018

(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>May 1, 2019</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 passed after the reporting period.  
            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 coal and energy research, collaboration, education and facilities. Since its establishment in 1974 and up to the current date, the center has focused on the following activities:

- 1) RESEARCH: maximizing proposal development and project implementation support to the campus faculty;
- 2) COLLABORATION: serving as a resource for the campus community and a bridge to government, industry and other academic and research institutions;
- 3) FACILITIES: maintaining specialized facilities, and
- 4) OUTREACH: facilitating the improvement of the public's understanding of advanced coal and energy as well as related environmental topics.

### 9.2 Mission

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

### 9.3 Objectives

- 1) Expand advanced coal and energy education and research across campus
- 2) Facilitate the development of an advanced coal and energy workforce
- 3) Increase return on investments in advanced coal and energy activities
- 4) Establish Illinois Energy Development Park as the regional test bed for advanced coal and energy technology.

## 10. Advisory Board

### 10.1 Advisory Board - Membership

John Mead, CRC Director Emeritus  
Norm Peterson, Director, Government Relations, Argonne National Laboratory  
Thomas A. Sarkus, Director, Project Financing & Technology Deployment Division, Office of Major Demonstrations, Strategic Center for Coal, National Energy Technology Laboratory, U.S. Department of Energy

Vann Bush, Managing Director, Gas Technology Institute  
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	2
3.	Scholarships awarded	Up to 5	0
4.	Student grants awarded	Up to 5	2
5.	Community outreach events	1	1
6.	Visiting researchers	0	2
7.	Publications	0	7

\*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
- Supported 2 visiting researchers
- Supported 2 GA positions
- Awarded 2 Energy Boost Scholars (co-op type student stipend)
- Supported continuing scholarships awarded in previous years
- Awarded 2 Faculty Seed Grants (approximately \$50,000 each)
- Saluki Energy Focus Group was established

### 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
- ACERC's Illinois Energy Development Park still stands as a research and development complex for the southern region of Illinois





**RESOURCES: (Advanced Coal and Energy Research Center)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
<b>Revenues:</b>					
State Appropriations	<b>274,541</b>	<b>335,441</b>	<b>343,173</b>	<b>386,168</b>	<b>386,403</b>
Income Funds	148,698	152,439	126,525	27,903	141,377
Grants*	3,460,940	4,163,608	4,678,827	239,941	430,854
<b>Total Revenues</b>	<b>3,884,179</b>	<b>4,651,488</b>	<b>5,148,525</b>	<b>654,012</b>	<b>958,634</b>
<b>Expenditures:</b> <i>(Sources: Combined Grants and State Accounts)</i>					
Salaries: Staff/Faculty	410,301	457,578	524,627	400,808	402,684
Graduate Assistant Support	104,507	96,861	51,214	44,958	32,451
Student Worker Support <i>(Sources: State and FWS Matching)</i>	6,722	7,982		9,006	10,547
Travel	3,839	5,770	15,030	4,362	4,179
Commodities	16,196	28,659	4,599	3,430	5,509
Equipment	275	961	1,117		3,850
Contractual Services	111,075	151,469	164,917	46,585	142,755
Student Research Awards and Scholarships	7,500	9,000	0	0	0
Telecommunication Services	17,006	13,447	14,266	7,949	6,509
Fringe Benefits	78,638	96,369	112,054	23,449	27,425
Facilities and Administrative	45,973	56,366	49,966	12,860	13,118
<b>Total Expenditures</b>	<b>802,027</b>	<b>924,461</b>	<b>947,791</b>	<b>551,407</b>	<b>649,029</b>
Revenue Minus Expenditures	3,082,152	3,727,027	4,210,734	100,604	309,605

<b>Staffing</b> <i>(Full Time Equivalent)</i>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	.083	2	2	1	2
Staff	7.8	7	12	9	8
<b>Total Staffing</b>	<b>7.883</b>	<b>9</b>	<b>14</b>	<b>10</b>	<b>10</b>

\*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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University School of Medicine</u>
2.	Center/Institute	<u>SIU Center for Alzheimer's Disease and Related Disorders (CADRD), including the Parkinson Disease Center (PDC)</u>
3.	Date	<u>1/18/19</u>
4.	Director	<u>Tom Ala, M.D., Interim Director</u>
4.1	Telephone	<u>217-545-7197</u>
4.2	E-mail	<u>tala@siumed.edu</u>
5.	Year Established	<u>Academic Year 1987</u>
6.	Illinois State Statute (if pertinent)	<u>Public Act 90-0404</u>
7.	Reporting Unit	<u>Southern Illinois University School of Medicine</u>
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 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. 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. The PDC is currently administered by the SIU Department of Neurology through the CADRD and is incorporated into this center's report.

### 9.2 Mission

To be a resource for the citizens of 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 FY2018 are:

- 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) None, due to reduced funding for this fiscal year

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure	Target for Year	Results in Year
1. Evaluations of new patients (Springfield site)	N/A	491
2. Evaluations of new patients (network)	N/A	382
3. Follow-up patient visits (Springfield site)	N/A	2838
4. Follow-up patient visits (network)	N/A	533
5. Educational programs (Springfield providers) – Number of Programs	N/A	203
6. Educational programs (Springfield providers) - Attendance	N/A	5,956
7. Educational programs (Primary Provider sites) – Number of Programs	N/A	126
8. Educational programs (Primary Provider sites) - Attendance	N/A	3,777
9. Clinical Trial Studies – Number of studies per IRB	N/A	11
10. Research – Number of publications & presentations	N/A	31
11. Number of brain autopsies	N/A	3

\* 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)

Major accomplishments of the SIU Center for Alzheimer's Disease and Related Disorders in FY2018 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; 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. However, the local educational programs of statewide Primary Provider network sites were discontinued because of the State funding situation; 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 eleven clinical studies into the diagnosis and treatment of Alzheimer's disease, including three investigator-initiated studies and eight multi-center clinical trials; 5) Submission of several research papers published by the CADRD's basic science faculty; 6) Participation in the development of the new SIU Neuroscience Institute, which includes CADRD.

CARD 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. CARD submitted its report to IDPH for FY2018. The Parkinson Disease Center (PDC) has continued to provide clinical care to patients and to sponsor an annual community education program, but the PDC has been functioning at a reduced level since it lost its State funding in 2003.

### 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 2010-2011 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 Trustees' 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 FY2017. As noted in 11.1 above, patient care, consultation, and referral services were provided in over 3,000 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 753 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 FY2018. These activities support the patient care objectives (Objectives 1 and 2) above. Basic, clinical, and increasingly population health research projects were advanced in FY2018, and efforts to increase them continued in support of the research objectives (Objectives 3 and 6). There were 329 educational programs for caregivers and health care providers with attendance of 9733 in FY2018, 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 FY2018.

### 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 FY2018, particularly the Primary Provider network. Fortunately, the funding was resumed as of July1, 2018, at its previous level, and the program is rebuilding in FY2019. 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>2010-2011</u>						
12.2	Decision at Last Review	<table><tr><td><u>  X  </u></td><td>Center/Institute in Good Standing</td></tr><tr><td><u>     </u></td><td>Center/Institute Flagged for Priority Review</td></tr><tr><td><u>     </u></td><td>Center/Institute Suspended</td></tr></table>	<u>  X  </u>	Center/Institute in Good Standing	<u>     </u>	Center/Institute Flagged for Priority Review	<u>     </u>	Center/Institute Suspended
<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**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	\$0	\$0	\$0	\$0	\$0
Income Fund	0	0	0	0	0
Grants and Contracts	1,032,995	622,470	247,615	241,521	211,322
State Support via Hospital Contracts <sup>1</sup>	0	0	0	122,073	1,464,870
Transfers from SOM <sup>2</sup>	146,058	61,055	331,356	1,177,255	88,008
Other Revenues	43,454	25,424	37,531	32,910	39,311
Total Revenues	\$1,222,507	\$708,949	\$616,502	\$1,573,759	\$1,803,511
Expenditures <sup>*</sup>					
Salaries	\$246,217	\$222,029	\$297,124	\$1,104,046	\$1,106,582
Fringe Benefits	58,900	36,325	14,090	8,854	19,583
Equipment	0	5,933	0	24,095	28,248
Commodities	49,569	6,325	27,178	46,973	59,145
Contractual Services <sup>3</sup>	587,611	158,599	154,717	270,579	313,831
Other Expenses	444,049	62,544	23,128	119,212	276,122
Total Expenditures	\$1,386,346	491,755	\$516,237	\$1,573,759	\$1,803,511
Revenue Minus Expenditures	-\$163,839	\$217,194	\$100,265	\$0	\$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.

<b>Staffing (Full Time Equivalent)<sup>1</sup></b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	1.00	1.00	1.00	3.64	4.63
Staff	6.56	6.56	6.56	17.52	18.68
Total Staffing	7.56	7.56	7.56	21.16	23.31

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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Center for Archaeological Investigations (CAI)</u>
3.	Date	<u>6/11/2019</u>
4.	Director	<u>Dr. Mark J. Wagner</u>
4.1	Telephone	<u>618-453-5055</u>
4.2	E-mail	<u>mjwagner@siu.edu</u>
5.	Year Established	<u>1978</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>College of Liberal Arts</u>
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 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 2007-2017; (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 (2018) 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 in the Anthropology and other SIUC departments 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.

## 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) N/A

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	External grants	5	6
2.	Intellectual Contributions	30	56
3.	UG student support	2	5
4.	GA student support	2	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)

CAI accomplishments for 2017-2018 included acquiring \$413,892 in external grants, which 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 repatriated ~80 cubic feet of burial-affiliated objects Native American groups 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 within the next 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	2015
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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

**RESOURCES: (Center for Archeological Investigations)**

**See financial information on attached Excel spreadsheet**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations					
Income Fund					
Grants & Contracts					
Total Revenues					
Expenditures*					
Total Expenditures					
Revenue Minus Expenditures					

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	0.5	0.5	0.5	.05	0.5
State Supported Staff	1.5	1.5	2.0	2.0	2.0
External Grant Supported Staff	3.0	2.0	1.0	1.0	1.0
TOTAL					

## GRANT AND CONTRACT FUNDING

	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014
<b>REVENUE</b>					
Starting Grant Balance	\$308,026.00	\$151,426.00	\$208,332.00	\$262,881.00	\$427,422.00
New Grants and Contracts	\$413,892.00	\$405,610.00	\$262,679.00	\$319,050.00	\$118,300.00
Annual Grant Total	\$721,918.00	\$557,036.00	\$471,011.00	\$581,931.00	\$545,722.00
<b>EXPENDITURES</b>					
Grant Funded Term Staff	\$161,366.00	\$118,258.00	\$166,925.00	\$179,773.00	\$162,090.00
Grant Funded OTS	\$162,853.00	\$130,752.00	\$152,660.00	\$193,826.00	\$120,751.00
Grant Expenditure Total	\$324,219.00	\$249,010.00	\$319,585.00	\$373,599.00	\$282,841.00
<b>ENDING BALANCE</b>	\$397,699.00	\$308,026.00	\$151,426.00	\$208,332.00	\$262,881.00

## STATE FUNDING

	FY 2018	FY 2017	FY 2016	FY 2015	FY 2014
<b>STATE APPROPRIATIONS</b>					
OTS	\$6,582.00	\$6,143.00	\$13,929.00	\$22,864.00	\$20,993.00
Salary	\$117,660.00	\$82,271.00	\$158,932.00	\$197,419.00	\$189,875.00
State Total	\$124,242.00	\$88,414.00	\$172,861.00	\$220,283.00	\$210,868.00
<b>EXPENDITURES</b>					
OTS	\$6,582.00	\$6,143.00	\$13,929.00	\$22,864.00	\$20,993.00
Salary	\$117,660.00	\$82,271.00	\$158,932.00	\$197,419.00	\$189,875.00
Expenditure Total	\$124,242.00	\$88,414.00	\$172,861.00	\$220,283.00	\$210,868.00
<b>ENDING BALANCE</b>	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Center for English as a Second Language (CESL)</u>
3.	Date	<u>April 22, 2019</u>
4.	Director	<u>William Hellriegel</u>
4.1	Telephone	<u>618-453-6538</u>
4.2	E-mail	<u>William.hellriegel@siu.edu</u>
5.	Year Established	<u>1966</u>
6.	Illinois State Statute (if pertinent)	<u>NA</u>
7.	Reporting Unit	<u>College of Liberal Arts</u>
8.	Type	Activity (check all that apply)
	Instructional	<input checked="" type="checkbox"/>
	Research	<input type="checkbox"/>
	Public Service	<input 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

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; Elisa Hunt, CESL Assistant Director; Kathryn Mutchnick, CESL NTT Instructor; Stacie Lawley, CESL NTT Instructor, and Lilia Angel-Post, CESL International Student Adviser.

10.2 Number of Meetings (In This Year) 4

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure: CESL Strategic Goals for 2018		Target for Year	Results in Year
1.	<u>Budget:</u> 1) Bring expenses in line with revenues. 2) Resolve the disorganization and dysfunctionality of CESL's accounting enterprise.	1) Plan for 70 student FTEs per term on average and budget accordingly. 2) Hire a capable person to correct the system, bring order to it, and put it on a stable footing.	1) Accomplished this. Overall average per term enrollment has averaged 70 student FTEs. 2) We were wildly successful in accomplishing this. We hired a very competent person in April 2018, resolved a number of audit issues bringing the audit to closure, and restructured our accounting system into one of accuracy and efficiency.
2.	<u>Recruitment:</u> 1) Attempt to grow individual student enrollments via targeted online advertising. 2) Enhance relationships with Japanese partner universities, thus increasing numbers of students they send to CESL. 3) Continue our strong relationship with the Saudi Arabian Cultural Mission and	1) Additional 30 student FTEs after one year of effort starting in Summer 2018. 2) Increase enrollments from all 4 Japanese universities	1) We have not accomplished this, with only two Colombian students coming to study for two terms as the result of our efforts.

Measure: CESL Strategic Goals for 2018		Target for Year	Results in Year
	<p>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>7) Lastly, we determined that the development of relationships with other Middle Eastern governments or recruiting agencies would not be cost effective, so we gave up trying to accomplish these things.</p>	<p>by as many students as possible.</p> <p>3) We welcomed 25 students in 2018 and expect to receive a second cohort of 25 students in Summer 2019. Moreover, we are told that the program by which the students are sent will continue for at least another two years after this one.</p> <p>4) Have at least one 8-week program and one 16-week program per year.</p> <p>5) Reduce Saudi percentage by increasing numbers for other nationalities/diversity, even as we maintain or even increase Saudi numbers.</p> <p>6) Reduce total travel costs to \$25K/year.</p>	<p>2) This has started to be accomplished and is continuing to be accomplished. We have offered tuition discounts that have made our pricing more attractive in comparison with competing schools both in the U.S. and in other countries; and this has started to produce increased numbers.</p> <p>3) We have accomplished this objective and continue to accomplish it.</p> <p>4) We accomplished this. Although we had only one 8-week program in calendar year 2018, in calendar year 2019, we have already received one 8-week group and one 16-week group, and we hope to welcome yet more groups before 2019 has finished.</p> <p>5) We have accomplished this. Our average at the end of calendar year 2017 was</p>

Measure: CESL Strategic Goals for 2018		Target for Year	Results in Year
			<p>approximately 60% Saudi. Now we are more like 45%. This is still not ideal but it is acceptable even if we cannot improve it further. At the current level, neither Saudi nor other students complain about the balance.</p> <p>6) We accomplished this goal.</p>
3.	<p><u>Curriculum:</u> We've accomplished over the past year a number of improvements. 1) We initiated TOEFL preparation courses at key CESL levels in order to make it more likely that CESL students will attain the University's English language proficiency requirement by the time they finish the CESL curriculum and graduate from CESL, which had been very often not the case. These courses are coupled with minimum TOEFL score requirements for corresponding levels. 2) We merged our three lowest levels into a course structure of a new format called "Learning Center." This new format allows us to cut staffing costs for what would otherwise be very small and money-losing class sizes, at the same time that it allows us to provide more effective individualized instruction for the students. This format has been a large success so far, with very positive student feedback and progress. 3) We developed a new program option called the Community Engagement Program. In addition to the teacher training that we do with Panamanian groups and potentially with other groups as well, Community Engagement will allow us to offer a to short-term option for a growing market in our field worldwide.</p>	<p>1) We had intended to implement these changes effective March 2019.</p> <p>2) We planned to implement this in January 2019.</p> <p>3) We plan to run our first iteration of this new program in July 2019 for two small Japanese groups, with a larger scale offering in Spring 2020.</p>	<p>1) We had to delay implementation due to student confusion and not enough lead time. We are now set to implement effective May 2019.</p> <p>2) We implemented this on schedule and, as mentioned, it has been very successful. Nonetheless, we continue to tweak it in order to make the related work load manageable for the instructor.</p> <p>3) This will start on schedule, but results are, obviously, not yet in.</p>

Measure: CESL Strategic Goals for 2018		Target for Year	Results in Year
	<p>Otherwise, we decided not to pursue development of a CoLA Bridge Program whereby qualified students would have taken credited University courses and CESL courses concurrently, with study support provided by CESL. We made this decision both because the volume of students we anticipated did not justify the anticipated cost expenditure, and the University indicated its position that current SIU rules and regulations do not permit such an enterprise.</p> <p>Finally, going forward, we have made some changes to admin staff duty so that the CESL Assistant Director can focus more intensively on managing and developing the main CESL curriculum, a task on which we have not made much progress recently.</p>		
4.	<p><u>Staffing:</u> We wanted to adjust our staffing appropriately for our budget and enrollment situations, making sure to meet the demands for adequate admin staffing to keep CESL operating and also to have qualified instructors in all the classes we need to run.</p>	<p>We first aimed to reduce our staffing as necessary so that we would not run an annual deficit. Then, we planned to staff each function appropriately and most effectively with either a full-time person or a graduate assistant.</p>	<p>We have accomplished this objective over the past year.</p>
5.	<p>Maintain good and productive relationships with CoLA, CIE and Linguistics.</p>	<p>Collaborate collegially and appropriately.</p>	<p>We have accomplished this objective.</p>

\* 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) As mentioned above, we have stabilized CESL's budget and staffing situations such that we now have a very efficient operation and also one that is staffed appropriately and effectively. I would also add that the organizational spirit is, in my view, the best it has been since I arrive more than 2 years ago. We have hired some very positive and capable persons, and some staff who were not happy working in CESL have left.
- 2) We have completely overhauled CESL's accounting system and put it on a sound footing.

- 3) We have strengthened key relationships with providers of our students.
- 4) We have maintained positive relationships with other CESL stakeholders at SIU.

#### 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 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.

#### 11.5 Evidence of Organizational Effectiveness

CESL graduates students 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      April 1, 2018

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**RESOURCES: (CESL)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations					
Student Tuition and Fees	1,031,909	1,210,247	2,028,000	2,690,473	3,154,571
Grants & Contracts				2,500	1,978
Investment Income	5,678	6,262	1,000	2,013	10,631
Miscellaneous	51,175	10,447		536,173	113,799
Total Revenues	1,088,762	1,226,956	2,029,000	3,231,159	3,280,979
Expenditures*					
Salaries and Wages	704,154	1,036,380	1,806,000	1,834,375	1,685,162
Insurance Contributions	22,261	31,261	31,618	26,626	26,075
Travel	24,665	24,158	30,000	97,493	99,070
Equipment		5,617	12,000	107,009	97,167
Commodities	83,375	59,413	30,000	131,562	79,206
Contractual Services	124,082	132,466	28,382	1,255,001	623,049
Other	100,962	75,596	91,000	(258,980)	684,097
Total Expenditures	1,059,499	1,364,891	2,029,000	3,193,086	3,293,826
Revenue Minus Expenditures	29,263	(137,935)	0	38,073	(12,847)

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	6	12	17	21	21
Staff	4	8	7	7	7
Total Staffing	10	20	24	28	28



CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>	
2.	Center/Institute	<u>Center for Fisheries, Aquaculture, &amp; Aquatic Sciences (CFAAS)</u>	
3.	Date	<u>May 6, 2018</u>	
4.	Director	<u>James Garvey</u>	
4.1	Telephone	<u>618 453 4551</u>	
4.2	E-mail	<u><a href="mailto:jgarvey@siu.edu">jgarvey@siu.edu</a></u>	
5.	Year Established	<u>1950</u>	
6.	Illinois State Statute (if pertinent)	<u>None (although SIUC Illinois Aquaculture Center recognized by state statute)</u>	
7.	Reporting Unit	<u>Vice Chancellor for Research</u>	
8.	Type	Activity (check all that apply)	
	Instructional	<table border="1"><tr><td>X</td></tr></table>	X
X			
	Research	<table border="1"><tr><td>X</td></tr></table>	X
X			
	Public Service	<table border="1"><tr><td>X</td></tr></table>	X
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 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.
- Bring international exposure to SIUC's ecological/environmental scholarship and leadership.

## 10. Advisory Board

### 10.1 Advisory Board - Membership

N/A

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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		\$1,085,227
2.	Peer-reviewed Publications		22
3.	Graduate Students Enrolled		9
4.	Graduate Students Finishing Degrees		7
5.	Undergraduate Research Projects Supervised		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)

Despite state funding reductions, CFAAS continues to maintain high productivity per faculty member with nearly \$1.1M in external funding for research projects leading to 22 peer reviewed publications.

Additional accomplishments include:

Corie Fulton, masters student under Mike Lydy, won the SETAC/EA Engineering Jeff Black Award (2018) – This is the top fellowship for master’s students at SETAC and only is given annually.

