

# **Coordinating Board for Higher Education**

**9:30 a.m.**  
**Thursday**  
**September 8, 2016**

**Truman Building**  
**Jefferson City, MO**

## **COORDINATING BOARD FOR HIGHER EDUCATION**

**Brian Fogle**, Chair, District 7

**Carolyn Mahoney**, Vice-Chair, District 3

**Doug Kennedy**, Secretary, District 8

**Samuel Murphey**, Member, District 1

**Dalton Wright**, Member, District 4

**Mike Thomson**, Member, District 6

**John Siscel**, Member, At Large

**VACANT**, District 2

**VACANT**, District 5

**TIME:** 9:30 a.m.  
Thursday, Sept. 8, 2016

**PLACE:** Truman Building  
Rm. 490/492  
Jefferson City, MO

# Schedule of Events Sept. 7-8, 2016

## Wednesday, Sept. 7, 2016

3:30 – 5:30 p.m.

**CBHE Work Session**  
Truman Building  
Room 500  
Jefferson City, MO

## Thursday, Sept. 8, 2016

9:30 a.m. – 12:00 p.m.

**CBHE Meeting**  
Truman Building  
Room 490/492  
Jefferson City, MO

Individuals needing special accommodations relating to a disability should contact Jessica Duren at the Missouri Department of Higher Education, 205 Jefferson Street, P. O. Box 1469, Jefferson City, MO 65109, or [Jessica.Duren@dhe.mo.gov](mailto:Jessica.Duren@dhe.mo.gov) or at (573) 522-1312, at least three working days prior to the meeting.

**COORDINATING BOARD FOR HIGHER EDUCATION  
PRESIDENTIAL ADVISORY COMMITTEE**

**Representatives by Statute**

**Public Four-Year Universities**

Dr. Dwaun Warmack, President  
Harris-Stowe State University

Dr. Kevin Rome, President  
Lincoln University

Dr. Alan Marble, President  
Missouri Southern State University

Mr. Clif Smart, President  
Missouri State University

Dr. Cheryl Schrader, Chancellor  
Missouri University of Science and Technology

Dr. Robert Vartabedian, President  
Missouri Western State University

Dr. John Jasinski, President  
Northwest Missouri State University

(PAC Vice-Chair)

Dr. Carlos Vargas-Aburto, President  
Southeast Missouri State University

Dr. Sue Thomas, President  
Truman State University

Dr. Charles Ambrose, President  
University of Central Missouri

Mr. Mike Middleton, Interim President  
University of Missouri System

Dr. Hank Foley, Interim Chancellor  
University of Missouri-Columbia

Mr. Leo Morton, Chancellor  
University of Missouri-Kansas City

Dr. Thomas George, Chancellor  
University of Missouri-St. Louis

**Public Two-Year Colleges**

Dr. Jennifer Methvin, President  
Crowder College

Dr. Jon Bauer, President  
East Central College

Dr. Raymond Cummiskey, President  
Jefferson College

Mr. Mark James, Chancellor  
Metropolitan Community Colleges

Dr. Steven Kurtz, President  
Mineral Area College

Dr. Jeffrey Lashley, President  
Moberly Area Community College

Dr. Lenny Klaver, President  
North Central Missouri College

Dr. Hal Higdon, Chancellor  
Ozarks Technical Community College

Dr. Barbara Kavalier, President  
St. Charles Community College

Dr. Jeff Pittman, Chancellor  
St. Louis Community College

Dr. Joanna Anderson, President  
State Fair Community College

Dr. Wesley Payne, President  
Three Rivers Community College

**Public Two-year Technical College**

Dr. Shawn Strong, President  
State Technical College of Missouri

**Independent Four-year Colleges and Universities**

Dr. Michael Shonrock, President  
Lindenwood University

Dr. Roger Drake, President  
Central Methodist University

Dr. Ron Slepitz, President  
Avila University

Dr. Mark S. Wrighton, Chancellor  
Washington University

Four-year alternate:

Vacant

**Independent Two-year Colleges**

Col. Mike Lierman, President  
Wentworth Military Academy and Junior College

Two-year alternate:

Dr. Jann Weitzel, President  
Cotter College

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**Association Chairs**

**COPHE** – Clif Smart, President, Missouri State University

**MCCA** – Dr. Jon Bauer, President, East Central College

**ICUM** – Dr. Ron Slepitz, President, Avila University

COORDINATING BOARD FOR HIGHER EDUCATION  
 September 8, 2016 – 9:30 a.m. – 12:00 p.m.  
 Harry S Truman State Office Building – Room 490/492  
 Jefferson City, MO

**AGENDA**

<b><u>Agenda Item Description</u></b>	<b>Tab</b>	<b>Presenter</b>
<b>General Business</b>		
<b><u>Action</u></b>		
1. Review Consent Agenda		
a. Minutes of the April 27, 2016, and June 9, 2016 CBHE public meetings, and minutes of the July 8, 2016 and Aug. 3, 2016 closed CBHE meetings.		
b. Distribution of Community College Funds	A	Leroy Wade
c. Academic Program Actions	B	Rusty Monhollon
<b>Report of the Commissioner</b>		Zora Mulligan
<b>Presidential Advisory Committee</b>	<b>Vacant, Chair</b>	
<b><u>Information</u></b>		
1. Higher Education System Review Update	C	Rusty Monhollon
2. Performance Funding Update	D	Jeremy Kintzel
<b>Budget and Financial Aid Committee</b>	<b>Dalton Wright, Vice Chair</b>	
<b><u>Action</u></b>		
1. FY18 Recommendations for Public Institutions' Base Operating Appropriations	E	Kerry Branch
2. FY18 Capital Improvements Recommendations	F	Leroy Wade
3. FY18 Higher Education Capital Fund Recommendations	G	Leroy Wade
4. FY18 Recommendations for MDHE Operating and Student Financial Assistance Appropriations	H	Kerry Branch
5. FY18 High Priority Budget Recommendations	I	Leroy Wade
6. A+ Rule Change	J	Leroy Wade
<b><u>Information</u></b>		
1. Student Loan Program Update	K	Leanne Cardwell
<b>Academic Affairs and Workforce Needs Committee</b>	<b>Doug Kennedy, Chair</b>	
<b><u>Action</u></b>		
1. Five-Year Review of Provisionally-Approved Academic Programs	L	Rusty Monhollon
<b><u>Information</u></b>		
1. Proprietary School Certification Actions and Reviews	M	Leroy Wade
2. Preliminary Report on College and Career Readiness	N	Rusty Monhollon
3. Early College Advisory Board update	O	Rusty Monhollon
<b>Audit Committee</b>	<b>Carolyn Mahoney, Chair</b>	
<b><u>Information</u></b>		
1. Department Audit	P	Jeremy Knee

**Strategic Planning & External Affairs Committee**

**Dalton Wright, Chair**

**Action**

1. Energy Certification

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Jeremy Knee

**Information**

1. Coordinated Plan Quarterly Report

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Leroy Wade

**General Business**

**Information**

1. Appointment of Nominating Committee for 2017 Board Officers

Brian Fogle

2. Good and Welfare of the Board

3. CBHE Members by Congressional District

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4. CBHE Statutory Functions

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**Action**

1. Adjourn Public Session of Coordinating Board for Higher Education Meeting

**COORDINATING BOARD FOR HIGHER EDUCATION  
MINUTES OF MEETING  
April 27, 2016**

The Coordinating Board for Higher Education met on Wednesday, April 27, 2016; at Harris-Stowe State University in St. Louis, Missouri. Chairman Brian Fogle called the meeting to order at 9:02 a.m. The presence of a quorum was established with the following in attendance:

	<b>Present</b>	<b>Absent</b>
Brian Fogle	X	
Carolyn Mahoney	X	
Doug Kennedy	X	
Samuel Murphey	X	
Betty Sims	X	
Dalton Wright	X	
Mike Thomson	X	
John Siscel	X	

**GENERAL BUSINESS**

The meeting began with President Dwaun Warmack welcoming everyone to Harris-Stowe State University.

Three new members have been appointed (awaiting confirmation) to CBHE. Welcome John Siscel, At-Large Member; Mike Thomson, District 6 Member; and Sam Murphey, District 1 Member.

Items on the consent agenda included the Minutes of the February 4, 2016, CBHE Meeting in Jefferson City, the Distribution of Community College Funds and the Academic Program Actions. **Betty Sims made a motion to approve the consent agenda in its entirety. Doug Kennedy seconded the motion. Motion passed unanimously.**

**REPORT OF THE COMMISSIONER**

*Coordinated Plan Update*

Interim Commissioner Leroy Wade stated the 20-page Executive Summary of the coordinated plan; *Preparing Missourians to Succeed: A Blueprint for Higher Education* is available in hard copy to those that request it. He stated the full plan is available online through the Department website. Mr. Wade announced that quarterly updates of the plan to CBHE will begin at the June public meeting.

**PRESIDENTIAL ADVISORY COMMITTEE**

Don Claycomb chaired the Presidential Advisory Committee report.

### ***Performance Funding – 6<sup>th</sup> Measure***

Paul Wagner, Executive Director of Council on Public Higher Education, shared a survey by the National Association of College Employers. The survey will allow NACE to collect data of student that go to work in their field, their pay, etc. He suggests adopting this industry standard survey, but we need to form

a way to determine how to transfer the survey results into a yes or no for Performance Funding. The survey response rate was 70% and the success rate of students was 63%. Mr. Wagner stated that the test survey did include a variety of institutions: public and private, large and small, urban and rural.

Jon Bauer, President of East Central College, stated that his institution was comfortable with the measures and thought they knew how the data would read since they have been doing the 180-day follow up. This did not include transfer students. He did share that they have developed a way to track those students now.

Matt Simpson, College Director for Research and Strategic Planning at Ozarks Technical Community College, stated that this was developed to track students that are not covered in the 180-day follow up. We used data that was externally validated, covered all our graduates, and provided the necessary information to cover the statutory intent of this measure. We did develop a three-stage process for transfer graduates:

- Stage One: Submission through the national student clearinghouse that provides information on subsequent enrollment activity of our students. (Covers about 89% of 4-yr student enrollment.)
- Stage Two: We take those students who do not show subsequent enrollment activity at a 4-year institution and send them to MDHE to match with unemployment insurance wage records. (Only provides results for students in Missouri and does not cover religious professions.)
- Stage Three: Those students not covered by the clearinghouse or UI wage records will receive a copy of the 180-day follow up survey.

A pilot year will be extremely beneficial. It would be helpful if all institutions would be required to participate in the clearinghouse.

### ***2016 Legislative Session Update***

Leroy Wade shared that the progress is being made with SB 997 (CBHE's legislative priority). It is moving well. The higher education student portal was added to it. Our issue with state authorization was also added.

The Firearms on Campus bills are still out there. None of them had gotten on the floor yet.

SB 650 for the A+ Scholarship program to remove the requirement of three years of A+ high school attendance has to be the three years prior to graduation. It has been moving through the process.

HB 1716 would create an approved virtual institution for eligibility for state student financial aid programs has made it most of the way through the process.

The budget is being signed by the Governor today with no vetoes and no spending restrictions with our four percent increase.

No board action was required for the 2016 Legislative Session Update.

***Budget Update***

Debbie Burnette stated that the supplemental budget still shows it is waiting. The department has two items on the supplemental budget: Bright Flight Spending Authority Increase and the University of Missouri System Tax Refund Offset for FY 16 and FY 17.

Debbie Burnette stated the FY 17 recommendations generally remained the same for the department.

Debbie Burnette reviewed the FY 17 budget for Student Financial Assistance Programs with an increase for A+, Bright Flight, and Access Missouri. She reviewed the funding for Higher Education Initiatives, and Operating Budgets stating that University of Missouri System has been broken out by campus.

Debbie Burnette reviewed the new general revenue items added by the House and Senate.

No board action was required for the Budget Update.

**BUDGET AND FINANCIAL AID COMMITTEE**

Brian Fogle chaired the Budget and Financial Aid Committee report.

***Performance Funding – Proposed Community College Developmental Education Changes***

Leroy Wade stated this is a big part of the 2-year performance funding model.

**Betty Sims made a motion to approve the new performance funding measures proposed by the community colleges, commend the Developmental Education Task Force for its work on the proposal, and direct MDHE staff to work toward implementation as part of the fall 2016 / FY 2018 reporting cycle. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Student Loan Program Update***

Information was noted with no further discussion.

***Journey to College Update***

Information was noted with no further discussion.

**ACADEMIC AFFAIRS AND WORKFORCE NEEDS COMMITTEE**

Carolyn Mahoney chaired the Academic Affairs and Workforce Needs Committee report.

***CBHE Credit Transfer Guidelines (General Education Goals and Competencies)***

**Betty Sims made a motion to revise the CBHE Credit Transfer Guidelines on General Education Goals and Competencies as recommended by the Missouri Mathematics Pathways Task Force. Carolyn Mahoney seconded the motion. Motion passed unanimously.**

***Reviewing Competency-based Academic Programs***

Information was noted with no further discussion.

***Proprietary School Certification Actions and Reviews***

Information was noted with no further discussion.

***Military Credit Survey Results***

Information was noted with no further discussion.

***Improving Teacher Quality Grant Update***

Information was noted with no further discussion.

***COTA Conference Report***

Information was noted with no further discussion.

***SARA Update***

Information was noted with no further discussion.

***Missouri High School Graduates Performance Report***

Erik Anderson stated that enrollment is down from last year as a total. It is down at 2-year institutions and up at 4-year institutions.

Mr. Anderson stated that fall-to-fall retention decreased slightly since 2013.

Mr. Anderson reviewed the six-year graduation rate of students beginning college in the fall of 2009. As part of a continuing trend, women were more likely than men to have earned a degree within six years.

**AUDIT COMMITTEE**

Carolyn Mahoney chaired the Audit Committee report.

Jeremy Knee stated the single audit of the MDHE Loan Department had zero negative findings.

**STRATEGIC PLANNING AND EXTERNAL RELATIONS COMMITTEE**

Dalton Wright chaired the Strategic Planning and External Relations Committee report.

***Dates for 2016 CBHE Retreat and Governing Board Forum***

**Betty Sims made a motion to approve August 3, 2016, as the date for the 2016 CBHE Board Retreat; August 4, 2016, as the date for the Missouri n Governing Board Forum; August 2, 2017, as the date for the 2017 CBHE Board Retreat; and August 3, 2017, as the date for a potential Governing Board Forum. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Study Missouri International Day***

Information was noted with no further discussion.

**GENERAL BUSINESS**

**Dalton Wright made a motion to adjourn the meeting. Doug Kennedy seconded the motion. Motion passed.**

DRAFT

**COORDINATING BOARD FOR HIGHER EDUCATION  
MINUTES OF MEETING  
June 9, 2016**

The Coordinating Board for Higher Education met on Thursday, June 9, 2016; at State Technical College of Missouri in Linn, Missouri. Chairman Brian Fogle called the meeting to order at 9:00 a.m. The presence of a quorum was established with the following in attendance:

	<b>Present</b>	<b>Absent</b>
Brian Fogle	X	
Carolyn Mahoney		X
Doug Kennedy	X	
Samuel Murphey	X	
Betty Sims	X	
Dalton Wright	X	
Mike Thomson		X
John Siscel		X

**GENERAL BUSINESS**

The meeting began with President Don Claycomb welcoming everyone to State Technical College of Missouri.

Items on the consent agenda included the Minutes of the April 27, 2016, CBHE Work Session in St. Louis; the Minutes of the April 27, 2016, CBHE Meeting in St. Louis; the Minutes of the May 13, 2016, CBHE Conference Call; the Distribution of Community College Funds and the Academic Program Actions. **Betty Sims made a motion to approve the consent agenda in its entirety. Doug Kennedy seconded the motion. Motion passed unanimously.**

**REPORT OF THE COMMISSIONER**

***2016 Governing Board Forum Update***

Interim Commissioner Leroy Wade stated Governing Board Forum brings together presidents and board members from our institutions, and this year it will be on Thursday, August 4 in Columbia, Missouri at the Holiday Inn Executive Center. We will hear from national speakers from Association of Governing Boards. Mr. Wade encourages everyone to attend, and that this meeting benefits public and non-public institutions.

**PRESIDENTIAL ADVISORY COMMITTEE**

Don Claycomb chaired the Presidential Advisory Committee report.

### ***2016 Legislative Session Final Report***

Leroy Wade shared that the Department received a 4 percent increase in equity funding.

- The Department received money to expand the Student Portal Website
- The Department received money for the System Review that will be carried out in 2016-2017
- State Aid programs received some increased funding
- SB 997 passed
  - Dual Credit will receive some additional funding
  - Reauthorizes the War Veteran's Survivor Program and changes the definition of eligible students

SB 968 – Veterans Issues – revised the language of Returning Heroes.

SB 638 – For early identification of students not ready for college and expansion of the A+ program to non-public high schools.

No board action was required for the 2016 Legislative Session Final Report.

### **BUDGET AND FINANCIAL AID COMMITTEE**

Brian Fogle chaired the Budget and Financial Aid Committee report.

#### ***Peer Group Changes***

Jeremy Kintzel stated that the Department has performance funding in place. The legislature passed in 2014 for five measures. There is a new Task Force for Change Process for Peer Groups.

- Each year institutions could submit changes to their measures to the Task Force and will then be brought in front of the board for approval.
- MWSU – proposed increasing its peer group from 10 to 15 institutions.
- STCM – proposed a number of additions and deletions to its peer group which resulted in the total number being unchanged at 26 institutions.
- MSU-West Plains – had proposed changing its peers for the measures using National Community College Benchmark Project benchmarks to the 66<sup>th</sup> percentile of Missouri community colleges, but withdrew the request due to the potential lack of availability of benchmark data.

**Sam Murphey made a motion to accept changes to performance funding peer groups proposed by Missouri Western State University and State Technical College of Missouri and that those changes be incorporated into Fall 2016 / FY 2018 data reporting. Betty Sims seconded the motion. Motion passed unanimously.**

#### ***Residency Rule***

Jeremy Knee stated that the legislature directs all state agencies to review their administrative rules on a rolling five-year schedule. He shared that the department will adopt the legislature's language of lawful immigration status.

**Betty Sims made a motion to direct the Department to execute the proposed amendments to the Residency Rule. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Recertification of Institutional Eligibility to Participate in State Student Financial Assistance Programs***

**Betty Sims made a motion to approve the institutions listed in the attachment for recertification to participate in the state student financial assistance programs administered by the Missouri Department of Higher Education until September 2019. Sam Murphey seconded the motion. Motion passed unanimously.**

***Updates to Administrative Rules for MDHE Administered State Aid Programs***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemakings become effective as administrative rules as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Revision of the Administrative Rule for the Public Safety Officer or Employee's Child Survivor Grant Program***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemakings become effective as administrative rules as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Revision of the Administrative Rule for the Marguerite Ross Barnett Memorial Scholarship***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemakings become effective as administrative rules as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Revision of the Administrative Rule for Institutional Eligibility for Student Participation***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemakings become effective as administrative rules as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Rescission of the Administrative Rule for the Vietnam Veteran's Survivors Grant***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the Vietnam Veteran's Survivor Grant Program administrative rule is rescinded as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Student Loan Program Update***

Information was noted with no further discussion.

***State Student Aid Status Report***

Information was noted with no further discussion.

**ACADEMIC AFFAIRS AND WORKFORCE NEEDS COMMITTEE**

Doug Kennedy chaired the Academic Affairs and Workforce Needs Committee report.

***Missouri Reverse Transfer Policy Revision***

Rusty Monhollon stated the Department is recommending minor revisions to enhance compatibility and alignment with its intent.

**Betty Sims made a motion to approve the revisions to the Missouri Reverse Transfer Policy. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Updates to Academic Affairs Administrative Rules***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemakings become effective as administrative rules as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Rescission of the Administrative Rule for the Dwight D. Eisenhower Mathematics and Science Education Act***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary rescind the administrative rules for the Dwight D. Eisenhower Mathematics and Science Education Act. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Revision of 6 CSR 10-10.010 Out-of-State Public Institutions***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemaking becomes effective as administrative rule as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Revision to Academic Program Approval Administrative Rule***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemaking becomes effective as administrative rule as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Proposed Administrative Rule for Education Credit for Military Training or Service***

**Betty Sims made a motion to direct the Commissioner of Higher Education to take all actions necessary to ensure the proposed rulemaking becomes effective as administrative rule as soon as possible. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Missouri Higher Education System Review***

Rusty Monhollon stated that the Coordinating Board's statutory authority includes multiple references to its responsibilities relating to system coordination and mission review.

One additional task force member will be added for University of Missouri System to the four-year sector and the two-year sector has the option to add one more member if they so choose.

**Betty Sims made a motion to confirm the establishment of the Missouri Higher Education System Review Task Force and direct the task force to fulfill the charge described.**

**Also to direct the task force to submit an interim report to the Board containing preliminary recommendations for statutory revisions by December 1, 2016 and submit its final report to the Board by July 1, 2017. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Proprietary School Certification Actions and Reviews***

Information was noted with no further discussion.

**STRATEGIC PLANNING AND EXTERNAL RELATIONS COMMITTEE**

Dalton Wright chaired the Strategic Planning and External Relations Committee report.

***Coordinated Plan Quarterly Report – Preparing Missourians to Succeed: A Blueprint for Higher Education***

Leroy Wade stated that in order to monitor the implementation process, the Coordinating Board directed MDHE staff to develop a quarterly update on progress toward achieving the plan's goals. The first Blueprint for Higher Education Quarterly Update was provided at the meeting (attachment in the board book).

Leroy stated that MDHE will annually provide a more comprehensive summary of the programs and initiatives as well as progress being made toward accomplishing the overarching goals.

No board action was required for the Coordinated Plan Quarterly Report.

**GENERAL BUSINESS**

***Emeritus Designation***

**Betty Sims made a motion to approve August 3, 2016, as the date for the 2016 CBHE Board Retreat; August 4, 2016, as the date for the Missouri n Governing Board Forum; August 2, 2017, as the date for the 2017 CBHE Board Retreat; and August 3, 2017, as the date for a potential Governing Board Forum. Doug Kennedy seconded the motion. Motion passed unanimously.**

***Resolution of the Board***

Board Chair Brian Fogle presented Dr. Don Claycomb with a proclamation from the Governor for his many years of service in Missouri's higher education.

No board action was required for the Resolution of the Board.

**Doug Kennedy made a motion to adjourn the meeting. Dalton Wright seconded the motion. Motion passed.**

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Distribution of Community College Funds  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

State aid payments to community colleges are made on a monthly basis. All FY17 state aid appropriations are subject to a three percent statutory reserve. The Truly Agreed To and Finally Passed (TAFP) core state aid appropriations reflect an equity adjustment to the distribution formula as proposed and agreed to by the community college presidents and chancellors. State aid consists of two additional components for FY17. One component includes an appropriation of \$5,894,838 that was awarded based on improvement on specified performance measures, commonly known as performance funding. The second component is an appropriation of \$10,044,016 for the purpose of equity adjustments, which consists of a cumulative appropriation of \$5,540,000 in FY16 and \$4,504,016 in FY17.

The total TAFP state aid appropriation for community colleges in House Bill 3 for FY17, including performance funding, is \$157,769,796. The amount available to be distributed (TAFP appropriation less the three percent statutory reserve) is \$153,036,701.

The total payment of state aid distributions to community colleges for July and August 2016 is summarized below.

State Aid (excluding M&R) – GR portion	\$20,522,652
State Aid – Lottery portion	1,695,880
Performance Funding	953,000
Equity Distribution	1,623,782
Maintenance and Repair	<u>0</u>
TOTAL	\$24,795,314

### **STATUTORY REFERENCE**

Section 163.191, RSMo

### **RECOMMENDED ACTION**

Assigned to Consent Calendar

### **ATTACHMENT(S)**

None

Coordinating Board for Higher Education  
September 8, 2016

## AGENDA ITEM SUMMARY

### AGENDA ITEM

Academic Program Actions  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

This agenda item reports all proposals for program actions reviewed by the Missouri Department of Higher Education since the June 9, 2016 board meeting. These proposals are submitted to the Coordinating Board for Higher Education for action.

The following tables provide a summary of the proposed program actions submitted to the CBHE since the July 1, 2016 deadline for September submissions. The complete listing of proposed program actions can be found in the attachment to this agenda item.

#### Public Institutions

	Certificates	Associates	Baccalaureate	Graduate	Total
<b>Deleted</b>	10	5	4	3	22
<b>Inactivated</b>	2	1	0	0	3
<b>Other Program Changes*</b>	15	16	23	17	71
<b>New</b>	48	8	6	3	65
<b>Off-Site</b>	3	4	11	0	18
<b>Programs Withdrawn</b>	0	0	0	0	0

\*includes options inactivated/deleted, options added, titles changed, programs combined, and coursework revised.

#### Public Comments for Public Institutions

No comments received.

#### Independent Institutions

	Certificates	Associates	Baccalaureate	Graduate	Total
<b>Deleted</b>	0	1	18	2	21
<b>Inactivated</b>	0	0	0	1	1
<b>Other Program Changes*</b>	1	1	4	7	13
<b>New</b>	17	8	13	34	72
<b>Programs Withdrawn</b>	0	0	0	0	0

\*includes options inactivated/deleted, options added, titles changed, programs combined, and coursework revised.

#### Public Comments for Independent Institutions

Comments and concerns were addressed to Lindenwood University regarding the proposed Education Specialist and doctoral degrees offered in School Counseling, Educational

Administration, and Instructional Leadership. These are existing programs to be offered for off-site delivery at various locations in Missouri. Among the issues raised were:

- Concerns with the quality of the programs offered such as faculty and campus oversight, faculty credentials, and adjunct versus full-time faculty teaching;
- Lack of details in the proposals and lack of clarity what is actually being offered, as several of the degree programs are listed together; and
- No clear evidence presented to establish need or sustainability; issues of duplication.

These comments have been forwarded to Lindenwood University for response.

### **Off-Site Location Update**

The following location updates were provided to the MDHE for update to the approved Off-Site Inventory as appropriate.

#### **Added Locations**

*University of Missouri-Columbia (Residence Center)*  
School of Medicine-Springfield Clinical Campus  
1845 S. National Ave.  
Springfield, Missouri 65804

### **Notification of Additional Site**

East Central College provided notification of an additional site being established within their current taxing district:

East Central College  
Business and Industry Center (BIC)  
42 Prairie Dell Plaza Drive  
Union, MO 63084

Programs that will be relocated to this site include: Industrial Engineering Technology, Precision Machining Technology, and Heating/Ventilation/Air Conditioning & Refrigeration. In addition, the Center for Workforce Development will be located in the facility (see attachment for details).

### **STATUTORY REFERENCE**

Sections 173.005.2(1), 173.005.2(8), 173.005.11, 173.030(1), and 173.030(2), RSMo, Statutory requirements regarding CBHE approval of new degree programs.

### **RECOMMENDED ACTION**

Assigned to Consent Agenda

### **ATTACHMENT(S)**

Attachment: Academic Program Actions

## ACADEMIC PROGRAM ACTIONS

### Academic Program Changes (Public Institutions)

#### East Central College

1) Current Program:

AAS, Radiologic Technology, CIP 510907

Proposed Change:

Curricular change from 96.5 credit hours to 70 credit hours

Program as Changed:

AAS, Radiologic Technology, CIP 510907 (curricular change; no change to program inventory)

2) Current Program:

AAS, Early Childhood Development

Proposed Change:

Addition of certificate program developed from approved existing parent degree

Program as Changed:

C0, Early Childhood Development, CIP 190708 (add certificate)

3) Current Program:

AAS, Health Information Technology, CIP 510707

C1, Health Information Technology, CIP 510707

Proposed Change:

Title change

Program as Changed:

AAS, Health Information Management, CIP 510707 (title change)

C1, Health Information Management, CIP 510707 (title change)

4) Current Program:

C0, Energy Management and Auditing, CIP 470201

Proposed Change:

Delete program

Program as Changed:

~~C0, Energy Management and Auditing, CIP 470201~~ (delete program)

5) Current Program:

AAS, Drafting and Design Technology, CIP 151301

C1, Drafting and Design Technology, CIP 151301

Proposed Change:  
Inactivate program

Program as Changed:  
~~AAS, Drafting and Design Technology, CIP 151301~~ (inactivate program)  
~~C1, Drafting and Design Technology, CIP 151301~~ (inactivate program)

6) Current Program:  
AAS, Design, CIP 100301

Proposed Change:  
Options added

Program as Changed:  
AAS, Design, CIP 100301  
    Graphic Design (add option)  
    Multimedia Design (add option)

### **Jefferson College**

1) Current Program:  
C1, Office Assistant, CIP 520401

Proposed Change:  
Delete program

Program as Changed:  
~~C1, Office Assistant, CIP 520401~~ (delete program)

2) Current Program:  
C2, Welding Technology, CIP 480508

Proposed Change:  
Title change

Program as Changed:  
C1, Welding Technology, CIP 480508 (title change)

3) Current Program:  
AAS, Certificate, Computer Aided Design and Engineering Tech, CIP 151302

Proposed Change:  
Delete program

Program as Changed:

~~AAS, Certificate, Computer Aided Design and Engineering Tech, CIP 151302 (delete program)~~

4) Current Program:

AAS, Certificate, Business Info Tech-Voice Technologist, CIP 520401

Proposed Change:

Delete program

Program as Changed:

~~AAS, Certificate, Business Info Tech-Voice Technologist, CIP 520401 (delete program)~~

5) Current Program:

AAS, C1, C2, Computer Aided Drafting/Design Tech-Architectural, CIP 151302

Proposed Change:

Delete program

Program as Changed:

~~AAS, C1, C2, Computer Aided Drafting/Design Tech-Architectural, CIP 151302 (delete program)~~

6) Current Program:

AAS, Graphics/Web Developer, CIP 110901

C1, Graphics/Web Developer, CIP 110801

AAS, Criminal Justice, CIP 430103

C1, Criminal Justice, CIP 430103

AAS, Fire Science Technology, CIP 430201

C1, Fire Science Technology, CIP 430201

AAT, Associate of Arts in Teaching, CIP 131399

AAS, Apprenticeship Training, CIP 489999

Proposed Change:

CIP code change

Program as Changed:

AAS, Graphics/Web Developer, CIP 111004 (CIP code change)

C1, Graphics/Web Developer, CIP 111004 (CIP code change)

AAS, Criminal Justice, CIP 430107 (CIP code change)

C1, Criminal Justice, CIP 430107 (CIP code change)

AAS, Fire Science Technology, CIP 430203 (CIP code change)

C1, Fire Science Technology, CIP 430203 (CIP code change)

AAT, Associate of Arts in Teaching, CIP 131299 (CIP code change)

AAS, Apprenticeship Training, CIP 460000 (CIP code change)

7) Current Program:  
C2, Applied Technology, CIP 470303

Proposed Change:  
Title change

Program as Changed:  
C1, Applied Technology, CIP 470303 (title change)

8) Current Program:  
AAS, Culinary Arts, CIP 120503

Proposed Change:  
Addition of certificate program developed from approved existing parent degree

Program as Changed:  
C2, Culinary Arts, CIP 120503 (add certificate)

9) Current Program:  
C1, Microcomputer Specialist, CIP 520401

Proposed Change:  
Delete program

Program as Changed:  
~~C1, Microcomputer Specialist, CIP 520401~~ (delete program)

10) Current Program:  
AS, Engineering, CIP 140101  
Engineering

Proposed Change:  
Add options

Program as Changed:  
AS, Engineering, CIP 140101  
Engineering  
Engineering Technology (add option)

### **Metropolitan Community College**

1) Current Program:  
n/a

Proposed Change:  
Reactivate program

Program as Changed:  
AA, Associate in Arts, CIP 240101 (reactivate program)

- 2) Current Program:  
AAS, Business, CIP 520201  
Office Management

Proposed Change:  
Inactivate option

Program as Changed:  
AAS, Business, CIP 520201  
~~Office Management~~(inactivate option)

- 3) Current Program:  
AAS, Criminal Justice, CIP 430102  
Adult Corrections  
Juvenile Services

Proposed Change:  
Inactivate option

Program as Changed:  
AAS, Criminal Justice, CIP 430102  
~~Adult Corrections~~(inactivate option)  
~~Juvenile Services~~(inactivate option)

- 4) Current Program::  
AAS, Automotive Technology, CIP 150803  
Industrial Mechanic

Proposed Change:  
Inactivate option

Program as Changed:  
AAS, Automotive Technology, CIP 150803  
~~Industrial Mechanic~~ (inactivate option)

- 5) Current Program:  
AAS, Computer Science & Information Systems, CIP 110202  
Web Technologies  
C1, Computer Science & Information Systems—Web Technologies, CIP 110202

Proposed Change:  
Inactivate option and certificate

Program as Changed:

AAS, Computer Science & Information Systems, CIP 110202

~~Web Technologies (inactivate option)~~

~~C1, Computer Science & Information Systems—Web Technologies, CIP 110202~~  
(inactivate certificate)

### **Mineral Area College**

- 1) Current Program:  
C1, Horticulture, CIP 010601

Proposed Change:  
Title and CIP change

Program as Changed:  
C1, Agriculture, CIP 010101 (title and CIP change)

- 2) Current Program:  
AAS, Agribusiness, CIP 010101  
AAS, Horticulture, CIP 010106

Proposed Change:  
Combination program created out of closely allied existing programs

Program as Changed:  
AAS, Agriculture, CIP 010101 (combined program)  
~~AAS, Agribusiness, CIP 010101 (delete program)~~  
~~AAS, Horticulture, CIP 010106 (delete program)~~

### **Missouri State University**

- 1) Current Program:  
BS, Recreation and Leisure Studies, CIP 310101  
    Health & Wellness Promotions  
    Parks & Outdoor Recreation  
    Recreation Management  
    Sports Management

Proposed Change:  
Title change and delete options

Program as Changed:  
BS, Recreation, Sport and Park Administration, CIP 310101 (title change)  
~~Health & Wellness Promotions (delete option)~~  
~~Parks & Outdoor Recreation (delete option)~~  
~~Recreation Management (delete option)~~  
~~Sports Management (delete option)~~

- 2) Current Program:  
MS, Administrative Studies, CIP 449999  
Applied Communication  
Criminal Justice  
Environmental Management  
Homeland Security  
Producing & Screenwriting  
Project Management  
Sports Management  
Individualized

Proposed Change:  
Title and CIP change and options added

Program as Changed:  
Master of Professional Studies, CIP 440401 (title and CIP change)  
Applied Communication  
Criminal Justice  
Environmental Management  
Homeland Security  
Hospitality Administration (add option)  
Producing & Screenwriting  
Project Management  
Sports Management  
Individualized

- 3) Current Program:  
BSEd, Business Education, CIP 131303

Proposed Change:  
Delete program

Program as Changed:  
~~BSEd, Business Education, CIP 131303~~ (delete program)

- 4) Current Program:  
GRCT, Religious Studies for the Professions, CIP 380201

Proposed Change:  
Delete program

Program as Changed:  
~~GRCT, Religious Studies for the Professions, CIP 380201~~ (delete program)

- 5) Current Program:  
BS, Athletic Training, CIP 510913

Proposed Change:  
Title change

Program as Changed:  
BSAT, Athletic Training, CIP 510913 (title change)

- 6) Current Program:  
MM, Master of Music, CIP 500901  
    Conducting  
    Music Education  
    Music Theory/Composition  
    Pedagogy and Performance

Proposed Change:  
Delete option

Program as Changed:  
MM, Master of Music, CIP 500901  
    ~~Conducting~~ (delete option)  
    ~~Music Education~~ (delete option)  
    ~~Music Theory/Composition~~ (delete option)  
    ~~Pedagogy and Performance~~ (delete option)

- 7) Current Program:  
BSEd, Secondary Education, CIP 131205  
    Agriculture  
    Art & Design  
    Biology  
    Business  
    Chemistry  
    Earth Science  
    English  
    Family & Consumer Sciences  
    French  
    German  
    History  
    Mathematics  
    Physical Education  
    Physics  
    Speech & Theatre

Proposed Change:  
Delete options

Program as Changed:

BSEd, Secondary Education, CIP 131205

Agriculture  
Art & Design  
Biology  
~~Business~~ (delete option)  
Chemistry  
Earth Science  
English  
Family & Consumer Sciences  
~~French~~ (delete option)  
~~German~~ (delete option)  
History  
Mathematics  
Physical Education  
Physics  
Speech & Theatre

8) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

GRCT, Environmental Monitoring and Sampling, CIP 400699 (add certificate)

9) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

GRCT, Elementary Curriculum and Instruction, CIP 130301 (add certificate)

10) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

GRCT, Education of the Gifted and Talented Students, CIP 131004 (add certificate)

11) Current Program:

BS, Child and Family Development, CIP 190701

Proposed Change:  
Options added

Program as Changed:  
BS, Child and Family Development, CIP 190701  
Child Development (add option)  
Child Life (add option)  
Family Studies (add option)  
Youth Development (add option)

12) Current Program:  
MS, Administrative Studies, CIP 449999  
Applied Communication  
Criminal Justice  
Environmental Management  
Homeland Security  
Project Management  
Sports Management  
Individualized

Proposed Change:  
Options added

Program as Changed:  
MS, Administrative Studies, CIP 449999  
Applied Communication  
Criminal Justice  
Environmental Management  
Homeland Security  
Producing & Screenwriting (add option)  
Project Management  
Sports Management  
Individualized

13) Current Program:  
BS, Planning, CIP 040301  
Community & Regional  
Planning & Tourism  
Planning & Development

Proposed Change:  
Delete options

Program as Changed:  
BS, Planning, CIP 040301

Community & Regional Planning  
~~Planning & Tourism~~ (delete option)  
~~Planning & Development~~ (delete option)

14) Current Program:

GRCT, Administrative Studies, CIP 440401

Proposed Change:

Title change

Program as Changed:

GRCT, Professional Studies, CIP 440401 (title change)

15) Current Program:

GRCT, Instructional Technology Specialist, CIP 131501

Proposed Change:

Title change

Program as Changed:

GRCT, Educational Technology, CIP 130501 (title change)

16) Current Program:

MS, Student Affairs, CIP 130406

Proposed Change:

Title change

Program as Changed:

MS, Student Affairs in Higher Education, CIP 130406 (title change)

17) Current Program:

BSED, Chemistry Education/Unified Science, CIP 131205

Categorical Science

Unified Science

Proposed Change:

Delete options

Program as Changed:

BSED, Chemistry Education/Unified Science, CIP 131205

~~Categorical Science~~ (delete option)

~~Unified Science~~ (delete option)

18) Current Program:

BS, Planning/Tourism & Planning, CIP 040301

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Planning/Tourism & Planning, CIP 040301 (delete program)~~

19) Current Program:

n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
CO, Environmental Education, CIP 131338 (add certificate)

20) Current Program:

BA, Global Studies, CIP 302001  
Business and Economics  
Language and Culture  
Politics, Society and Environmental Issues

Proposed Change:  
Delete options

Program as Changed:  
BA, Global Studies, CIP 302001  
~~Business and Economics (delete option)~~  
~~Language and Culture (delete option)~~  
~~Politics, Society and Environmental Issues (delete option)~~

21) Current Program:

MS, Criminology, CIP 450401

Proposed Change:  
Title change

Program as Changed:  
MS, Criminology and Criminal Justice, CIP 450401 (title change)

22) Current Program:

n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Countering Weapons of Mass Destruction, CIP 280601 (add certificate)

23) Current Program:  
MA, Theatre, CIP 500501

Proposed Change:  
Delete program

Program as Changed:  
~~MA, Theatre, CIP 500501~~ (delete program)

24) Current Program:  
BSED, Middle School Education, CIP 131203

Proposed Change:  
Options added

Program as Changed:  
BSED, Middle School Education, CIP 131203  
Language Arts & Social Sciences (add option)  
Language Arts & Mathematics (add option)  
Language Arts & Sciences (add option)  
Mathematics & Social Sciences (add option)  
Mathematics & Science (add option)  
Science & Social Science (add option)

25) Current Program:  
BS, Journalism, CIP 090401  
Broadcast Journalism  
Print and Internet Journalism

Proposed Change:  
Delete options

Program as Changed:  
BS, Journalism, CIP 090401  
~~Broadcast Journalism~~ (delete option)  
~~Print and Internet Journalism~~ (delete option)

26) Current Program:  
BS, Mass Media, CIP 090102  
Digital Film Production  
Film Studies  
Media Production  
Media Studies

Proposed Change:  
Delete options

Program as Changed:

BS, Mass Media, CIP 090102

~~Digital Film Production~~ (delete option)

~~Film Studies~~ (delete option)

~~Media Production~~ (delete option)

~~Media Studies~~ (delete option)

27) Current Program:

BA, Mass Media, CIP 090102

Film Studies

Media Studies

Proposed Change:

Delete options

Program as Changed:

BA, Mass Media, CIP 090102

~~Film Studies~~ (delete option)

~~Media Studies~~ (delete option)

28) Current Program:

BFA, Theatre and Dance, CIP 500501

Acting

Design/Technology/Stage Management

Proposed Change:

Options added

Program as Changed:

BFA, Theatre and Dance, CIP 500501

Acting

Dance (add option)

Design/Technology/Stage Management

29) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Concentrated Officer Development & Education (CODE) I: The Justice System, CIP 450401 (add certificate)

30) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Forensic Child Psychology, CIP 422812 (add certificate)

31) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Computational Science, CIP 303001 (add certificate)

32) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Concentrated Officer Development & Education (CODE) II: The Officer, CIP 450401 (add certificate)

33) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Concentrated Officer Development & Education (CODE) III: The Community, CIP 450401 (add certificate)

34) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Concentrated Officer Development & Education (CODE) IV: The Leaders of Law Enforcement, CIP 450401 (add certificate)

35) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Tax Accounting, CIP 520301 (add certificate)

36) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Press Politics, CIP 090904 (add certificate)

37) Current Program:  
GRCT, Family Nurse Practitioner Post Masters Graduate Certificate, CIP 513805

Proposed Change:  
Delete program

Program as Changed:  
~~GRCT, Family Nurse Practitioner Post Masters Graduate Certificate, CIP 513805~~ (delete program)

38) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Individualized Studies, CIP 309999 (add certificate)

39) Current Program:  
MSEd, Special Education, CIP 131001

Proposed Change:  
Options added

Program as Changed:

MSEd, Special Education, CIP 131001

Blindness and Low Vision (add option)

Special Education Alternative Certificate Track (add option)

Orientation and Mobility (add option)

Developmental Disabilities (add option)

Autism Spectrum Disorder (add option)

40) Current Program:

MS, Geospatial Sciences, CIP 400699

Geography and Geology

Physical Geography

Environmental Geology

Proposed Change:

Options added

Program as Changed:

MS, Geospatial Sciences, CIP 400699

Geography and Geology

Human Geography and/or Planning (add option)

Physical Geography

Environmental Geology

41) Current Program:

C0, Manufacturing Management, CIP 520205

Proposed Change:

Delete program

Program as Changed:

~~C0, Manufacturing Management, CIP 520205~~ (delete program)

42) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

GRCT, Statistics and Research Design, CIP 422704 (add certificate)

43) Current Program:

n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Hospitality Administration, CIP 520999 (add certificate)

44) Current Program:  
BS, Computer Science, CIP 110701

Proposed Change:  
Options added

Program as Changed:  
BS, Computer Science, CIP 110701  
    Computer Science (add option)  
    Software Development (add option)

45) Current Program:  
BS, Facility Management, CIP 190604

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Facility Management, CIP 190604~~ (delete program)

46) Current Program:  
GRCT, Computer Information Systems, CIP 520201

Proposed Change:  
CIP code change

Program as Changed:  
GRCT, Computer Information Systems, CIP 521206 (CIP code change)

47) Current Program:  
MS, Nurse Anesthesia, CIP 513804

Proposed Change:  
Delete program

Program as Changed:  
~~MS, Nurse Anesthesia, CIP 513804~~ (delete program)

48) Current Program:  
BMUS, Bachelor of Music Education, CIP 131312

Instrumental Endorsement  
Vocal and Choral Endorsement

Proposed Change:  
Title change

Program as Changed:  
BME, Music Education, CIP 131312 (title change)  
Instrumental (title change)  
Vocal and Choral (title change)