Greg Whitley served as Vice President (2017-February 2018) and then President (as of February 2018) of the IL Chapter of the American Fisheries Society.

Claire Snyder (M.S. student) received the Best Poster Presentation Award at the 2018 Annual Meeting of the Illinois Chapter of the American Fisheries Society.

Michael Glubzinski (M.S. student) received a \$500 student research grant from the Illinois Chapter of the American Fisheries Society.

Ed Heist received a Distinguished Service Award from the American Elasmobranch Society.

Jim Garvey served on the Board of Directors of the North Central Regional Aquaculture Center of the USDA.

### 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.
- We maintained center facilities including budgeting \$25k of our indirect recovery funds for the insurance deductible on the repair of the Wetlab roof, which was damaged in a storm in 2015.
- 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.

### 11.5 Evidence of Organizational Effectiveness

Center Director Jim Garvey is currently the 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	<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>(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)</u>

<b>RESOURCES: Center for Fisheries, Aquaculture and Aquatic Sciences</b>					
<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues:					
State Appropriations	437,674.43	201,178.26	520,975.45	574,169.11	573,932.04
Local Accounts	138,199.12	164,379.44	204,577.75	231,102.00	206,769.33
Grants & Contracts	1,085,227.05	1,298,984.53	1,544,030.00	2,032,054.03	2,272,055.57
Total Revenues	1,661,100.60	1,664,542.23	2,269,583.20	2,837,325.14	3,052,756.94
Expenditures:					
Salaries	962,160.75	1,151,946.20	1,093,109.55	1,251,764.98	1,425,459.25
Wages	17,408.97	23,591.25	24,661.69	24,051.10	24,491.50
Travel	56,003.17	64,252.18	64,699.64	116,742.85	109,036.02
Equipment	25,478.16	108,586.96	(338.78)	87,925.45	37,492.70
Commodities	134,356.87	186,334.01	169,156.14	527,012.05	335,038.46
Contractual Services	115,818.89	118,060.76	360,254.05	353,682.85	530,531.49
Op/Auto	49,522.48	46,289.74	45,344.43	54,093.25	67,356.62
Telephone	3,971.86	4,504.75	5,209.48	4,726.66	5,163.24
Fringe Benefits	150,423.77	205,523.52	134,403.96	128,840.00	167,719.24
Indirect	103,679.71	105,835.37	117,788.66	252,368.29	197,265.20
Other	15,271.79	10,799.48	40,514.63	16,176.11	48,267.29
Total Expenditures	1,634,096.42	2,025,724.22	2,054,803.45	2,817,383.59	2,947,821.01
Revenue Minus Expenditures	27,004.18	(361,181.99)	214,779.75	19,941.55	104,935.93
* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.					
<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	4	2.25	3.6	3.7	5.3
Staff	40.2	28.7	30.8	39.2	45.2
Students	2.6	5	10	12.5	12.8
Graduate Assistants	8.8	10.5	11.8	14.8	15.3
Total Staffing	55.6	46.45	56.2	70.2	78.6

# CENTERS AND INSTITUTES ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	Southern Illinois University School of Medicine						
2.	Center/Institute	Center for Rural Health and Social Service Development (CRHSSD)						
3.	Date	12/17/2018						
4.	Director	Kim Sanders						
4.1	Telephone	618-453-5545						
4.2	E-mail	ksanders@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	<div style="text-align: center;">Activity (check all that apply)</div> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-right: 1px solid black; padding: 5px;">Instructional</td> <td style="padding: 5px;"></td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">Research</td> <td style="text-align: center; padding: 5px;">X</td> </tr> <tr> <td style="border-right: 1px solid black; padding: 5px;">Public Service</td> <td style="text-align: center; padding: 5px;">X</td> </tr> </table>	Instructional		Research	X	Public Service	X
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 FY2018 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, SIU Office of the President
- Randy Dauby, CEO/Administrator, Pinckneyville Community Hospital, Pinckneyville
- Cindy Flamm, CEO, Rural Health, Inc., Anna
- Carl Flowers, PhD, Director, SIUC Rehabilitation Institute
- 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
- Cynthia Sims, SIUC Interim Associate Dean for Academic and Student Affairs
- 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	\$2,534,667
2. Grant Applications – Number/Funding Sought	3 projects/ \$250,000	10 projects/ \$2.47 million
2. Publications and Presentations	3	8
3. Continuing Education Programs	5	27
4. Community Collaborations	75	202
5. University Collaborations	10	22

\* 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)

In FY2018, the Center for Rural Health and Social Service Development (CRHSSD) accomplished a number of major projects and continued efforts to enhance the southern and southeastern Illinois region's health and social services systems.

SIU's CRHSSD became the fiscal and administrative home to the SIU Carbondale campus' Garrett Lee Smith (GLS) Campus Suicide Prevention grant from Substance Abuse and Mental Health Services Administration (SAMHSA) in September 2017. Suicide Gatekeeper training has been provided to approximately 100 staff and students to recognize signs of suicide and take appropriate action. A complete campus-wide protocol has also been developed to assist students in distress and plans for distribution are being developed.

The CRHSSD also provided continuing educational activities in 27 training sessions offering 315 continuing education units for regional licensed social workers and licensed professional counselors.

University of Chicago and SIU School of Medicine's Population Science and Policy received NIH funding for a research grant to reduce the spread of infectious diseases associated with injection drug use and to increase the utilization of needed clinical care. The CRHSSD worked with this project entitled *Ending transmission of HIV, HCV, and STDs and overdose in rural communities of people who inject drugs (ETHIC)* to identify stakeholders, health-related resources, and other critical community characteristics in the 16 county Illinois Delta region.

As lead agency for the Coordinated Approach To Child Health (CATCH) program in the southern sixteen Illinois Delta counties, the CRHSSD continues to address childhood obesity, but has incorporated the Centers for Disease Control's *Whole School, Whole Community, Whole Child Model (WSCC)* approach for coordinated school health programming for more than 20,000 students and their families to integrate a strong emotional and mental health component into school-based efforts. This expansion includes 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. Twenty-five regional trainings have been conducted, preparing over 500 school and community personnel to recognize the need for intervention and referral.

The CRHSSD partnered with Rush University Medical Center to receive funding from the Health Resources and Services Administration (HRSA) supporting a Geriatric Workforce Enhancement Program (GWEP). The southern Illinois GWEP team has created the Older Adults Community Care Collaborative Initiative (OACCCI). To date, this project has referred 121 patients for additional resources and services targeted to the southern Illinois geriatric community.

The CRHSSD facilitated the Southern Illinois Behavioral Health Consortium - Region 5 Behavioral Health Network in partnership with the Community Behavioral Health Association (CBHA) and others agencies. In FY2018, this consortium conducted two regional "Call for Community Solutions" meetings regarding prescription drug/opioid and heroin abuse in the southernmost 33 counties, and have hosted six events to date. The meetings assist local coalitions to develop and implement action plans addressing this issue in their respective counties and focused on prevention and stigma associated with addiction this project year. At least four grant submissions incorporating content from the consortium's meetings were completed by various local organizations on behalf of the region, with CRHSSD assistance. Complementary to this work, the Illinois Department of Human Services' Prescription Monitoring Program (PMP) received funding from the Centers for Disease Control and Prevention'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 has engaged and serves as a liaison to the health departments in these southern counties to promote PMP utilization by providers and identify barriers to use. This project year also included funding to hire two Pharmacist Educators to provide outreach, technical assistance, and education to prescribers in the central and southern Illinois regions.

The CRHSSD and its community affiliates partnered with SIU School of Social Work to renew a four year workforce education grant from the Health Resources and Services Administration to train graduate-level social service and rehabilitation counseling students regarding trauma-based behavioral health. In addition to the 75 fellows trained to provide trauma-based clinical interventions to at-risk children, adolescents, and transitional youth in the previous three years, 21 new students were added this project year. A new four-year proposal submitted this year will expand this program to include Rehabilitation graduate students in addition to those in Social Work. A supplemental application was submitted to provide 2 years of funding to current grantees to improve access to quality opioid use disorder (OUD) and other substance use disorder (SUD) treatment.

The CRHSSD partnered with the Jackson County Health Department to develop an SIU branch of Medical Reserve Corps (MRC), which is a national network of volunteers, organized locally into MRC units dedicated to improving the health and safety of their communities. Protocols, policies and procedures were created and volunteers recruited and trained. Twenty-seven active volunteers now make up the SIU MRC and they successfully staffed their first two events, the 50<sup>th</sup> anniversary Special Olympics celebration and The Special Olympics Track and Field Day.

The CRHSSD continues to lead rural transportation access solutions through the RIDES to Wellness initiative, conducting two focus groups, facilitating 31 meetings, and engaging 12 behavioral health agencies in coordinating transportation services for patients seeking behavioral health services or at risk for hospital readmission; and through the establishment of the Southern Illinois Collative for Innovative Care Coordination (SICICC) network, exploring a community paramedicine model for pilot implementation.

The center has been 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 FY2018, the CRHSSD received \$2,534,667 in external grants and contracts, \$1,238,240 of which was reallocated to the surrounding community through various collaborations with health and social service organizations. The CRHSSD submitted or collaborated on 10 external proposals totaling over \$2.46 million for consideration by funding agencies; awards are pending. 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 FY2018, 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 \$2.53 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 2011-2012

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: Center for Rural Health and Social Service Development**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	\$150,372	\$153,576	\$153,576	\$153,576	\$152,742
External Grants	1,692,518	1,261,162	559,282	719,514	1,373,942
Contractual/Income	4,313	7,668	20,793	5,643	66,125
Rural Health Initiative <sup>1</sup>	161,600	112,000	120,000	100,000	60,856
Indirect/Overhead Return	32,404	25,794	14,604	20,144	16,239
Total Revenues	\$2,041,207	\$1,560,200	\$868,255	\$998,877	\$1,669,904
Expenditures					
Salaries	\$569,350	\$422,938	\$394,576	\$447,468	\$422,367
Fringe Benefits	154,228	118,294	56,372	76,683	73,280
Travel	29,535	19,442	7,210	20,420	22,239
Equipment	4,627	0	4,351	0	2,016
Commodities	17,585	20,905	5,737	58,820	46,756
Community/University Program Grants <sup>2</sup>	687,921	481,864	289,405	290,000	869,925
Contractual - Other	110,761	71,395	47,771	23,697	38,545
Indirect to University	136,402	121,857	59,405	65,912	58,878
Total Expenditures	\$1,710,409	\$1,256,695	\$864,827	\$983,000	\$1,534,006
Revenue Minus Expenditures	\$330,798	\$303,505	\$3,428	\$15,877	\$135,898

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.

<b>Staffing (Full Time Equivalent)<sup>1</sup></b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	0.00	0.00	0.00	0.00	0.00
Staff	7.80	8.00	7.00	7.00	7.00
Extra Help	0.77	0.00	1.00	2.00	2.00
Graduate Assistants	2.00	3.00	4.00	5.00	5.00
Student Workers	0.00	0.00	0.00	0.00	0.00
Total Staffing	10.57	11.00	12.00	14.00	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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>	
2.	Center/Institute	<u>Clinical Center</u>	
3.	Date	<u>April 30<sup>th</sup>, 2019</u>	
4.	Director	<u>Holly C. Cormier</u>	
4.1	Telephone	<u>618-453-2361</u>	
4.2	E-mail	<u>cormierh@siu.edu</u>	
5.	Year Established	<u>1958</u>	
6.	Illinois State Statute (if pertinent)	<u>N/A</u>	
7.	Reporting Unit	<u>Associate Provost – David Dilalla</u>	
8.	Type	Activity (check all that apply)	
	Instructional	<table border="1"><tr><td>Yes</td></tr></table>	Yes
Yes			
	Research	<table border="1"><tr><td>Yes</td></tr></table>	Yes
Yes			
	Public Service	<table border="1"><tr><td>Yes</td></tr></table>	Yes
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

(briefly describe the center/institute)

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

(give the mission of the center/institute)

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

(list the current objectives for the center/institute)

- 1) To 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.

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## 10. Advisory Board

### 10.1 Advisory Board - Membership

(provide the name and list the membership of the center/institute advisory board. If multiple boards are used, list each.)

- 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
- 11) Tammy Wieseman – Clinical Center

10.2 Number of Meetings (In This Year) June 2019 will be first meeting

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure	Target for Year	Results in Year
1. Client Satisfaction Surveys		<b>Overall Satisfaction with therapy services</b> (max. 5) – the average client rating was 4.7 <b>Overall Satisfaction with Staff Services</b> 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



- |   |
|---|
| 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

(briefly provide any evidence of the center/institute's organizational effectiveness in this year)

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 to contribute to all levels of university programming.

## 12. Institutional Assessment

12.1	Date of Last Review	(Last annual report that was completed and submitted was May/June 2018.
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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

Measure		Target for Year	Results in Year
			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 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)

(briefly summarize center/institute's major accomplishments for the 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

(briefly provide any evidence of the center/institute's support for statewide, SIU system, or campus priorities in this year)

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

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

- 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.

12.3 Explanation

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(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)

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**RESOURCES: Clinical Center**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	319,132.19	359,585.56	340,810.51	413,408.53	407,388.59
Income Fund	147,055.00	102,960.50	65,584.78	57,982.50	55,656.00
Grants & Contracts	23,810.00	20,000.00			
Non-mandatory transfer in	4,4000.00				
xxx					
xxx					
Total Revenues	494,397.19				
Expenditures*					
Salaries	337,885.34				
Equipment	1,1918.54				
Travel	4,494.36				
Contractual	18,013.49				
Commodities	10,189.38				
Telecom	4,878.62				
Wages	7,200.64				
Total Expenditures	389,039.31				
Revenue Minus Expenditures	105,357.88				

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
GAs	4.5	3.5	3.5	3.5	5
Staff	6.5	6.5	6.75	6.75	6.75
Total Staffing	11	10	10.25	10.25	11.75

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Cooperative Wildlife Research Laboratory (CWRL)</u>
3.	Date	<u>April 19, 2018</u>
4.	Director	<u>James E. Garvey, Acting Director</u>
4.1	Telephone	<u>(618) 453-4551</u>
4.2	E-mail	<u>jgarvey@siu.edu</u>
5.	Year Established	<u>1950</u>
6.	Illinois State Statute (if pertinent)	<u>NA</u>
7.	Reporting Unit	<u>Vice Chancellor for Research</u>
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

As recently as 2017, the CWRL consisted of one director and 6 full time Faculty members (three positions, one in Wildlife Toxicology, one in Wildlife Ecology, 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 currently vacant faculty position in Wildlife Ecology.

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. Faculty members in the CWRL include:

Jim Garvey, Professor (Fisheries) and Acting Director  
 Matt Whiles, Former Interim Director (resigned)  
 Eric Schaubert, Professor (resigned)  
 Clay Nielsen, Professor  
 Mike Eichholz, Associate Professor  
 Justin Boyles, Assistant Professor  
 Jason Brown, Assistant Professor

10.2	Number of Meetings (In This Year)	6 CWRL faculty meetings; meetings with the VCR ~ 2 times per month.
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## 11. Annual Performance

### 11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Grant funds generated		\$1, 204, 618
2.	Peer-reviewed publications		34
3.	Graduate students enrolled		13
4.	Graduate students completed		9
5.	Undergraduate researcher projects		12

\* 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)

CWRL faculty members brought in nearly \$1 million in external funding this past year, and published 33 peer-reviewed manuscripts. Collectively, faculty mentored and advised 25 undergraduates in the zoology and forestry. CWRL research projects also provided numerous employment and volunteer opportunities for undergraduate workers. CWRL faculty members taught graduate and undergraduate courses in zoology and forestry with a combined enrollment of 194 students.

The CWRL successfully launched the Professional Science Masters Degree Program in Wildlife Administration and Management, with a first-year enrollment of 6 students.

Nine graduate students in the CWRL completed their degrees during FY17

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

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.

### 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

M. Whiles served as Interim Director of the CWRL while running a highly productive research and graduate training program. Whiles met with the Vice Chancellor for Research twice monthly to discuss CWRL goals, progress, finances, and related issues. 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	<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>The CWRL was reviewed this year by external reviewers and the APAA as part of the regular cycle for review.</u>

<b>RESOURCES: Cooperative Wildlife Research Laboratory</b>					
<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues:					
State Appropriations	458,493.58	221,266.16	473,628.24	512,526.69	511,624.47
Local Accounts	76,128.29	28,557.18	80,647.29	111,656.72	116,609.62
Grants & Contracts	434,498.90	320,614.35	927,126.18	1,011,633.63	1,008,472.95
Total Revenues	969,120.77	570,437.69	1,481,401.71	1,635,817.04	1,636,707.04
Expenditures:					
Salaries	906,538.23	681,670.29	985,484.09	1,030,716.16	1,003,780.03
Wages	26,295.14	11,516.91	14,633.19	31,873.96	35,885.99
Travel	27,591.96	26,772.27	39,220.27	51,222.04	39,313.55
Equipment	1,027.99	(36,285.04)	32,470.93	117,567.00	33,899.22
Commodities	260,681.40	124,062.01	217,598.42	248,962.70	88,828.44
Contractual Services	58,987.69	52,255.67	206,667.35	139,969.11	145,621.90
Op/Auto	33,312.16	15,175.32	65,082.10	59,135.77	67,060.73
Telephone	2,987.60	3,053.86	3,764.01	5,826.86	2,363.48
Fringe Benefits	47,618.51	5,911.55	43,616.64	60,751.85	29,757.31
Indirect	150,297.27	48,848.67	209,114.61	155,976.22	138,172.59
Other	29,528.30	20,000.00	3,301.34	11,161.35	20,302.18
Total Expenditures	1,544,866.25	952,981.51	1,820,952.95	1,913,163.02	1,604,985.42
Revenue Minus Expenditures	(575,745.48)	(382,543.82)	(339,551.24)	(277,345.98)	31,721.62
* Categorize expenditures in easily understood, consistent categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.					
<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	7	5	5.2	5.2	6.0
Staff	54.3	21.3	49.8	66.7	60.7
Students	14.5	12	11.0	16.0	18.0
Graduate Assistants	13.5	8.8	14.0	13.3	13.3
Total Staffing	89.3	47.1	80.0	101.2	98.0

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Fermentation Science Institute (FSI)</u>
3.	Date	<u>5/22/2019</u>
4.	Director	<u>Matthew McCarroll</u>
4.1	Telephone	<u>618-453-7508</u>
4.2	E-mail	<u><a href="mailto:mmccarroll@siu.edu">mmccarroll@siu.edu</a></u>
5.	Year Established	<u>2014</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>Provost and Vice Chancellor for Academic Affairs</u>
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 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 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.

*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.

*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

Jared Jankoski – Brewmaster, Goose Island Brewing Company

Paul Cobet – Annheuser 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	-	\$880
2. Gifts-in-kind	-	\$119,250
3. Research Projects	-	2
4. Sponsored Events	2	3
5. Carbondale Brewfest	-	TBD
6. FSI related Grant Proposals Submitted	3	6

Measure		Target for Year	Results in Year
7.	Grant Proposals Funded	1	3 (\$151,707)
8.	Revenue from Testing Services	\$5,000	\$9,508

\* 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 during the previous 5 years include the following:

- Facilities and Infrastructure
  - Designed and secured funding for the construction 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 and in collaborative 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)
  - Established infrastructure for business operations of the FSI, including support for the academic, research, outreach and event management activities of the institute
- Programmatic and Curricular Development
  - Coordinated and implemented program and curricular development in fermentation science
  - Developed and gained IBHE approval of the 4-year BS degree in fermentation science (2016)
  - Developed and gained approval for 8 new undergraduate courses that are managed and supported by the FSI
  - Obtained recognition of the degree program by the Master Brewers Association of the Americas (one of only 7 programs nationally)
- 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 than 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
  - Established the FSI Service Laboratory, which is a fee-for-service 3<sup>rd</sup> party testing facility focused on analysis of alcoholic beverages
    - Obtained certification from the Federal Tax and Trade Bureau for the analysis of beer, wine and spirits (one of only six 3<sup>rd</sup> party testing facilities certified for beer, wine and spirits nationally)
    - Has provided services for nearly 40 businesses, including services that helped to launch new businesses 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, 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 an articulation agreement with Richland Community College and are in discussions with others.

*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 serves as co-PI on a funded \$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:

USDA Illinois Specialty Crop Block Grant Program, "Identifying antioxidant content and gustatory quality development patterns to increase value of locally grown fruit",

Matthew McCarroll (PI), Mihai Lefticariu, Bradley Taylor, Sylvia Smith, Mingqing Xiao, Dasshun Xu, \$94,338, 1/1/2017-12/31/2018 [submitted 5/11/2016]

USDA Local Food Promotion Program, “New Market Opportunities for Farmers and Producers in Southern Illinois: Malting Barley and Hops”, Matt McCarroll, Sylvia Smith and John Farrish, \$66,785, 9/30/2017-3/31/2019 [submitted 3/27/2017]

Blue Owl Brewing, “The effects of fermenting beer yeast in an acidic environment and the impact it has on the flavor and aroma profile”, Katherine Witrick, \$3,058, [submitted 2017, FUNDED]

USDA Rural Development Program, “Pilot Malting Facility to Develop Local Malting as a New Value Added Crop in Southern Illinois”, Matthew McCarroll and Katherine Strain, \$120,427, 7/1/2017-6/30/2018 [submitted 3/31/2017, FUNDED]

USDA Illinois Specialty Crop Grant Program, “New Market Opportunities of Farmers in Illinois: Hops”, Sylvia Smith, Matt McCarroll, John Farish, Katherine Witrick, and Katherine Strain, \$28,222, 1/1/2018 – 9/29/2019 [submitted 5/2017, FUNDED]

Brewers Association, “Characterization of Aroma and Bittering Contributions of Botanical Ingredients in Beer”, Matthew McCarroll, \$31,490, 1/1/2018-12/31/2018 [submitted spring 2017]

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 nationally 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.