**Missouri State University-West Plains**

- 1) Current Program:  
AAS, Business, CIP 520101  
Accounting  
Computer Information Systems  
Management  
Technology Management

Proposed Change:  
Add options

Program as Changed:  
AAS, Business, CIP 520101  
Accounting  
Computer Information Systems  
Entrepreneurship (add option)  
Management  
Technology Management

- 2) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Workplace Employability Skills, CIP 350103 (add certificate)

- 3) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C1, Horticulture, CIP 011103 (add certificate)

- 4) Current Program:  
C1, Manufacturing Technology, CIP 150699

Proposed Change:  
Title change

Program as Changed:  
C1, Advanced Manufacturing Technology, CIP 150699 (title change)

- 5) Current Program:  
AAS, Technology, CIP 150699  
    Alternative Energy  
    General Technology  
    Manufacturing  
    Technology Management

Proposed Change:  
Title change

Program as Changed:  
AAS, Technology, CIP 150699  
    Advanced Manufacturing Technology (title change)  
    Alternative Energy  
    General Technology  
    Technology Management

### **Missouri University of Science and Technology**

- 1) Current Program:  
MS, Computer Engineering, CIP 140901

Proposed Change:  
Add options

Program as Changed:  
MS, Computer Engineering, CIP 140901  
    Computational Intelligence (add option)  
    Computer Architecture and Embedded Systems (add option)  
    Integrated Circuits and Logic Design (add option)  
    Networking, Security, and Dependability (add option)

- 2) Current Program:  
PhD, Computer Engineering, CIP 140901

Proposed Change:  
Add options

Program as Changed:  
PhD, Computer Engineering, CIP 140901  
    Computational Intelligence (add option)  
    Computer Architecture and Embedded Systems (add option)  
    Integrated Circuits and Logic Design (add option)  
    Networking, Security, and Dependability (add option)

- 3) Current Program:  
BS, Computer Engineering, CIP 140901  
    Computational Intelligence  
    Computers and Architecture  
    Embedded Computer Systems  
    Integrated Circuits and Logic Design  
    Networking and Software Engineering  
    Security and Reliability

Proposed Change:  
Title change

Program as Changed:  
BS, Computer Engineering, CIP 140901  
    Computational Intelligence  
    Computer Architecture and Embedded Systems (title change)  
    Integrated Circuits and Logic Design  
    Networking, Security, and Dependability (title change)

- 4) Current Program:  
GRCT, Human Systems Integration, CIP 143001

Proposed Change:  
CIP code change

Program as Changed:  
GRCT, Human Systems Integration, CIP 151501 (CIP code change)

- 5) Current Program:  
GRCT, Quality Engineering, CIP 143001

Proposed Change:  
CIP code change

Program as Changed:  
GRCT, Quality Engineering, CIP 149999 (CIP code change)

- 6) Current Program:  
GRCT, Information System Project Management, CIP 143001
- Proposed Change:  
CIP code change
- Program as Changed:  
GRCT, Information System Project Management, CIP 111005 (CIP code change)

- 7) Current Program:  
MS, Engineering Management, CIP 151501
- Proposed Change:  
Addition of certificate program developed from approved existing parent degree
- Program as Changed:  
MS, Engineering Management, CIP 151501  
GRCT, Project Management, CIP 151501 (add certificate)

### **Saint Charles Community College**

- 1) Current Program:  
n/a
- Proposed Change:  
Addition of free-standing single-semester certificate program
- Program as Changed:  
C0, Networking (Routing & Switching), CIP 110901 (add certificate)  
C0, System Administration, CIP 111001 (add certificate)  
C0, Cyber Security, CIP 111003 (add certificate)  
C0, Desktop Support, CIP 111006 (add certificate)

- 2) Current Program:  
AA, Associate of Arts & Science, CIP 240101
- Proposed Change:  
Addition of single-semester certificate program to existing parent degree
- Program as Changed:  
AA, Associate of Arts & Science, CIP 240101  
C0, Diversity, CIP 240101 (add certificate)

### **Saint Louis Community College**

- 1) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Interior Design Professional, CIP 500408 (add certificate)

- 2) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Digital Media-Video Editing and Animation, CIP 500401 (add certificate)

- 3) Current Program:  
C0, Sustainable Environmental Design, CIP 040401

Proposed Change:  
Delete program

Program as Changed:  
~~C0, Sustainable Environmental Design, CIP 040401~~ (delete program)

- 4) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Digital Media-Interactive and Graphic Design, CIP 500401 (add certificate)

- 5) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Digital Media-Digital Photography, CIP 500102 (add certificate)

### **Southeast Missouri State University**

- 1) Current Program:  
EDS, Educational Leadership Development, CIP 130401

Proposed Change:  
Title change

Program as Changed:  
EDS, Teacher Leadership, CIP 130401 (title change)

- 2) Current Program:  
GRCT, Heritage Education, CIP 540105

Proposed Change:  
Title change

Program as Changed:  
GRCT, Heritage Interpretation, CIP 540105 (title change)

- 3) Current Program:  
MA, Public History, CIP 540105  
Heritage Education  
Historic Preservation

Proposed Change:  
Title change

Program as Changed:  
MA, Public History, CIP 540105  
Heritage Interpretation (title change)  
Historic Preservation

- 4) Current Program:  
MNS, Master of Natural Science, CIP 300101  
Science Education

Proposed Change:  
Title change

Program as Changed:  
MNS, Master of Natural Science, CIP 300101  
STEM Education (title change)

**University of Central Missouri**

- 1) Current Program:  
BS, Nursing, CIP 513801

Proposed Change:  
Options added

Program as Changed:  
BS, Nursing, CIP 513801  
    Pre-licensure (add option)  
    RN-BSN Nursing (add option)

- 2) Current Program:  
BS, Digital Media Production, CIP 090701

Proposed Change:  
Addition of certificate program developed from approved existing parent degree

Program as Changed:  
BS, Digital Media Production, CIP 090701  
C0, Web Media, CIP 090701 (add certificate)

- 3) Current Program:  
BS, Biochemistry, CIP 432950

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Biochemistry, CIP 432950~~ (delete program)

- 4) Current Program:  
BSBA, Hospitality Management, CIP 520901  
BSBA, Marketing, CIP 521401

Proposed Change:  
Addition of certificate program developed from approved existing parent degree

Program as Changed:  
BSBA, Hospitality Management, CIP 520901  
BSBA, Marketing, CIP 521401  
C0, Events and Services, CIP 521401 (add certificate)

### **University of Missouri-Columbia**

- 1) Current Program:  
BA, Film Studies, CIP 500601

Proposed Change:  
Options added

Program as Changed:  
BA, Film Studies, CIP 500601  
    Film Production (add options)

**University of Missouri-Kansas City**

1) Current Program:

BA, Secondary Education, CIP 131205

Art  
English  
Foreign Languages  
Mathematics  
Natural Science  
Social Science

Proposed Change:

Add and delete options

Program as Changed:

BA, Secondary Education, CIP 131205

Art  
Biology (add option)  
Chemistry (add option)  
Earth Science (add option)  
English  
Foreign Language-French (add option)  
Foreign Language-German (add option)  
Foreign Language-Spanish (add option)  
Mathematics  
~~Natural Science~~ (delete option)  
Physics (add option)  
Social Science  
Unified Science-Biology (add option)  
Unified Science-Chemistry (add option)  
Unified Science-Earth Science (add option)  
Unified Science-Physics (add option)

2) Current Program:

MA, Curriculum & Instruction, CIP 030301

Early Childhood Education  
Early Childhood Special Education  
Elementary Education  
General  
Multicultural Education  
Subject Matter Specialty  
Teaching English as a Second Language

Proposed Change:

Delete options

Program as Changed:

MA, Curriculum & Instruction, CIP 030301

Early Childhood Education

~~Early Childhood Special Education~~ (delete option)

~~Elementary Education~~ (delete option)

General

Multicultural Education

Subject Matter Specialty

Teaching English as a Second Language

3) Current Program:

GRCT, Oral and Maxillofacial Surgery, CIP 510507

Proposed Change:

Delete program

Program as Changed:

~~GRCT, Oral and Maxillofacial Surgery, CIP 510507~~ (delete program)

4) Current Program:

PhD, Education, CIP 030101

Proposed Change:

Delete program

Program as Changed:

~~PhD, Education, CIP 030101~~ (delete program)

5) Current Program:

MA, Counseling and Guidance, CIP 131101

Couples & Family Counseling

Elementary School Counseling & Guidance

General

Mental Health Counseling

School Counseling & Guidance

Proposed Change:

Title change and delete options

Program as Changed:

MA, Counseling, CIP 131101 (title change)

Couples & Family Counseling

~~Elementary School Counseling & Guidance~~ (delete option)

General

Mental Health Counseling

School Counseling (title change)

- 6) Current Program:  
EDSp, Counseling and Guidance, CIP 131101  
General  
Mental Health Counseling  
School Counseling

Proposed Change:  
Title change

Program as Changed:  
EDSp, Counseling, CIP 131101 (title change)  
General  
Mental Health Counseling  
School Counseling

### **University of Missouri-St. Louis**

- 1) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Post-Graduate Advanced Nursing Practice with Educator Functional Role, CIP 513818 (add certificate)

- 2) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Post-Graduate Acute Care Pediatric Nurse Practitioner, CIP 511609 (add certificate)

- 3) Current Program:  
BSEd, Physical Education, CIP 131314  
PK-9  
PK-12

Proposed Change:  
Delete options

Program as Changed:

BSEd, Physical Education, CIP 131314  
~~PK-9~~ (delete option)  
PK-12

- 4) Current Program:  
BSEd, Physical Education, CIP 131205  
PK-9  
PK-12

Proposed Change:  
Delete option

Program as Changed:  
BSEd, Physical Education, CIP 131205  
~~PK-9~~ (delete option)  
PK-12

- 5) Current Program:  
BSEd, Special Education, CIP 131001  
Emotionally Disturbed  
Learning Disability  
Mentally Retarded

Proposed Change:  
Delete options

Program as Changed:  
BSEd, Special Education, CIP 131001  
~~Emotionally Disturbed~~ (delete option)  
~~Learning Disability~~ (delete option)  
~~Mentally Retarded~~ (delete option)

- 6) Current Program:  
BSEd, Secondary Education, CIP 131205  
Business Education  
English  
Mathematics  
Modern Foreign Language-French  
Modern Foreign Language-German  
Modern Foreign Language-Spanish  
Music  
Science-Biology  
Science-Chemistry  
Science-Physics  
Social Studies-Economics  
Social Studies-History

Social Studies-Political Science  
Social Studies-Psychology  
Social Studies-Sociology

Proposed Change:  
Delete options

Program as Changed:  
BSEd, Secondary Education, CIP 131205  
~~Business Education~~ (delete option)  
English  
Mathematics  
Modern Foreign Language-French  
~~Modern Foreign Language-German~~ (delete option)  
Modern Foreign Language-Spanish  
~~Musie~~ (delete option)  
Science-Biology  
Science-Chemistry  
Science-Physics  
Social Studies-Economics  
Social Studies-History  
Social Studies-Political Science  
Social Studies-Psychology  
Social Studies-Sociology

- 7) Current Program:  
DNP, Nursing Practice, CIP 513818  
Adult-Geriatric Nurse Practitioner  
Family Nurse Practitioner  
Leadership in Population Health & Healthcare Systems  
Neonatal Nurse Practitioner  
Nurse Educator  
Nurse Leader  
Pediatric Nurse Practitioner  
Psychiatric-Mental Health Nurse Practitioner  
Women's Health Nurse Practitioner

Proposed Change:  
Title change, options added and deleted

Program as Changed:  
DNP, Nursing Practice, CIP 513818  
Acute Care Pediatric Nurse Practitioner (add option)  
Adult-Gerontology Nurse Practitioner (title change)  
Family Nurse Practitioner  
Leadership in Population Health & Healthcare Systems

~~Neonatal Nurse Practitioner~~ (delete option)  
~~Nurse Educator~~ (delete option)  
~~Nurse Leader~~ (delete option)  
Pediatric Nurse Practitioner  
Psychiatric-Mental Health Nurse Practitioner  
Women's Health Nurse Practitioner

- 8) Current Program:  
BA, Theatre Arts, CIP 500501

Proposed Change:  
Options added

Program as Changed:  
BA, Theatre Arts, CIP 500501  
Acting/Directing (add option)  
Cinema (add option)  
Design (add option)  
Playwriting/Screenwriting (add option)

- 9) Current Program:  
MS, Nursing, CIP 513801  
Adult Nurse Practitioner  
Family Nurse Practitioner  
Neonatal Nurse Practitioner  
Nurse Educator  
Nurse Leader  
Pediatric Nurse Practitioner  
Psychiatric-Mental Health Nurse Practitioner  
Women's Health Nurse Practitioner

Proposed Change:  
Title change, options added and deleted

Program as Changed:  
MS, Nursing, CIP 513801  
Acute Care Pediatric Nurse Practitioner (add option)  
Adult-Gerontology Nurse Practitioner (title change)  
Family Nurse Practitioner  
~~Neonatal Nurse Practitioner~~ (delete option)  
Nurse Educator  
Nurse Leader (delete option)  
Pediatric Nurse Practitioner  
Psychiatric-Mental Health Nurse Practitioner  
Women's Health Nurse Practitioner

10) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

GRCT, Acute Care Pediatric Nurse Practitioner, CIP 511609 (add certificate)

**Received and Reviewed Changes in Programs (Independent Colleges and Universities; includes Discontinued Programs and Programs Placed on Inactive Status)**

**Columbia College**

1) Current Program:

BA, American Studies, CIP 050102 (Rolla location)

Proposed Change:

Delete program

Program as Changed:

~~BA, American Studies, CIP 050102~~ (delete program)

2) Current Program:

BA, Business Administration, CIP 520301 (Jefferson City, Kansas City, Lake of the Ozarks, Rolla, and St. Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BA, Business Administration, CIP 520301~~ (delete program)

3) Current Program:

BA, Business Administration, Finance, CIP 520801 (Kansas City, Lake of the Ozarks, Rolla, and St. Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BA, Business Administration, Finance, CIP 520801~~ (delete program)

4) Current Program:

BA, Business Administration, International Business, CIP 521101 (Kansas City, Lake of the Ozarks, St Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BA, Business Administration, International Business, CIP 521101~~ (delete program)

5) Current Program:

BA, Business Administration, Management, CIP 520201 (Rolla, Springfield locations)

Proposed Change:

Delete program

Program as Changed:

~~BA, Business Administration, Management, CIP 520201~~ (delete program)

6) Current Program:

BA, Business Administration, Marketing, CIP 521401 (Kansas City, Springfield, St. Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BA, Business Administration, Marketing, CIP 521401~~ (delete program)

7) Current Program:

BS, Business Administration, Accounting, CIP 520301 (Jefferson City, Kansas City, Lake of the Ozarks, Rolla, St. Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BS, Business Administration, Accounting, CIP 520301~~ (delete program)

8) Current Program:

BS, Business Administration, Finance, CIP 520801 (Kansas City, Lake of the Ozarks, Rolla, St. Louis locations)

Proposed Change:

Delete program

Program as Changed:

~~BS, Business Administration, Finance, CIP 520801~~ (delete program)

9) Current Program:

BS, Business Administration, International Business, CIP 521101 (Kansas City, Lake of the Ozarks, St. Louis locations)

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Business Administration, International Business, CIP 521101~~ (delete program)

10) Current Program:  
BS, Business Administration, Management, CIP 520201 (Rolla and Springfield locations)

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Business Administration, Management, CIP 520201~~ (delete program)

11) Current Program:  
BS, Business Administration, Marketing, CIP 521401 (Kansas City, Springfield, St. Louis locations)

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Business Administration, Marketing, CIP 521401~~ (delete program)

12) Current Program:  
C1, Marketing, Management, CIP 521401 (Kansas City location)

Proposed Change:  
Delete program

Program as Changed:  
~~C1, Marketing, Management, CIP 521401~~ (delete program)

13) Current Program:  
AA, Associate in Arts, CIP 240102

Proposed Change:  
CIP code change

Program as Changed:  
AA, Associate in Arts, CIP 240101 (CIP code change)

## **Drury University**

- 1) Current Program:  
MBA, Business Administration, CIP 520201

Proposed Change:  
Addition of certificate program developed from approved existing parent degree

Program as Changed:  
MBA, Business Administration, CIP 520201  
C1, Cyber Security Leadership Certificate, CIP 111003

## **Fontbonne University**

- 1) Current Program:  
MACC, Master of Accountancy, CIP 520301

Proposed Change:  
Delete program

Program as Changed:  
~~MACC, Master of Accountancy, CIP 520301~~ (delete program)

- 2) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Administration and Economic Development, CIP 440799 (add certificate)

- 3) Current Program:  
BA, Advertising, CIP 090903

Proposed Change:  
Delete program

Program as Changed:  
~~BA, Advertising, CIP 090903~~ (delete program)

- 4) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:

C0, Case Management, CIP 440799

- 5) Current Program:  
MA, Family and Consumer Sciences, CIP 131308  
Child and Family Studies

Proposed Change:  
Delete option

Program as Changed:  
MA, Family and Consumer Sciences, CIP 131308  
~~Child and Family Studies~~ (delete option)

- 6) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Expressive Arts & Integrative Therapies, CIP 440799 (add certificate)

- 7) Current Program:  
BS, Family & Consumer Sciences Education, CIP 131308

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Family & Consumer Sciences Education, CIP 131308~~ (delete program)

- 8) Current Program:  
MAT, Family & Consumer Sciences, CIP 131308

Proposed Change:  
Delete program

Program as Changed:  
~~MAT, Family & Consumer Sciences, CIP 131308~~ (delete program)

- 9) Current Program:  
BS, Family & Consumer Sciences, CIP 131308

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Family & Consumer Sciences, CIP 131308~~ (delete program)

10) Current Program:  
BS, Family Policy & Advocacy, CIP 190707

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Family Policy & Advocacy, CIP 190707~~ (delete program)

11) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Gerontology, CIP 440799 (add certificate)

12) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Health and Mental Health Case Management, CIP 470799 (add certificate)

13) Current Program:  
MBA, Business Administration, CIP 520301

Proposed Change:  
Options added

Program as Changed:  
MBA, Business Administration, CIP 520301  
Accounting (add option)

### **Maryville University**

1) Current Program:  
BS, Accounting Systems and Forensics, CIP 520399  
Proposed Change:  
Title change

Program as Changed:  
BS, Accounting Information Systems, CIP 520399 (title change)

- 2) Current Program:  
BS, Rehabilitation Services, CIP 512310

Proposed Change:  
Delete program

Program as Changed:  
~~BS, Rehabilitation Services, CIP 512310~~ (delete program)

### **Park University**

- 1) Current Program:  
MBA, Business Administration, CIP 520201  
MHA, Healthcare Administration, CIP 510706

Proposed Change:  
Options added

Program as Changed:  
MBA, Business Administration, CIP 520201  
Project Management (add option)  
MHA, Healthcare Administration, CIP 510706  
Project Management (add option)

- 2) Current Program:  
MBA, Business Administration, CIP 520201  
MHA, Healthcare Administration, CIP 510706

Proposed Change:  
Addition of certificate program developed from approved existing parent degree

Program as Changed:  
GRCT, Project Management Certificate, CIP 520211 (add certificate)

- 3) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Management Accounting Certificate, CIP 520305 (add certificate)

- 4) Current Program:

n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Quality Management, CIP 520205 (add certificate)

- 5) Current Program:  
MBA, Business Administration, CIP 520201

Proposed Change:  
Options added

Program as Changed:  
MBA, Business Administration, CIP 520201  
Management Accounting (add option)

- 6) Current Program:  
MEd, Educational Leadership and Administration, 130401  
(Gateway High School, Sekman Senior High School, Westminster Christian Academy)

Proposed Change:  
Inactivate program

Program as Changed:  
~~MEd, Educational Leadership and Administration, 130401 (Gateway High School, Sekman Senior High School, Westminster Christian Academy)~~ (inactivate)

- 7) Current Program:  
MEd, Teacher Education and Professional Development, 131299 (Gateway, Sekman Senior High School, Westminster)

Proposed Change:  
Inactivate program

Program as Changed:  
~~MEd, Teacher Education and Professional Development, 131299 (Gateway, Sekman Senior High School, Westminster)~~ (inactivate)

- 8) Current Program:  
BA, Communication Arts, CIP 090101  
Broadcasting  
Journalism  
Photojournalism  
Public Relations

Proposed Change:

Combination program created out of closely allied existing programs, delete program

Program as Changed:

BA, Multimedia Journalism and Public Relations, CIP 090702 (combination program)

BA, Communication Studies, CIP 090101 (combination program)

~~BA, Communication Arts, CIP 090101 (delete program)~~

~~Broadcasting~~

~~Journalism~~

~~Photojournalism~~

~~Public Relations~~

9) Current Program:

BSEd, Early Childhood Education and Leadership, CIP 139999 (Kansas City, Independence, and Online)

Proposed Change:

Delete program

Program as Changed:

~~BSEd, Early Childhood Education and Leadership, CIP 139999 (Kansas City, Independence, and Online) (delete program)~~

10) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Skilled Helper (Adult), CIP 190709 (main and online) (add certificate)

C0, Skilled Helper (Pre-Adult), CIP 190702 (main and online) (add certificate)

11) Current Program:

n/a

Proposed Change:

Addition of free-standing single-semester certificate program

Program as Changed:

C0, Geographic Information Systems, CIP 450702 (main and online) (add certificate)

12) Current Program:

n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Global Communications, CIP 090907 (main and online) (add certificate)

13) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Human Resources, CIP 521001 (main and online) (add certificate)

14) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Industrial Organizational Psychology, CIP 422804 (main and online) (add certificate)

15) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
C0, Methodology, CIP 450102 (main and online) (add certificate)

16) Current Program:  
MEd, Master of Education (Kansas City and online)

Proposed Change:  
Add options

Program as Changed:  
MEd, Master of Education (Kansas City and online)  
MEd, Master of Education-Urban Education, CIP 130410 (add option)  
MEd, Master of Education-Education Technology, CIP 130501 (add option)

17) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Human Resources Management, CIP 450102 (Kansas City and online) (add certificate)

18) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Management Accounting, CIP 520305 (Kansas City and online) (add certificate)

19) Current Program:  
n/a

Proposed Change:  
Addition of free-standing single-semester certificate program

Program as Changed:  
GRCT, Quality Management, CIP 520205 (main and online) (add certificate)

20) Current Program:  
MHA, Healthcare Administration (Kansas City and online)

Proposed Change:  
Add options

Program as Changed:  
MHA, Healthcare Administration (Kansas City and online)  
MHA, Healthcare Administration-International Business, CIP 512210 (add option)  
MHA, Healthcare Administration-Management Information System, CIP 510706 (add option)  
MHA, Healthcare Administration-Finance, CIP 512211 (add option)  
MHA, Healthcare Administration-Human Resource Management, CIP 512211 (add option)  
MHA, Healthcare Administration-Management Accounting, CIP 510701 (add option)  
MHA, Healthcare Administration-Quality Management, CIP 510701 (add option)

21) Current Program:  
AS(N), Nursing (Accelerated LPN-RN Bridge), CIP 513801

Proposed Change:

Delete program

Program as Changed:

~~AS(N), Nursing (Accelerated LPN-RN Bridge), CIP 513801 (delete program)~~

### **Ranken Technical College**

1) Current Program:

C0, Stationary Engineer, CIP 470501

Proposed Change:

CIP code change

Program as Changed:

C0, Stationary Engineer, CIP 479999 (CIP code change)

2) Current Program:

C1, Carpentry Maintenance, CIP 460201

Proposed Change:

Addition of certificate program developed from approved existing parent degree

Program as Changed:

C1, Carpentry Maintenance, CIP 460201

C0, Interior Finish & Bldg Maintenance at MET Center, CIP 460201 (add certificate)

### **Stephens College**

1) Current Program:

BS, Marketing: Public Relations and Advertising, CIP 521499

Proposed Change:

Delete program

Program as Changed:

~~BS, Marketing: Public Relations and Advertising, CIP 521499 (delete program)~~

2) Current Program:

BS, Health Science, CIP 510000

Proposed Change:

Options added

Program as Changed:

BS, Health Science, CIP 510000

Health Science (add option)

Generalist (add option)

HS-Healthcare Management (add option)

- HS Pre-Chiropractic (add option)
- HS Pre-Occ Therapy (add option)
- HS Pre-Physician Assistant (add option)
- HS Pre-Physical Therapy (add option)

### **Program Changes Requested and Not Approved**

No actions of this type have been taken since the last board meeting.

### **New Programs Recommended for Provisional Approval (Public Institutions)**

#### **East Central College**

- 1) AAS, Certificate, Business, CIP 521801 (for delivery Rolla North, 2303 North Bishop Avenue, Rolla, MO 65401)
- 2) AAS, Certificate, Computer Information Systems, CIP 110901 (for delivery Rolla North)
- 3) AAS, C1, Heating, Ventilation, Air Conditioning and Refrigeration, CIP 470201 (for delivery Business and Industry Center, 42 Prairie Dell Plaza Drive, Union, MO 63084)
- 4) AAS, C2, Industrial Engineering Technology, CIP 470399 (for delivery Business and Industry Center)
- 5) C1, Industrial Maintenance, CIP 470399 (for delivery Business and Industry Center)
- 6) AAS, Certificate, Medical Assistant, CIP 510801 (for delivery Rolla North)
- 7) AAS, C1, C2, Precision Machining Technology, CIP 480501 (for delivery Business and Industry Center)
- 8) C1, Precision Machining Technology w/CNC Machining, CIP 480501 (for delivery Business and Industry Center)

#### **Missouri State University**

- 1) BS, Criminology, CIP 450401 (for delivery MSU-West Plains, ITV, online)
- 2) BS, Music, CIP 500901 (for delivery main)
- 3) MS, Agriculture, CIP 010000 (for delivery main)

#### **Missouri State University-West Plains**

- 1) C1, Health Information Technology, Medical Administrative Office Assistant, CIP 510710 (for delivery main)
- 2) C1, Health Information Technology, Electronic Health Records Specialist, CIP 510709 (for delivery main)
- 3) C2, Technical Certificate, Pre-Nursing (for delivery main)
- 4) AAS, Culinary and Hospital Management, CIP 120504 (for delivery main)

#### **Northwest Missouri State University**

- 1) C0, Professional Writing Certificate, CIP 231301 (for delivery main, online)
- 2) GRCT, Teaching English to Speakers of Other Languages, CIP 131401 (for delivery main, online)
- 3) BSEd, Early Childhood Education, CIP 131210 (for delivery main, Northwest Kansas City Center)
- 4) MA, Teaching English to Speakers of Other Languages, CIP 131401 (for delivery main, online)

**Ozarks Technical Community College**

- 1) AS, Pre-Pharmacy, CIP 512001 (for delivery main)

**Saint Louis Community College**

- 1) AAS, Surgical Technology, CIP 510909 (for delivery main)

**Southeast Missouri State University**

- 1) BS, Geographic Information Science, CIP 450102 (for delivery main)

**Three Rivers Community College**

- 1) AAS, Industrial Technology-Welding, CIP 470303 (for delivery Poplar Bluff Technical Career Center)
- 2) C1, Maintenance Welding, CIP 480508 (for delivery Poplar Bluff Technical Career Center)
- 3) C1, Manufacturing Welding, CIP 480508 (for delivery Poplar Bluff Technical Career Center)

**Truman State University**

- 1) BA, BS, Statistics, CIP 270501 (for delivery main)

**University of Missouri-Columbia**

- 1) MS, Applied Behavior Analysis, CIP 422814 (for delivery main)

**University of Missouri-Kansas City**

- 1) BA, Film and Media Arts, CIP 500602 (for delivery main)

**New Residence Sites Recommended for Provisional Approval****University of Missouri-Columbia**

School of Medicine-Springfield Clinical Campus  
1845 S. National Ave.  
Springfield, Missouri 65804

**New Programs Received and Reviewed (Independent Colleges and Universities)****Columbia College**

- 1) AS, Fire Service Administration, CIP (main-Evening, Moberly, Christian County, Lake of the Ozarks, St. Louis, Kansas City, Jefferson City, Rolla)
- 2) BS, Business Administration-Human Resource Management, CIP 521001 (for delivery main, Fort Leonard Wood, Jefferson City, St. Louis)
- 3) BA, Business Administration-Human Resource Management, CIP 521001 (for delivery St. Louis, Fort Leonard Wood, Jefferson City, online)

**Lindenwood University**

- 1) BA, MA, Initial Teacher Certification, CIP 131202 (for delivery Gateway Science Academy-3 campuses: Elementary 6576 Smiley Ave., St. Louis, MO 63139; Middle and

High School 5049 Fuler Ave, St. Louis, MO 63139; South 6651 Gravois Ave, St. Louis, MO 63116)

- 2) BA, Music Business, CIP 501003 (for delivery main)
- 3) BS, Criminal Justice, CIP 430104 (for delivery Old Post Office, 815 Olive Street, St. Louis, MO 63101)
- 4) MA, Education, CIP 131399 (for delivery Forsyth School District Administrative Offices, 178 Panther Street, Forsyth, MO 65653-0187; Hollister School District Administration Office, 1014 State Hwy BB, Hollister, MO 65672; Northwest School District, Woodridge Middle School, 2109 Gravois Rd, High Ridge, MO 63049)
- 5) MA, Education, CIP 131299 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 6) MA, School Administration, CIP 130408 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 7) MA, School Administration, CIP 130408 (for delivery Carrollton School District Administrative Offices, 103 E. 9<sup>th</sup> Street, Carrollton, MO 64633)
- 8) MA, School Administration-Initial Principal Certification, CIP 130409 (for delivery Carrollton School District Administrative Offices, 103 E. 9<sup>th</sup> Street, Carrollton, MO 64633)
- 9) MA, School Administration-Initial Principal Certification, CIP 130409 (for delivery Neosho School District Administration Office, 511 Neosho Blvd, Neosho, MO 64850)
- 10) MA, School Counseling, CIP 131101 (for delivery Neosho School District Administration Office, 511 Neosho Blvd, Neosho, MO 64850; West Plains School District, South Central Career Center, 407 Thornburg St., West Plains, MO 65885)
- 11) MA, School Administration-Initial Principal Certification, CIP 130409 (Willard School District Administrative Offices, 515 E. Jackson, Willard, MO 65781-7233)
- 12) MA, Education, CIP 130408 (Willard School District Administrative Offices, 515 E. Jackson, Willard, MO 65781-7233)
- 13) MBA, Business Administration, CIP 520201 (for delivery Old Post Office, 815 Olive Street, St. Louis, MO 63101)
- 14) MS, Criminal Justice, CIP 430103 (for delivery Old Post Office, 815 Olive Street, St. Louis, MO 63101)
- 15) MS, Managing Information Security (Trimester Hybrid Program), CIP 111003 (for delivery Old Post Office)
- 16) EDSp, School Administration, CIP 130409 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 17) EdSp, Instructional Leadership (PK-12), CIP 130401 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 18) EdSp, Education Administration-Superintendent Certification, CIP 130411 (for delivery Ozarks Technical Community College-Richwood Valley Campus)

- 19) EDSp, Education Administration-Superintendent Certification, CIP 130411 (for delivery Washington School District Administrative Offices)
- 20) EDSp, Instructional Leadership, CIP 130401 (for delivery Washington School District Administrative Offices)
- 21) EdD, Education Administration-Superintendent Certification, CIP 130411 (for delivery Neosho School District Administration Office, 511 Neosho Blvd, Neosho, MO 64850)
- 22) EdD, Education Administration, CIP 130411 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 23) EdD, Instructional Leadership (PK-12), CIP 130401 (for delivery Ozarks Technical Community College-Richwood Valley Campus)
- 24) EdD, Education Administration, CIP 130411 (for delivery at main and South County Site, 12224 Tesson Ferry Rd, Suite 200, St. Louis, MO 63128; West Plains School District, South Central Career Center, 407 Thornburg, West Plains, MO 65885)
- 25) EdD, Instructional Leadership, CIP 130401 (for delivery at main and South County Site; West Plains School District, South Central Career Center, 407 Thornburg, West Plains, MO 65885)
- 26) EdD, Education Administration-Superintendent Certification, CIP 130411 (for delivery Poplar Bluff District Administrative Offices, 1110 N. Westwood Blvd, Poplar Bluff, MO 63901-3336)
- 27) EdD, Instructional Leadership, CIP 130401 (for delivery Poplar Bluff District Administrative Offices, 1110 N. Westwood Blvd, Poplar Bluff, MO 63901-3336)

### **Maryville University**

- 1) MS, Business Data Analytics, CIP 521302 (for delivery main and online)

### **Park University**

- 1) BS, Information Systems, CIP 110103 (for delivery main and online)
- 2) BS, Geography, CIP 450701 (for delivery Ft. Leonard Wood, Truman Education Center, 4904 Constitution Avenue, Building 499, Suite 33, Ft. Leonard Wood, MO and online)

### **Stephens College**

- 1) Master of Physician Assistant Studies, CIP 510912 (for delivery main)

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Missouri Higher Education System Review  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

In June the Coordinating Board directed the Department of Higher Education to conduct a systematic review of the state's system of higher education, which included the establishment of a task force and defined its scope of work. This agenda item provides an update on progress since the June meeting.

### **Background**

The Coordinating Board's statutory authority for system coordination and mission review are well established and were described in some detail in the June agenda item. In addition, the recently-completed *Blueprint for Higher Education* envisions a comprehensive study of Missouri higher education and recommended the state improve both the efficiency and effectiveness of its education system.

### **System Review Task Force**

The Higher Education System Task Force met on July 14, 2016, in Jefferson City (see Attachment A for the roster of Task Force members). At the meeting, Dr. Rusty Monhollon, Assistant Commissioner for Academic Affairs and Task Force Chair, reviewed the Task Force's purpose, objectives, and charge, as well as the CBHE's goals for the review.

The Task Force held a lengthy discussion on a range of issues, the most significant of which was the use of an external consultant. About the same time the department had finalized a contract with the National Center for Higher Education Management Systems (NCHEMS) the governor restricted funds the General Assembly had appropriated to the MDHE to hire an external consultant and to conduct this review. Task Force members generally agreed that there were many advantages to having well-respected experts play a major role in the review, and that it was important to find the funds to do this work. The Task Force also walked through an overview of Missouri's higher education system, discussed relevant statutes, rules, policies, and priorities that need to be examined

In response, the Chief Academic Officers from the Council on Public Higher Education, the Missouri Community College Association, and the MDHE agreed to contribute funds for the purpose of hiring NCHEMS to assist with the review. While the currently committed funding will only complete a portion of the work originally envisioned for the consultants, the revised work plan continues to put this process on a reasonable timeline for completion by the previously established deadlines. MDHE staff has also explored other options for funding this project, including contacts with several non-profit grant organizations.

Coordinating Board for Higher Education  
September 8, 2016

With the engagement of NCHEMS as consultants, Commissioner of Higher Education Zora Mulligan, Deputy Commissioner Leroy Wade, and Dr. Monhollon met with Dennis Jones and Aims McGuinness from NCHEMS on Aug. 26, 2016 to discuss the scope of NCHEMS' participation in the project. Planning is currently underway for the next meeting of the task force in late September, which will include participation and facilitation by NCHEMS staff.

### **Conclusion**

The Higher Education System Review is a major undertaking by the Coordinating Board, MDHE staff, and the higher education community in Missouri. Given the rapid changes in the higher education environment, both from a state and national perspective, it is an essential task if Missouri is to be a national leader in providing high quality postsecondary education that will equip Missourians with the personal and professional skills to succeed in the 21<sup>st</sup> century.

### **STATUTORY REFERENCE**

Section 173.005 – Department of Higher Education created, Coordinating Board duties

Section 173.020 – Responsibilities of the Coordinating Board

Section 173.030 – Additional Responsibilities

### **RECOMMENDED ACTION**

This is an information item only.

### **ATTACHMENT(S)**

Attachment A: Higher Education System Review Task Force roster

Attachment B: Higher Education System Review Task Force scope of work and charge

<b>Missouri Higher Education System Review Task Force</b>			
<b>First Name</b>	<b>Last Name</b>	<b>Title</b>	<b>Organization</b>
Rusty	Monhollon	Assistant Commissioner for Academic Affairs	Missouri Department of Higher Education
Shawn	Strong	President	State Technical College of Missouri
Joanna	Anderson	President	State Fair Community College
Jon	Bauer	President	East Central College
Mark	James	Chancellor	Metropolitan Community College
Jeff	Jochems	President	Ozarks Technical Community College-Table Rock
Jennifer	Methvin	President	Crowder College
Jeff	Pittman	Chancellor	St. Louis Community College
Steve	Kurtz	President	Mineral Area College
Chuck	Ambrose	President	University of Central Missouri
Clif	Smart	President	Missouri State University
Carlos	Vargas	President	Southeast Missouri State University
Steve	Graham	Senior Associate Vice President for Academic Affairs	University of Missouri System
Doug	Davenport	Associate Provost for Research and Planning	Missouri Western State University
Dwyane	Smith	Vice President for Academic Affairs	Harris-Stowe State University
Barbara	Bichelmeyer	Provost	University of Missouri-Kansas City
<b>Additional Attendees at July 14, 2016 meeting</b>			
Leroy	Wade	Interim Commissioner of Higher Education	Missouri Department of Higher Education
Angelette	Prichett	Research Associate	Missouri Department of Higher Education
Rob	Dixon	Executive Director	Missouri Community College Association
Paul	Wagner	Executive Director	Council on Public Higher Education
Bill	Gamble	Executive Director	Independent Colleges and Universities of Missouri
Kevin	Gwaltney	Executive Director	Joint Committee on Education
Reilly	Manz	Intern	Gamble and Schlemeier
Ryan	DeBoef	Chief of Staff	Missouri State University
Deborah	Curtis	Provost	University of Central Missouri
Gary	Romine	Senator	Missouri General Assembly
Chris	Martin	Director of Corporate Relations	Southeast Missouri State University

Missouri Higher Education System Review Task Force  
Scope of Work and Charge

According to Missouri statutes, the review of institutional missions should “be based upon the needs of the citizens of the state as well as the requirements of business, industry, the professions and government. The purpose of this review is to ensure that Missouri's system of higher education is responsive to the state's needs and is focused, balanced, cost-effective, and characterized by programs of high quality as demonstrated by student performance and program outcomes.” The Speaker of the House and Chair of the House Higher Education Committee requested the Coordinating Board conduct a review of and develop recommendations about the “overall structure of public two- and four-year institutions, varying institutional missions, and degree review and approval processes.”

Based on these directives, this discussion cannot be limited to process issues related to the approval of academic programs by the Coordinating Board. Instead, it must address the context and framework for Coordinating Board decisions regarding new and revised programs at public institutions if it is to provide meaningful guidance for the future. Consequently, MDHE staff recommended and the Coordinating Board approved the following charge for the Task Force.

1. Conduct a systematic and thorough review of the overall structure of Missouri’s system of higher education, which will include but not be limited to institutional missions, admissions selectivity, academic program review and approval, and geographic service regions.
2. Conduct a review of the demand for and supply of postsecondary education including occupational, geographic and student perspectives.
3. Assess the relevance and functionality of the Coordinating Board’s current mission approval structure and recommend changes to or replacement of that model.
4. Recommend revisions to the Coordinating Board policies both as they relate to future mission reviews and for program approval.
5. Recommend statutory changes as needed to enable the implementation of the revised system of institutional missions and program approval processes.

## AGENDA ITEM SUMMARY

### AGENDA ITEM

Performance Funding Update  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

MDHE staff continues to work with the institutions to implement past recommendations of the Coordinating Board and statutory requirements pertaining to performance funding. The intent of this agenda item is to provide an update on performance funding implementation, particularly regarding changes to developmental education measures in the two-year sector, and the pilot collection of graduate outcomes data.

### Two-Year Sector Performance Measure Changes

At its April 2016 meeting, the Coordinating Board approved a menu of options which the community colleges and Missouri State University – West Plains could choose from in order to replace two measures focused on developmental education. (State Technical College reports a different set of measures.) The institutions have worked in close collaboration with the MDHE to move more students from remediation into college-level coursework, and this has impacted the cohort of students included in performance funding measures focused on developmental student success. The institutions believe, and the MDHE agrees, that policy and programmatic changes in developmental education and the current performance funding framework were potentially pulling in different directions, and that changes to the framework outside the normal three-year review schedule were justified.

A Developmental Education Task Force was convened with representation from the MDHE, the Missouri Community College Association, and the National Community College Benchmark Project, and a menu of replacements for the developmental education measures were proposed to and approved by the CBHE. The institutions may choose to replace one or both of the old measures at any time in the next three years, but the developmental education measures will sunset no later than the fall 2019 / FY2021 performance funding cycle. The new approved measures are as follows:

1. a.) Fall to fall persistence or  
b.) Fall to spring persistence (pick one)
2. a.) Successful completion of all credit hours or  
b.) All college-level course enrollee success rate (pick one)
3. All student performance on gateway math course(s)
4. All student performance on gateway English course(s)
5. All developmental-level course enrollee success rate

Following approval of the new measures, the institutions were asked to verify which if any they would adopt for the fall 2016 / FY2018 performance funding cycle, and which of the current measures they would be replacing. Their responses were as follows:

	<b>Dev. Math Success</b>	<b>Dev. English Success</b>
<b>Crowder College</b>	No Change	2A
<b>East Central College</b>	No Change	2B
<b>Jefferson College</b>	No Change	2A
<b>Metropolitan Community College</b>	1B	No Change
<b>Mineral Area College</b>	No Change	No Change
<b>Missouri State University - West Plains</b>	No Change	No Change
<b>Moberly Area Community College</b>	No Change	No Change
<b>North Central Missouri College</b>	2A	4
<b>Ozarks Technical Community College</b>	1B	2B
<b>St Charles Community College</b>	2A	5
<b>St Louis Community College</b>	No Change	No Change
<b>State Fair Community College</b>	2B	4
<b>Three Rivers Community College</b>	No Change	No Change

MDHE staff will continue to work with the institutions to develop reporting templates for the new measures, and with the institutions and the National Community College Benchmark Project to ensure benchmarks are available for sustained excellence. No major obstacles are expected for implementation in the upcoming performance funding cycle.

### **Graduate Outcomes**

Senate Bill 492 (2014), which codified the current performance funding model, required a new performance metric linked to job placement and continuing education. This measure, commonly referred to as the “sixth measure”, led to extensive discussions within and between sectors regarding the most meaningful and realistic approaches to measurement and reporting. MCCA and COPHE have discussed strengths and weaknesses of various approaches internally and with MDHE staff, and are prepared to pilot data collection for inclusion in the fall 2016 / FY2018 performance funding cycle.

As reported to the Coordinating Board at its April meeting, the four-year institutions will administer the “First-Destination Survey” developed and published by the National Association of Colleges and Employers (NACE). The survey collects data on several outcome statuses, including employment, voluntary and military service, and continuing education. COPHE institutions plan to administer the survey to spring 2016 graduates (associate and baccalaureate) and in all terms thereafter.

MDHE staff held a webinar with institutional research staff on June 27, and has been in periodic communication thereafter to ensure that the institutions are moving forward with the NACE

survey or a comparable instrument. After some discussion with and feedback from the institutions, MDHE staff has set Jan. 15, 2016 as a deadline for reporting of graduate outcomes data. This deadline, while later than that for other performance funding measures, will allow the institutions to complete a full collection cycle as prescribed by NACE, and ensure comparability with national data. Some further discussion will be required regarding reporting timelines in future years, but the current cycle will provide pilot data only, so a later deadline will not interfere with the state's budget cycle.