*Service Laboratory.* The FSI successfully recruited and hired a Laboratory Operations Coordinator, whose primary job functions are to support the Service Laboratory and the teaching laboratories. The laboratory also became formally certified by the Tax and Trade Bureau of the U.S. Government for the analysis of beer. The laboratory initiated the certification procedures for 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 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.

*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 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

*Public Outreach and Engagement.*

*Carbondale Beer Festival.* The FSI carried out its 3<sup>rd</sup> year of partnering with the Carbondale Main street organization to organize the Carbondale Beer fest. The FSI helps to facilitate participating 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

The Institute has fully established effective business operations for what represents a completely new operational unit on the Carbondale campus. During FY18 the Laboratory Operations Coordinator resigned her position due to her family relocating (spouse is now head baseball coach at Metropolitan State University). While this represented a setback and the unit was not staffed beyond the Director for part of the year, a search was successfully conducted to replace the Coordinator position and an addition hire was completed for an office administrator. This position was planned and budgeted but not filled during the period the FSI and the fermentation science degree program were being established to conserve resources until the position was truly needed.

The FSI has also acted in a centralized role for the other occupants and activities of the McLafferty Annex and plays an 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 NA

12.2 Decision at Last Review Center/Institute in Good Standing

\_\_\_\_\_ Center/Institute Flagged for Priority Review  
\_\_\_\_\_ Center/Institute Suspended  
\_\_\_\_\_

12.3 Explanation

The FSI will undergo an internal review in the coming year.

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**RESOURCES: (Fermentation Science Institute)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	142,075.58	59,517.97*	166,242.25	151,764.10	
Service Lab	**15,640.96	19,829.72	1,234.00	0	
Overhead Recovery (expenditure)	6,266.02	2,598.22	15,500.00	0	
Course Fees	1,455.00				
Awards and Grants	120,427.00				
Total Revenues	285,864.56	81,945.91	182,976.25	151,764.10	
Expenditures*					
Salaries	132,854.58	139,451.69	121,578.83	102,787.94	
Travel	4,690.15	2,254.28	6,292.68	1,193.75	
Equipment	3,678.80	1,576.21	19,609.16	24,469.92	
Commodities	14,065.05	9,886.78	17,203.32	6,488.09	
Contractual Services	8,477.80	13,711.35	16,388.68	4,045.68	
Awards and Grants	0	0	1,443.00	54.75	
Telecommunications	962.31	960.00	585.30	116.48	
Course Fees	1,075.58				
Total Expenditures	165,804.27	167,840.31	181,657.97	139,156.61	
Revenue Minus Expenditures	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.

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	.25	.25	0	0	
Staff	2.5	1.5	1.5	1.5	
Total Staffing	2.75	1.75	1.5	1.5	

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>	
2.	Center/Institute	<u>Illinois Soybean Center (ISC)</u>	
3.	Date	<u>May 1, 2019</u>	
4.	Director	<u>Jason P. Bond</u>	
4.1	Telephone	<u>618-453-4309</u>	
4.2	E-mail	<u>jbond@siu.edu</u>	
5.	Year Established	<u>1997</u>	
6.	Illinois State Statute (if pertinent)	<u>N/A</u>	
7.	Reporting Unit	<u>College of Agricultural Sciences</u>	
8.	Type	Activity (check all that apply)	
	Instructional	<table border="1"><tr><td>X</td></tr></table>	X
X			
	Research	<table border="1"><tr><td>X</td></tr></table>	X
X			
	Public Service	<table border="1"><tr><td>X</td></tr></table>	X
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 was started in 1997.
  - Intent was to develop a center without walls.
  - Developed a proposal for state appropriation to hire a plant pathologist and plant geneticist to fill curriculum and research deficiencies.
- Illinois Soybean Association established and endowment of \$500,000 in 2005.
  - 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.
- Agronomy Society was officially recognized as a registered student organization in 2014. The club is a resurrected form of the Plant and Soil Science Club that ended in the late 1990s. The recommendation for this club came from the Illinois Soybean Association members serving on the Board of Trustees of the Illinois Soybean Center.
- The Agronomy Society is a honor society of undergraduate and graduate students who maintain a 3.0 GPA.

### 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 to practical solutions of 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	Jeremy Davis	Weed Science	Karla Gage



Engineering/Technology Microbiology	Vacant Scott Hamilton-Brehm	Soil Science	Amir Sadeghpour
<b>Board of Directors:</b>			
1. Director			
2. Associate Dean, COAS			
3. Chair, Department of Plant, Soil, and Agricultural Systems			
4. Chair, Department of Animal Science, Food and Nutrition			
5. Chair, Department of Agribusiness Economics			
6. Fisheries and Illinois Aquaculture Rep			
7. Faculty Rep			
8. Illinois Soybean Association Executive Director			
9. Illinois Soybean Association Chairman			
10. Illinois Soybean Association District Rep			
11. Dean, COAS - Ex Officio			

10.2 Number of Meetings (In This Year) 1

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Publications	30	31
2.	Public Service Activities (Field Days, Conferences, workshops, etc.	50	44
3.	National/Regional Research Projects or Working Groups	--	15
4.	Graduate Students Trained (MS and PhD)	20	26
5.	Undergraduate Student Workers Trained	25	33
6.	Undergraduate Leadership Training (Agronomy Honor Society)	50	59
6.	Undergraduate Job Placement/Graduate School	20	21
8.	Graduate Students Job Placement/Graduate School	--	12
9.	Grant Dollars	--	\$5,493,186
10	Internships	--	7

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

-- Targets will be identified at completion of Strategic Plan

## 11.2 Major Accomplishments (In This Year)

(briefly summarize center/institute's major accomplishments for the year)

- The Director met twice with United Soybean Board, North Central Soybean Research Program, and Soybean Center Directors from Iowa, Missouri, Indiana, and Ohio.
  - 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 2017 meeting in Tampa, FL, SIU students placed 6<sup>th</sup> in the nation among the Land Grant Universities for club activities and community involvement. They finished 1<sup>st</sup> in Illinois.
  - Individually, undergraduate student researchers from SIU finished 1<sup>st</sup> and 3<sup>rd</sup> in the nation for oral presentations and 3<sup>rd</sup> in the nation for poster presentations.
- 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 92 undergraduates, and over 3,000 industry, alumni and soybean stakeholders in the past year. Center faculty also helped place 33 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 26 graduate students (MS and PhD).

**Support undergraduate research activity –** Faculty research grants led to the support of 33 undergraduate student researchers.

**Enhance the university's external reputation –** Faculty were engaged with 15 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 3,000 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 31 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.

<p><b>Increase student competitiveness in the marketplace</b> – This is evidenced by placing 33 undergraduate and graduate students.</p>
--

#### 11.4 Evidence of Support for Center/Institute Objectives

- |   |  |
|---|--|
| <p>1) <b>Conduct research on soybean that increases basic knowledge and contributes to practical solutions of stakeholder problems.</b> 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.</p> <p>2) <b>Develop new soybean cultivars and germplasm that enhance production and value.</b> SIU did not release new soybean cultivars and germplasm in 2017, but historically this has been a hallmark of the soybean research program at SIU.</p> <p>3) <b>Facilitate technology transfer of research outcomes to growers, to the soybean industry, and to consumers.</b> This is evident by the numbers of publications, extension presentations, workshops and one-on-one training sessions.</p> <p>4) <b>Establish consortia with public and private organizations to enhance research, teaching and outreach for mutual benefit.</b> Currently SIU soybean researchers are the Lead Investigators on 2 National United Soybean Board Projects totaling \$1 million in grant funding. The Illinois Soybean Center is actively engaged with State, Regional and National Soybean Associations in addition to Soybean Centers at The Ohio State University, Iowa State University, University of Missouri and Purdue University.</p> <p>5) <b>We encourage multi-disciplinary research and improve external</b> funding opportunities as evidenced by our faculty advisory board and the amount of grant funding.</p> |  |
|---|--|

#### 11.5 Evidence of Organizational Effectiveness

<p>A major limitation of the Illinois Soybean Center is that there are limited funds to operate the Center and there are no staff members. The Director also does not have an administrative appointment (no release time). He is volunteering to serve in this capacity, and he has a full workload in teaching, research and service. Given this level of funding, certainly there is a positive return on the investment.</p> <p>Over the past year, the Director has continued to expand the Agronomy Society in size and purpose. Additionally, there are several research proposals are in development to expand the training and leadership opportunities for undergraduate and graduate students. In the summer and fall of 2019, the Faculty Advisory Committee and Board of Directors will develop a strategic plan for the Center. This plan will guide the Center and will help to identify avenues for future funding of the Center.</p>
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## 12. Institutional Assessment

12.1	Date of Last Review	2012
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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)

**RESOURCES: Illinois Soybean Center**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	-	-	179,319.36	157,181.91	164,781.00
Income Fund	-	-	-	-	-
<b>Grants &amp; Contracts (faculty research activity)**</b>	<b>5,493,186.00</b>	<b>2,067,169.00</b>	<b>2,370,269.00</b>	<b>2,259,488.00</b>	<b>3,787,443.00</b>
University Match on Interest from Endowment***	82,138.29	-	-	20,530.00	-
Distribution from Endowment	20,535.29	20,535.20	20,534.59	20,534.58	20,530.20
<b>Total Revenues****</b>	<b>-</b>	<b>-</b>	<b>199,853.95</b>	<b>198,246.49</b>	<b>185,311.2</b>
Expenditures*					
Salaries	-	-	214,507.03	156,933.67	169,988.08
Fringe Benefits	-	-	-	-	-
Travel	-	-	-	-	-
Equipment	-	-	-	-	1,051.39
Commodities	-	-	-	-	2,677.22
Contractual Services	-	-	-	95.55	6,916.38
Award and Grants (Grad As. Fee)	-	-	284.70	109.50	129.00
Operation of Auto	-	-	-	-	-
Telecommunications	-	-	-	-	168.59
<b>Total Expenditures</b>	<b>-</b>	<b>-</b>	<b>214,791.73</b>	<b>157,138.72</b>	<b>180,930.66</b>
<b>Revenue Minus Expenditures</b>	<b>-</b>	<b>-</b>	<b>41,107.77</b>	<b>4,380.54</b>	<b>18,106.20</b>

\* 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.

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	-	-	1.53335	1.0187	1.5
Staff	-	-	0.875	0.499	0.1459
<b>Total Staffing</b>	<b>-</b>	<b>-</b>	<b>1.6459</b>	<b>2.1831</b>	<b>2.0415</b>

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Materials Technology Center (MTC)</u>
3.	Date	<u>April 18, 2019</u>
4.	Director	<u>Ian Ivar Suni, Ph.D.</u>
4.1	Telephone	<u>618-453-7822</u>
4.2	E-mail	<u><a href="mailto:isuni@siu.edu">isuni@siu.edu</a></u>
5.	Year Established	<u>1983</u>
6.	Illinois State Statute (if pertinent)	<u>Unknown</u>
7.	Reporting Unit	<u>Office of the Vice Chancellor for Research</u>
8.	Type	Activity (check all that apply)
	Instructional	<input type="checkbox"/> Aspirational
	Research	<input checked="" type="checkbox"/> XX
	Public Service	<input 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 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 a competitive seed grant program that funds 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 and Biosensors, 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 of 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. Tomasz Wiltowski, Director of the Advanced Coal and Energy Research Center  
 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	4
2. Peer reviewed publications by MTC faculty	50	54
3. Research grants obtained by MTC faculty	2	2
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 18, seminar speakers included:

- Dr. Richard Axelbaum, Professor of Energy, Environmental, and Chemical Engineering, Washington University. Seminar entitled, "Aerosol Synthesis of Nanostructured Materials: Matching the Method to the Application," on September 5, 2017.
- Dr. Michael Shaw, Professor of Chemistry, Southern Illinois University Edwardsville. Seminar entitled, "Consequences of Reduction of [Ru(NO)(porphyrin)Cl] Complexes in THF," on September 15, 2017. Co-sponsored with the Department of Chemistry and Biochemistry at SIUC.
- Dr. Omowunmi Sadik, Professor of Chemistry and Director, Center for Advanced Sensors and Environmental Systems at Binghamton University. Seminar entitled, "Directional Templating of Anisotropic Nanoparticles Using Poly (pyromellitic dianhydride-p-phenylene diamine)," on October 19, 2017. Co-sponsored with Sigma Chi.
- Dr. Michael Pugia, Research Fellow and Director, Single Cell Analytics Center, Indiana Biosciences Research Institute. Seminar entitled, "Rare Cell Analyzer for the Next Generation Diagnostics Platform," on March 2, 2018. Co-sponsored with the Department of Chemistry and Biochemistry at SIUC.

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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 FY18, 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. They also organized a knowledge session for kids at Carbondale Science Center with fun Chemistry experiments, such as liquid nitrogen-based freezing, to engage young minds. The students of the MRS chapter also planned future events for the next FY19, including a visit to the Toyota plant in Princeton, IN and a visit to Argonne National Laboratory (ANL).

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During Summer 2017, 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 15 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).

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During FY18, as part of Chancellor Carlo Montemagno's goal to increase industrially funded Materials research at SIU, held a series of meetings with SIU and Research Park staff, and Materials faculty:

- Met with Kyle Harfst and Lynn Andersen Lindberg at Dunn Richmond on October 24 and November 20, 2017 to discuss companies involved in Materials research within the State of Illinois.
- Met with Materials faculty (MTC members) on January 19, 2018 to discuss my experience collaborating with industry.
- Met with Kristen Kordecki and Jeff Germain in Kaplan Hall on February 2, 2018 to discuss how to collaborate with the SIU Foundation to identify SIU alumni working in industry that might have influential positions related to Materials R&D.
- Met with local IMEC staff in Dunn Richmond on February 19, 2019 and subsequently gave a presentation on Materials research at SIUC to statewide IMEC staff on March 22, 2018.
- Met with Michelle Chitambar from the OVCR on May 10, 2018 to discuss her possible contacts to industrial Materials researchers in the State of Illinois.

These discussions continued into the next FY19.

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During FY18, as part of Chancellor Carlo Montemagno's reorganization plan, attended a series of meetings SIU administrators, Chemistry, and Mechanical Engineering faculty. These meetings involved the discussion of new homes for existing programs (Chemistry, Mechanical Engineering), as well as introduction of new programs (Chemical Engineering, Materials Science and Engineering):

- Met with SIU Provost and Chemistry faculty on January 17, 2018.
- Met with SIU Provost and Chemistry faculty on January 26, 2018.
- Met with SIU Associate Provost and Mechanical Engineering faculty on April 30, 2018.
- Met with SIU Provost and Chemistry faculty on May 18, 2018.

Discussions to start new curricula (Chemical Engineering, Materials Science and Engineering) continue. The MTC Director has a background in both areas, and expects to continue these discussions during FY 19, and subsequent years.

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During Fall 2017, the MTC Director served on the OVCR Steering Committee to Identify Signature Research Programs at SIUC. During Fall 2017, the MTC Director served on the OCVR Industry Partner Council for Research and Development at SIUC.

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Throughout the fiscal 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. During FY18, the Director continued

our series of semi-formal meetings on two vital topics within Materials research, Energy Materials and Biointerfaces. This involved meetings with interested faculty and detailed exchange of recent articles, particularly review articles, within sub-fields of Energy Materials and Biointerfaces. Some examples of the articles that we exchanged and discussed include:

- H. Gu *et al*, "Conjugation in *Escherichia coli* biofilms on poly(dimethylsiloxane) surfaces with microtopographic patterns," *Langmuir* **33**, 3142 (2017).
- J. Piella *et al*, "Size-dependent protein–nanoparticle interactions in citrate-stabilized gold nanoparticles: The emergence of the protein corona," *Bioconjugate Chem.* **28**, 88 (2017).
- H. Rammal *et al*, "Bioinspired nanofeatured substrates: Suitable environment for bone regeneration," *ACS Appl. Mater. Interfaces* **9**, 12791 (2017).
- R. Karthik *et al*, "Synthesis of cobalt doped ZnO/reduced graphene oxide nanorods as active material for heavy metal ions sensor and antibacterial activity," *J. Alloys Compounds* **715**, 254 (2017).
- A. Azhari *et al*, "Binder-jet powder-bed additive manufacturing (3D printing) of thick graphene-based electrodes," *Carbon* **119**, 257 (2017).

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On Monday, May 8 2018, the Director made a presentation on Electrochemistry to the AP Chemistry class at Carterville High School (CHS), following an invitation by Jenni Gibbs, who teaches this course at CHS.

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### 11.3 Evidence of Support for Illinois Public Agenda, SIU Board of Trustees, and SIU 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 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 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	
12.2	Decision at Last Review	<input checked="" type="checkbox"/> XX	Center/Institute in Good Standing
		<input type="checkbox"/>	Center/Institute Flagged for Priority Review
		<input type="checkbox"/>	Center/Institute Suspended
12.3	Explanation	Not applicable	

**RESOURCES: Materials Technology Center**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	75486	75486	88725	88725	49037
Income Fund	23431				
Grants & Contracts	3731	17193			
VCR New Faculty Startup					150000
COS New Faculty Startup				100000	
Activities Account					
Total Revenues	96897	92679	88725	188725	199037
Expenditures*					
Salaries	75486	75486	75486	75486	37002
Other than salary	22480	17193	13239	113239	162035
xxx					
xxx					
xxx					
xxx					
Total Expenditures	75486	92679	88725	188725	199037
Revenue Minus Expenditures		0	0	0	0

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>SIUC</u>	
2.	Center/Institute	<u>Meyers Institute</u>	
3.	Date	<u>04-30-2019</u>	
4.	Director	<u>Yuqing Hou</u>	
4.1	Telephone	<u>618-453-5174</u>	
4.2	E-mail	<u>houyq@siu.edu</u>	
5.	Year Established	<u>2000</u>	
6.	Illinois State Statute (if pertinent)	<u>(if created by Illinois state statute, list the specific statute by number and title; otherwise, list N/A)</u>	
7.	Reporting Unit	<u>(list the college, school, or administrative unit in which this center/institute exists)</u>	
8.	Type	Activity (check all that apply)	
	Instructional	<table border="1"><tr><td>Yes</td></tr></table>	Yes
Yes			
	Research	<table border="1"><tr><td>Yes</td></tr></table>	Yes
Yes			
	Public Service	<table border="1"><tr><td></td></tr></table>	

\* 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 Meyers Institute for Interdisciplinary Research in Organic and Medicinal Chemistry was initiated by late Distinguished Professor Cal Y. Meyers through a \$3 million endowment to SIU foundation in 2000. Cal Y. Meyers served as the first director of the institute until his death in 2012. The institute currently is managed by Dr. Yuqing Hou. Professor Meyers firmly believed that basic research leads to new applications and broad-field publications. Students with exposure to a variety of interdisciplinary research activities are prime candidates for positions in the scientific, medical and commercial sectors.

The institute has provided assistantships, postdoctoral fellowships, and undergraduate stipend during the past years. The students get their degrees in chemistry. Currently, the institute supports two graduate students, who are working on their advanced degrees.

The Institute is located in the Neckers Building, which houses the Department of Chemistry and Biochemistry.

### 9.2 Mission

The institute carries out basic research in organic chemistry, medicinal chemistry and related interdisciplinary fields. The institute aims to provide education opportunities for undergraduate, graduate, and postdoctoral students in these fields.

### 9.3 Objectives

The current objectives of the institute are:  
Holding biannual symposium to promote SIUC and research  
Teaching and supporting students in the institute  
Recruiting more students  
Seeking external funding  
Providing instructional service to the Department of Chemistry and Biochemistry when needed  
Carrying out research activities  
Communicating results to scientific communities

## 10. Advisory Board

### 10.1 Advisory Board - Membership

Dr. Chuck Rawlings  
Professor Rob Schwartz  
Ms. Gayla Borgognoni

10.2 Number of Meetings (In This Year) None

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Initiate new research projects	3	3
2.	Teach courses in Chemistry	1	1
3.	Filing a provisional patent application	1	2
4.	Recruiting graduate students	1	0
5.	Publications/conferences	2	3

\* 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)

Dr. Yuqing Hou taught Chem 549 in the Department of Chemistry and Biochemistry. Lihong Gao, a PhD student, has been working on organic frameworks and the research and catalysis. Jack Pertile, an MS student was wrapping up his research. Collaboration with Dr. Boys Goodson in the Chemistry Department produced a scientific publication and we submitted a grant proposal to NSF.

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

Dr. Yuqing Hou also volunteered as the Illinois Junior Science Fair judge. He is also a stroke and turn judge of USA Swimming.

### 11.4 Evidence of Support for Center/Institute Objectives

The institute has contributed to the Department of Chemistry and Biochemistry by teaching chemistry courses. Dr. Yuqing Hou also serves on several graduate students' committees, helping and guiding the students, writing cumulative exams. The Institute provided financial support for the graduate students carrying out research in the institute. We have continued collaborative research with Dr. Goodson and Dr. Du in the Department of Chemistry and Biochemistry.