The community colleges have previously presented an approach to graduate outcomes to the Coordinating Board that would use their existing federal Perkins/180-day follow-up survey, the National Student Clearinghouse, and state wage records, with the assistance of MDHE staff, to account for effectively all certificate and associate's degree completers. MDHE, community college, and MCCA staff have since had further discussions, and have since come to a fairly specific understanding of which students would be covered by which approach and which would be considered successful. MDHE staff has previously had general discussions with Missouri State University – West Plains about a two-tiered approach (MSU – West Plains has just begun receiving Perkins funding for 2016-17, but could mirror Clearinghouse and wage analysis with MDHE assistance). State Technical College currently has a measure based on federal Perkins/180-day follow-up survey data which effectively includes all graduates. State Technical College plans to employ the same measure as its outcomes measure when the other sectors have implemented, and to replace it with a measure of assessment of general education.

MDHE staff has been less engaged with the two-year institutions on this measure in recent months, since their approach is largely based on current processes and administrative data, so should generally require less front work than the four-year approach (at least for institutions not already administering the NACE survey). MDHE staff anticipates no major issues in collecting pilot data from the two-year sector in the upcoming performance funding cycle, however, especially if their timetable is adjusted to continue to align with the four-year institutions.

MDHE staff will continue to work with staff at the four-year institutions, community colleges, MSU – West Plains, and State Technical College regarding reporting timelines and templates for the graduate outcomes measure. Some further discussion will also be required regarding success criteria and acceptable response / knowledge rates, but these decisions are not crucial prior to the collection of pilot data, and in fact a year of data should help inform in future years.

### **Conclusion**

MDHE staff will continue to work with the institutions to implement changes to developmental education measures in the two-year sector, and toward pilot collection of graduate outcomes data in compliance with Senate Bill 492 in the current (fall 2016 / FY2018) performance funding cycle.

**STATUTORY REFERENCES**

163.191, RSMo., State aid to community colleges  
173.1006, RSMo., Establishment of performance measures  
173.1540 RSMo., State aid to four-year institutions  
178.638, RSMo., Oversight of college by coordinating board and state board of education

**RECOMMENDED ACTION**

This is an information item only.

**ATTACHMENT(S)**

None

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

FY18 Recommendations for Public Institutions' Base Operating Appropriations  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

The intent of this agenda item is to outline the budget situation facing Missouri state government and higher education in FY18 and to offer a budget recommendation for consideration by the Coordinating Board.

### **Background**

In each of the latest three fiscal years, Missouri has seen gains in funding for its public higher education institutions, but continues to struggle for adequate funding.

Even as the state continues to make up for the decline in revenue during the recession, general revenue sources remain tight with FY16 revenue increasing by less than one percent over FY15. There are signs of economic growth; most promising was a 4.6 percent growth in individual income tax collections for FY16. Sales tax collections improved slightly with gross collections increasing 3.7 percent over FY15. According to the state budget director, as in years past, forecasters expect wage and business growth to accelerate this year, which has not consistently occurred during the past several years, but caution that continued international geopolitical issues, such as the British exit from the European Union, pose a risk not only to the U.S. economy but to Missouri as well. At this time, the state is anticipating modest growth in general revenue collections during FY17. It is important to note, however, that due to lower than expected general revenue growth in FY16, net general revenue collections would need to grow by about 6.1 percent to fund FY17 appropriated spending levels.

The overall effect to state departments is that we have been instructed to request funding for our core budgets and any necessary core adjustments. In addition to mandatory new decision items, departments may also submit preliminary proposals for high-priority, non-mandatory programs. These high-priority, non-mandatory items will be reviewed with the Governor-elect prior to the Governor's budget submission. Inclusion of new decision items in the October 1 budget submission is contingent upon prior approval granted by the Office of Administration, Division of Budget and Planning. The department worked with the public institutions to compile a list of budget requests that are considered by the agency to be high-priority (located in tab I).

### **Core Operating Budget Recommendation**

Attached to this agenda item is information about the FY18 core funding recommendation for each public college and university. The core appropriation item represents each institution's FY17 core funding level plus the reallocation of the institution's performance funding amount into the core. This results in a total core appropriation request of \$971,189,874, which is

comprised of \$157,769,796 for community colleges, \$6,077,331 for State Technical College of Missouri, and \$807,342,747 for the public four-year universities.

### **Higher Education Initiatives**

In addition to core operating appropriations, a few institutions received additional appropriations for certain initiatives in recent years, which continue in the FY17 budget. While these items remain separate from the respective institutions' core budgets, they are considered on-going items for FY18 rather than new decision items. As a result, the recommendation to continue funding for these items is separate from the core operating budget request:

- \$2,000,000 for the Pharmacy Doctorate Program at Missouri State University in collaboration with the University of Missouri – Kansas City School of Pharmacy
- \$1,000,000 for graduate level engineering education in Clay County through Missouri University of Science and Technology
- \$400,000 for Project Lead the Way in 10 southern Missouri counties through Missouri University of Science and Technology
- \$500,000 for a Cyber Security Training Program at Southeast Missouri State University
- \$5,000,000 for Tier I Safety Net Hospitals in western and central Missouri to provide medical resident training in conjunction with medical schools at state higher education institutions
- \$500,000 for graduate and STEM education programs at Harris-Stowe State University
- \$10,000,000 for the purpose of increasing the medical student class size at the University of Missouri in Columbia and to create a Springfield clinical campus in a public-private partnership with Cox Health and Mercy Springfield
- \$3,000,000 for the purpose of funding a satellite dental program at Missouri Southern State University in collaboration with the University of Missouri – Kansas City School of Dentistry
- \$1,000,000 to provide autism services and related training at Truman State University
- \$2,000,000 for the purpose of funding engineering expansion in a collaboration between Missouri State University and Missouri University of Science and Technology

### **High-Priority Budget Requests for Consideration**

Although additional funds may not be available for increased investment, there is still value in taking this annual opportunity to put forward a representation of some of the urgent needs of

Missouri higher education. Accordingly, information on needed funding increases for institutional base operating budgets, as well as other budget items for higher education, will be transmitted to the Governor and General Assembly separately from the formal request that includes no requests for increased funding. The components of this submission are described in Tab G.

### **Conclusion**

With the state facing continued fiscal challenges and the national and state economies continuing a modest pace of recovery, higher education institutions are committed to continuing to seek ways to operate more efficiently. However, the ability to accommodate enrollment trends and provide affordable quality programs and services cannot be maintained indefinitely with existing or reduced resources.

The formal request for FY18 adheres to the conditions set forth by the State Budget Director; however, a secondary set of additional recommendations has been developed and will be communicated so that policy makers, specifically the incoming administration, are aware that additional investment in higher education is needed in order to maintain quality programs and services, keep tuition rates low and meet the urgent challenges of human development and workforce preparation for the new global economy. This approach will provide elected officials with important context and background about higher education's pressing needs when new funding becomes available.

### **STATUTORY REFERENCE**

Section 163.191, RSMo, CBHE statutory responsibility to develop an appropriations request for community colleges

Sections 173.005.2(2), 173.030(3), and 173.040(5), RSMo, CBHE statutory responsibility to establish guidelines for appropriations requests and to recommend a budget for each state-supported university

Section 173.005.2(7), RSMo, CBHE statutory responsibility for gathering data from state-supported institutions

### **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board approve the FY18 request for Higher Education Initiatives totaling \$25,400,000 and a core institutional appropriation request totaling \$971,189,874 for submission to the Governor and General Assembly.**

### **ATTACHMENT(S)**

FY18 Institutional Core Budget Request

**Higher Education Institutions' FY18 Core Budget  
Staff Recommendation**

Institution	FY17 Funding			FY18 Request	Fall 2015 Headcount	Fall 2015 FTE
	Core TAFP	Performance Funding	FY17 Total Appropriation	FY18 Core Request		
Community Colleges	\$ 151,874,958	\$ 5,894,838	\$ 157,769,796	\$ 157,769,796	90,240	57,247
State Technical College of Missouri	\$ 5,857,971	\$ 219,360	\$ 6,077,331	\$ 6,077,331	1,274	1,273
University of Central Missouri	\$ 57,399,456	\$ 2,313,024	\$ 59,712,480	\$ 59,712,480	14,395	10,985
Southeast Missouri State University	\$ 47,307,674	\$ 2,010,424	\$ 49,318,098	\$ 49,318,098	11,786	9,233
Missouri State University	\$ 87,826,944	\$ 3,822,572	\$ 91,649,516	\$ 91,649,516	24,238	18,614
Lincoln University	\$ 18,400,792	\$ 687,332	\$ 19,088,124	\$ 19,088,124	2,945	2,301
Lincoln University Land Grant Match*	\$ 2,000,000	\$ -	\$ 2,000,000	\$ 2,000,000	-	-
Truman State University	\$ 43,110,124	\$ 1,571,549	\$ 44,681,673	\$ 44,681,673	6,196	5,488
Northwest Missouri State University	\$ 32,223,806	\$ 947,751	\$ 33,171,557	\$ 33,171,557	6,592	5,550
Missouri Southern State University	\$ 24,415,963	\$ 893,094	\$ 25,309,057	\$ 25,309,057	5,783	4,561
Missouri Western State University	\$ 22,523,461	\$ 824,621	\$ 23,348,082	\$ 23,348,082	5,530	4,152
Harris-Stowe State University	\$ 10,319,388	\$ 77,601	\$ 10,396,989	\$ 10,396,989	1,390	1,136
University of Missouri*	\$ 431,236,572	\$ 17,930,599	\$ 449,167,171	\$ 448,667,171	77,731	59,807
<b>Subtotals</b>	<b>\$ 934,497,109</b>	<b>\$ 37,192,765</b>	<b>\$ 971,689,874</b>	<b>\$ 971,189,874</b>	<b>248,100</b>	<b>180,347</b>

\*FY18 Core Request excludes \$500,000 one-time funding for the Veterinary College on the Columbia Campus

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

FY18 Capital Improvements Recommendations  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

During the recent past, state funding for new higher education capital projects has been a rare occurrence; however, during the 2015 and 2016 legislative sessions, interest in funding these much-needed projects has been renewed. While many of these projects will require a multi-year commitment, we are hopeful that the interest in funding institutions' capital needs will continue to grow.

The intent of this agenda item is to provide the board with staff recommendations for lists of the most pressing of capital improvement needs – one for four-year institutions and State Technical College of Missouri and the other for community colleges.

### **Background**

During the past decade, the vast majority of capital improvement projects have been funded by specialized sources – i.e. the Lewis and Clark Discovery Initiative and the American Recovery and Reinvestment Act. However, these funds are no longer available and new funding sources have been scarce.

The legislature recently has shown greater interest in funding capital improvements, and the guidelines for approving projects were updated at the CBHE meeting on Sept. 4, 2014. As a result of this changing climate and based on the comments received during the review process, the department resumed the ranking of top priorities in FY15 and has continued that process for the FY18 budget process.

### **Process**

The MDHE evaluation process for capital projects focuses solely on each institution's top priority for FY18. There are many capital projects beyond these priorities that are worthy of state funding and would represent wise investments. However, given the fiscal realities which continue to face the state, MDHE staff recommends the CBHE only consider a recommendation to fund top priority projects for FY18.

Top priority projects for inclusion in the FY18 budget are presented in two separate lists – one for each sector (Attachments B and C) – that include the top priority of each public institution of higher education. State Technical College of Missouri is included with the universities because its governance and funding structures are consistent with that sector.

Coordinating Board for Higher Education  
September 8, 2016

## **Other Priorities**

### **FY15 and FY17 Projects Approved by Legislature**

The funds to initiate several capital improvements projects approved by the legislature for higher education were vetoed or restricted in FY15 and FY17. Projects on the restricted list that are not funded and/or completed should be given top priority for reappropriation in FY18.

### **Engineering Equipment Expenses**

The University of Missouri is also required by statute (Section 172.287, RSMo.) to annually request matching funds for engineering equipment expenses. The amount of this request is dictated by the statute. Because this request is of a fundamentally different nature than the higher education capital projects, it also is not prioritized among the capital projects, but is submitted to the Governor and General Assembly (Attachment D).

### **Higher Education Capital Improvements Matching Fund**

Several institutions have applied for funding from the Higher Education Capital Fund established by the Missouri General Assembly during the 2012 legislative session. Additional information regarding these projects can be found under that agenda item.

## **Conclusion**

In this budget recommendation, MDHE staff has attempted to apply existing policy guidelines to the capital projects submitted for consideration in a straightforward manner. The staff is confident that the recommended priorities are valid in terms of consistency with existing Board policy and reflect sorely needed and worthy investments of state resources.

## **STATUTORY REFERENCE**

Section 163.191, RSMo., State aid to community colleges

Chapter 33.220, RSMo., Submission of annual appropriation requests

Section 173.020, RSMo., CBHE statutory responsibility to plan systematically for the state higher education system

Chapter 173.480, RSMo., Department of Higher Education, Higher Education Capital Fund

## **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board approve the FY16 Capital Improvement Priorities and Statewide Issues lists.**

## **ATTACHMENT(S)**

- Attachment A: FY15 & FY17 Capital Improvement Priorities Vetoed or Restricted
- Attachment B: Capital Improvement Priorities – Community Colleges
- Attachment C: Capital Improvement Priorities – Universities and State Technical College of Missouri
- Attachment D: Capital Improvement Priorities – Statewide Issues and Statutorily Required Request

**COORDINATING BOARD FOR HIGHER EDUCATION  
Vetoed and Restricted Appropriations**

<b>Site Location/Facility</b>	<b>Fund Source</b>	<b>Fiscal Year</b>	<b>Appropriation</b>	<b>Restricted</b>	<b>Vetoed</b>
<u>HARRIS-STOWE STATE UNIVERSITY</u>					
Vashon Community Center	HECF	FY 2015	\$1,000,000		\$1,000,000
<u>LINCOLN UNIVERSITY</u>					
Campus Recreation Center	HECF	FY 2015	\$2,800,000		\$2,800,000
<u>MISSOURI STATE UNIVERSITY</u>					
Ozarks Health and Life Science Center	BPB	FY 2015	\$40,000,000	\$40,000,000	
<u>UNIVERSITY OF MISSOURI – COLUMBIA</u>					
Fine and Performing Arts Facilities	HECF	FY 2015	\$2,766,000		\$2,766,000
<u>UNIVERSITY OF MISSOURI – COLUMBIA</u>					
Teaching and Research Winery Addition	HECF	FY 2015	\$1,500,000		\$1,500,000
<u>UNIVERSITY OF MISSOURI – KANSAS CITY</u>					
Medical School	BPB	FY 2015	\$19,000,000	\$19,000,000	
<u>CROWDER COLLEGE</u>					
Cassville Campus	HECF	FY 2015	\$375,000		\$375,000
<u>METROPOLITAN COMMUNITY COLLEGE</u>					
Student Success Centers	HECF	FY 2015	\$2,000,000		\$2,000,000
<u>STATE FAIR COMMUNITY COLLEGE</u>					
Automotive and Metal Technology Center	HECF	FY 2015	\$4,175,000		\$4,175,000
<u>THREE RIVERS COMMUNITY COLLEGE</u>					
Eastern Campus	HECF	FY 2015	\$5,666,046		\$5,666,046
<u>UNIVERSITY OF MISSOURI - KANSAS CITY</u>					
Free Enterprise Center	GR	FY 2017	\$7,400,000	\$2,300,000	
<u>UNIVERSITY OF MISSOURI - COLUMBIA</u>					
Applied Learning Center	GR	FY 2017	\$10,000,000	\$5,000,000	
<u>HARRIS-STOWE STATE UNIVERSITY</u>					
Laboratory Space	GR	FY 2017	\$750,000	\$750,000	
<u>LINCOLN UNIVERSITY</u>					
Old St. Mary's Hospital Study	GR	FY 2017	\$200,000	\$200,000	
<u>METROPOLITAN COMMUNITY COLLEGE</u>					
Student Success Centers	GR	FY 2017	\$1,300,000	\$1,300,000	
<u>STATE TECHNICAL COLLEGE OF MISSOURI</u>					
Health Technology Building	GR	FY 2017	\$1,000,000	\$1,000,000	
<u>OZARKS TECHNICAL COMMUNITY COLLEGE</u>					
Republic Campus	GR	FY 2017	\$1,000,000	\$1,000,000	
<u>MISSOURI STATE UNIVERSITY</u>					
Greenwood Laboratory School	GR	FY 2017	\$2,000,000	\$2,000,000	
<u>SOUTHEAST MISSOURI STATE UNIVERSITY</u>					
Grauel Hall	GR	FY 2017	\$2,100,000	\$2,100,000	
<u>TRUMAN STATE UNIVERSITY</u>					
Greenwood School for the Inter-Professional Autism Clinic	GR	FY 2017	\$4,500,000	\$3,000,000	
<b>TOTALS</b>			<b>\$109,532,046</b>	<b>\$77,650,000</b>	<b>\$20,282,046</b>

Note: Fund Source Key - GR=General Revenue; HECF=Higher Education Capital Fund; BPB=Board of Public Building Fund

**COORDINATING BOARD FOR HIGHER EDUCATION**  
**FY 2018 Capital Improvement Priorities**  
**Top Priority for Community Colleges**

<b>Rank</b>	<b>Site Location/Facility</b>	<b>Description</b>	<b>Total Project Cost</b>	<b>Local Match</b>	<b>FY18 Request</b>
1	<u>THREE RIVERS COMMUNITY COLLEGE</u> Crisp Center	Addition and Renovation	\$2,867,400		\$2,867,400
2	<u>STATE FAIR COMMUNITY COLLEGE</u> New Technology Center	New Construction	\$26,843,116		\$26,843,116
3	<u>ST. CHARLES COMMUNITY COLLEGE</u> Health Sciences Building	New Construction	\$35,765,500		\$35,765,500
4	<u>METROPOLITAN COMMUNITY COLLEGE</u> Student Success Centers	Addition and Renovation	\$5,037,500	\$1,350,000	\$3,687,500
5	<u>ST. LOUIS COMMUNITY COLLEGE</u> Cosand Center	New Construction	\$747,000		\$747,000
6	<u>OZARKS TECHNICAL COLLEGE</u> Academic Learning Center - Springfield	New Construction	\$17,521,800	\$2,521,800	\$15,000,000
7	<u>MINERAL AREA COLLEGE</u> Career for Center and Technical Education (Area Vocational School)	New Construction	\$26,743,600		\$26,743,600
8	<u>JEFFERSON COLLEGE</u> Vet Tech Addition and Renovation	Addition and Renovation	\$2,023,227		\$2,023,227
9	<u>MOBERLY AREA COMMUNITY COLLEGE</u> Allied Health Expansion	New Construction	\$4,296,135	\$1,223,564	\$3,072,571
10	<u>EAST CENTRAL</u> Hansen Hall Caulking	Renovation	\$313,800		\$313,800
11	<u>NORTH CENTRAL COLLEGE</u> Student Services Building	New Construction	\$4,438,200		\$4,438,200
<b>TOTALS</b>			<b>\$126,597,278</b>	<b>\$5,095,364</b>	<b>\$121,501,914</b>

\* Crowder College has no new requests this year

**COORDINATING BOARD FOR HIGHER EDUCATION**  
**FY 2018 Capital Improvement Priorities**  
**Top Priority for Universities and State Technical College**

<b>Rank</b>	<b>Site Location/Facility</b>	<b>Description</b>	<b>Total Project Cost</b>	<b>Local Match</b>	<b>FY18 Request</b>
1	<u>TRUMAN STATE UNIVERSITY</u> McClain Hall	Renovation	\$26,073,500	\$1,173,500	\$24,900,000
2	<u>UNIVERSITY OF CENTRAL MISSOURI</u> W.C. Morris Science Building	Renovation	\$20,146,072		\$20,146,072
3	<u>LINCOLN UNIVERSITY</u> Campus-Wide Renovations	Renovation	\$42,587,731		\$42,587,731
4	<u>UNIVERSITY OF MISSOURI – ST. LOUIS</u> Stadler Hall	Renovation	\$25,786,000		\$25,786,000
5	<u>MISSOURI UNIVERSITY OF SCIENCE &amp; TECHNOLOGY</u> Schrenk Hall, Phase III	Addition and Renovation	\$52,244,000		\$52,244,000
6	<u>HARRIS-STOWE STATE UNIVERSITY</u> Science Laboratory	Renovation	\$5,579,918		\$5,579,918
7	<u>SOUTHEAST MISSOURI STATE UNIVERSITY</u> Campus-Wide Renovations	Renovation	\$26,147,237		\$26,147,237
8	<u>MISSOURI WESTERN STATE UNIVERSITY</u> Potter Hall	Addition and Renovation	\$54,962,450		\$54,962,450
9	<u>UNIVERSITY OF MISSOURI – COLUMBIA</u> Waters Hall/Plant Growth Facilities	Renovation and New Construction	\$53,525,000		\$53,525,000
10	<u>MISSOURI SOUTHERN STATE UNIVERSITY</u> Taylor Performing Arts Center Renovation	Renovation	\$15,373,859		\$15,373,859
11	<u>UNIVERSITY OF MISSOURI – KANSAS CITY</u> Spencer Chemistry and Biological Sciences Buildings, Phase II	Renovation	\$36,429,000	\$4,600,000	\$31,829,000
12	<u>MISSOURI STATE UNIVERSITY</u> McDonald Hall	Renovation	\$27,071,278	\$2,461,025	\$24,610,253
13	<u>STATE TECHNICAL COLLEGE OF MISSOURI</u> New Engineering Technology Center	Addition and Renovation	\$21,179,376		\$21,179,376
14	<u>NORTHWEST MISSOURI STATE UNIVERSITY</u> Agricultural Learning Center	New Construction	\$12,172,423	\$549,537	\$11,622,886
<b>TOTALS</b>			<b>\$253,526,908</b>	<b>\$1,173,500</b>	<b>\$252,353,408</b>

**COORDINATING BOARD FOR HIGHER EDUCATION**  
**FY 2018 Capital Improvement Priorities**

<b>Statutorily Mandated Request - Engineering Equipment</b>	State Request	Local Funds	Total
University of Missouri - Columbia	\$558,000	\$558,000	\$1,116,000
University of Missouri - Kansas City	\$100,800	\$100,800	\$201,600
Missouri University of Science and Technology	\$1,107,600	\$1,107,600	\$2,215,200
University of Missouri - St. Louis	\$105,600	\$105,600	\$211,200
<b>TOTALS</b>	<b>\$1,872,000</b>	<b>\$1,872,000</b>	<b>\$3,744,000</b>

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

FY18 Higher Education Capital Fund Recommendations  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

The purpose of this agenda item is to outline the parameters set forth for the “Higher Education Capital Fund” and to provide information regarding seven projects submitted by institutions requesting matching funds from this source.

### **Background**

Senate Bill 563 (2012) established the “Higher Education Capital Fund.” This matching fund provides one option that may be used by the General Assembly to appropriate money for capital projects at public colleges and universities. In order to be eligible to receive an appropriation through the matching fund, a public college or university must raise 50 percent of the cost of the capital project from private donations or grants. Institutions are prohibited from using operating budget funds, tuition, fees, bond revenues or state appropriations to produce their portion of the capital project's cost. The state is prohibited from using bonds to provide its portion of the capital project's cost, and the matching fund cannot be used for any athletic facilities, parking structures or student housing.

### **Process**

As required by law, MDHE created an “Application for Matching Funds from the Higher Education Capital Fund,” which was approved by the Coordinating Board during its February 2013 meeting. The purpose of the application is to enable a public college or university to provide a brief description of the project and certify that it has obtained 50 percent of the project's cost through private donations and grants.

A second requirement of the law is to establish procedures for public colleges or universities to follow in order to receive matching funds. Since the law also requires that any project funded through the HECF have a specific line item appropriation, there is no need to establish any new or unique procedures outside of the regular appropriations process for these projects. To have a project considered for funding through the Higher Education Capital Fund, an institution must submit the matching fund application materials in addition to the regular forms and information provided as a part of the capital appropriations request process. Projects that are determined to meet the eligibility requirements for an appropriation from the fund are then noted as such on the request put forward by the Coordinating Board to the Governor and General Assembly.

### **Staff Recommendations**

The department has received seven applications demonstrating the commitment of private donations and/or grants and requesting a matching appropriation from the Higher Education Capital Fund. MDHE staff has received documented assurances from each institution that the 50

Coordinating Board for Higher Education  
September 8, 2016

percent match has been met in accordance with provisions set forth in Section 173.480.3, RSMo. for the following projects:

- Metropolitan Community College – Construction of the first two phases of a Workforce Transformation Center. The total project cost is \$6,000,000, with a request for state funding of \$3,000,000.
- Missouri University of Science and Technology – Expansion of the Butler-Carlton Hall Advanced Construction Materials Lab. The total project cost is \$6,290,000, with a request for state funding of \$3,145,000.
- Northwest Missouri State University – Construction of a Bearcat Activity Center to be housed inside a future Indoor Activity Center. The total project cost is \$1,400,000, with a request for state funding of \$700,000.
- Northwest Missouri State University – Construction of a Center for Learning and Teaching within an existing building. The total project cost is \$1,307,350, with a request for state funding of \$653,675.
- Southeast Missouri State University – Renovation of the Art Building. Total project cost is \$4,220,000, with a request for state funding of \$2,110,000.
- University of Missouri – Columbia – Construction of a School of Music. Total project cost is \$31,880,894, with a request for state funding of \$15,940,447.
- University of Missouri – Kansas City – Construction of a Downtown Campus for the Arts – Conservatory of Music and Dance. Total project cost is \$96,000,000, with a request for state funding of \$48,000,000.

#### **STATUTORY REFERENCE**

Chapter 173.480, RSMo., Department of Higher Education, Higher Education Capital Fund

#### **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board approve the applications from Metropolitan Community College, Missouri University of Science and Technology, Northwest Missouri State University, Southeast Missouri State University, the University of Missouri – Columbia and the University of Missouri – Kansas City totaling \$73,549,122, for submission to the Governor and General Assembly.**

#### **ATTACHMENT**

Attachment A:           Unfunded Higher Education Capital Fund Projects Approved by the CBHE

**COORDINATING BOARD FOR HIGHER EDUCATION**  
**Unfunded Higher Education Capital Fund Projects Approved by the Board**

<b>FY Requested</b>	<b>Institution</b>	<b>Project</b>	<b>State Request</b>	<b>Non-State Match</b>	<b>Total Cost</b>
FY17	Metropolitan Community College	MCC Student Success Center Initiative	\$1,350,000	\$1,350,000	\$2,700,000 (restricted)
FY18		MCC Workforce Transformation Center	\$3,000,000	\$3,000,000	\$6,000,000
FY18	Missouri University of Science and Technology	Butler-Carlton Hall Advanced Construction Materials Lab - Expansion	\$3,145,000	\$3,145,000	\$6,290,000
FY18	Northwest Missouri State University	Bearcat Activity Center	\$700,000	\$700,000	\$1,400,000
FY18		Center for Learning and Teaching	\$653,675	\$653,675	\$1,307,350
FY16	Southeast Missouri State University	Communications Disorder Speech and Hearing Clinic	\$1,493,000	\$1,493,000	\$2,986,000
FY16		Agriculture Classroom Charles L. Hutson Greenhouses	\$250,000	\$250,000	\$500,000
FY16		Barton Agriculture Research Center Classroom	\$250,000	\$250,000	\$500,000
FY18		Art Building Renovation	\$2,110,000	\$2,110,000	\$4,220,000
FY17	Three Rivers Community College	Academic Triangle	\$250,000	\$250,000	\$500,000
FY16	University of Missouri - Columbia	Center for Regenerative Orthopaedics	\$3,000,000	\$3,000,000	\$6,000,000
FY18		MU School of Music New Facility	\$15,940,447	\$15,940,447	\$31,880,894
FY18	University of Missouri - Kansas City	UMKC Downtown Campus for the Arts - Conservatory of Music & Dance	\$48,000,000	\$48,000,000	\$96,000,000
<b>TOTALS</b>			<b>\$80,142,122</b>	<b>\$80,142,122</b>	<b>\$160,284,244</b>

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Recommendations for MDHE Operating and Student Financial Assistance Appropriations  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

Staff recommendations for the FY18 internal operating appropriation request for the Department of Higher Education and the state student financial assistance programs are included in this section.

#### **A. Coordination**

##### **1. Administration**

FY17 Core Appropriation	\$1,083,232 (20.61 FTE)
FY18 Core Request	\$1,083,232 (20.61 FTE)
FY18 New Decision Item	\$2,683

The Missouri Department of Higher Education serves the state system of higher education through the public institutions, the independent colleges and universities, proprietary schools and approximately 443,000 students. Primary responsibilities include statewide planning for postsecondary education, submission of a unified annual budget request, approval/review of new degree programs, administration of state student financial assistance programs and the Federal Family Education Loan Program, working collaboratively with K-12 and the Department of Economic Development and administration of the proprietary school certification program.

This appropriation includes the Quality Improvement Revolving Fund that allows the collection of revenue on a cost-recovery basis from workshops and conferences sponsored by MDHE to be used to support future workshops and conferences. The fund may also be used for distribution of certain federal money to institutions.

The CBHE is authorized by HB 1042 (2012) to charge and collect fees from out-of-state public institutions desiring to operate within the state of Missouri. Included in the core item is spending authority for the fees collected from out-of-state public institutions.

As a result of the upcoming FLSA overtime rule change which will be effective December 1, 2016, the agency has received approval from the Office of Budget and Planning to include a new decision item to allow for pay increases for exempt staff members who fall below the new minimum salary threshold. MDHE anticipates needing to request an additional \$2,683 in general revenue spending authority for this increase.

##### **2. Program Distribution**

**a. Midwest Higher Education Compact**

FY17 Core Appropriation	\$115,000
FY18 Core Request	\$115,000

Section 173.700, RSMo, authorizes Missouri's membership in the Midwestern Higher Education Compact and names CBHE as the administrative agent. All of Missouri's public two-year and four-year institutions and numerous independent institutions use the services of MHEC, and some cost savings programs are also available to K-12 school districts. As a member, Missouri participates in the Midwest Student Exchange Program. This program allows Missouri residents to enroll at participating public out-of-state institutions at 150 percent of the in-state resident student tuition rates. Private institutions offer a 10 percent reduction on their tuition rates. Other cost-saving programs are available for property insurance, technology initiatives, student health insurance, and pharmacy benefits. Missouri, one of the original founding states of MHEC, has realized over \$82 million in savings since 1994. For academic year 2014-2015, Missouri institutions saved nearly \$10.4 million dollars as a result of MHEC membership.

**b. Improving Teacher Quality Grant**

FY17 Core Appropriation	\$1,248,806	(1.00 FTE)
FY18 Core Request	\$1,248,806	(1.00 FTE)

The core appropriation of \$1,248,806 in federal funds comes from a U.S. Department of Education grant to enhance teacher education in mathematics and science, as authorized by Title II of the Elementary and Secondary Education Act. These funds are allocated to projects designed by higher education institutions and qualifying nonprofit organizations in cooperation with eligible K-12 school districts to improve mathematics and science education in grades K-12.

**c. Proprietary Schools Certification Fund**

FY17 Core Appropriation	\$308,171	(5.0 FTE)
FY18 Core Request	\$308,171	(5.0 FTE)

A key responsibility of MDHE is to certify and monitor proprietary schools, including private out-of-state institutions that offer instruction, grant degrees or certificates or recruit students in Missouri. The Proprietary School Certification Fund was created in HB 1042 (2012) as a fund into which fees collected from certified schools and those seeking certification or exemption are deposited. Proprietary School Certification administration expenses are paid from the Proprietary School Certification Fund.

**d. Proprietary School Bond Fund**

FY17 Core Appropriation	\$400,000
FY18 Core Request	\$400,000

Section 173.612, RSMo, requires each proprietary school to file a security deposit with MDHE covering the school and its agents in order to indemnify any student, enrollee, parent, guardian or sponsor of a student or enrollee who suffers loss or damage because of certain actions of the school or for failure to deposit student records in an acceptable manner upon school closure. MDHE holds a security deposit from each proprietary school with a minimum of \$5,000 and maximum of \$100,000. This appropriation is necessary to ensure the use of those monies for indemnification purposes in cases of malfeasance by a proprietary school.

**e. Federal and Donated Funds**

FY17 Core Appropriation	\$1,000,000
FY18 Core Request	\$1,000,000

This appropriation provides MDHE with spending authority for federal grants received by the agency.

While the agency currently does not have any grant funding pending, we are always searching for new opportunities. Continuation of this appropriation at the current level would allow for immediate spending of any potential grants awarded during fiscal year 2018.

**f. Other Grants/Donations**

FY17 Core Appropriation	\$108,358	(1.0 FTE)
FY18 Core Request	\$100,000	(1.0 FTE)

This appropriation provides MDHE with authority to finalize spending of the Multi-State Collaborative for Military Credit through Oct. 31, 2017. It is a reduction of \$8,358 due to pending conclusion of the Multi-State Collaborative to Advance Learning Outcomes.

**g. University of Missouri System Review**

FY17 Core Appropriation	\$750,000
FY18 Core Request	\$0

Established by SCR66, this appropriation is to establish an eight member commission to conduct a review of the University of Missouri System. This review is to include UM Collected Rules and regulations, administrative structure, campus structure, auxiliary enterprises structure, degree programs, research activities and diversity programs. The completion of this review should produce a report detailing any recommended changes from the commission. This was originally to be a one-time appropriation, but the funds were restricted by the Governor.

**h. Missouri Public Higher Education System Review**

FY17 Core Appropriation	\$150,000
FY18 Core Request	\$150,000

This appropriation was established in FY17 to provide funds to the agency to conduct a review of and develop recommendations about the overall structure of public two- and four-year institutions varying institutional missions, and degree review and approval processes. These funds were restricted by the Governor's office in early fiscal year 2017. While the agency has attempted to move forward with this review by the use of private donations, we are requesting reappropriation of these funds to continue our efforts to complete this work.

**i. State-wide Student Web Portal**

FY17 Core Appropriation	\$500,000
FY18 Core Request	\$500,000

As state and national attention has increasingly focused on preparing students to enter and complete postsecondary education, many states have established a single point of contact for students and families to access information about the higher education system. While Missouri has established a student portal focused on providing information to students about state student aid, Senate Bill 997 requires the portal to be expanded into other crucial areas. This request is for the second year (first year's funds were restricted by the Governor's office) of what will be a multi-year project to expand and enhance the information available from this one-stop site. Projected enhancements include incorporation of financial literacy information and resources, resources relating to course transfer (including reverse transfer and the course transfer library), college planning information, and providing students with an interactive tool to search for academic programs and opportunities for dual credit courses and distance learning available through Missouri's colleges and universities.

**j. College Prep Program**

FY17 Core Appropriation	\$450,000
FY18 Core Request	\$450,000

Funding was appropriated in FY17 to establish a program to provide promising students from under-resourced backgrounds with academic enrichment, social support and life skills needed to succeed in colleges and careers. The FY17 appropriation was restricted by the Governor's office. This request is to continue funding of the initiative and authorizing the awarding of the funds through a competitive grant process to be administered by the MDHE.

**B. Financial Assistance and Outreach**

The department has identified additional needs in core and core transfer appropriations for the major scholarship programs it administers. The governor's office is still assessing the general revenue picture and availability of dollars, and believes it will have a better assessment of the

numbers in December. As such, the amounts which the department is identifying in the High-Priority budget requests in Tab I will be considered as part of the budget process in the governor's recommendations.

**1. Program Distribution**

**a. Academic Scholarship Program (Bright Flight)**

FY17 Core Transfer Appropriation	\$18,176,666
FY18 Core Transfer Request	\$18,176,666
FY17 Supplemental New Decision Item	\$ 1,500,000

The Missouri Higher Education Academic Scholarship Program (commonly known as Bright Flight) provides scholarships to students who have a composite score in the top five percent of all Missouri students taking the ACT or the SAT during their senior year of high school. The maximum scholarship award is \$3,000 per academic year for students in the top three percent of test takers, and \$1,000 for students in the top 4<sup>th</sup> and 5<sup>th</sup> percentiles. The top three percent must receive a full award (\$3,000) before students in the top 4<sup>th</sup> and 5<sup>th</sup> percentiles receive any award. Scholarships are renewable until the first bachelor's degree is received or ten semesters are attended, whichever occurs first.

A supplemental appropriation of both cash and spending authority will be needed in order to maintain awards at the \$3,000 level for FY17 for students in the top three percent of ACT/SAT test takers. The department has received approval through the Office of Budget and Planning to include a supplemental authority request. Additional funds are needed to allow for program growth in FY18 as a result of recently enforced census testing. Please see Tab I for more information regarding the recommended increase for this program.

**b. Access Missouri Financial Assistance Program**

FY17 Core Transfer Appropriation	\$63,682,307
FY18 Core Transfer Request	\$63,682,307

The Access Missouri Financial Assistance Program provides assistance to students who demonstrate financial need based on an annual evaluation of the applicant's expected family contribution and meet the other statutory eligibility requirements for this scholarship. In addition to the core transfer referenced above, Access Missouri also typically receives an additional \$5 million from gaming revenues, which are contained in HB 8.

An increase in award amounts for this program was possible for FY16 and FY17. MDHE staff believes it is essential to continue to increase funding for this program in order to allow it to fulfill its goals to assist the neediest students in affording postsecondary education. See Tab I for additional information regarding the recommended increase for this program.

**c. A+ Schools Program**

FY17 Core Transfer Appropriation	\$37,613,326
FY18 Core Transfer Request	\$37,613,326

The A+ Scholarship component of the A+ School Improvement Program was transferred from the Department of Elementary and Secondary Education to MDHE with Executive Order 10-16 during the 2010 legislative session. The A+ Scholarship, which provided \$32.4 million in FY16, reimburses tuition and general fees for students who attend A+ designated high schools for three years prior to graduation. While in high school the students must meet certain eligibility criteria, including maintenance of a 2.5 grade point average and a 95 percent attendance record, as well as performance of at least 50 hours of tutoring or mentoring. Upon high school graduation, eligible students have four years to utilize the A+ benefit at a participating public community college, public vocational or technical school, or two-year private vocational or technical school that meets statutory requirements. Students must attend full time and maintain a 2.5 grade point average at the postsecondary level.

While the MDHE staff continue to closely monitor expenditures for this program, revisions adopted in FY16 for maintaining student eligibility have resulted in reduced upward pressure on the cost of this program. While the number of eligible recipients continues to increase, the rate has been substantially reduced resulting in projections that the current funding level will be sufficient for FY18.

**d. Advanced Placement Incentive Grant Program, Public Service Officer’s Survivor Grant Program, Wartime Veteran’s Survivor Grant Program, Minority Teaching Student Scholarships and Marguerite Ross Barnett Scholarship Program**

FY17 Total Core Appropriation	\$1,150,250
FY18 Core Request	\$1,150,250

Beginning with the FY13 budget, the Advanced Placement Incentive Grant, the Public Service Survivor Grant Program, the Minority Teaching Scholarship Program, the Vietnam Veteran’s Survivor Scholarship Program and the Marguerite Ross Barnett Scholarship Program were combined into a single line item appropriation. This allows any unexpended funds from these programs, after awards are made to all eligible applicants, to be used in the Marguerite Ross Barnett Scholarship Program, which has had more applicants in recent years than available funding.

The Advanced Placement Incentive Grant was established in HB 223/231 during the 2011 legislative session. This is a nonrenewable grant of \$500 available to any student who receives an Access Missouri or A+ award and has received two grades of three or higher on advanced placement tests in mathematics or science while attending a Missouri public high school. In FY16, 16 students received grants through this program. Funding is provided through a donation from MOHELA.

The Public Service Officer's Survivor Grant provides educational assistance to the spouses and children of certain public employees who were killed or permanently and totally disabled in the line of duty. Again in FY16, 14 students were served by this program. Dependents are eligible up to the age of 24 to receive a grant to enroll in any program leading to a certificate, associate degree or baccalaureate degree at an approved Missouri postsecondary institution. The maximum annual grant is the least of the tuition paid by a full-time undergraduate Missouri resident at the University of Missouri-Columbia, or the tuition paid at the institution which the student attends.

The Wartime Veteran's Survivor Grant was established by HB 1678 (2008) to provide scholarships to the spouses or children of veterans who were Missouri residents when first entering the military and at the time of their death/injury, and who (1) died as a result of combat action or of an illness contracted while serving in combat or (2) became at least 80 percent disabled as a result of injuries or accidents sustained in combat action. In FY16, 15 individuals received this grant. The law allows for a maximum of 25 awards of full tuition (the University of Missouri-Columbia rate is the maximum allowed), provides for up to a \$2,000 room and board allowance and a \$500 book allowance, per semester. This program will likely require additional funding in GR in order to pay all eligible students. See Tab I for additional information.

The Minority Teaching Student Scholarships provide \$2,000 scholarships to Missouri minority high school graduates and college students who enter and make a commitment to pursue a teacher education degree and meet certain academic standards. The scholarship is converted to a loan if recipient does not fulfill the obligation to become a certified teacher and teach for five years in a Missouri public school district. Once converted, the loans must be repaid, with interest, within two years. Based on current application numbers, it is anticipated that approximately 10 awards per year will continue to be made through this program.

The Marguerite Ross Barnett Memorial Scholarship Program is the only state-funded scholarship available for part-time students. The scholarship is especially important for individuals already in the workplace seeking to upgrade skills. During FY16, 265 students were served by the program. The scholarship is need-based and is calculated using the Federal Needs Analysis Formula.

**e. The Kids' Chance Scholarship Program**

FY17 Core Appropriation	\$15,000
FY18 Core Request	\$15,000

The Kids' Chance Scholarship Program, established by section 173.254, RSMo, authorizes the Coordinating Board for Higher Education to provide scholarships for the children of workers who were seriously injured or died in a work-related accident or occupational disease covered by workers' compensation and compensable pursuant to chapter 287, RSMo, to attend a college, university, or accredited vocational

institution of their choice. In accordance with statute, the director of the division of workers' compensation deposits \$50,000 each year beginning in 1999 until 2018 into the Kids' Chance Scholarship Fund. Awards can only be made using the interest earnings in the fund. The requested amount is set based on the size of the fund and projected interest as the fund continues to grow. In FY16, two students received scholarships under this program.

**f. Minority and Underrepresented Environmental Literacy Program**

FY17 Core Appropriation	\$32,964
FY18 Core Request	\$32,964

This program provides scholarships to full-time minority and underrepresented students who pursue a bachelor's or master's degree in an environmental-related field of study at a Missouri college or university and meet certain academic standards. This program served 11 students in FY16.

**g. Advantage Missouri Program**

FY17 Core Appropriation	\$15,000
FY18 Core Request	\$15,000

This appropriation is required to occasionally make refunds to students who participated in the Advantage Missouri Loan and Loan Forgiveness Program, entered into repayment of the Advantage award and eventually overpaid their obligation.

**C. Missouri Student Loan Program (Federal Funds)**

**1. Administration**

FY17 Core Appropriation	\$8,533,446	(52.09 FTE)
FY18 Core Request	\$6,033,446	(52.09 FTE)
FY18 New Decision Item	\$9,037	

The Missouri Student Loan Program is a guaranty agency for the Federal Family Education Loan program. The program's primary function is to conduct major activities in the areas of collections on defaulted loans, contracts and compliance, early awareness and outreach, and marketing and customer service. The total of outstanding guaranteed loan balances is approximately \$1.6 billion. The core request is from the Guaranty Agency Operating Fund. No general revenue funds are requested. The FY18 request is a reduction of \$1.5 million to better align the spending authority with projected expenditures.

As a result of the upcoming FLSA overtime rule change which will be effective December 1, 2016, the agency has received approval from the Office of Budget and Planning to include a new decision item to allow for pay increases for exempt staff

members who fall below the new minimum salary threshold. MDHE anticipates needing to request an additional \$9,037 in spending authority for this increase.

**2. Guaranty Functions**

**a. Student Loan Revolving Fund**

FY17 Core Appropriation	\$160,000,000
FY18 Core Request	\$120,000,000

Section 173.120, RSMo, establishes a revolving fund used solely to pay claims and administer the loan program. An appropriation granting authority to spend is required so that Guaranty Student Loan Program funds may be accessed. Disbursements include the purchase of defaulted loans, repurchases of defaulted loans by lenders, payments of accrued interest on defaulted loans and federal reinsurance payments. As the number of claims paid to lenders continues to decline, a core reduction of \$40 million has been requested to reduce the spending authority to reflect more accurate expenditure amounts.