### 11.5 Evidence of Organizational Effectiveness

The institute has been managed by Dr. Yuqing Hou since Dr. Meyers's death. We have graduate students doing research with us, and we also contribute to the Department of Chemistry and Biochemistry. He also manages the account/PCard, and purchases chemicals.

## 12. Institutional Assessment

12.1 Date of Last Review (list the year of the last program review)



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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)	

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**RESOURCES: Meyers Institute**

Revenues	FY2018	FY2017	FY2016	FY2015	FY2014
State Appropriations	0	0	0	0	
Income Fund	120000.00	120000.00	120000.00	75000	
Grants & Contracts	0	0	0	0	
Previous year balance	49000.00	70000.00	70738.27	92642.67	
xxx					
xxx					
Total Revenues	169000.00	190000.00	190738.27	92642.67	
Expenditures*					
Fringe benefits	32000.00	32000.00	32000.00	30596.64	
Contractual service	1000.00	1000.00	1000.00	1034.50	
Salaries	100500.00	100500.00	100500.00	59304.96	
Commodities	7500.00	7500.00	7500.00	5756.49	
Equipment	0	0	0	211.51	
xxx					
Total Expenditures					
	141,000.00	141,000.00	141,000.00	96904.40	
Revenue Minus Expenditures					
Revenues	28000.00	49000.00	49738.27	70738.27	

\* 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					
Staff	1	1	1	1	
Total Staffing	1	1	1	1	

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University School of Medicine</u>	
2.	Center/Institute	<u>Neuroscience Institute (NSI)</u>	
3.	Date	<u>11/19/18</u>	
4.	Director	<u>James M. Gilchrist, M.D.</u>	
4.1	Telephone	<u>217-545-7226</u>	
4.2	E-mail	<u>jgilchrist@siumed.edu</u>	
5.	Year Established	<u>Academic Year 2015</u>	
6.	Illinois State Statute (if pertinent)	<u>N/A</u>	
7.	Reporting Unit	<u>Southern Illinois University School of Medicine</u>	
8.	Type	Activity (check all that apply)	
	Instructional	<table border="1" style="display: inline-table;"><tr><td style="text-align: center;">X</td></tr></table>	X
X			
	Research	<table border="1" style="display: inline-table;"><tr><td style="text-align: center;">X</td></tr></table>	X
X			
	Public Service	<table border="1" style="display: inline-table;"><tr><td style="text-align: center;">X</td></tr></table>	X
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 being developed as 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 from 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 and centralizes 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 under development include patient-oriented outcomes (i.e., functional status) and decreased hospital readmission rates through improved care coordination.
- **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.

- 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 FY2018 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
- Wendy Cox-Largent, Associate Provost for Finance and Administration, SIU School of Medicine
- Nelson Weichold, COO/CFO and Executive Director of Clinical Operations and Finance, SIU Medicine
- 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
- Les Jebson, Assistant to the Chair of Surgery, SIU School of Medicine

10.2 Number of Meetings (In This Year) 5 - Steering Committee

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure <sup>1</sup>	Target for Year	Results for Year
1. Patient Encounters – Number <sup>2</sup>	42,500	49,419
2. Total Patients Served – Unduplicated Count	12,500	12,856
3. New Patients Served – Unduplicated Count	2,400	3,195

\* 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.
2. Patient Encounters-Number is lower in FY2017 when compared to previous years because of differences in reporting.

### 11.2 Major Accomplishments (In This Year)

The SIU Neuroscience Institute continued to mature during FY2018 by restoring CADRD funding for Alzheimer's patient care, research and community outreach, successfully acquiring two RO1 NIH grants totaling > \$6,000,000 over 5 years, continued integration of Behavioral Health services in the region, maturing the institute's internal operational and financial framework, completing facilities renovations to consolidate of Neurology and Neurosurgery clinics, enable multidisciplinary clinics and improve 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
- Initiated discussions with VIBRA hospital (local long term care hospital) to implement a neuro-transitional care program
- Initiated discussions re: starting 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
- Initiated discussions with Southern Illinois Healthcare (SIH) re: SIU Neurology providing intraoperative monitoring (IOM) for patients with spinal cord surgery AND tele-neurology services
- Completed 3 new Faculty recruitments
- Completed Neurology clinic move from Carol Jo Vecchie to MOY to integrate clinical and operational resources into the NSI
- In conjunction with Memorial Medical Centers, received certification as a Level 3 Comprehensive Epilepsy Program from the National Association of Epilepsy Centers.

#### Psychiatry:

- Began integrated clinics at SIU pediatrics, family medicine and Memorial Behavioral Health
- Integrated SIU Med/Psych. Division into the SIU Dept. of Psychiatry
- Integrated Memorial Health systems Passavant Hospital (Jacksonville) psychiatrists in SIU Dept. of Psychiatry

- Initiated planning with St. Mary's Hospital (SMH) leadership to integrate the SIU Child Psychiatry Fellowship Program at SMH
- Completed 3 new Faculty recruitments
- Expanded telepsychiatry to the Illinois Department of Corrections, the Macon County Jail (Decatur), Lawrence County Community Hospital and the Mason District Hospital
- Initiated planning to expand telepsychiatry to Crossings Healthcare (Decatur)
- Serve as Behavioral Health Medical Director for the Illinois Department of Health and Family Services (HFS)
- Started 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
- Consolidated SIU Psychiatry's Community Support Network (CSN) with Memorial Behavioral Health's Community Support Team (CST) to maximize community resources
- Completed move of Psychiatry's adult/child services and faculty/administrative offices into improved facilities at Centrum

Neurosurgery:

- Continued building Neurosurgery's Residency Program by recruiting another resident in 2018

Neuroscience Institute (NSI):

- Initiated planning multidisciplinary clinics for epilepsy, movement disorders, spine and memory disorders
- Completed construction/renovation in MOY building to integrate neurosurgery and neurology clinics into a single location
- Completed Integration of neurosurgery and neurology clinics into new NSI space
- Completed integration of NSI operational and business operations
- Developed marketing plan to include marketing materials, beginning public information forums and spotlighting new programs/certifications (e.g., Level III Epilepsy Unit, Comprehensive Stroke Unit, etc.)
- Initiated NSI donor recognition program with Chairs and Division chief sending monthly acknowledgment to new donors

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 when housed in one location will provide that innovative, streamlined approach to health care through the consolidation of clinical and research services related to diseases of the nervous system. This will improve 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 will advance 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 will address and enhance the major strategic priorities within the SIU School of Medicine strategic plan, including strategies associated with the following: 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 in the local area. The institute will also provide learning opportunities for medical students, physician assistant students, graduate science students, and clinical residents and fellows as pertains to the neurosciences. This improves the state's workforce of these important professionals while it enhances 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 FY2018, 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 was 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, construction was completed bringing together Neurology and Neurosurgery into one physical location and Psychiatry was consolidated bringing both adult and child services into a single location thereby integrating the NSI in two locations within a few blocks of one another. Marketing and public relations plans were also devised and began implementation.



#### 11.5 Evidence of Organizational Effectiveness

The SIU Neuroscience Institute is justified by the immense burdens for the patients, their families, and society associated with neurological and mental health disorders as well as the potential for developing a truly unique, high-quality, academic medical center-based neurosciences patient care program for Springfield and the region. The aim of the NSI is to facilitate more favorable patient experiences, better patient outcomes, lower costs of patient care, and enhanced value to patients and the communities of central and southern Illinois, particularly in the Springfield area. The community supports the NSI's mission and vision for patient care. This is expected to continue as the NSI develops.

#### 12. Institutional Assessment

12.1	Date of Last Review	<u>N/A (new institute first approved in April 2015)</u>	
12.2	Decision at Last Review	<u>N/A</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: Neuroscience Institute**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015<sup>1</sup></b>	<b>FY2014</b>
Revenues					Note 1
State Appropriations	\$xx	\$0	\$0	\$0	
Income Fund	Xx	0	0	0	
Grants & Contracts	Xx	0	0	0	
Patient Care Revenues	6,371,042	6,156,008	6,465,387	1,606,655	
Non-Patient Care Revenues <sup>2</sup>	839,266	833,601	721,894	264,273	
Ancillary Revenue <sup>2</sup>	604,410	484,453	436,988	101,915	
Accumulated Balance <sup>3</sup>	525,875	395,620	227,138	0	
Total Revenues	\$8,340,593	\$7,869,682	\$7,851,407	\$1,972,843	
Expenditures <sup>4</sup>					Note 1
Department Overhead	\$1,148,631	\$1,219,579	\$1,218,574	\$278,983	
Space Costs	1,173,353	1,022,811	946,305	274,465	
Malpractice Insurance	691,615	615,455	604,616	186,071	
Other Direct Expenses	226,755	135,541	122,920	24,937	
Academic Support Expenses	872,767	853,583	904,495	233,743	
Provider Compensation	2,724,408	2,643,180	2,592,356	504,621	
SIU MED Overhead	998,485	1,008,793	1,048,736	217,062	
Ancillary Expenses	504,579	370,740	413,405	101,688	
Total Expenditures	\$8,340,593	\$7,869,682	\$7,851,407	\$1,821,570	
Revenue Minus Expenditures	\$0	\$0	\$0	\$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. 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. In FY2017, the continued and growing delay between charges submitted for employees of the State of Illinois and their corresponding health plans and the time of actual receipt of payment for those services is the major contributing factor to the deficit incurred by the SIU Neuroscience Institute. A slowdown in Medicaid reimbursement was also a factor in the deficit.
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.

<b>Staffing (Full Time Equivalent)<sup>2,3</sup></b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015<sup>1</sup></b>	<b>FY2014</b>
Faculty	37	26.00	30.30	30.40	Note 1
Staff	74	65.00	79.60	97.50	
<b>Total Staffing</b>	<b>111</b>	<b>91.00</b>	<b>109.90</b>	<b>127.90</b>	<b>Note 1</b>

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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>Paul Simon Public Policy Institute (PSPPI)</u>
3.	Date	<u>4/29/2019</u>
4.	Director	<u>John Shaw</u>
4.1	Telephone	<u>618-453-4003</u>
4.2	E-mail	<u><a href="mailto:john.shaw@siu.edu">john.shaw@siu.edu</a></u>
5.	Year Established	<u>Approved 1996, opened 1997</u>
6.	Illinois State Statute (if pertinent)	<u>(N/A)</u>
7.	Reporting Unit	<u>Provost &amp; Vice Chancellor for Academic Affairs</u>
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 Statesmanship.
- Conducting nationally known public opinion polls (Simon Poll™ and The Southern Illinois Poll™) to inform decision makers and citizens.
- Analyzing public policy through academic papers, 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:

Nancy Chen (member at-large)  
Ross Glickman (State Democratic Party appointment)  
Brennan Knop (Simon family)  
John Dunn (*ex officio* member, SIU Carbondale Interim Chancellor)  
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)

\*Mike Lawrence retired from the board in May 2018. \*Carlo Montemagno passed away October 2018. \*Jim Salmo left the SIU in December 2018.

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 <sup>TM</sup>	2	2 Polls Conducted
2.	The Simon Review (Published Papers)		2 papers
3.	Public Events		7 events
4.	Internships Filled	6	6 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 seven events in a wide variety of topics that were free and open to the public.
- We completed our 20<sup>th</sup> anniversary celebration with a lecture by U.S. Dick Durbin.
- We also hosted two Morton-Kenney Public Affairs Lecture Series speakers, Dr. Katherine Cramer and Dr. Marie Griffith, both highly regarded experts in their fields of political and policy research.
- We hosted two “Pizza and Politics” events with Illinois Comptroller Susana Mendoza and Illinois Rep. Dave Severin.
- NY Times correspondent Carl Hulse entertained an audience with his stories about current political times.
- Conducted 2 statewide Simon Polls™ (fall & 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 six interns in Springfield for the spring 2018 legislative session, plus had two interns serving in local Carbondale offices and a social work intern within the Institute.
- We completed our search for the Institute’s new director in November 2018 with the hiring of John Shaw. He began as institute director in January 2018.
- We continued successful fundraising efforts to fully endow the Jeanne Hurley Simon Memorial Scholarship and the Barbara Brown Memorial Scholarship, plus awarded both of these scholarships 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.

The statewide polls we conduct inform 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 in making Illinois competitive in an increasingly interdependent global economy.

Education brings light to the political process and operation of government. In the absences 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 from 60-75 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, Zimbabwe, Fiji, Germany and France. There have been over 30,000 downloads of these papers by users from the 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 out 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 two conferences for area K-12 educators on civic engagement and best practices on teaching methods in their fields.

Our supporters donated over \$5,000 for SIU's second annual Day of Giving.

#### 12. Institutional Assessment

12.1	Date of Last Review	<u>FY17</u>						
12.2	Decision at Last Review	<table><tr><td><u>x</u></td><td>Center/Institute in Good Standing</td></tr><tr><td><u>          </u></td><td>Center/Institute Flagged for Priority Review</td></tr><tr><td><u>          </u></td><td>Center/Institute Suspended</td></tr></table>	<u>x</u>	Center/Institute in Good Standing	<u>          </u>	Center/Institute Flagged for Priority Review	<u>          </u>	Center/Institute Suspended
<u>x</u>	Center/Institute in Good Standing							
<u>          </u>	Center/Institute Flagged for Priority Review							
<u>          </u>	Center/Institute Suspended							
12.3	Explanation	<p>(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)</p> <p><u>NA</u></p>						

**RESOURCES: Paul Simon Public Policy Institute**

- See attached sheet for FY17 and past fiscal years.

<b>Financial Resources Revenues</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
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.

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	1				
Staff	3.75				
*We have two half-time graduate assistant to make 1.0. No extra help or civil service.					
Total Staffing	5.75				

FINANCIAL RESOURCES						
REVENUES	FY2017**	FY2016	FY2015	FY2014	FY2013	FY2012
State Appropriations (Original)	496,427.13	550,795.13	561,141.76	496,087.04	544,467.59	561,461.86
Budget Reduction	304,928.55	37,524.39	29,291.76	0.00	0.00	0.00
Budget Increase	0.00	0.00	0.00	60,872.72	22,065.27	23,707.53
Ending Budget	191,498.58	486,767.74	531,850.00	556,959.76	566,532.86	585,169.39
Income Fund						
Grants & Contracts						
Endowment Accounts - SIUF		814,707.35	675,577.74	846,028.14	801,589.99	448,173.08
Overheard Recovery - 202125						
TOTAL REVENUES	992,854.26	1,889,794.61	1,797,861.26	1,959,947.66	1,934,655.71	1,618,511.86

EXPENDITURES	FY2017	FY2016	FY2015	FY2014	FY2013	FY2012
1120 Salaries - Regular Positions	379,335.63	430,208.95	442,399.36	455,028.04	472,358.86	473,599.95
1120 Salaries - Graduate Assistants	2,553.99	2,193.79	12,136.41	20,118.48	9,193.56	8,556.00
1120 Salaries - Undergraduate Assistants	8,749.70	0.00	0.00	0.00	0.00	4,670.75
1120 Salaries - Fac AP Vacation Payout	0.00	0.00	0.00	0.00	1,804.02	10,784.22
1120 Salaries - Fac AP Sick Payout	0.00	0.00	0.00	0.00	0.00	5,333.13
1120 Salaries - Prior Year Salary Refund	0.00	0.00	0.00	0.00	0.00	(539.10)
4279 Employee Cont for Group Ins	0.00	0.00	0.00	0.00	0.00	0.00
4249 Wages Regular	1,431.77	15,035.31	18,066.88	16,113.47	19,850.99	21,911.31
4399 Travel	0.00	936.30	975.95	5,353.78	4,514.43	4,108.55
4499 Equipment	0.00	110.51	0.00	148.11	0.00	0.00
4699 Commodities	2,232.75	4,360.59	5,975.11	7,179.96	10,295.28	5,264.14
4899 Contractual Services	14,725.49	31,004.97	42,806.43	47,764.67	42,419.32	43,160.88
5099 Awards & Grants	0.00	0.00	320.84	257.89	107.50	172.00
5199 Op of Automotive	784.88	905.53	1,432.73	1,800.48	1,318.89	3,265.50
5399 Telecommunications	3,783.51	3,160.35	3,409.92	2,223.32	4,402.95	4,597.29
Fringe Benefits	0.00	0.00	0.00	0.00	0.00	0.00
Facilities & Administrative Costs	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL EXPENDITURES ****	413,597.72	487,916.30	527,523.63	555,988.20	566,265.80	584,884.62

REVENUE MINUS EXPENDITURES	579,256.54	1,401,878.31	1,270,337.63	1,403,959.46	1,368,389.91	1,033,627.24
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\* Categorize expenditures in easily understood categories (e.g., salaries, Graduate Assistant support). Add additional rows as necessary.

\*\* Unit change Unit 21181 (Reporting to Provost) to Unit 25150 (Reporting to Chancellor) - Salaries centralized under Chancellor's Office - vacant lines swept monthly causing decreases and/or increases to salaries budget.

\*\*\* Salaries centralized under Chancellor's Office - vacant lines swept monthly causing decreases and/or increases to salaries budget. Figures as of April 2, 2018

\*\*\*\* PLEASE NOTE THAT THE TOTAL EXPENDITURES **DO NOT** INCLUDE ENDOWMENT EXPENDITURES.

STAFFING (Full Time Equivalent)	FY2017	FY2016	FY2015	FY2014	FY2013	FY2012
Administrative Professional Staff	5.4000	4.7500	4.7500	5.0000	4.0000	5.0000
Civil Service Staff	0.0000	0.0000	0.5000	0.5000	0.5000	0.5000
Faculty Staff	1.0073	1.3700	1.5625	0.7700	1.0073	1.0073
Extra Help Staff	0.0000	0.0000	0.7000	0.0000	1.8660	2.3136
Graduate Assistants	1.0000	1.0000	1.5000	2.0000	0.5000	2.2500
Undergraduate Assistants	1.2500	1.3750	0.5000	0.0000	0.0000	0.3750
TOTAL STAFFING	8.6573	8.4950	9.5125	8.2700	7.8733	11.4459

FY	UNIT	BP	BP DESCRIPTION	OBJECT GROUP	ORIGINAL BUDGET	CURRENT BUDGET	Y-T-D EXPENDITURES
					<b>JUNE 30, 2011 CASH BALANCE</b>		<b>5,471.08</b>
12	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4099 Other Than Salaries - Account Pool	2,000.00	5,130.40	0.00
12	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4499 Equipment	0.00	0.00	5,130.40
					<b>JUNE 30, 2012 CASH BALANCE</b>		<b>340.68</b>
13	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	3799 Facilities and Administration	0.00	0.00	(24.77)
					<b>JUNE 30, 2013 CASH BALANCE</b>		<b>365.45</b>
14	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	3799 Facilities and Administration	0.00	0.00	(1,638.02)
					<b>JUNE 30, 2014 CASH BALANCE</b>		<b>2,003.47</b>
15	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	3799 Facilities and Administration	0.00	0.00	(233.24)
					<b>JUNE 30, 2015 CASH BALANCE</b>		<b>2,236.71</b>
16	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	3799 Facilities and Administration	0.00	0.00	(49.66)
16	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4099 Other Than Salaries - Account Pool	0.00	800.00	0.00
16	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4499 Equipment	0.00	0.00	688.61
16	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4699 Commodities	0.00	0.00	30.00
16	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	4899 Contractual Services	0.00	0.00	34.41
					<b>JUNE 30, 2016 CASH BALANCE</b>		<b>1,533.35</b>
17	21181	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	3799 Facilities and Administration	0.00	0.00	(1,681.76)
					<b>JUNE 30, 2017 CASH BALANCE</b>		<b>3,215.11</b>
18	25150	202125	PUBLIC POLICY INSTITUTE - OVERHEAD RECOVERY	9999 Non-Mandatory Transfer Out	0.00	0.00	3,215.11

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University School of Medicine</u>								
2.	Center/Institute	<u>Simmons Cancer Institute (SCI)</u>								
3.	Date	<u>November 20, 2018</u>								
4.	Director	<u>Aziz Khan, M.D.</u>								
4.1	Telephone	<u>217-545-7969</u>								
4.2	E-mail	<u>akhan@siumed.edu</u>								
5.	Year Established	<u>Academic Year 2000</u>								
6.	Illinois State Statute (if pertinent)	<u>N/A</u>								
7.	Reporting Unit	<u>Southern Illinois University School of Medicine</u>								
8.	Type	<table><thead><tr><th colspan="2">Activity (check all that apply)</th></tr></thead><tbody><tr><td>Instructional</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Research</td><td><input checked="" type="checkbox"/></td></tr><tr><td>Public Service</td><td><input checked="" type="checkbox"/></td></tr></tbody></table>	Activity (check all that apply)		Instructional	<input checked="" type="checkbox"/>	Research	<input checked="" type="checkbox"/>	Public Service	<input checked="" type="checkbox"/>
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 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.