**b. Collection Agency Invoicing**

FY17 Core Appropriation	\$8,000,000
FY18 Core Request	\$8,000,000

The department uses this appropriation to pay the portion of the contracted loan servicer's monthly invoice which is directly related to collection services. Continued authority in the amount of \$8,000,000 is needed for this purpose.

**c. Federal 48-hour Rule Reimbursement**

FY17 Core Appropriation	\$500,000
FY18 Core Request	\$500,000

A U.S. Department of Education regulation requires state guaranty agencies to deposit all revenues collected from defaulted borrowers into the state's federal fund within 48 hours of receipt. Authority in the amount of \$500,000 is needed to meet this requirement.

**d. Transfer Appropriations**

From Federal Student Loan Reserve Fund and one-time transfer in FY16 from U.S. Department of Education/Coordinating Board for Higher Education P.L. 105-33 Interest Account Fund to Guaranty Agency Operating Fund

FY17 Core Appropriation	\$15,000,000
FY18 Core Request	\$15,000,000

From Guaranty Agency Operating Fund to Federal Student Loan Reserve Fund

FY17 Core Appropriation	\$1,000,000
FY18 Core Request	\$1,000,000

Federal law requires certain transfers between the guaranty agency operating fund and the federal student loan reserve fund. These appropriations provide the necessary authority to meet these requirements.

Spending authority for the transfer from the Federal Student Loan Reserve Fund to the Guaranty Agency Operating Fund was increased by the legislature in FY13 to account for the removal of the estimated appropriation designation previously used on this line.

**e. Tax Refund Offsets**

FY17 Core Appropriation	\$750,000
FY18 Core Request	\$750,000

Section 143.781, RSMo, gives state agencies the authority to make state tax refund offsets against debts owed to the state agency, including defaulted guaranteed student loans.

**High-Priority Budget Requests**

As mentioned previously, although additional funds may not be available for increased investment, there is still value in taking this annual opportunity to put forward a representation of some of the urgent needs of Missouri higher education. Accordingly, information on needed funding increases for institutional base operating budgets, as well as other budget items for higher education, will be transmitted to the Governor-elect and General Assembly separately from the formal request that includes few requests for increased funding. The components of this secondary budget request are described in Tab I.

**STATUTORY REFERENCE**

Authority granted under Sections 173.005, RSMo, through 173.750

**RECOMMENDED ACTION**

**It is recommended that the Coordinating Board approve the FY18 MDHE internal budget and student financial assistance appropriation request, as presented, for submission to the Governor and General Assembly.**

**ATTACHMENT(S)**

None

## AGENDA ITEM SUMMARY

### AGENDA ITEM

High Priority Budget Recommendations  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

As indicated in Tab E, FY18 Recommendations for Public Institutions' Base Operating Appropriations, the Office of Administration's Budget Director has instructed agencies not to request general revenue funding increases for FY18 unless such requests are pre-approved by the Office of Administration. Missouri Department of Higher Education received very limited approval to request additional general revenue funding and, as such, MDHE's official recommendation for the FY18 budget includes requested increases only relating to the grant funding for department activities. Regardless of this limitation, it is essential that the Coordinating Board for Higher Education continue to use this annual opportunity to document critical unfunded needs for Missouri higher education. The development of this additional budget recommendation will serve as a resource for policy makers going forward.

### ADDITIONAL BUDGET REQUEST

MDHE recommends that the CBHE approve the following high-priority budget recommendations to be submitted to the Governor, Governor-elect and Missouri General Assembly. The approved high priority recommendations will be submitted in addition to the standard budget documents for consideration to address critical needs in higher education as opportunities arise for new policy options. The recommendations fall into three categories:

- Support for specific public higher education initiatives/improvements
- Funding for agency staffing and supported initiatives
- Funding for public higher education initiatives and support over all sectors

### **Support for Specific Public Higher Education Initiatives/Improvements**

FY17 Core Appropriation	\$971,689,874
FY18 Requested Increase	\$20,868,849

The high priority recommendations in this category for the FY17 base operating appropriations for public institutions total \$20,868,849. MDHE worked with the institutions to identify specific programs/improvements that they consider high-priority to their operations. Of those requests, MDHE is recommending thirteen items from seven public institutions plus equity funding for the community colleges be considered by the Governor, Governor-elect and general assembly for possible increased funding. Those programs from the institutions include:

**Lincoln University** – Land Grant Match -\$5,300,000;

**Missouri Southern State University** – Center for Advanced Computing & Data Analytics-\$2,000,000;

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**Missouri Western State University** – Success for Under-Prepared & Low-Income Students - \$585,000; Increasing Graduates in Health Informatics & Population Health - \$650,000;

**Northwest Missouri State University** – Program Development in Food Sciences & Nutrition - \$119,718; Missouri Academy of Science, Mathematics & Computing - \$515,321; Missouri Arboretum - \$95,750;

**Truman State University** – Mental Health Initiative - \$325,000;

**University of Central Missouri** – Technology upgrades - \$478,060;

**University of Missouri System** – UMKC/MSSU Dental School Expansion - \$500,000; Alzheimer’s Program - \$478,060; Missouri K-12 Schools – High Speed Broadband Program - \$1,000,000; Spinal Cord Injuries & Congenital or Acquired Disease Processes Research Program - \$500,000; Restoration of core funding - \$3,800,000

**Community Colleges** – equity funding - \$6,000,000

### **Funding for Agency Staffing and Supported Initiatives**

The high priority recommendations for increased agency funding include additional funding for student financial assistance for Bright Flight, Access Missouri and Wartime Veterans Grant Program. Amounts listed are actual transfer amounts after spending restrictions but do not reflect the standard Governor’s reserve (three percent).

#### **Academic Scholarship Program (Bright Flight)**

FY17 Core Appropriation	\$18,176,666
FY18 Requested Increase	\$4,000,000

The Missouri Higher Education Academic Scholarship Program (commonly known as Bright Flight) provides scholarships to students who have a composite score in the top five percent of all Missouri students taking the ACT or the SAT during their senior year of high school. The maximum scholarship award is \$3,000 per academic year for students in the top three percent of test takers, and \$1,000 for students in the top 4<sup>th</sup> and 5<sup>th</sup> percentiles. The top three percent must receive a full award (\$3,000) before students in the top 4<sup>th</sup> and 5<sup>th</sup> percentiles receive any award.

FY15 was the first year since the program statute was amended to establish the current maximum award that the top three percent received the full \$3,000 award. While this award level will be maintained for FY17, with the supplemental appropriation contained in the MDHE budget request, increased funding for this program will be needed in order to maintain this award level into FY18. This request is intended to provide sufficient funds to offer the statutory award of \$3,000 for all students scoring in the top three percent.

#### **Access Missouri Financial Assistance Program**

FY17 Core Appropriation	\$63,682,307
FY18 Requested Increase	\$4,000,000

The Access Missouri Financial Assistance Program provides assistance to students who demonstrate financial need, based on an annual evaluation of the applicant’s expected family contribution and meeting the other statutory eligibility requirements for this grant. Access Missouri is the state’s primary need-based student assistance program. In addition, as provided in

statute, maximum award levels changed for all three institutional sectors (public two-year, public four-year plus State Technical College of Missouri, and independent) in FY15. This change increased the maximum award for students attending public two-year institutions to \$1,300 and equalized the maximum award for students attending all other types of institutions at \$2,850.

Although the number of eligible applicants has continued to decline, this program continues to assist approximately 50,000 Missouri residents with the cost of postsecondary education. This broad eligibility base coupled with budget reductions eroded award amounts significantly from the high achieved in FY09. For FY16, the department was able to increase award levels to 65 percent of the maximum, primarily due to the Governor's release of \$11 million in funds restricted during FY15. For FY17, award levels have again been increased, accessing the last of the released funds, to 79 percent of the maximum. The MDHE staff believes this situation provides an opportunity to continue to focus on increasing the award levels available through this program by continuing the effort to move this program to full funding. The intent of the requested increase is to begin to restore the buying power this program was designed to provide to Missouri's neediest students by providing sufficient funds to move award levels to the 90 percent level for FY18. Increases to need-based grants are seen as an effective tool in limiting the growth of student debt.

#### **Wartime Veterans Grant Program**

FY17 Core Appropriation	\$241,250
FY18 Requested Increase	\$60,000

These grants are available annually to children and spouses of Veterans whose deaths or injuries were a result of combat action or were attributed to an illness that was contracted while serving in combat action, or who became 80% disabled as a result of injuries or accidents sustained in combat action since September 11, 2001. The total number of veterans that may receive a grant in any year is limited by statute to 25. The veteran must have been a Missouri resident when first entering the military service or at the time of death or injury. Program growth is expected to reach the statutory 25 recipient maximum soon, possibly in FY18. The core was originally sufficient to cover 25 students, but was reduced to provide more funding for the growing Public Safety Officer program. This request would restore the program to full funding.

#### **Implementation of Missouri College Completion Act (SB997)**

FY18 New Decision Item Request	\$3,000,000
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The State of Missouri is committed to the goal of increasing the proportion of Missourians with high-quality postsecondary credentials, which provide clear pathways to further education, employment or both, to 60 percent by 2025. To reach that goal, Missouri must make appropriate investments in education to support students in completing their programs of study, including those students who are underprepared for postsecondary work. MDHE requests an appropriation of \$3,000,000 to implement programs necessary to achieve these goals, many of which were included in recently passed Senate Bill 997. Examples of initiatives could include:

- “15 to Finish:” Incentives for students to take 15 credit hours each semester in order to achieve timely degree completion.
- Guided Pathways to Success: Support institutions that adopt and implement guided pathways to ensure students have access to and understand the courses necessary for degree completion.
- Core Curriculum Transfer: work with an advisory committee to establish a recommended core curriculum of at least 42 semester credit hours that will transfer to any public college or university in Missouri.

**Implementation of Missouri College Completion Act (SB997) – Dual Credit Scholarship**  
 FY18 New Decision Item Request \$4,500,000

Also included in Senate Bill 997, the Coordinated Board has been granted authority to establish a dual-credit scholarship program to assist low-income high school students with tuition costs for dual credit classes. If approved by the General Assembly, this appropriation would set up the funding and spending authority to issue those scholarships to eligible students.

**Additional MDHE staffing**

As a direct result of additional data reporting requirements, necessary grants and scholarship oversight and quality assurance needed for such programs as Dual Credit initiatives, the MDHE is requesting funding and FTE for three additional coordination staff members:

Department staffing has been an issue limiting the ability of MDHE to adequately support the goals and initiatives of the Coordinating Board. In order to implement more comprehensive oversight of several programs, as cited by recent State Auditor reports, the MDHE must increase staffing in several key areas. Additional research and analysis services are needed to create the sophisticated analysis necessary to make data-driven decisions for funding or program review. Recent additions to department responsibilities, primarily the result of legislative action, require additional staffing to adequately fulfill expectations. In order to ensure greater compliance with program requirements, additional staff resources will be necessary within the grants and scholarship area.

- Data & Research Services Group – Research Associate mid- level - \$45,000
- Academic Affairs – Research Associate high-level - \$48,000
- Grants & Scholarships Administration lower-level - \$38,000

**Restoration of Other Grants and Donations Authority**  
 FY18 New Decision Item Request \$1,000,000

The MDHE frequently has opportunities to apply for grant funding from private philanthropies and organizations that provides the department with leverage to effect significant change in support of the college completion activities and other statewide initiatives in the areas of affordability, access and efficiency as a measure of quality. The department does not currently have line item authority to accept and spend these funds and must seek legislative approval on a

case-by-case basis. This lack of flexibility has harmed the department's efforts to apply for and secure external sources of funding for important initiatives. The MDHE would like to request \$1,000,000 in spending authority for Other Grants and Donations to eliminate this barrier. As grant opportunities are announced, the department would consult with the chairs of the budget committees in both chambers before submitting the application.

### **Funding for Public Higher Education Initiatives and Support**

FY18 Additional Requested Core Increase	\$98,118,987
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#### *Outcomes-based Funding*

FY18 New Decision Item Request	\$48,559,494
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MDHE staff recommends an increase of \$48,559,494 above the current core be appropriated for institution operations. This is a 5 percent increase to be distributed amongst all sectors. Consistent with statute, 90 percent of these funds (\$43.7 million) would be allocated based on the performance funding model adopted by the CBHE. These funds would be distributed to institutions based on their respective success in achieving five performance goals. Those institutions demonstrating success on fewer than five measures will receive approximately a 0.9 percent increase for each measure that is met. Institutions that demonstrate success on all five measures will receive an increase of approximately 4.5 percent. The remaining ten percent (\$4.8 million) would be distributed across institutions within each sector based on a sector-adopted equity distribution formula.

As required by SB 492 (2014), public institutions and MDHE are pursuing the development of a sixth performance measure intended to ensure graduates of postsecondary programs achieve employment outcomes on a par with the level of degree achieved. FY17 is considered a pilot year, with no funds requested or at risk based on this measure. As previously described, the development of this measure is proving difficult, particularly given the statutory language requiring this measure. During FY18, the institutions will need to establish reasonable baselines and to refine the methodology and techniques related to this measure. Consequently, this request assumes no FY18 impact relating to the additional sixth measure.

#### *Strategic Initiative*

FY18 New Decision Item Request	\$19,423,797
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The state of Missouri continues to face challenges in meeting the need for individuals with degrees in Science, Technology, Engineering and Mathematics (STEM). This recommendation is for an appropriation of approximately \$19 million to build additional capacity in STEM fields in order to begin to address areas of workforce shortage. Although the details of this initiative have not been established, MDHE staff recommends that the CBHE support the pursuit of this initiative and promote a broad-based approach that will allow all public sectors adequate opportunity to participate.

Maintenance & Repairs

FY18 New Decision Item Request

\$29,135,696

On-going maintenance and repair to buildings, grounds and utilities is necessary to preserve and protect the state's investment. Additional funding for this initiative would help to ensure the usefulness of campus structures while minimizing threats to personal safety and property from unanticipated events as well as potentially improve cost efficiency through more effective energy efficient building systems. MDHE staff recommends a 3 percent increase for maintenance and repair over all sectors equaling just over \$29 million.

Missouri Returning Heroes Education Act

FY18 New Decision Item Request

\$1,000,000

Since FY09, Section 173.900 RSMo has required all public institutions of higher education to limit the amount of tuition charged of combat veterans who are enrolled in a program leading to a certificate or an associate or baccalaureate degree to fifty dollars per credit hour, if they meet certain criteria. The statute also provides that institutions may report the amount of tuition waived in the previous fiscal year to the Coordinating Board and this information may be included in the board's appropriations recommendations to the governor and the general assembly.

Although the CBHE has requested an appropriation for this purpose in the past, no funds have ever been appropriated to the institutions to cover the tuition revenue lost through this initiative. Based on previous surveys regarding this act, the requested amount is believed to be sufficient to cover the costs institutions incurred in implementing this requirement for FY16.

**Conclusion**

Missouri public higher education has consistently found ways to operate more efficiently while accommodating rapidly growing enrollments during several years of declining state support. During the past three-to-five years Missouri public colleges and universities have led the nation in keeping tuition and fee increases low.

The higher education community appreciated that the FY17 appropriation included an increase for core operations and mission, delivered through the CBHE performance funding mechanism. Unfortunately, the meager appropriation increase, coupled with flat or declining state support for the previous several years and recent low tuition and fee increases, is not compatible with the maintenance of quality programs and services. The state's student aid programs, particularly Access Missouri as the state's primary need-based aid program, remain at funding levels far below the levels needed to provide the necessary financial assistance to accomplish our state's goals for program completion and degree attainment.

The formal request for FY18 (Tab E) adheres to the conditions put forth by the Office of Administration. MDHE staff proposes that the items deemed as high-priority budget recommendations referenced here be transmitted with the unified FY18 budget request sent to the Governor, Governor-elect and the Missouri General Assembly so that policy makers are aware that additional investment in higher education is needed in order to maintain affordability and quality and meet the urgent challenges of human development and workforce preparation.

### **STATUTORY REFERENCE**

Section 163.191, RSMo, CBHE statutory responsibility to develop an appropriations request for community colleges

Sections 173.005.2(2), 173.030(3), and 173.040(5), RSMo, CBHE statutory responsibility to establish guidelines for appropriations requests and to recommend a budget for each state-supported university

Section 173.005.2(7), RSMo, CBHE statutory responsibility for gathering data from state-supported institutions

### **RECOMMENDED ACTION**

**It is recommended that the board direct the Commissioner of Higher Education to transmit the Support for Specific Public Higher Education Initiatives/Improvements identified as high-priority but non-mandatory budget requests to the Governor, Governor-elect and General Assembly for the purpose of providing information on the investments necessary to allow Missouri's system of higher education to maintain affordable and quality educational opportunities for students.**

**It is recommended that the board direct the Commissioner of Higher Education to transmit the Funding for Agency Staffing and Supported Initiatives high-priority but non-mandatory requests to the Governor, Governor-elect and General Assembly for the purpose of providing information on the investments necessary to allow the state agency to provide continued support for affordable and quality educational opportunities for students.**

**It is recommended that the board direct the Commissioner of Higher Education to transmit the high-priority but non-mandatory requests for funding of Public Higher Education Initiatives and Support over all Sectors to the Governor, Governor-elect and General Assembly for the purpose of providing information on the investments necessary to allow Missouri's system of higher education to maintain affordable and quality educational opportunities for students.**

### **ATTACHMENT**

FY18 High Priority Item Budget Recommendations

FY18 non-mandatory/high priority NDI requests

Requestor	NDI request description	amount desired
Lincoln University	Land Grant Match funding - federal mandate	\$ 5,300,000
MSSU	Center for Advanced Computing and Data Analytics	\$ 2,000,000
MWSU	Success for Under-Prepared and Low-Income Students	\$ 585,000
MWSU	Increasing Graduates in Health Informatics and Population Health	\$ 650,000
NWMSU	Program Development in Food Science and Nutrition	\$ 119,718
NWMSU	Missouri Academy of Science, Mathematics, and Computing	\$ 515,321
NWMSU	Missouri Arboretum	\$ 95,750
Truman State	Mental Health Initiative	\$ 325,000
UCM	Technology Upgrades	\$ 2,800,000
UM System	UMKC/MSSU Dental School Expansion	\$ 500,000
UM System	Alzheimer's Program	\$ 478,060
UM System	Missouri K-12 Schools - High-Speed Broadband Program	\$ 1,000,000
UM System	Spinal Cord Injuries and Congenital or Acquired Disease Processes Research Program	\$ 500,000
UM System	Restoration of core funding	\$ 3,800,000
Community Colleges	Community College Equity Funding	\$ 6,000,000
<b>Total Institution Requests</b>		<b>\$ 24,668,849</b>

Row Labels	Sum of amount desired
Community Colleges	\$6,000,000.00
Lincoln University	\$5,300,000.00
MSSU	\$2,000,000.00
MWSU	\$1,235,000.00
NWMSU	\$730,789.00
Truman State	\$325,000.00
UCM	\$2,800,000.00
UM System	\$6,278,060.00
<b>Grand Total</b>	<b>\$24,668,849.00</b>

Requestor	NDI request description	amount desired
MDHE	Data & Research additional Staff person	\$ 45,000
MDHE	Academic Affairs additional staff person (Dual Credit QA and other agency initiatives)	\$ 48,000
MDHE	Grants & Scholarship Administration additional staff person	\$ 38,000
MDHE	restoration of other grants and donations authority	\$ 1,000,000
MDHE	implementation of Missouri College Completion Act (SB997)	\$ 3,000,000
MDHE	Access MO	\$ 7,000,000
MDHE	Bright Flight	\$ 4,000,000
MDHE	Wartime Veterans Grant Program	\$ 60,000
MDHE	Dual Credit Scholarship	\$ 4,500,000
<b>Total MDHE Requests</b>		<b>\$ 19,691,000</b>

Requestor	NDI request description	amount desired
Performance funding	5% increase over all sectors	\$ 48,559,494
Maintenance & Repair	3% increase over all sectors	\$ 29,135,696
STEM funding	2% over all sectors	\$ 19,423,797
MO Returning Heroes	Over all sectors	\$ 1,000,000
<b>Total "blanket" Institution Requests</b>		<b>\$ 98,118,987</b>

<b>Total non-mandatory/high priority requests</b>		<b>\$ 142,478,836</b>
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## AGENDA ITEM SUMMARY

### AGENDA ITEM

Revision of the A+ Scholarship Administrative Rule  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

#### Background

In February 2016, the Coordinating Board for Higher Education approved amendments to the A+ Scholarship administrative rule (6 CSR 10-2.190) resulting from passage of Senate Bill 224 and the comprehensive administrative rule review required by Section 536.175, RSMo. Those amendments became effective July 31, 2016. During that rulemaking process, legislative action occurred and issues arose that require additional rulemaking to ensure consistent program administration. The Missouri Department of Higher Education is seeking CBHE approval to move forward with these additional amendments to the A+ Scholarship administrative rule.

#### Proposed Amendments

There are six proposed amendments included in the attachment to this item. The amendments are denoted by underline and strike through to add or remove language, respectively. Where numbering has changed, the citations following the summary reference the amended numbering.

MDHE submitted these proposed amendments to the A+ community for comment in August 2016. The department received two requests for clarification of the amendment relating to the three-year attendance requirement (item 4 below), but no comments. In summary, the amendments would:

1. Define an A+ designated high school. This change is in response to the amendment to section 160.545, RSMo, passed in Senate Bill 638, which expands the A+ Program to nonpublic high schools effective August 28, 2016. [Subsection (1)(B)]
2. Define an eligible program to clarify that students must be working toward a certificate or degree, and programs must meet federal Title IV eligibility requirements. This amendment addresses recurring questions MDHE has received about reimbursement for coursework not leading to a certificate or degree, as well as for coursework applied to programs that are not eligible for federal Title IV aid. [Subsection (1)(H); related changes in sections (2) – (4)]
3. Clarify the exclusion of campus-based aid in the definition of Federal Sources of Funding. The amount of the A+ tuition reimbursement must be calculated based on the remaining costs of actual tuition and fees after any federal sources of funding have been applied. The current definition implicitly excludes campus-based aid as the federal sources of funding must be made available directly to the student by the federal government; campus-based aid is made available

directly to the institution to be awarded and distributed at the institution's discretion. The amendment simply makes the exclusion of campus-based aid explicit. [Subsection (1)(I)]

4. Clarify the statutory three-year attendance requirement by incorporating MDHE's guidance, provided in 2014, that students must be enrolled in an A+ designated high school for a minimum of 80% of instructional days in the three years immediately preceding graduation. This guidance was not included in the amendments effective July 31, 2016 because pending legislation could have altered it. Since the legislation did not pass, MDHE is requesting the CBHE's approval to move forward with codifying the 2014 guidance. It is important to note that this amendment only clarifies the statutory three-year attendance requirement. It does not have any impact on the requirement that students must have a 95% attendance record overall for grades 9-12.