### 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 FY2018 (meetings are held monthly)

SCI Management Committee – twenty-four (24) meetings in FY2018 (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	22,267
2.	Total New Patients Served by SCI – Total New Patients Seen	2,719	3,785
3.	Total Infusion Patients Treated by SCI		
4.	Clinical Trial Studies – Open Studies (NCORP Studies and SCI Clinical Trials)	125	117
5.	Clinical Trial Participation – NCORP studies and SCI Clinical Trials)	164	153
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	2,414	2,508
9.	Outreach Programs/Screenings – Attendees	2,515	2,606

\* 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 FY2018, major accomplishments of the Simmons Cancer Institute included the following:</p> <ul style="list-style-type: none"> <li>• In FY 18 SCI began work on switching infusion drug vendors. This decision was made to allow SCI to have real time analytics, on-going business coaching and an increase amount of quarterly Chemotherapy education.</li> <li>• Contracting began to bring a physician dispensing Oral Chemotherapy business to SCI for all SIU physicians.</li> <li>• Construction of a new infusion reception area, with port room has begun. 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.</li> <li>• Construction of the new Oral Chemotherapy space began, this construction project is being funded through Foundation support.</li> <li>• SCI held its first combined Summer Internship Presentation and Donor Appreciation event. Donors who contribute to Denim &amp; Diamonds, fund the paid summer internships for five 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.</li> <li>• The Melanoma Tumor Board was moved to SCI. And a multidisciplinary melanoma clinic began with Plastic Surgery, Dermatology and Oncology.</li> <li>• SCI expanded its health fairs/expos to Hillsboro Area Hospital. Skin cancer and head and neck cancer screenings were provided to 75 Montgomery County residents. We also participated in the 9<sup>th</sup> Annual Ladies Brunch and Health Fair at Richland Community College in Decatur, distributing Fit kits as part of our on-going effort to raise awareness regarding colorectal cancer screening.</li> <li>• 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 participated with the Regional Cancer Partnership in prostate screenings, FIT kit distribution and a skin cancer screening.</li> </ul>
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- SCI outreach held its first FB live event, “The ABC’s of HPV Parent Roundtable” featuring physicians from the cancer institute and family medicine. At various points during the event, 600 people streamed it live.

These accomplishments were in addition to ongoing patient care, research, educational, and outreach efforts performed by SCI in FY2018.

#### 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 FY2018, 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.
- SCI awarded five (5) Summer Internships to local college students to work with research mentors.
- One (1) Team Science Grant Awarded.
- Partnered with the SIU Office of Population Science and Policy to further oncology-based population research. Identified two faculty candidates for arrival in FY19.
- 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.
- Partnered with Washington University and Illinois communities to study rural health disparities for oncology patients. Collaboration in place for U54 grant submission Jan 2019.
- 2018 Clinical Trials office expanded services to include multi-center clinical trial management.
- Established Goal of implementation of a Melanoma Clinic and recruitment of Faculty for promotion of melanoma research.

#### 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	<u>2010-2011</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: Simmons Cancer Institute**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations <sup>1</sup>	\$1,965,919	\$2,110,528	\$668,771	\$2,393,798	\$2,504,430
Income Fund	0	0	0	0	0
Grants & Contracts <sup>2</sup>	24,192	13,822	39,384	44,887	16,342
Grants & Contracts– Other <sup>3</sup>	295,427	247,977	123,488	170,044	275,647
Accumulated Balance <sup>4</sup>	0	0	35,155	38,499	153,702
Transfers from SOM <sup>5</sup>	0	0	1,445,105	0	0
<b>Total Revenues</b>	<b>2,285,538</b>	<b>\$2,372,327</b>	<b>\$2,311,903</b>	<b>\$2,647,228</b>	<b>\$2,950,121</b>
Expenditures					
Salaries	\$1,555,044	\$1,651,033	1,696,941	\$2,096,557	\$2,220,555
Travel	1,004	2,773	6,708	17,734	9,586
Equipment	23,658	15,881	26,557	64,520	91,220
Commodities	12,730	76,098	94,404	93,581	59,114
Contractual Services <sup>6</sup>	354,289	365,055	400,246	328,661	524,510
Telecommunications	23,863	32,643	37,430	31,309	29,889
Other <sup>7</sup>	21,573	20,670	49,617	14,866	15,247
<b>Total Expenditures</b>	<b>\$1,992,161</b>	<b>\$2,164,153</b>	<b>\$2,311,903</b>	<b>\$2,647,228</b>	<b>\$2,950,121</b>
Revenue Minus Expenditures	\$293,937	\$208,174	\$0	\$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.
7. Other includes indirect costs from clinical trial expenses.

<b>Staffing (Full Time Equivalent)<sup>1</sup></b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	5.0257	8.09	9.12	12.78	9.36
Staff	50	11.53	12.11	13.90	15.25
<b>Total Staffing</b>	<b>55.0257</b>	<b>19.62</b>	<b>21.23</b>	<b>26.68</b>	<b>24.61</b>

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, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Carbondale</u>
2.	Center/Institute	<u>WSIU Public Broadcasting</u>
3.	Date	<u>May 3, 2019</u>
4.	Director	<u>Greg Petrowich</u>
4.1	Telephone	<u>618.453.6181</u>
4.2	E-mail	<u><a href="mailto:greg.petrowich@wsiu.org">greg.petrowich@wsiu.org</a></u>
5.	Year Established	<u>(Academic Year established as recognized by the SIU President, - 1958)</u>
6.	Illinois State Statute (if pertinent)	<u>NA</u>
7.	Reporting Unit	<u>Office of the Chancellor</u>
8.	Type	Activity (check all that apply)
	Instructional	<input checked="" type="checkbox"/>
	Research	<input 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

Licensed to the Board of Trustees of Southern Illinois University, WSIU Public Broadcasting is an integral part of 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 more than three million people across five states and beyond through three digital television channels, three radio stations, an HD radio channel, 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 nearly 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	100	100
3.	Family Day Attendance at Cedarhurst Mt. Vernon	500	500+
4.	Indie Lens Pop Up Attendees	250	279
5.	Individual Outreach contacts	6000	6000+

\* 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)

Significant coverage of the 2017 Eclipse, including video support for the NASA Megacast seen worldwide. WSIU was a producing partner for the PBS Online Film Festival which featured a work by an SIU film student. WSIU conducted another successful family day event at Cedarhurst in Mt. Vernon. WSIU partnered with other public stations in Illinois to launch the Illinois Newsroom collaborative. WSIU hired a full-time reporter to focus on health and environmental issues.

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

Student Success: Offered students hands-on training and service learning opportunities in all aspects of the media industry resulting in close to 8,000 hours of real-world training; worked with 50+ university and community volunteers who contributed nearly 360 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. Provided significant support for activities surrounding the total solar eclipse 2017.

### 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, Scholastic Hi-Q, alt.news 26:46, Lincoln Academy, Lawmakers, Expressions, Little Egypt Live, and more. Provided service to over 1400 subscribers to SIRIS (Southern Illinois Reading Information Service) for the blind and visually impaired. Maintained and operated two full-power television transmitters and three full-power radio transmitters servicing approximately 3-million people in five states with free over-the-air educational media including local news and information, a full schedule of children's television, and documentary content. Hosted 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 Expressions and the Little Egypt Live series; facilitated educational opportunities for children at local libraries; created investigative partnerships with local journalists.

### 11.5 Evidence of Organizational Effectiveness

WSIU reaches three million people stretching across a five-state region on a variety of platforms including multiple digital television channels and radio stations, interactive web platforms, social media and mobile applications. WSIU operates with approximately half of the full-time staff it operated with 20 years ago (down from 50 to 25). WSIU generates more than \$1-million in outside grant funding and approximately \$1-million in local community support to compliment the \$800,000 in university operating cash support.

## 12. Institutional Assessment

12.1 Date of Last Review 2013-2014

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)
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**RESOURCES: (WSIU Public Broadcasting)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	836,348	888,010	912,265	1,020,584	1,049,004
Operating Grant-CPB	1,137,167	1,177,136	1,146,917	1,165,528	1,154,023
Operating Grant-State of IL	164,710	0	0	204,803	216,300
Project Grants	21,569	20,149	71,652	74,485	39,712
Membership Income	442,140	478,761	603,906	488,807	454,044
Underwriting Income	432,628	501,616	460,543	434,960	535,507
Production Income	39,142	32,993	33,341	36,952	3,587
Tower Income	59,206	59,206	70,932	80,263	78,529
Federal Work Study	26,423	33,441	32,197	34,000	34,982
Direct University Support	441,662	511,571	427,237	504,040	496,475
Indirect/In-Kind SIU Support	995,377	968,697	1,086,659	1,141,589	1,090,101
Other Indirect Support	40,401	43,162	52,044	48,546	55,269
Building & Equip SIU Support	0	45,401	0	0	0
Investment Income	7,770	12,848	(11,549)	16,524	18,657
State Benefit Payments	1,511,307	1,615,649	1,362,695	1,157,647	834,225
Misc Income	3,616	4,368	5,988	1,696	57,743
USDA & PBS Equip Grants	0	0	0	0	177,843
<b>Total Revenues</b>	<b>6,159,466</b>	<b>6,393,008</b>	<b>6,254,827</b>	<b>6,410,424</b>	<b>6,296,001</b>
Expenditures*					
Programming & Production	3,043,989	3,288,246	3,221,443	3,442,673	3,486,080
Broadcasting & Engineering	1,198,769	1,138,840	1,120,595	1,036,661	1,041,621
Program Info & Promotion	317,718	362,766	377,666	421,005	337,583
Fundraising & Membership	337,165	350,559	372,959	375,010	373,391
Underwriting & Grant	150,313	258,359	257,230	246,054	271,477
Management & General	1,079,059	1,048,571	975,673	928,271	783,774
<b>Total Expenditures</b>	<b>6,127,013</b>	<b>6,447,341</b>	<b>6,325,566</b>	<b>6,449,674</b>	<b>6,293,926</b>
<b>Revenue Minus Expenditures</b>	<b>32,453</b>	<b>(54,333)</b>	<b>( 70,739)</b>	<b>(39,250)</b>	<b>2,075</b>

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty-Full Time	1.5	1.5	1.5	1.5	1.5
Staff-Full Time	22	26	26	30	30
Student Employees-FTE	11.33	13.96	12.65	10.32	14
<b>Total Staffing-FTE</b>	<b>34.83</b>	<b>41.46</b>	<b>40.15</b>	<b>41.82</b>	<b>45.50</b>
<b>Student Employees Number/Yr</b>	<b>55</b>	<b>76</b>	<b>97</b>	<b>96</b>	<b>112</b>

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Edwardsville</u>
2.	Center/Institute	<u>Center for STEM Research, Education, &amp; Outreach</u>
3.	Date	<u>April 29, 2019</u>
4.	Director	<u>Sharon Locke</u>
4.1	Telephone	<u>618-650-3452</u>
4.2	E-mail	<u>slocke@siue.edu</u>
5.	Year Established	<u>2012 (received temporary approval from IBHE); September 19, 2017 (received permanent approval from IBHE)</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>Graduate Studies and Research</u>
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 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 2018

#### Internal Advisory Group:

Connie Barber, Assistant Professor, Computer Management and Information Systems  
Lynn Bartels, Professor, Department of Psychology & Faculty Development Director  
Janet Holt, Executive Director, Illinois Education Research Council  
Kelly Jo Karnes, Director, Kimmel Student Involvement Center  
Jessica Krim, Interim Assistant Dean & Associate Professor, SEHNB  
Gary Mayer, Associate Professor, Computer Science  
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

Gary Nieber, Executive Director, Edwardsville YMCA

Stephanie Spann, Structural Engineer, David Mason and Associates

Marvin Warner, Director of School Improvement Services, Madison County ROE

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

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	7
2.	Submit peer-reviewed articles for publication	2	2
3.	Present findings at conferences	14	14
4.	Issue RFP and award Faculty Fellow(s) in undergraduate education	1	2
5.	Promote use of lending library	790 direct impact	827 direct impact
6.	Offer educator professional development	5 sessions	12 sessions
7.	Develop new contracts with relevant partners	2 contracts	3 contracts
8.	Coordinate STEM community outreach activities	25 outreach events	29 outreach events
9.	Provide teaching expertise through course delivery for SIUE units	6 credit hours	23 credit hours representing 10 course sections
10.	Disseminate STEM Center activities and achievements through press releases	15	23

\* 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 relocated into our new facilities in Science Building East. With this move, we now have teaching and learning spaces designed for the STEM Center. This includes a new STEM Resource Center, STEM Teaching and Learning Classroom, and the STEM Innovations and Wet laboratories. These spaces provide us with novel ways to offer innovative instruction in STEM education, while conducting research. The new STEM Teaching and Learning Classroom has

already attracted chemistry teachers who use this space to hold their professional learning community.

The STEM Center hosted the Science and Engineering Research Challenge in March of 2018. 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 has 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 FY18 the STEM Center launched The STEM Meets Humanities program. In partnership with the Mannie Jackson Center for Humanities, this program is designed to help young learners discover ways to solve the world's social problems through humanities and STEM thinking. Through this initiative we reached hundreds of student throughout southwestern Illinois. The STEM Center's Urban Gardening Program, a component of STEM Meets Humanities, was particularly successful this year. In conjunction with the Madison County Housing Authority, girls took several field trips to the Watershed Nature Center to discover more about the outdoors. Additionally, they learned how to grow their own food and several planted raised gardens in their own communities in the spring. These gardens produced food for the girls throughout the summer. Another program under our STEM Meets Humanities initiative, Math Games, also had great results this year with the Alton team, directed by the STEM Center, winning first place at the national tournament. We also launched a robotics program with this initiative.

The STEM Center completed the first year of our Research Experiences for Undergraduates, funded by the National Science Foundation, and successfully recruited and began the implementation of the second year of programming.

STEM Center Faculty Fellow, Dr. Chaya Gopalan, submitted and received a National Science Foundation Improving Undergraduate STEM Education (IUSE) award for her work on flipped instruction in collaboration with the STEM Center.

The STEM Center was one of two SIUE units piloting digital badges through the Acclaim badging platform. Our badge series recognizes SIUE student achievements in Community Engagement in STEM. We issued 44 digital badges to students who completed community outreach and demonstrated proficiency according to research-based rubrics.

In partnership with Watershed Nature Center through a Meridian Society Grant, we helped initiate local citizen science programs that have continued into FY19.

### 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. Financial support through scholarships and internships 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 and undergraduate 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.

- (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 FY18 we partnered with 12 SIUE departments/units, as well as 4 external organizations, for submission of over \$4.2 million in internal and external proposals.

<b>Internal Proposals</b>		
Excellence in Undergraduate Education	Chemistry, Physics, Environmental Sciences, Biological Sciences, & Mechanical Engineering	\$9,926
Research Equipment & Tools	Art Therapy (lead), Social Work	\$15,335
Chancellor's Innovation Grant		\$56,279
Meridian Society - DANCES		\$2,702
<i>Internal total</i>		<i>\$84,242</i>
<b>External Proposals</b>		

Swarovski Foundation (subaward) (PI)	Lewis & Clark Community College and National Great Rivers Research and Education Center	\$4,258
NSF Innovative Technology Experiences for Students and Teachers (ITEST) (PI)	Environmental Sciences, Geography	\$973,260
NSF Noyce Capacity Building (subaward) (PI)	St. Anselm College	\$6,003
NIH Science Education Partnership Award (PI)	Environmental Sciences, Mannie Jackson Center, Applied Health	\$1,337,148
Mannie Jackson Center (PI)	IRIS Center and College of Arts and Sciences	\$217,000
NSF S-STEM (Co-PI)	Biology (lead) and Teaching & Learning	\$999,829
NSF IUSE (Co-PI)	Applied Health (lead) and Office of the Provost	\$598,402
Department of Defense Education Activity (DoDEA) (subaward) (PI)	O'Fallon Township High School District #203	\$33,101
<i>External total</i>		<i>\$4,169,001</i>

Objective 2: In FY18 the Resource Center provided materials loans and consulting services that impacted an estimated 1,200 SIUE students and 29,100 K-12 or adult STEM learners.

Objective 3: In FY18 the STEM Center Faculty Fellows Program enabled improvements in undergraduate education at SIUE by testing two innovative approaches to instruction: Dr. Connie Barber of the School of Business investigated gamifying a course as a means to help students stay engaged in learning, and Dr. Sinan Onal of the School of Engineering studied how project-based learning can help students better retain the principles of manufacturing.



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 camps and at community organizations such as the Saint Louis Science Center, Watershed Nature Center, and Volo Bog State Natural Area (near Chicago).

#### 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 decreased in FY18, which may be in part due to our temporary closure from April through May as the STEM Resource Center relocated to our new facilities in Science Building East.

##### **Public Service and Instruction**

The Resource Center reached 1,200 SIUE students and over 29,100 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. We did increase our outreach efforts in FY18, holding or participating in 29 outreach events that reached an estimated 4,279 students, teachers, and parents.

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

##### **Research & Grant Applications**

STEM Center revenue through grants and contracts was \$1,091,063 in FY18, which is 5 times our state appropriation.

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
FY18	10	8	2.7
FY17	6	11	2.2
FY16	21	21	2.5*



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

Financial Resources	FY18	FY17	FY16	FY15	FY14	FY13
Revenues						
State Appropriations	212,239	212,240	213,655	253,000	257,000	255,000
Course Specific Fees	4,775	4,825	5,125	5,000	5,825	5,250
Salary Transfer	0	0	15,225	15,225	25,720	0
Non Recurring Funds	0	0	0	0	0	64,381
Income Fund	44,476	37,530	50,480	53,239	41,582	24,436
Grants & Contracts	1,091,063	832,919	2,397,194	642,082	526,500	479,655
ICR	77,116	232,527	49,505	85,665	80,584	158,715
Foundation	520	8,524	22,014	72,171	71,143	55,874
Total Revenues	1,430,189	1,328,565	2,753,198	1,126,382	1,008,354	1,043,311
Expenditures*						
Salaries	396,214	483,326	379,583	445,753	518,110	476,351
Grant Collaborators	83,006	57,498	39,905	15,995	25,386	52,734
Faculty Fellow	0	0	8,655	0	0	0

Graduate Assistant	31,358	5,7640	42,677	41,256	18,069	30,722
Student Interns	0	0	26,304	24,000	5,000	0
Student Wages	13,444	15,428	11,393	12,610	7,029	13,822
Travel	13,444	26,553	17,498	23,951	39,615	45,331
Equipment	1,899	16,833	8,053	4,268	16,973	82,321
Commodities	10,918	27,117	15,088	18,943	15,894	51,925
Contractual Services	91,276	930,823	247,677	136,450	102,561	80,964
Awards	25,603	58,250	41,222	19,600	1,590	65,590
Scholarships	134,700	90,533	148,747	172,500	57,500	0
Automotive	1,359	1,184	112	817	811	758
Telecommunications	4,311	5,093	4,750	4,334	4,906	5,157
Benefits	111,901	125,394	85,658	60,840	96,296	84,103
Participant Support	204,122					
Non Mandatory Transfers	4,409	26,992	925	0	19,775	0
Total Expenditures	1,128,058	1,922,682	1,078,517	981,317	929,516	989,778
Revenue Minus Expenditures	302,131	(594,117)#	1,674,681	145,065	78,838	53,533

\* 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.

<b>Staffing (Full Time Equivalent)</b>	<b>FY18</b>	<b>FY17</b>	<b>FY16</b>	<b>FY15</b>	<b>FY14</b>	<b>FY13</b>
<b>Tenured/Tenure-Track Faculty</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>
<b>Research Faculty</b>	<b>1.7</b>	<b>1.2</b>	<b>2</b>	<b>1.7</b>	<b>1.8</b>	<b>2</b>
<b>Non Tenure-Track Faculty</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Staff</b>	<b>3</b>	<b>5</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>4</b>
<b>Total Staffing</b>	<b>6.7</b>	<b>8.2</b>	<b>8</b>	<b>6.7</b>	<b>7.8</b>	<b>7</b>

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Edwardsville</u>
2.	Center/Institute	<u>Environmental Resources Training Center (ERTC)</u>
3.	Date	<u>4/22/19</u>
4.	Director	<u>Matthew R. Maas</u>
4.1	Telephone	<u>618-650-2214</u>
4.2	E-mail	<u><a href="mailto:mmaas@siue.edu">mmaas@siue.edu</a></u>
5.	Year Established	<u>1967</u>
6.	Illinois State Statute (if pertinent)	<u>Ill. Rev. Stat., Ch. 144, Sec. 691, et seq</u>
7.	Reporting Unit	<u>School of Engineering</u>
8.	Type	Activity (check all that apply)
	Instructional	<input type="checkbox"/>
	Research	<input 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

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 Schaaake  
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	24
2.	Maintain a pass rate of greater than 80% on the state certification exams.	>80%	DW = 70% WW = 82%
3.	Increase job placement for graduates.	>80%	87%

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

Revenue minus expenditures remained strong with a \$56,637 total at the end of FY18. This allowed the total account balance of #742048 to grow to \$222,879. A slight decrease in the enrollment of the one-year program and grant funding resulted in lower total revenues, but steady income via night classes, workshops, and CCCDI training/recertification (as well as control of expenditures) allowed for the increase.

The mock water distribution system and mock wastewater collection system that were started in FY17 were continued in FY18 using funds secured from the TAACCCT grant. Full completion of the systems should occur in FY19.

The ERTC received a Membrane BioReactor and tank via donation from Bio-Microbics Inc. This included setup and training. The total donation was valued at \$15,000.

Advancements in the quality of internships continued in FY18. A dedicated effort by ERTC staff was made to push for more paid internships at locations that could potentially yield jobs. Increases in job placement are evident of the success. Internships at Missouri American Water increased from two to four. Internships at MSD increased from 4 to 6. New internship relationships were established with the City of Elmhurst, City of Bensenville, Illinois American Water, and Milford (OH).

The ERTC worked with the Ohio EPA to recognize our facility as simultaneous education and experience credit towards certification. This allowed a student from Ohio to qualify for certification in his home state.

The Director of Water Reclamation (Rick Lallish) at ERTC received the Illinois Association of Water Pollution Control Operators Operator of the Year Award for 2018.

The ERTC held a meeting with the School of Engineering and area businesses to discuss an increase in collaborations, internships, and employment opportunities. The ERTC also branched out to the state of Missouri by attending the MWEA/MoAWWA conference in Osage Beach, MO.

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

The ERTC is the training center for water treatment technology in the state of Illinois.

The ERTC has collaborated with NCERC and the School of Chemistry in pursuit of grant opportunities to further laboratory training.

The ERTC collaborated with the Department of Biological Sciences on an algal research study and with the School of Chemistry on an antibiotics in wastewater research study.

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. The current IEPA interagency agreement runs through September 2018.

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 thirteen years.

The Madison County Employment & Training Center recognizes the ERTC as an approved training facility for students receiving WIOA funding. Three students were funded via the WIOA program in FY18.

SLATE recognized the ERTC as an approved vocational/trade school program and funded the spring semester for a St. Louis County student.

The IEPA has supported the ERTC financially by providing operating funds for 37 years. The current ERTC/IEPA interagency agreement will end in September 2018. Discussions with IEPA have been made for a potential increase in funding on a new three year interagency agreement.

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.

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

Enrollment in the one-year program dropped slightly year over year, but continues to be strong versus historical averages. Revenue generated from workshops and night classes remained consistent.

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 (70%) and wastewater certification (82%) remain high. The drinking water certification pass rate did not meet the performance target, although it remains much higher than the average pass rate of the C water examination (40%). Adjustments will be made to offer the exam prior to the ten-week internship. This will allow the students to take the exam while the information is fresh in their mind, rather than waiting until after their internship when some of the class material could be lost.

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

Job placement statistics were extremely strong with 87% of students finding jobs within six months of graduation (20 of 23). One student could not be reached for a status update.

## 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**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations					
One-Year Program	232,206	246,168	272,000	186,000	208,050
Grants & Contracts	278,694	341,687	310,000	241,800	241,800
CCCDI Training/Symposium	100,505	110,845	80,000	90,000	104,000
CCCDI Recertification	65,960	68,000	66,000	45,000	45,000
Night Classes	29,575	41,925	20,000	20,000	28,000
Workshops	82,500	71,475	45,000	35,000	50,000
Total Revenues	789,440	880,100	793,000	617,800	587,920
Expenditures*					
Full Time Salaries	490,469	532,303	399,000	392,160	451,000
Adj. Staff & Student Workers	46,556	46,064	51,000	58,000	49,000
Telecom/Communications	6,561	12,933	14,500	14,500	14,500
Commodities	70,456	74,218	36,000	36,000	36,000
Equipment	9,847	23,807	100,000	50,000	50,000
Contract Services (add FY18)	78,116	N/A	N/A	N/A	N/A
Computer	0	3,810	21,000	8,400	7,140
Travel	31,798	36,353	14,000	14,000	14,000
Marketing	0	30,658	10,000	10,000	9,000
Total Expenditures	733,803	750,146	645,500	583,060	630,640
Revenue Minus Expenditures	55,637	129,954	147,500	34,740	46,210

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	0	0	0	0	0
Staff	7	7	7	6.5	7
Total Staffing	7	7	7	6.5	7

# CENTERS AND INSTITUTES ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	<b>Reporting Institution</b>	Edwardsville
2.	<b>Center/Institute</b>	Illinois Education Research Council (IERC)
3.	<b>Date</b>	June 29, 2018
4.	<b>Director</b>	Bradford R. White (Interim)
4.1	Telephone	618-650-2240
4.2	E-mail	brawhit@siue.edu
5.	<b>Year Established</b>	2000
6.	<b>Illinois State Statute (if pertinent)</b>	While the IERC was not created by an Illinois state statute it does have statutory responsibility. The IERC is legislated to provide "... research and coordinate research collection activities for the Illinois P-20 Council" (Illinois Public Act 095-0626) and is also legislated as a key stakeholder in the development, access, and use of the Illinois Longitudinal Data System (Illinois Public Act 096-0107).
7.	<b>Reporting Unit</b>	SIUE School of Graduate Studies & Research
8.	<b>Type</b>	Activity (check all that apply)
	<b>Instructional</b>	
	<b>Research</b>	X
	<b>Public Service</b>	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 IERC is led by its Director, who appoints and receives advice from an Advisory Board drawn from Illinois' education researchers, education providers, state education agencies and other stakeholders. The IERC is administratively housed in the School of Graduate Studies and Research at Southern Illinois University Edwardsville.

The IERC has a cadre of research and professional staff who are well equipped as quantitative and qualitative researchers and policy analysts who undertake major research projects, policy analyses, and research reviews. The work of the IERC is extended through collaborative partnerships with other researchers. The IERC also seeks to leverage the state investment in the IERC through grant funding.

### 9.2 Mission

The IERC, housed at Southern Illinois University Edwardsville, was established in 2000 to provide Illinois with education research to support P-20 education policy making and program development. The IERC undertakes independent research and policy analysis, often in collaboration with other researchers that informs and strengthens Illinois' commitment to providing a seamless system of educational opportunities for its citizens. Through publications, presentations, participation on committees, and an annual research symposium, the IERC brings objective and reliable evidence to the work of state policy makers and practitioners.

### 9.3 Objectives

1. Conduct research that is relevant to Illinois P-20 education, focusing on current initiatives, issues and trends in Illinois education.
2. Provide research and logistical support to the Illinois P-20 Council and its six subcommittees.
3. Impact Illinois education policy by disseminating our research to education agencies and education decision makers throughout the state.
4. Support SIU faculty and staff through project collaborations and our faculty fellows program.
5. Support and train SIU students in conducting educational research.

## 10. Advisory Board

### 10.1 Advisory Board - Membership

#### **Internal SIU Board (established May 2016):**

Scott Belobrajdic, Associate Vice Chancellor, Enrollment Management  
Greg Budzban, Dean, College of Arts & Sciences  
Jesse Dixon, Director, University Services to East St. Louis  
Sharon Locke, Director, Center for STEM Research Education Outreach  
Jeremy Jewell, Professor, Psychology  
Caroline Pryor, Associate Professor, Teaching & Learning

Alison Reeves, Associate Professor, Educational Leadership

**External Advisory Board:**

Dr. Karen Hunter Anderson, Executive Director, Illinois Community College Board

Dr. Larry Frank, Director of Research, Illinois Education Association

Dr. Lynne Haeffele, Director, Center for the Study of Education Policy, Illinois State University

Ms. Susan Kleemann, Director, Research, Planning & Policy Administration, Illinois Student Assistance Commission

Dr. Jenny Nagaoka, Deputy Director, UChicago Consortium on School Research, University of Chicago

Dr. Barbara O'Donnell, Associate Dean, School of Education, Southern Illinois University Edwardsville

Dr. Elizabeth Purvis, Secretary of Education, Office of the Governor and Chair of the Illinois P-20 Council

Dr. Elliot Regenstein, Chair, Illinois Longitudinal Data System

Dr. Diane Rutledge, Executive Director, Large Unit District Association

Dr. Tony Smith, State Superintendent, Illinois State Board of Education

Dr. William Trent, Professor of Sociology & Educational Policy Studies, University of Illinois at Urbana-Champaign

Mr. Eric Zarnikow, Executive Director, Illinois Student Assistance Commission

10.2 Number of Meetings (In This Year) Internal 0; External 0

## 11. Annual Performance

### 11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Conduct PK-12 education research studies	2 studies	2 studies (teacher demand projections, PK-12 funding and postsecondary outcomes)
2.	Conduct higher education to workforce research studies	1 study	3 studies (performance funding and diversity indicators, Illinois institutions that are successful with low income students, competency based post-secondary education )
3.	Lead external grant proposal submissions	2 to foundations or state and 1 to a federal agency	3 to foundations (Partnership for College Completion and Forefront x2), 1 to federal agency (US Dept of Ed)
4.	Support or collaborate with SIU faculty and staff	1 collaboration	1 collaboration (faculty fellow Sosanya Jones)
5.	Ascertain new external grants & contracts for research	\$50,000	\$12,292.26
6.	Offset regular staff salary dollars with grants	\$50,000	\$10,774.78
7.	Train students in educational research	Equivalent of 1 50% assistantship	0



Measure		Target for Year	Results in Year
8.	Disseminate IERC research to state research/policy meetings and conferences	5 presentations	4 (Cornerstones at Symposium, Innovation Zones at Symposium, School Improvement programs at DAA, and Il-Empower webinar)
9.	Disseminate IERC research nationally	1 presentation	1 (Degrees with Less Debt at NACADA)
10.	Support IERC faculty fellows in various stages of their research projects	Work with at least 2 faculty fellows	1 faculty fellow (Sosanya Jones, SIUC)
11.	Publish education research policy reports	2 reports	<p>3 reports</p> <ul style="list-style-type: none"> <li>• <i>Public school funding and postsecondary outcomes in Illinois: What is reasonable to expect from Illinois' school funding reforms? (IERC 2018-1)</i></li> <li>• <i>Incentivizing diversity: Midwestern performance funding policy and diversity indicators (FFR 2017-1).</i></li> <li>• <i>Cornerstones of student success: Institutions yielding high return on investment for underserved students (IERC 2017-5).</i></li> </ul> <p>1 chapter for edited volume submitted</p> <ul style="list-style-type: none"> <li>• “Monitoring Implementation: Results of Statewide Study on Implementation” in <i>Reforming Principal Preparation at the State Level: Perspectives on Policy Reform from Illinois</i>, Eds. Drs. Erika Hunt, Alicia Haller, and Lisa Hood (publication date TBD)</li> </ul> <p>1 chapter for published monograph submitted</p> <ul style="list-style-type: none"> <li>• “Introduction and Literature Review” in monograph on competency-based postsecondary education (Title and publication date TBD)</li> </ul>
12.	Provide research and other support to the P-20 Council and subcommittees	Support for 2 meetings/activities	2 (Presented on school improvement programs to Data, Assessment, and Accountability committee, participated in ISBE teaching profession focus group for

Measure		Target for Year	Results in Year
			Teacher and Leader Effectiveness committee
13.	Provide a statewide forum for dissemination of Illinois education research	1 symposia	Held one symposium, November 2017 in Naperville, IL
14.	Secure sponsorship for IERC symposium	\$1,000	\$1,000 from Country Financial

## 11.2 Major Accomplishments (In This Year)

IERC remained productive despite significant staffing losses. We worked with our faculty fellow and colleagues to publish three significant reports on pressing Illinois education policy issues – postsecondary success and debt; diversity in higher education; and school funding reforms). We constructed highly detailed and methodologically sound teacher and administrator demand projections for inclusion in ISBE’s Educator Supply and Demand report. We collaborated with IBHE to produce a seven-chapter volume on the history and processes involved in designing competency-based education programs and career pathways for higher education. Building on our Wallace- and McCormick- Foundation funded I-PREP project, we contributed a chapter to an edited volume on principal preparation reforms in Illinois. We collaborated with partners including RAND Corporation and SRI International on grant proposals totaling over \$280,000. We continued to actively participate in numerous state education committees, including the Data Assessment and Accountability committee of the Illinois P-20 Council, ISBE’s Partnership for Educator Preparation, and the Statewide Education Research steering committee. We also successfully executed our 15<sup>th</sup> annual *Focus on Illinois Education Research Symposium*.

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

### **Alignment of IERC Activities to the State Education Goals set by the Public Agenda and supported by the P-20 Council**

#### ***Goal 1: Increase educational attainment to match best-performing U.S. states and world countries.***

In FY18, we published a significant and timely study analyzing the potential impacts of Illinois’ recent school funding overhaul. This report, *Public school funding and postsecondary outcomes in Illinois: What is reasonable to expect from Illinois’ school funding reforms?*, was authored by Dr. Derrick Houston, Assistant Professor of Higher Education at the University of Oklahoma. The study stemmed from Dr. Houston’s doctoral work at the University of Illinois-Urbana Champaign, which utilized IERC data.

We were heavily involved with the work of the State Board of Education’s Partnership for Educator Preparation, which is working to update data tracking and reporting requirements for the state’s educator preparation programs, and served on the steering committee for the new Statewide Education Research Consortium. We also continued our work with the Data, Assessment, and Accountability and the Teacher and Leader Effectiveness committees of the Illinois P20 Council and began work with the postsecondary report card advisory committee.

#### ***Goal 2: Ensure college affordability for students, families, and taxpayers.***

In FY18, the IERC concluded one research study on the effects of student loan debt and other institutional characteristics on student success in Illinois (*Cornerstones of student success: Institutions yielding high return on investment for underserved students, IERC 2017-5*). This report which ranks 55 public, nonprofit private, and for-profit private institutions in Illinois, identifies the Top 7 for underserved students.

We also continued our collaboration with the Illinois Student Assistance Commission and Drew Anderson from RAND, which culminated in a grant proposal to the Institute for Education Sciences.

***Goal 3. Increase the number of high-quality postsecondary credentials to meet the demands of the economy and an increasingly global society.***

Our early childhood educator preparation studies are at the nexus of ensuring an adequately prepared early childhood education workforce through postsecondary credentialing and degree attainment while helping ensure that adults returning to postsecondary education have high quality options for childcare. We continued this project in FY18 by working with our partners from IBHE, Illinois State University, and Heartland Community College to produce a monograph detailing the process for designing competency-based programs in post-secondary settings. All monograph chapters have been drafted and submitted to a publisher (Stylus) for consideration.

Our FY18 faculty fellow report, *Incentivizing diversity: Midwestern performance funding policy and diversity indicators (FFR 2017-1)*, also addresses Goal 3. This study, by Sonsanya Jones, presents a multi-case study examining postsecondary performance funding policies in four Midwestern states (including Illinois) and explores how each policy's metrics and weights address racial diversity in higher education, including recommendations to help policymakers increase the participation and retention of underrepresented students of color.

***Goal 4. Better integrate Illinois' educational, research, and innovation assets to meet economic needs of the state and its regions.***

IERC was involved in two major FY18 projects aimed at integrating education, research, and innovation to meet the state's economic needs. First, aided by funds from The Joyce Foundation, we partnered with the State Board of Education to produce teacher demand projections for their annual Educator Supply and Demand report. The projections used established methodological procedures to provide fine-grain detail on projections, allowing administrators to drill down to the district level by position, neither of which was available in previous reports.

We also served on the newly-formed Statewide Education Research steering committee. Funded by the Spencer Foundation, the Joyce Foundation, Circle of Service, and the Steans Family Foundation, this group worked to formulate a strategic plan for increasing Illinois' education research capacity and is coordinating efforts to establish and fund an entity to fill the role voided by the IERC .

As the research support arm of the Illinois P-20 Council, we also regularly presented our research to Illinois education agency personnel, including P20 committees and the Illinois State Board of Education's Partnership for Educator Preparation. Our presentation on school improvement research and best practices to the Data, Assessment, and Accountability

committee, in partnership for the Consortium for Educational Change (CEC), was later expanded into a webinar available to the broader education community in Illinois.

### **Alignment of IERC Activities to SIU System Strategic Plan**

#### ***Promoting Student Satisfaction and Success***

The IERC is committed to hiring and training graduate students in educational research. All of our students have been trained in state-of-the art research methods and software. We have received consistent, informal positive feedback from our students and former students indicating what a tremendous learning experience it was for them and how much the experience of working at the IERC has expanded their view of the type of work that they can do and contributed to career development.

#### ***Innovating to Transform Our State and Region***

Most of our research has a state-level focus because that is our mission. What makes us unique among state-level researchers, however, is that we have strong connections to Illinois policy makers, through our advisory board, our work with the P-20 Council and subcommittees, other state level committees, and our state-level symposium. Therefore, we have a direct impact on state-level education policy.

We also engage in support for our region, defined as the metro area. We continue to support the work of the East St. Louis Center by participating on the East Side Aligned Collective Impact coalition and consulting on data collection and utilization strategies.

#### ***Building a Stronger System***

The IERC brings in external grant funding to the university for our research projects. Not only do these externally-funded projects elevate the university grant portfolio and support staff and students at SIUE, but they also support the engagement of SIU with state education agencies, regional and national foundations, and other education research and advocacy organizations. Our funders represent a broad array of education stakeholders and the IERC has a reputation for doing quality research in a timely fashion that supports SIU's reputation across these organizations.

#### ***Developing Our People and Our Places***

The IERC has a large reach across the state. We have a database of more than 3,500 individuals from across the state and the nation from approximately 1,100 entities that are interested in our work. This includes education agency personnel, policy makers, education scholars, the heads and members of key Illinois education committees, education foundations, and K-12 superintendents and principals, regional offices of education, and other key education and education policy personnel. Our research reports, quarterly newsletter, and other communications are sent to relevant personnel from this list. We also engage interested parties from social media, primarily Twitter and Facebook. In addition, we have a user-friendly website that provides open access to all of our research that is heavily utilized. Our reach across the state is further evidenced by the invitations that we receive to present our work to the education agency boards, to the P-20 Council and subcommittees, and to other state committees and foundations.

Our external advisory board is comprised of key education stakeholders in the state, including the Illinois Secretary of Education, the heads of the education agencies, key policy analysts and scholars, among others. We disseminate all of our reports, newsletters, and updates through our advisory board and have regular interaction with them. We also often secure state contracts through contacts on our advisory board.

We collaborate with partners throughout the SIU system. We have utilized the services of an SIUC evaluation group, Applied Research Consultants, in the Psychology Department for some of our projects, and a representative from the President's Office has always been on our external advisory board. Currently, President Randy Dunn sits on our board.

Moreover, we engage education scholars, practitioners, education analysts and policy makers at our annual education research symposium. By inviting our board members to our symposium, our attendees know that key policy makers are in the audience, which boosts attendance and produces lively exchanges between policy makers and education scholars. The keynotes, panels, and sessions at our symposium focus on education policies and practices that are relevant to Illinois, thereby highlighting the relevance of the IERC work for the mission of the state, the system, and the university and many opportunities to present our research, collaborate, or develop a new project come to us through our symposium contacts.

The IERC also supports talented individuals in the region by engaging SIU faculty in our research. We support faculty through our faculty fellowship program. In FY18 we published a faculty fellows report by Sosanya Jones (Educational Administration and Higher Education, SIUC), focusing on how postsecondary performance funding policies are being used to incentivize diversity in four Midwestern states

#### **Alignment to SIUE Strategic Plan**

##### ***Prepared and Committed Students***

The IERC is not an academic unit that offers programs for students; however we do train graduate students to conduct high quality education research and provide experience working on applied research projects. Due to uncertainty around the funding and closure of the IERC, we did not support any graduate assistants in FY18.

##### ***Dedicated Faculty and Staff***

##### **IERC Staff**

Throughout FY18, the IERC maintained a small cadre of dedicated staff. Three (of 4.5 FTE) staff members retired near the end of the FY17, and it was decided not to seek permanent replacements for these staff and to shutter the center at the end of FY18. FY18 staff consisted of 1.0 FTE interim director (Bradford White), 0.5 FTE Research Assistant Professor (Carol Colaninno-Meeks, shared with the Center for STEM Research, Education, and Outreach) and a ten-hour-per-week office support specialist (Beverly Ahrens), along with several extra help employees who assisted with specific projects on an as-needed basis (Amber Kirchoff, communications and social media; Jennifer Barnhart, Symposium coordination and publications; and Daniel Duffy, research assistant).

##### ***Outreach and Partnerships***

The IERC engages in much outreach across the state. We are often asked to present our research to multiple constituencies across the state. Additionally, we participate in many state education committees that set education priorities for the state. Further, we serve our region by partnering with East St. Louis Center and STEM Center, serving on a collective impact data quality committee and collaborating on potential grant opportunities. In FY18, we partnered with external organizations such as RAND and SRI (for external grant proposals), the Partnership for College Completion and the Illinois State Board of Education (for data analysis), and the Consortium for Educational Change (for a series of publications and a webinar).

**Physical and Financial Sustainability**

The IERC partially supports its staff with funding through grants and contracts. Although grants rose considerably through FY16, this trend was unsustainable without the addition full-time research staff to replace those who departed.

#### 11.4 Evidence of Support for Center/Institute Objectives

Table 1

**FY18 Submitted Grant Proposals**

<b>Agency</b>	<b>Date submitted</b>	<b>Title</b>	<b>Amount Requested</b>	<b>Proposal/ Type</b>	<b>Amount Granted</b>
<i>U. S. Department of Education</i>	<i>08/03/2017</i>	<i>Illinois Financial Aid and College Success (I-FACTs)</i>	<i>\$248, 545</i>	<i>Not funded</i>	<i>--</i>
<i>The Partnership for College Completion</i>	<i>03/25/18</i>	<i>Spring 2018 Data Analysis</i>	<i>\$12,292</i>	<i>Awarded (funding pending)</i>	<i>\$12,292</i>
<i>Forefront Chicago</i>	<i>03/20/2018</i>	<i>Understanding the College-to-Career Transition in Chicago</i>	<i>\$19,310</i>	<i>Not funded</i>	<i>--</i>
<b>TOTAL REQUESTED/AWARDED FOR FY18</b>			<b>\$280,147</b>		<b>\$12,292</b>

#### 11.5 Evidence of Organizational Effectiveness

The IERC does not have an instructional unit and does not therefore provide direct instruction. Nonetheless, we do hire graduate students and train them. We train our graduate assistants and undergraduate interns in state-of-the art research and data analysis methods. In FY18, we did not employ any students.

**Research**

Evidence of effectiveness in IERC research can be measured by our research productivity and the impact of our research on education policy. Our research reports are one of the main vehicles for disseminating the findings of our research studies. The IERC produces several substantive reports each year on varied topics tied to our mission of researching educational issues across the P-20 continuum. For any given report, there are often multiple variations of the reports produced for different audiences (executive summary, research highlights, full report). All versions of each report are available in the public domain at our website, <http://ierc.education> along with listings of our presentations. In FY18, we published three research reports and completed 2 chapters for external manuscripts. We also conducted research for several forthcoming reports and presented research at many state venues, several of which were invited sessions, presented at regional conferences, and presented at one national research conference.

**Public Service**

The IERC serves Illinois by providing education research to support P-20 education policy making and program development is at the heart of the IERC mission. The IERC is engaged in many activities that serve the region and the state. Our main products, IERC research reports and presentations, provide education practitioners and policy makers with objective, non-partisan research findings and evaluations of the success of education initiatives and programs. Our research is reported out at state meetings and through research presentations at conferences, both regionally and nationally. Additionally, the IERC hosts a research symposium annually, the *Focus on Illinois Education Research Symposium*, which attracted over 150 participants in FY18 from a wide variety of entities, mainly from Illinois. We present the latest IERC research at the symposium and network with researchers and education stakeholders from across Illinois. Besides our research, we serve the education policy community in Illinois by serving on education committees and working groups and providing research-informed feedback on their work.

**12. Institutional Assessment**

12.1	Date of Last Review	_____
12.2	Decision at Last Review	_____ Center/Institute in Good Standing _____ Center/Institute Flagged for Priority Review _____ Center/Institute Suspended
12.3	Explanation	_____

**RESOURCES: (Illinois Education Research Council)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
<b>Revenues</b>					
State Appropriations					
BP 721934	148,505	320,627	325,588	404,000	413,001
Income Fund					
BP 741062	156,238	131,694	125,777	49,189	16,288
Fdn 3230 Development Fund	3,537	3,537	3,698	830	840
Fdn 3231 Symposium & Meeting Fund	94,604	82,422	70,202	14,680	1,200
Grants & Contracts					
BP 763158 P-20 ESSA (\$16,000)		16,000			
BP 763951 IBHE (\$56,328)					
BP 763967 ISBE (\$103,808)				24,437	79,371
BP 763969 IBHE (\$55,022)				55,022	
BP 763975 IBHE EPPI Grant (\$74,949)		18,605	56,344		
Plus Monograph (80,305)		49,234	75,000		
Plus Additional (\$50K)		41,961	31,071		
Plus Competency extension (\$36,000)		36,000	8,039		
BP 767144 University of Chicago (\$38,930)					
BP 767162 UIUC-Lumina (\$27,019)					19,093
BP 767169 UIUC-NIH (\$17,087)					17,087
BP 767170 Westat - ISBE (\$108,100)			18,474	38,266	37,235
BP 767171 DePaul- IBHE (\$30,000)					
BP 767173 Joyce Foundation (\$158,086)			31,189	52,568	70,571
BP 767204 McCormick Foundation (\$500,000)			300,000	200,000	0
BP 767205 Wallace Foundation (\$50,000)			26,133	23,867	
BP 767249 Joyce: Partnership for Educator Preparation Survey (PEP)		5,000			
BP 767239 St. Louis Graduates Research Partnership (\$20,000 + \$15,000)		25,756	9,244		
<b>Total Revenues</b>	<b>402,884</b>	<b>730,836</b>	<b>1,084,583</b>	<b>862,859</b>	<b>654,686</b>
<b>Expenditures</b>					
Salaries	137,660	127,447	377,817	457,034	439,000
Staff Travel	4,642	12,540	17,332	21,410.	19,355
Equipment	22,403	2,571	7,764	3,102	5,423
Commodities	2,542	22,343	5,810	13,474	18,371
Contractual	30,620	50,968	181,886	183,736	38,720
Auto	356	0	360	350	195
Awards & Grants	0	0	0	0	0
Telecom	3,416	3,023	5,208	5,549	4,511
Fringe Benefits	7,975	40,648	60,986	67,331	36,605
F&A Charges	2,373	39,045	23,809	29,963	9,140
Fdn 3230 Development Fund	0	161	422	680	737



<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Fdn 3231 Symposium & Meeting Fund	22,664	489	3,402	1,361	1,693
<b>Total Expenditures</b>	234,651	229,235	684,004	783,990	573,750
Revenue Minus Expenditures	168,233	470,845	400,579	78,869	80,936

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	0.4	1.6	1.2	2.0	2.0
Staff	1.4	2.9	4.0	3.8	3.8
<i>Total Staffing</i>	<i>1.8</i>	<i>4.5</i>	<i>5.2</i>	<i>5.8</i>	<i>5.8</i>

Faculty: Carol Colaninno-Meeks (0.4)

Staff: Beverly Ahrens (0.3), Jennifer Barnhart (0.1), Brad White (1.0)

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Edwardsville</u>
2.	Center/Institute	<u>IL Small Business Development Center (SBDC) for the Metro East</u>
3.	Date	<u>4-29-19</u>
4.	Director	<u>Giovanna May</u>
4.1	Telephone	<u>618.650.2929</u>
4.2	E-mail	<u><a href="mailto:gdimagg@siue.edu">gdimagg@siue.edu</a></u>
5.	Year Established	<u>1984</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>School of Business</u>
8.	Type	Activity (check all that apply)
	Instructional	<input type="checkbox"/>
	Research	<input 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 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 assist entrepreneurs and companies in defining their path to success. The IL SBDC for the Metro East at SIUE positively impacts the Metro East Illinois region by strengthening the business community, creating and retaining new jobs, and encouraging new investment. 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—To Be Established in 2019 *First meeting held in March 2019*

ITC- Southwest IL Trade and Investment Council

- The first Trade and Investment Council in downstate Illinois. The Council's mission is to raise awareness of global exporting and foreign direct investment as an opportunity for economic stability and growth in the Southern Illinois region.

<http://swillinoistrade.org/Council>

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

10.2 Number of Meetings (In This Year) ITC- 4 meetings

11. Annual Performance

11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Number of Jobs Created (SBDC)	40	71
2.	Number of Business Starts (SBDC)	16	19
3.	Number of Clients Advised (SBDC)	125	521
4.	Number of Clients Advised (ITC)	37	60
5.	Client Exports (ITC)	\$20,000,000.00	\$38,384,254.43

\* 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)

SBDC:

Advised 521 Clients and helped secure over \$ 1 Million in Funding

Supported Belleville, Granite City, Edwardsville, Monroe/Randolph County and Alton High School CEO Programs

Cohosted 1<sup>st</sup> Annual Veteran's Reboot and 2<sup>nd</sup> Annual Veteran's Road Show

Hosted 4<sup>th</sup> Annual Metro East Startup Challenge promoting Entrepreneurship and Innovation in St. Louis Region

Cohosted 3<sup>rd</sup> Annual Small Business Day

Hosted 1<sup>st</sup> SBDC supported Government Contracting Workshop for the area

Conducted and/or Hosted 57 Workshops/Training Sessions with approximately 820 attendees

Published 6 Success Stories

ITC:

- Successfully implemented several initiatives in partnership with the **Southwest Illinois Trade and Investment Council**, among them, "Discover Southwest Illinois" a 2-day visit to our region by 16 consuls and trade commissioners of the Chicago International Trade Commissioners' Association (CITCA) representing 11 countries worldwide. The event was held in May and showcased the region's manufacturing, warehouse and distribution assets, and connected businesses with international trade and investment professionals to develop long-term relationships. Tour participants were also educated on SIUE's significant contributions to the growth and vitality of the area.

- SIUE's School of Business was a major sponsor of this very important event and a FIRST for our region:  
<http://www.siu.edu/business/itc/Global%20Trade%20Representatives%20Discover%20Southwest%20Illinois%20with%20Stop%20at%20SIUE.shtml>
- Sponsored six seminars / conferences with very positive feedback. Over 200 business representatives from the bi-state region participated, including SIUE faculty and staff.
- Continued partnering with World Trade Center St. Louis, St. Louis Regional Chamber of Commerce, Leadership Council Southwestern Illinois, the U.S. Department of Commerce, the Small Business Administration, Washington University and other leading organizations across the St. Louis region to implement the first ***Metro St. Louis Export Plan***, which outlines specific steps local business, civic and government leaders will take to promote Metro St. Louis growth. This plan was the culmination of a year-long study conducted through the Global Cities Initiative, a joint project of the Brookings Institution and JPMorgan Chase.
- Sponsored 5 businesses in the southwestern region with their participation in trade missions and shows in Mexico, Europe and South America. These clients were also assisted with research work performed by SIUE graduate students through the ITC's International Business Consulting Project series.
- Continued providing specialized assistance regarding Latin America.

### 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 CY2018; 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.

### 11.4 Evidence of Support for Center/Institute Objectives

As stated above – 521 SBDC client contacts, over \$38M in ITC client exports; 57 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 group on 10/18/17

Recommend clients to participate in class projects for CMIS 300, MGMT 475/476 and MGMT 595

The ITC actively participated in the class project for MGMT 595 "Competing in Emerging Markets" (spring semester-'18)

Promotes SIUE's vision of Entrepreneurship and Innovation within the communities we serve

11.5 Evidence of Organizational Effectiveness

During FY2018, the SBDC and ITC met or exceeded the goals in a majority of its performance measures and achieved 75% or greater in 22 of 28 total measures.

12. Institutional Assessment

12.1	Date of Last Review	<u>8/5/2015 (Performance Review 8/30/18)</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	2018 SBA Review to be conducted on 8/30/18 Financial Review 2017	

**RESOURCES: IL SBDC for the Metro East**

<b>Financial Resources</b>	<b>CY2017</b>	<b>CY2016</b>	<b>CY2015</b>	<b>CY2014</b>	<b>CY2013</b>
Revenues					
State Appropriations	111,475	144,416	150,826	159,945	154,677
Income Fund	8,843	11,545	23,807	18,990	20,976
Grants & Contracts	180,000	122,827	189,000	189,000	179,572
Total Revenues	300,318	278,788	363,633	367,935	349,176
Expenditures*					
Salaries/Fringes	217,863	225,661	284,024	295,657	259,058
Commodities	3,941	4,116	3,103	6,967	7,367
Contractual	0	36,109	34,205	42,967	52,086
Travel	13,851	13,189	13,052	12,832	15,539
Consultants/Indep. Contractors	16,000	0	0	0	17,616
Equipment	0	0	0	0	5,171
Telephone/Other	42,209	12,851	5,479	5,931	9,401
Total Expenditures	293,864	291,836	339,863	364,354	366,238
Revenue Minus Expenditures	6,454	(13,048)	23,770	3,581	(11,013)

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>	<b>FY2013</b>
Faculty	0	0	0	0	0
Staff	4	3	4	4	4
Total Staffing	4	3	4	4	4

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>Southern Illinois University Edwardsville</u>
2.	Center/Institute	<u>National Corn-to-Ethanol Research Center (NCERC)</u>
3.	Date	<u>April 1, 2019</u>
4.	Director	<u>John Caupert</u>
4.1	Telephone	<u>618-659-6737 ext. 226</u>
4.2	E-mail	<u><a href="mailto:jcaupert@ethanolresearch.com">jcaupert@ethanolresearch.com</a></u>
5.	Year Established	<u>Money Appropriated in 1997, Ground Breaking 2001, Opening October 2003.</u>
6.	Illinois State Statute (if pertinent)	<u>Southern Illinois University Management Act, Public Act 095-099</u>
7.	Reporting Unit	<u>The Graduate School</u>
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 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.

**Absence of Quorum for the Illinois Ethanol Research Advisory Board Since 2012:**

The NCERC repeatedly made requests, written, verbal and face to face meetings, with the Governor's Office of Executive Appointments, to get vacant / expired terms filled.

**NCERC Stakeholder Advisory Board:**

Due to absence of a quorum, since 2012, of the Governor Appointed Advisory Board, 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 Wednesday, October 17

11. Annual Performance

11.1 Performance Measures \*

Measure		Target for Year	Results in Year
1.	Presentations	10	1
2.	Publications	2	1
3.	Grant Awards and Contracts	12	14 – Primarily Contracts
4.	Outreach	25	40
5.	Policy/Legislative Advocacy	10	12

11.2 Major Accomplishments (In This Year)

- \$3.5 million contractual project with DuPont
- Re-emergence of start-up companies in biofuels industry
- The NCERC collaborated with the U.S. Department of Energy and faculty and students at SIUE and Lewis and Clark on its final internship runs under the U.S.

Dept. of Labor TAACCCT grant. Students from chemistry, biology, engineering, mass communications and the L&C process technology program participated in fermentation suite and pilot scale runs through an education and training partnership to scale up DOE technologies.

- NCERC hired its 2018 Visiting Research Fellows, the first class in a new on-the-job training program for recent graduates of a bachelor's or master's program in a STEM field. Funded through a fiscal year 2018 appropriation from the State of Illinois to NCERC at SIUE, the Fellowship program provides training and hands-on experience to prepare the next generation of engineers and scientists for jobs in the bioeconomy.
- NCERC operating technician Chris Wense was the 2018 student scholarship recipient for the Renewable Fuels Association's National Ethanol Conference in San Antonio on February 12-14. 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.
- 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 collaborated with the Department of Chemistry at SIUE to identify and quantify nutritional compounds in corn to ethanol fermentation product using LC/MS/MS, and submitted abstracts to the annual meetings of the American Society of Mass Spectrometry, Distiller's Grains Technology Council, and the International Fuel Ethanol Workshop.
- NCERC hosted a series of badge trainings for students in the SIUE Chemistry Department every Friday from March 30 to May 11. Badging topics include "Good Lab/Manufacturing Practices", "Liquid Chromatography (HPLC)", "Gas Chromatography", "Evaluation of GLP/GMP", "Evaluation of HPLC and GC", and will be taught by industry professionals and academics.
- The Building Illinois' Bioeconomy (BIB) Consortium reached its final month of programmatic activity and entered the reporting phase ended in Fall 2018. The BIB Consortium was founded through a 2014 Trade Adjustment Assistance Community College Career Training (TAACCCT) grant that was awarded to NCERC at SIUE and four Illinois community colleges. The grant established and funded training programs in the bioeconomy sectors, including water quality and control, bioprocessing, restoration ecology, biofuels, and agricultural watershed, and provided additional training resources to underserved populations including laid off workers, veterans, and minorities

### **Funded Grants**

Zhang, Y., Tucker, K., Breckenridge, C., SIUE, Research Equipment and Tools, Shimadzu UHPLC, \$50,000.00 2/1/2018

Pohlman, J., SIUE, Meridian Society, Solving the Equity Equation: Hands-On Education in STEM, \$2,000.00 2/1/2018

Zhang, Y., Tucker, K., Breckenridge, C., Shimadzu SPARQ, Shimadzu SPARQ Grant to SIUE to Launch Shimadzu Innovation Laboratory at SIUE, \$362,000.00 2/15/2018

Zhang, Y., Tucker, K., Breckenridge, C., SIUE, Innovation Fund, Lighting a SPARQ at SIUE: a Corporate Partnership to Increase Academic and Research Excellence, \$100,000.00 2/15/2018

Tucker, K., Breckenridge C., Dixon, R., Frey-Spurlock, C., Maas M. EPA EE  
From the Ground Up \$150,000.00 4/11/2018

Dixon, R., Breckenridge, C., USDA NIFA, Non-Land Grant College of Agriculture (NLGCA) Capacity Building Grants Program, Fueling Growth, \$680,000.00  
5/25/2018

### 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 FY18

#### **Legislative Outreach**

- Growth Energy Advocacy Conference – Outreach and education on critical national issues facing biofuels and ethanol industries.
- Environmental Protection Agency – Testify at Public Hearing
  - "Proposal to Lower the Volume Obligations under the Renewable Fuels Standards (RFS)"

- Environmental Protection Agency – Submitted Comments
  - The NCERC submitted comments to the EPA regarding “Proposal to Lower the Volume Obligations under the Renewable Fuels Standard (RFS)”
- 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 – 12<sup>th</sup> Congressional District of Illinois
- Agriculture Advisory Council – 13<sup>th</sup> 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
  - Co-Products Committee
  - Technical Committee
- Southern Illinois University – College of Agricultural Sciences
  - Co-Chair of Strategic Planning
  - 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

Assistant Director Courtney Breckenridge serves on the following committees and boards:

- Madison County Energy Advisory Board

- Lewis and Clark Community College Process Operations Technology Advisory Board
- BioSTL Diversity Inclusion Initiative Committee
- St. Louis Agribusiness Club

#### **Conferences and Visits**

##### **NCERC visited IL Representatives and Senators' offices and federal agencies**

Washington, DC

July 10 - 12

##### **Department of Energy Conference, Bioeconomy 2017**

Washington, DC

July 11 - 12

##### **National Corn Growers Association Corn Congress**

Washington, DC

July 19 - 20

##### **Renewable Fuels Association Board Meeting**

Washington, DC

July 19

##### **EPA Testimony on the proposed rulings of the 2018 Renewable Volume Obligations of the Renewable Fuels Standard**

Washington, DC

August 1

##### **Hosted Congressional Staff Tour, sponsored by IL Corn Growers Assoc., IL Soybean Assoc., and Growmark**

Edwardsville, IL

August 10

##### **American Coalition for Ethanol (ACE) Ethanol Conference**

Omaha, NE

August 15 - 17

##### **Hosted members of Japanese media, sponsored by IL Corn Growers and US Grains Council**

Edwardsville, IL

August 17

##### **Farm Progress 2017**

Decatur, IL

August 29 - 31

##### **NCERC visited National Renewable Energy Laboratory (NREL)**

September 7

##### **Growth Energy Biofuels Summit and 14 Congressional Meetings**

Washington, DC

September 11 - 14

**NCERC visited U.S. Dept. of Agriculture-Agriculture Research Service Lab**

Peoria, IL

September 15

**NCERC hosted IL Department of Agriculture Visitors from Mexico, China, Columbia, El Salvador, Dominican Republic, and Philippines**

September 18

**NCERC Open House**

September 20

**TAACCCT Convening, U.S. Department of Labor**

Washington, DC

September 26 - 27

**NCERC Annual Stakeholders Meeting**

September 28

**Best Practices and Innovations Conference**

Association for Career and Technical Education (ACTE)

Albuquerque, NM

September 27 - 29

**NCERC visited Ames, IA, Iowa State University's BioCentury Research Farm and Iowa Corn Growers**

October 3 – 4

**Renewable Fuels Association - All Member Board Meeting**

Des Moines, IA.

October 4 – 5

**National Renewable Energy Laboratory visited NCERC**

October 9 – 10

**2017 Fuel Ethanol Lab Conference**

Omaha, NE

October 11 - 12

**Customer Centered Design Symposium at the U.S. Department of Labor**

Based on the presentation at the Customer Centered Design Symposium, the team was selected for showcase on the Customer Center Designed Blog on Workforce GPS, and will be the first team showcased on the DOL blog.

Washington, DC

October 17

**Advanced Bioeconomy Leadership Conference (ABLCNext)**

San Francisco, CA

October 16 - 18

**Washington, DC - Trade and Hill Visits**

NCERC Executive Director, John Caupert, along with Eric McAfee, President / CEO of Aemetis Advanced Biofuels, traveled to Washington, DC for a series of trade association meetings, and Capitol Hill meetings.

October 18 – 20

**National Corn Growers Association visited NCERC**

October 19

**Future of Workforce Education Conference of the National Council for Workforce Education (NCWE)**

Building Illinois' Bioeconomy Consortium presented on "Strategic Partnerships"

Salt Lake City, UT

October 25 - 26

**National Career Pathways Network Conference**

Building Illinois' Bioeconomy Consortium presented on "Soft-Skills Training"

St. Louis, MO

October 26 - 27

**Purdue University visit**

West Lafayette, IN

Nov 1

**Annual conference of the American Association for Adult and Continuing Education**

Building Illinois' Bioeconomy Consortium presented

Memphis, TN

Nov 1 - Nov 3

**Fuels America - Biofuels Fly-In**

Washington, DC

Nov 6 - Nov 8

**2017 International Bioenergy & Bioproducts Conference**

Building Illinois' Bioeconomy Consortium presented poster

Norfolk, VA

Nov 7 - Nov 9

**Visit to SIU Carbondale, Fermentation Institute and Aquaculture Center**

Carbondale, IL

Nov 17

**IL Corn Grower's Annual Meeting**

Normal, IL

Nov 22

**Shimadzu, DSU, Federal Agencies, and Trade Association meetings**

Washington, DC

Nov 28 - Nov 30



**Summit on Equity in STL's Early-Stage, Tech-Based Entrepreneurship Ecosystem**

St. Louis, MO

Nov 30

**ASTM E48 Meeting**

Houston, TX

Dec 04-06

**CareerTech Vision 2017 of the Association for Career and Technical Education**

Nashville, TN

Dec 06-09

**St. Louis Regional Chamber, Illinois Policy Action Network Meeting**

St. Louis, MO

Dec 08

**NCERC hosted the IL Corn Growers for collaborative research meeting with JBEI**

Edwardsville, IL

Dec 11

**BioSTL Quarterly Board Meeting**

St. Louis, MO

Dec 13

**NCERC attended STEMSTL Design Studio Workshop**

St. Louis, MO

Jan 23

**NCERC hosted Illinois Corn Grower's Association Board of Directors**

Jan 25

**NCERC attended the Corn Processing Workshops**

Champaign, IL

Jan 29-Feb 1

**Growth Energy Executive Leadership Conference**

Boca Raton, FL

Feb 7-9

**NCERC hosts NCGA Action Team**

Feb 7

**Renewable Fuels Association - National Ethanol Conference**

San Antonio, TX

Feb 12-14

**NCERC hosts Scientists from USDA and Leadership from NCGA, and ICGA to Discuss Commercialization of New Uses of Corn**

Feb 20

**Commodity Classic**

Anaheim, CA  
Feb 26-Mar 1

**Advanced Bioeconomy Leadership Conference**

Washington, DC.  
Feb 28-Mar 2

**National Corn Growers Association- Corn Productivity & Quality Action Team Meeting**

St. Louis, MO  
March 28-30

**NCERC delivers SIUE Lifelong Learning Session**

Edwardsville, IL  
March 28

**NCERC presents to Edwardsville Rotary Club**

Edwardsville, IL  
March 29

**St. Louis Agribusiness Club**

April 10  
St. Louis, MO

**SIU Day at the Capitol**

April 18  
Springfield, IL

**"Fueling Fun" Biofuels Workshops**

May 4 & 5  
Edwardsville, IL

**22nd Distillers Grains Technology Council Symposium**

May 15 - 17  
Des Moines, IA

**Corn Utilization & Technology Conference**

St. Louis, MO  
June 4-6

**International Fuel Ethanol Workshop**

Omaha, NE  
June 11 - 13

**Southern Illinois University Field Day**

Carbondale, IL  
June 12

**St. Louis Public School District Day Camp**

High Ridge, MO

June 15

**St. Louis Regional Economic Briefing - St. Louis Federal Reserve Bank**

St. Louis, MO

June 20

**Siemens Automation Summit**

Marco Island, FL

June 25 - 28

**ASTM Meeting**

Phoenix, AZ

June 26-27

**BioSTL Quarterly Meeting**

St. Louis, MO

June 26

## 11.5 Evidence of Organizational Effectiveness

**Organizational Effectiveness:**

For a year, in which the industry the NCERC serves, were some of the most tumultuous times in history, 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)**

<b>Financial Resources</b>	<b>FY18</b>	<b>FY17</b>	<b>FY16</b>	<b>FY15</b>	<b>FY14</b>
<b>Revenues</b>					
Beginning Cash	<b>2,940,561</b>	1,479,284		(634,547)	(121,822)
State Appropriations	1,412,950	293,310	293,198	345,000	441,500
Client Contractual Research	4,485,600	2,953,942	3,565,655	2,669,000	1,365,904
Grants	703,860	504,825	767,915	425,000	150,000
Other Revenue	289,788		310,567	0	0
Foundation	59,402	137,000	140,000	100,000	100,000
<b>Total Revenues</b>	<b>6,951,600</b>	<b>5,368,361</b>	<b>5,077,335</b>	<b>2,904,453</b>	<b>2,057,404</b>
<b>Expenditures*</b>					
Salaries	1,813,360	1,273,341	1,377,000	1,200,000	1,110,658
Fringe Benefits	328,045	300,076	598,549	320,000	257,237
Operational Expenses	2,290,490	854,384	1,366,244	1,401,000	1,324,056
<b>Total Expenditures</b>	<b>4,431,895</b>	<b>2,427,800</b>	<b>3,341,793</b>	<b>2,921,000</b>	<b>2,691,952</b>
<b>Cash + Revenue Minus AR and Expenditures</b>	<b>5,460,265</b> <b>1,446,007</b> <b>4,014,258</b>	<b>2,940,561</b>	<b>1,735,542</b>	<b>(16,547)</b>	<b>(634,547)</b>

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

CENTERS AND INSTITUTES  
ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

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

1.	Reporting Institution	<u>SIUE</u>
2.	Center/Institute	<u>University Museum</u>
3.	Date	<u>4/29/2019</u>
4.	Director	<u>Erin Vigneau-Dimick</u>
4.1	Telephone	<u>618-650-2996</u>
4.2	E-mail	<u><a href="mailto:evigneau@siue.edu">evigneau@siue.edu</a></u>
5.	Year Established	<u>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)</u>
6.	Illinois State Statute (if pertinent)	<u>N/A</u>
7.	Reporting Unit	<u>College of Arts &amp; Sciences</u>
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 University Museum 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 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 which relate directly or indirectly to the various academic programs offered by the University to its students and the greater community which it serves.

### 9.3 Objectives

- Advance the academic mission of the university
  - Provide meaningful opportunities for hands-on experiential learning within and outside of the classroom.
  - 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.
- Support the public service mission of the university
  - Serve as a visitor gateway to the campus and the University through outreach events and programming and interactive experiences.
  - 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 Gregory Budzban; Dean, College of Arts & Sciences
- Erin Vigneau-Dimick; Executive Curator, University Museum
- Kyle Moore: Director of Development

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	2 exhibits	5 exhibits
2. Internal Exhibits	2 exhibits	4 exhibits
3. Academic Research (Faculty and Student)		107 researchers
4. Public/Scholarly Research		32 researchers
5. Lectures/programming	2 lectures	6 lectures
6. External Grants (proposed or awarded)	1 grant	2 grants
7. Internal Grants (proposed or awarded)		3 grants

\* 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)

- **Exhibits (9)**
  - *Katherine Dunham: A Life of Dance, Activism and Anthropology*  
Lovejoy Library - Curated by Cory Willmott & Konjit Avent  
Sept. 21st – Oct. 23rd, 2017
  - *Orientalia: the Art and Influence of East Asia* - Schmidt Art Center at SWIC  
Curated by Executive Curator Erin Vigneau-Dimick  
October 26 – December 8, 2017
  - *Gathered Resource: Curated from the Collections of The University Museum and Art & Design Faculty* – Art & Design West Gallery  
Curated by Professors Joe Page and Brigham Dimick and Executive Curator Erin Vigneau-Dimick  
October 31 – November 17, 2017
  - *Installation of blocks of Chicago Stock Exchange Cornice*  
City Museum, Saint Louis, MO  
Curated by Executive Director Rick Erwin  
December 17, 2017 – present
  - *Ruth Slenczynska: Child Prodigy, Concert Pianist, Author and Teacher* – Lovejoy Library – curated by Therese Dickman  
January 8 – January 30, 2018
  - *Birdman Rising: Conversations Beyond Colonialism* – Edwardsville Arts Center  
Curated by Artist Jeff Thomas and Dr. Cory Willmott  
March 23 – April 20 2018
  - *Katherine Dunham: A Life of Dance, Activism and Anthropology*  
Alton Museum of History and Art  
Curated by Dr. Cory Willmott and Konjit Avent  
March 26 – April 22, 2018

- *It's Only a Game* – Meridian Village Senior Living Facility, Glen Carbon, IL  
Curated by Museum Studies Exhibit Practicum students (HIST582) with Executive Curator Erin Vigneau-Dimick and Associate Professor Laura Milsk-Fowler  
April 24, 2018 – present
- *Katherine Dunham: A Life of Dance, Activism and Anthropology*  
East St Louis Center – Curated by Dr. Cory Willmott and Konjit Avent  
April 26 – May 20, 2018
- **Lectures/Programs**
  - *Curator's talk: Orientalia Exhibit* – Schmidt Art Center at SWIC, 10/26/2017
    - Erin Vigneau-Dimick: curator's talk with coordinating exhibition
  - *Katherine Dunham's Legacy presentation* – Lovejoy Library, 9/21/17
    - Theo Jamison, Dunham Master Instructor & Program Director of the East St. Louis PATC
  - *Katherine Dunham Exhibition presentation* – East St. Louis Center, 4/27/18
    - Dr. Cory Willmott, curator and Leverne Backstrom, Dunham Museum Director
  - *It's Only a Game Presentation and Community Game Night*
    - Meridian Village Senior Living Facility, 4/24/2018
    - Lecture, show-and-tell, and interactive game night with residents
    - Presented by Museum Studies Exhibit Practicum students (HIST582) with Executive Curator Erin Vigneau-Dimick and Associate Professor Laura Milsk-Fowler
  - *Birdman Rising: Curator's talks (2)* – Edwardsville Arts Center
    - Artist Jeff Thomas and Dr. Cory Willmott, 4/23/18
    - Artist Jeff Thomas with Edwardsville High School students, 4/22/18
- **Grants**
  - Proposed
    - 2017 Museums for America – IMLS grant
      - \$250,000 request (submitted 12/1/17)
      - Collections Stewardship – *Inventory Project*
  - Awarded
    - Meridian Society Award (awarded April 2018)
      - \$4,500 award: in conjunction with the Center for Spirituality and Sustainability
      - *The Fuller Dome Gallery: Connecting Community to Global Cultural and Spiritual Traditions through Art and Science*; framing of Buckminster Fuller's portfolio of prints, renovation of conference room into museum gallery.
    - CAS Targeted Funding Initiative Grant (awarded Feb. 2018)
      - \$2,300 award: In coordination with Anthropology and the Edwardsville Arts Center
      - *Birdman Rising: Conversations About Colonialism*; Visiting artist, exhibit and lectures
    - CAS Targeted Funding Initiative Grant (awarded Feb. 2018)
      - *The Aisle Project*: Self-guided Bluetooth beacon enabled tour of art installations in the Science West Building
      - \$1,000 award: in coordination with Biology Faculty David Jennings
    - Institute of Museum and Library Services Museum Assessment Program Grant (awarded July 2017)
      - In kind services award for Peer Reviewer Follow-up-Visit to original MAP Grant (2016)



### 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 University Museum provides an enriching experience for students, scholars and the public, connecting them to fine art, historical objects, natural history specimens and diverse cultural artifacts.

During FY18 Erin Vigneau-Dimick served as a member of the Visual and Performing Arts Center Steering committee, charged by the College of Arts & Sciences with working with a team of architects to develop a space plan, budget and concept design for a multi-use center featuring a museum gallery which would fit into a larger plan for the university's future.

### 11.4 Evidence of Support for Center/Institute Objectives

#### **Advance the academic mission of the university**

- Encouraging and facilitating research engaged with the museum's culturally diverse art and artifact collection for faculty, students and members of the general public.
  - 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:
    - *It's Only a Game* – Meridian Village Senior Living Facility, Glen Carbon, IL  
April 24, 2018 – present
      - Curated by Museum Studies Exhibit Practicum students (HIST582) with Executive Curator Erin Vigneau-Dimick and Associate Professor Laura Milsch-Fowler
    - *Voices in Wood* – Anthropology 483 project, Fall 2017
      - Exhibit in Peck Hall and online virtual exhibit
    - *Chinese Figures* – Anthropology 420 project, Fall 2017
      - Exhibit in Peck Hall
  - In FY18 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.
    - 41 undergraduate and 11 graduate projects and exercises served
    - 236 museum objects loaned
  - 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:
    - Jon Parkin, Jennifer Van Bibber, and Mary Westerhold; the Madison County Historical Society
    - Benjamin Lowder; The Fuller Dome
    - Andrew Hunter; The Art Gallery of Guelph (coordinated with the department of Anthropology)

- Providing meaningful opportunities for hands-on experiential learning 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
      - ART202C Introduction to Ceramics; ART 305/520 Advanced Ceramics
      - ANTH404 Anthropology and the Arts; ANTH420: Museum Anthropology, ANTH491 Senior Project
    - 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

#### **Support the public service mission of the university**

- Serving as a visitor gateway to the campus and the University through outreach 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.
    - Exhibition
      - *Birdman Rising: Conversations Beyond Colonialism*
        - March 23 – April 20 2018 - Edwardsville Arts Center
        - Curated by Artist Jeff Thomas and Dr. Cory Willmott
      - *It's Only a Game: Historic Games from the University Museum*
        - April 24, 2018 – present, Meridian Village, Glen Carbon, IL
        - Curated by Museum Studies Exhibit Practicum students (HIST582) with Executive Curator Erin Vigneau-Dimick and Associate Professor Laura Milsk-Fowler
      - *Orientalia: the Art and Influence of East Asia* - Schmidt Art Center at SWIC
        - Curated by Executive Curator Erin Vigneau-Dimick
        - October 26 – December 8, 2017
    - Programming:
      - *It's Only a Game Presentation and Community Game Night*
        - Meridian Village Senior Living Facility, 4/24/2018
        - Lecture, show-and-tell, and interactive game night with residents
        - Presented by Museum Studies Exhibit Practicum students (HIST582) with Executive Curator Erin Vigneau-Dimick and Associate Professor Laura Milsk-Fowler
      - *Birdman Rising: Curator's talks (2)* – Edwardsville Arts Center
        - Artist Jeff Thomas and Dr. Cory Willmott, 4/23/18

- Artist Jeff Thomas with Edwardsville High School students, 4/22/18
  - *Curator's talk: Orientalia Exhibit* – Schmidt Art Center at SWIC, 10/26/2017
    - Erin Vigneau-Dimick: curator's talk with coordinating exhibition
- 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)
- Act as responsible stewards for the publicly owned collections of the university museum
  - According to nationally established standards and best practices the SIUE University Museum legally, ethically, and effectively manages, documents, cares for and engages the collections.
    - Strategic plan
      - A preliminary strategic plan is in place and the Advisory council has established a committee for Policy and Planning
    - University Museum Advisory Council
      - 2 meetings held in FY18
      - Bylaws ratified
      - Standing and executive committees established
    - Accessions
      - Gift of 13 objects from artist and alumna Michael Aakhus, Dean emeritus, University of S. Indiana
      - Transfer of nine Master of Fine Arts Candidates thesis works into the Museum collections
    - Intellectual and physical control of collections
      - Records Reorganization project
        - Proceeding from findings of the 2014 Internal Audit and the 2016 IMLS Federal MAP Review the University Museum is engaged in a multi-stage project to reorganize the physical and digital catalog and archive records
        - Physical records - approximately 53 cubic feet of documents totally over 4800 files surveyed, re-categorized, relocated and finding aids created (complete)
        - Digital records – approximately 24,000 digital files surveyed and re-categorized (50% complete)
      - Inventory Project
        - 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 one comprises all objects on display over 3 SIUE campuses in more than 60 buildings (approximately 1800 objects)
        - First location: Founders Hall onsite inventory (over 200 objects; 90% complete by close of FY18)
        - Pursuing external funding to hire museum collections technicians to staff inventory.

#### 11.5 Evidence of Organizational Effectiveness

As a center which supports the academic, research, and public service missions of SIUE, the University Museum has been actively engaged throughout the year in working with students, faculty and scholars to assist them in employing the collections for their education and scholarship. Throughout the year the Museum staff partnered with internal stakeholders, collaborating with them to facilitate classroom learning, internship opportunities and hands-on experiential learning projects. As part of its public service mission the museum partnered with local and regional non-profit and for-profit institutions to produce numerous exhibits and educational experiences for constituents of all ages.

Utilizing internal and external program reviews as a guide, the Museum created a preliminary strategic plan during FY17 with the long term goals of strengthening operations, increasing professionalism, planning for the future and seeking accreditation. Objectives from the strategic plan that were initiated in FY18 included regular meetings of the Advisory Council, continuation of the records reorganization project and initiation of the collections inventory project to begin to bring the intellectual and physical control of the collections forward according to industry standards and best practices.

The Federal Institute for Museum and Library Services MAP program awarded the University Museum a grant for a follow-up visit from our Peer Reviewer in October of 2017 who met with Collections Manager Erin Vigneau-Dimick to review the inventory project and gave guidance to the Advisory Council in developing the mission statement and Forward Plan. In December of 2017, the museum applied for a Collections Stewardship grant from the federal Institute for Museum and Library Services Museums for America program to hire additional collections technicians to assist in moving the inventory project forward.

#### 12. Institutional Assessment

12.1	Date of Last Review	N/A						
12.2	Decision at Last Review	<table><tr><td>_____</td><td>Center/Institute in Good Standing</td></tr><tr><td>_____</td><td>Center/Institute Flagged for Priority Review</td></tr><tr><td>_____</td><td>Center/Institute Suspended</td></tr></table>	_____	Center/Institute in Good Standing	_____	Center/Institute Flagged for Priority Review	_____	Center/Institute Suspended
_____	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: (University Museum)**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	45,510	43,018	36,922	43,671	72,053
Income Fund	67,516	64,195	55,382	65,507	108,080
Grants & Contracts			0	0	0
Foundation Funds			0	0	0
Transfers from CAS	6,651	6,651	7,001	5,825	5,310
Other Revenue/Sales			0	0	100
Total Revenues	119,177	114,195	99,305	115,003	185,543
Expenditures*					
Salaries (staff & graduate assistants)	95,532	89,963	77,033	93,130	153,501
Wages	0	1,088	120	1,300	9,532
Travel	340	446	0	378	0
Equipment	1,159	1,670	716	105	1,529
Commodities	5,520	2,644	2,369	2,261	4,502
Contractual Services	9,905	11,174	11,499	11,700	10,501
Automotive	5,624	5,673	5,379	5,475	5,525
Telecommunication	1,413	1507	2,514	3,520	2,874
Total Expenditures	119,493	114,165	99,630	117,869	187,964
Revenue Minus Expenditures	(316)	30	(325)	(2,866)	(2,421)

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty	2.0 FTE	2.0 FTE	1.5 FTE	.90 FTE	.40 FTE
Staff				1.0 FTE	1.60 FTE
Graduate Assistants	.75 FTE	.75 FTE	.75 FTE	.75 FTE	1.50 FTE
Student/Temp workers	.1 FTE	.05 FTE	.05 FTE	.15 FTE	.50 FTE
Total Staffing	2.85 FTE	2.80 FTE	2.30 FTE	2.80 FTE	4.0 FTE

# CENTERS AND INSTITUTES ANNUAL REPORTING

Report For: July 1, 2017 – June 30, 2018

(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	1/4/2019						
4.	Director	Jason Church						
4.1	Telephone	618-650-3607						
4.2	E-mail	<a href="mailto:jaschur@siue.edu">jaschur@siue.edu</a>						
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%;">Instructional</td> <td style="border: 1px solid black; text-align: center;">X</td> </tr> <tr> <td>Research</td> <td style="border: 1px solid black;"></td> </tr> <tr> <td>Public Service</td> <td style="border: 1px solid black; 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

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) 3

## 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	\$75,310.19
2. Increase audience size by ten percent	Average weekly cume of 58,410	59,370 (An increase of 11%)
3. Increase Social Media footprint by 15 percent	1188 likes on FB	1617 likes on FB
4. Hire new General Manager	Before end of FY18	Hired: May 21, 2018
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)

- Hired new General Manager (Jason Church)
- Hired new Chief Engineer (Carlos Bedoya)
- Hired part-time Account Executive (Stephanie Lewis)
- Increased Facebook likes by 37%
- Established Social Media accounts with Twitter and Instagram
- Launched 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 Muny, Goldenberg Heller & Antagnoli, Trusty Chords Record Shop and Gulf Shores, among others.
- Attained sponsorship for the New Music Spotlight through partnership with Trusty Chords Record Shop.
- Tweaked station's format to skew toward younger demographics and a wider audience.

### 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 2017</u>						
12.2	Decision at Last Review	<table><tr><td><u>X</u></td><td>Center/Institute in Good Standing</td></tr><tr><td><u>          </u></td><td>Center/Institute Flagged for Priority Review</td></tr><tr><td><u>          </u></td><td>Center/Institute Suspended</td></tr></table>	<u>X</u>	Center/Institute in Good Standing	<u>          </u>	Center/Institute Flagged for Priority Review	<u>          </u>	Center/Institute Suspended
<u>X</u>	Center/Institute in Good Standing							
<u>          </u>	Center/Institute Flagged for Priority Review							
<u>          </u>	Center/Institute Suspended							
12.3	Explanation	<p>(briefly provide any explanation necessary of the institutional assessment or plans for pending program review)</p> <hr/>						

**RESOURCES: WSIE-FM**

<b>Financial Resources</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Revenues					
State Appropriations	70,620.00	141,240.48	141,240.00	184,028.00	171,089.00
Income Fund	.00	36,828.15	.00	38,814.00	.00
Grants & Contracts	.00	2,600.00	.00	.00	.00
Fees from Underwriters	66,072.94	51,342.96	23,213.50	52,646.00	53,898.00
Rental Revenue	9,327.25	8,736.00	8,736.00	9,032.98	10,854.13
Listener Gifts to the SIUE Foundation	16,103.70	26,255.00	22,171.05	10,795.16	14,522.44
Total Revenues	\$162,123.89	\$267,002.59	\$195,360.55	\$295,316.14	\$250,363.62
Expenditures*					
Salaries	156,674.65	67,957.50	70,391.84	150,212.86	181,764.47
Wages	16,863.89	75,863.19	75,479.58	24,032.19	23,411.29
Equipment	1,125.10	2,503.52	588.00	.00	1,497.74
Commodities	4,354.96	592.00	2,111.43	16.27	158.31
Contractual Services	24,817.59	25,095.64	25,725.43	26,110.06	41,991.25
Telecom	8,639.34	8,560.30	8,379.10	7,973.47	9,703.06
Expenditure from Foundation Account	.00	369.75	3,251.70	9,883.97	2,326.63
Total Expenditures	\$212,475.53	\$180,941.90	\$185,927.08	\$218,228.82	\$260,852.75
Revenue Minus Expenditures	(\$50,351.64)	\$86,060.69	\$9,433.47	\$77,087.32	(\$10,489.13)

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

<b>Staffing (Full Time Equivalent)</b>	<b>FY2018</b>	<b>FY2017</b>	<b>FY2016</b>	<b>FY2015</b>	<b>FY2014</b>
Faculty					
Staff	2.5	2	2	2.5	2.5
Student Workers	1	5	4	4	4
Total Staffing	3.5	7	6	6.5	6.5