In addition, all but two of the statutory eligibility criteria for high school students are currently specified in the administrative rule. The remaining two criteria are incorporated by reference to subsection 7 of section 160.545, RSMo. This proposed amendment would remove the statutory reference and instead directly incorporate the remaining two requirements. As a result, the rule would specify all of the statutory high school eligibility criteria. [Paragraphs (3)(A)1-2.]

5. Allow an A+ designated high school to specify in its A+ policy that participation in the Constitution Project of Missouri may be included in a student's record of good citizenship. This amendment brings the rule into alignment with section 170.345, RSMo, passed in Senate Bill 638, which becomes effective August 28, 2016. [Paragraph (3)(A)9.]

6. Add the MDHE's standard disbursement/delivery policy for consistency throughout the administrative rules for all of our state aid programs. The inclusion of this policy was inadvertently overlooked during the required comprehensive rule review. [Subsection (4)(T)]

### **Conclusion**

The A+ Scholarship program, perhaps more than any other state aid program, is dynamic in nature and requires periodic updating to ensure it remains current in its operation and that requirements for participation and operation are clear and relevant. The amendments proposed in this item are based on legislative action, MDHE experience with the program, and advice from individuals working with the program on a daily basis in the schools and colleges, and are designed to strengthen and improve the operation of the program.

### **STATUTORY REFERENCE**

Section 160.545, RSMo, A+ Scholarship

### **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board direct the Commissioner of Higher Education to take all actions necessary to ensure the attached proposed rulemaking becomes effective as an administrative rule as soon as possible.**

### **ATTACHMENT(S)**

Attachment: Proposed A+ Administrative Rule Revisions

Coordinating Board for Higher Education  
September 8, 2016

**Title 6--DEPARTMENT OF  
HIGHER EDUCATION  
Division 10--Commissioner of Higher Education  
Chapter 2--Student Financial Assistance Program**

**6 CSR 10-2.190 A+ Scholarship Program**

*PURPOSE: This rule sets forth the policies of the Coordinating Board for Higher Education regarding institutional and student eligibility for student financial assistance under the A+ Scholarship program.*

(1) Definitions.

(A) Academic year shall be twenty-four (24) semester or trimester credit hours, thirty-six (36) quarter credit hours, or nine hundred (900) clock hours, and at least thirty (30) weeks of instructional time for a credit hour program or at least twenty-six (26) weeks of instructional time for a clock hour program.

(B) A+ designated high school shall mean a high school that the Department of Elementary and Secondary Education has determined meets the requirements established in section 160.545, RSMo and has been approved by the Board of Education for participation in the A+ Program.

~~(B)(C)~~ A+ Scholarship shall mean the tuition reimbursement program set forth in subsections 7. through 9. of section 160.545, RSMo.

~~(C)(D)~~ A+ tuition reimbursement shall mean an amount of money paid by the state of Missouri to a qualified student under the A+ Scholarship for costs related to tuition, general fees, and up to fifty percent (50%) of book costs, subject to state appropriations, after federal sources of funding have been applied.

~~(D)(E)~~ Award year shall be from July 1 of any year through June 30 of the following year.

~~(E)(F)~~ CBHE shall mean the Coordinating Board for Higher Education created by section 173.005.2, RSMo.

~~(F)(G)~~ Department shall mean the Department of Higher Education created by section 173.005.1, RSMo.

(H) Eligible program shall mean a program offered by a participating A+ institution that leads to a certificate or degree and that meets federal Title IV financial aid requirements as provided in 34 CFR 668.8.

~~(G)(I)~~ Federal sources of funding shall mean grant funds made available directly to students by the federal government and shall not include any funds that must be repaid, campus-based aid, or work-study funds.

~~(H)~~(J) Full-time student shall mean a student who, regardless of the course delivery method, is enrolled in an eligible program in at least twelve (12) semester hours, eight (8) quarter hours, twenty-four (24) clock hours per week, or the equivalent in another measurement system for the fall and spring terms or at least six (6) semester hours, twenty-four (24) clock hours per week, or the equivalent in another measurement system for the summer term. If the institution in which the student is enrolled defines full-time as greater than any of these hourly thresholds for the program in which the student is enrolled, the institutional definition of full-time supersedes this definition. Provided, however, that an otherwise eligible student having a disability as defined by Title II of the Americans with Disabilities Act (42 U.S.C. 12101–12213) who, because of the student’s disability, is unable to satisfy the statutory minimum requirements for full-time status under federal student financial aid programs included in Title IV of the Higher Education Act of 1965 shall be considered to be enrolled full-time while carrying a minimum of six (6) credit hours or their equivalent at the approved institution.

~~(I)~~(K) Good-faith effort to secure all federal sources of funding that could be applied to tuition reimbursement shall mean, by the deadline established by the department, being eligible to receive federal Title IV student financial aid and having completed the federal need-based aid application form as prescribed by the United States Department of Education (USDE), commonly known as the Free Application for Federal Student Aid (FAFSA), except—

1. For students whose parents refuse to provide financial information, the application form must, at a minimum, include the dependent student’s financial information; or

2. For students attending institutions that do not participate in the federal Title IV student financial aid programs and are therefore ineligible for federal Title IV student financial aid, completion of the predictor tool for federal Title IV student financial aid eligibility approved by the USDE, commonly known as the FAFSA4caster, is acceptable; or

3. For students in other circumstances the department may determine completion of the predictor tool for federal Title IV student financial aid eligibility approved by the USDE, commonly known as the FAFSA4caster, is acceptable.

~~(J)~~(L) Initial recipient shall mean a student who qualifies under subsection 7. of section 160.545, RSMo, and this rule, and who has made a good-faith effort to secure all federal sources of funding that could be applied to tuition reimbursement, and has not received A+ tuition reimbursement in any prior award year.

~~(K)~~(M) Participating institution shall mean a Missouri public community college, a public vocational or technical school, or a two- (2-) year private vocational or technical school meeting the requirements set forth in subsection 9. of section 160.545, RSMo, that has entered into a participation agreement for the A+ Scholarship program with the department.

~~(L)~~(N) Partnership shall mean a written agreement between two (2) or more institutions, at least one (1) of which must be an A+ participating institution, providing for the processing and delivery of A+ tuition reimbursement.

~~(M)~~(O) Positive net disbursement shall mean the sum of all disbursements for a term less the sum of all funds returned for that term resulting in a difference that is greater than zero (0).

~~(N)~~(P) Renewal recipient shall mean a student who received A+ tuition reimbursement, or whose A+ award was reduced to zero upon application of federal sources of funding, in a prior award year, qualifies under subsection 7. of section 160.545, RSMo, and who has made a good faith effort to secure all federal sources of funding that could be applied to tuition reimbursement.

~~(Q)~~ Repeat coursework shall be any coursework for which the student has been assigned a grade under the institution's standard grading policy, excluding coursework for which the student was placed in an incomplete or withdrawn status, in a previous term.

~~(R)~~ Tuition and fees shall mean any charges to students classified as tuition and any institutional fees charged to all students, excluding program-specific fees.

~~(S)~~ USDE shall mean the United States Department of Education.

## (2) Responsibilities of Participating Institutions.

(A) Only institutions who have entered into a participation agreement with the department may receive reimbursement under the A+ Scholarship program.

(B) Participating institutions shall meet the following requirements:

1. Before requesting reimbursement for an initial recipient, verify the following:

A. The student has met the eligibility requirements listed in section (3) of this rule through collection of a high school transcript bearing the official A+ seal;

B. The student has met the cumulative grade point average (CGPA), satisfactory academic progress, and completion requirements referenced in paragraphs (3)(A)~~1213.~~~~1314.~~;

C. The student is enrolled as a full-time student in an eligible program, except as provided in subsection (1)~~(HJ)~~ of this rule; and

D. The student has made a good-faith effort to secure all federal sources of funding that could be applied to tuition reimbursement, except as provided in subsection (1)~~(HK)~~ of this rule;

2. Before requesting reimbursement for a renewal recipient, verify the following:

A. The student is enrolled as a full-time student in an eligible program, except as provided in subsection (1)~~(HJ)~~ of this rule;

B. The student has met the cumulative grade point average (CGPA), satisfactory academic progress, and completion requirements referenced in paragraphs (3)(B)2.-3. of this rule; and

C. The student has made a good-faith effort to secure all federal sources of funding that could be applied to tuition, except as provided in subsection (1)~~(HK)~~ of this rule;

3. Comply with the institutional responsibilities required in section 6 CSR 10-2.140(5), with the exception of paragraph 6 CSR 10-2.140(5)(A)5.; and

4. Verify federal sources of funding are applied correctly to tuition, general fees, and up to fifty percent (50%) of book costs as specified in subsection (4)(N) of this rule.

(C) Partnerships must comply with the following:

1. Reimbursement will only be made to A+ participating institutions;

2. Reimbursement will only be made for coursework required for an eligible program and actually delivered by a participating institution;

3. Reimbursement may be requested by only one (1) participating institution as specified in the agreement and must be at a tuition rate consistent with the rate charged to other students enrolled in the course;

4. When a partnership includes only one (1) A+ participating institution, the student must be considered to be enrolled full time at the participating institution;

5. When two (2) or more A+ participating institutions are involved in a partnership, students must be enrolled in sufficient hours at a combination of the participating institutions to be considered to be enrolled full time as defined in this rule; and

6. Institutions entering into partnerships must provide to the department any requested documentation pertaining to the processing and delivery of A+ tuition reimbursements.

## (3) Eligibility Policy.

(A) To qualify for A+ tuition reimbursement, an initial recipient must meet the following criteria:

~~1. Meet the requirements set forth in subsection 7 of section 160.545, RSMo~~Attend an A+ designated high school or high schools for at least three years immediately prior to graduation. Enrollment at all A+ designated high schools attended during the student's sophomore, junior, and senior years must total a minimum of eighty percent (80%) of the instructional days required by the high school from which the student graduates. Interruptions in enrollment cumulatively totaling no more than twenty percent (20%) of instructional days in the three year period may occur consecutively or intermittently;

2. Make a good faith effort to first secure all available federal sources of funding that could be applied to the A+ Scholarship reimbursement;

23. Be a U.S. citizen or permanent resident;

34. Enter into a written agreement with the A+ designated high school prior to high school graduation;

45. Graduate from an A+ designated high school with an overall grade point average of at least two and one-half (2.5) on a four-point (4.0) scale, or the equivalent on another scale;

56. Have at least a ninety-five percent (95%) attendance record overall for grades nine through twelve (9–12);

67. Have performed fifty (50) hours of unpaid tutoring or mentoring, of which up to twenty-five percent (25%) may include job shadowing, prior to high school graduation, except—

A. When there are circumstances beyond a student's control, the high school may extend the time period for completing this requirement on a case-by-case basis, not to exceed six (6) months beyond high school graduation;

78. Beginning with the high school senior class of 2015, meet one (1) of the following indicators of college preparedness, unless the A+ school district has met all of the Department of Elementary and Secondary Education's requirements for waiver of the Algebra I end-of-course exam for the recipient:

A. Have achieved a score of proficient or advanced on the official Algebra I end-of-course exam, or a higher level DESE approved end-of-course exam in the field of mathematics; or

B. Meet other criteria established by the CBHE. The CBHE will develop these criteria in consultation with participating A+ institutions and ~~designated~~A+ designated high schools and may revise these criteria annually;

89. Have maintained a record of good citizenship and avoidance of the unlawful use of drugs and/or alcohol while in grades nine through twelve (9–12). Student participation in the Constitution Project of Missouri may be included in a student's record of good citizenship in accordance with the A+ designated high school's policy;

910. Be admitted as a regular student, ~~and~~ enroll in an eligible program, and attend on a full-time basis a participating institution, except that students in the following circumstances may be enrolled less than full time:

A. The student is enrolled in all of the available hours applicable to the student's program of study in a given term;

B. The student is participating in a required internship; or

C. The student is enrolled in prerequisite courses that do not require full-time enrollment;

~~1011.~~ Not be enrolled or intend to use the award to enroll in a course of study leading to a degree in theology or divinity;

~~112.~~ Not have a criminal record preventing receipt of federal Title IV student financial aid;

~~12~~13. Meet the institution's definition of satisfactory academic progress as determined by the participating institution's policies as applied to other students at the participating institution receiving assistance under federal Title IV student financial aid programs, with the exception of cumulative grade point average (CGPA). The student must achieve a minimum CGPA of two (2.0) on a four-point (4.0) scale, or the equivalent on another scale, at the end of the fall semester for semester-based programs, or at the end of the initial payment period for non-semester based programs. The calculation of CGPA shall be based on the participating institution's policies as applied to other students in similar circumstances; and

~~13~~14. For students that receive a positive net disbursement in a given term, maintain eligibility by meeting the following course completion standards. A course is considered complete if the student earns a standard grade for the course, including a failing grade but excluding a grade at withdrawal prior to completion:

A. Complete a minimum of twelve (12) semester credit hours in the fall or spring semester, six (6) credit hours in the summer term, or the equivalent, for students enrolled full-time in ~~a~~-an eligible credit hour program. Students unable to satisfy the statutory minimum requirements for full-time status under the federal Title IV student financial aid programs as a result of a disability as defined by Title II of the Americans with Disabilities Act must complete a minimum of six (6) credit hours, or the equivalent, in any term;

B. Complete a minimum of ninety (90) percent of the clock hours required for the federal payment period, for students enrolled full-time in ~~a~~-an eligible clock hour program; or

C. Complete all of the hours in which the student is enrolled in a given term, for students enrolled less than full-time in accordance with subparagraphs (3)(A)910.A.-C. of this rule.

(B) To qualify for tuition reimbursement under the A+ Scholarship program, a renewal recipient must meet the following criteria:

1. Be admitted as a regular student, ~~and~~ enroll in an eligible program, and attend on a full-time basis a participating institution, except that students in the following circumstances may be enrolled less than full time:

A. The student is enrolled in all of the available hours applicable to the student's program of study in a given term;

B. The student is participating in a required internship; or

C. The student is enrolled in prerequisite courses that do not require full-time enrollment;

2. Meet the institution's definition of satisfactory academic progress as determined by the participating institution's policies as applied to other students at the participating institution receiving assistance under federal Title IV student financial aid programs, with the exception of cumulative grade point average (CGPA). The student must achieve a minimum CGPA of two and one-half (2.5) on a four-point (4.0) scale, or the equivalent on another scale. The calculation of CGPA shall be based on the participating institution's policies as applied to other students in similar circumstances;

3. For students that receive a positive net disbursement in a given term, maintain eligibility by meeting the following course completion standards. A course is considered complete if the student earns a standard grade for the course, including a failing grade but excluding a grade at withdrawal prior to completion.

A. Complete a minimum of twelve (12) semester credit hours in the fall or spring semester, six (6) credit hours in the summer term, or the equivalent, for students enrolled full-time in a credit hour program. Students unable to satisfy the statutory minimum requirements for full-time status under the federal Title IV student financial aid programs as a result of a disability as defined by Title II of the Americans with Disabilities Act must complete a minimum of six (6) credit hours, or the equivalent, in any term;

B. Complete a minimum of ninety (90) percent of the clock hours required for the federal payment period, for students enrolled full-time in a clock hour program; or

C. Complete all of the hours in which the student is enrolled in a given term, for students enrolled less than full-time in accordance with subparagraphs (3)(A)910.A.–C. of this rule; and

4. Make a good-faith effort to secure all federal sources of funding that could be applied to tuition before the award is disbursed but no later than the deadline established by the CBHE.

(C) The department will review written appeals of its eligibility policy in the following circumstances:

1. The student failed to make a good-faith effort to secure all federal sources of funding that could be applied to tuition; or

2. The student failed to meet the grade point average requirement as a result of a documented medical reason.

#### (4) Award Policy.

(A) A+ tuition reimbursement for institutions with credit-hour programs shall occur each semester within one (1) award year.

(B) A+ tuition reimbursement for institutions with clock-hour programs shall be made in installments determined by the department annually.

(C) Student eligibility for the A+ Scholarship expires at the earliest of the following, except a student who is eligible at the beginning of a term may receive A+ tuition reimbursement for the full term in which the expiration criterion is met:

1. Forty-eight (48) months after high school graduation as documented on the high school transcript;

2. Receipt of an associate's degree; or

3. Completion of one hundred five percent (105%) of the hours required for the eligible program in which the student is currently enrolled.

A. For a student seeking a first certificate or degree, calculation of the one hundred five percent (105%) shall include:

(I) All known hours completed at any participating A+ institution, including those earned as part of coursework designated as remedial or developmental or included in an ineligible program; and

(II) All hours accepted in transfer by an A+ participating institution from an institution that is ineligible for A+ participation.

B. For a student seeking a first certificate or degree, calculation of the one hundred five percent (105%) shall not include:

(I) Postsecondary hours earned for work performed before high school graduation. Such hours shall include, but not be limited to, those earned through dual credit, dual enrollment, technical education articulation, Advanced Placement, or international baccalaureate programs; and

(II) Hours earned at a postsecondary institution that is ineligible for A+ participation that are not accepted in transfer by an A+ participating institution.

C. For a student who has received a postsecondary certificate and enrolls in an eligible program leading to a related, higher-level certificate or degree, calculation of the one hundred five percent (105%) shall include:

(I) All hours that are applied toward the related, higher-level program; and

(II) All known hours completed after receipt of the most recent certificate at any participating A+ institution, including those earned as part of coursework designated as remedial or developmental or included in an ineligible program; and

(III) All hours completed after receipt of the most recent credential that are accepted in transfer from an institution that is ineligible for A+ participation.

D. For a student who has received a postsecondary certificate and enrolls in a program leading to a related, higher-level certificate or degree, calculation of the one hundred five percent (105%) shall not include:

(I) Postsecondary hours earned for work performed before high school graduation. Such hours shall include, but not be limited to, those earned through dual credit, dual enrollment, technical education articulation, Advanced Placement, or international baccalaureate programs; and

(II) All hours that are not applied toward the related, higher-level program; and

(III) All hours completed at an institution that is ineligible for A+ participation after receipt of the most recent certificate that are not accepted in transfer by an A+ participating institution.

(D) If an initial recipient is unable to enroll or a renewal recipient ceases attendance for the purpose of providing active duty service in any branch of the armed forces of the United States, the eligibility of the student under paragraph (4)(C)1. of this rule that remains will be deferred for the period of the service as documented on the student's DD214 form. The student must return to full-time status, or qualify for an exception to the full-time status requirement, within twelve (12) months of the end of military service and provide verification to the department that the military service was satisfactorily completed to retain eligibility. Calculation of the twelve (12) months will begin on the first of the month following the student's discharge from service. The recipient's eligibility under paragraph (4)(C)1. of this rule that remains will be calculated from the first day of the month following the student's return to full-time status or other qualifying enrollment.

(E) For a student concurrently seeking more than one (1) certificate or degree in more than one (1) eligible program, reimbursement will be made to, and the calculation of the one hundred five percent (105%) eligibility limit will be made by, the institution providing the highest outcome, unless the student provides written notification specifying otherwise to all institutions in which the student is enrolled.

(F) Reimbursement will be as specified for the following categories of coursework required for an eligible program:

1. Completed coursework for which a grade is assigned under the institution's standard grading policy, including remedial coursework and coursework assigned a grade of Incomplete, and that is required by the institution for the completion of a certificate or degree will be reimbursed;

2. Coursework from which the student officially or unofficially withdrew will be reimbursed, provided the withdrawal results in failure to meet the requirements defined in paragraph (3)(A)~~1314~~. or (3)(B)3. of this rule;

3. Coursework for which a standard grade was not assigned, including, but not limited to, the following is not eligible for reimbursement:

A. Coursework from which the student officially or unofficially withdrew, provided the student continues to meet the requirements defined in paragraph (3)(A)~~1314~~. or (3)(B)3. of this rule; or

B. Coursework from which the student was terminated;

4. Institutions can use any of the following options to adjust a student's award amount to exclude coursework that is not eligible for reimbursement:

A. Deduct the amount reimbursed for such coursework from subsequent reimbursement requests;

B. Omit such coursework from the current reimbursement request; or

C. Return the amount reimbursed for such coursework in accordance with subsection 6 CSR 10-2.140(5)(C);

5. Repeat coursework will not be reimbursed; and

6. Coursework in an eligible program that is part of a higher level certificate or a degree that is taken after receipt of a certificate will be reimbursed provided that the certificate or degree is in a field related to the original certificate received.

(G) For a student that fully establishes eligibility by meeting the criteria established for that student's graduating high school class in accordance with subparagraph (3)(A)78.B. of this rule, reimbursement may be made for the term in which the student meets the criteria provided the student has established such eligibility prior to the institution's submission of the reimbursement request to the department.

(H) The amount of the A+ tuition reimbursement must be calculated based on the remaining costs of actual tuition and fees after any federal sources of funding have been applied and any deductions have been made for reimbursement of coursework for which a standard grade was not assigned, including coursework from which the student officially or unofficially withdrew or was terminated.

(I) The amount of an A+ tuition reimbursement must be reduced by the amount of any federal sources of funding received by, or on behalf of, an initial or renewal recipient and, when applicable, any adjustments required in paragraph (4)(F)3. of this rule.

(J) The amount of the A+ tuition reimbursement is subject to legislative appropriation.

(K) If the appropriated funds exceed the amount necessary to fund tuition and fees, up to fifty percent (50%) of book costs may be reimbursed.

(L) If insufficient funds are available to pay all eligible students the full amount of tuition and fees calculated in subsection (4)(H) of this rule, the department may take any of the following measures to address the shortfall in order to ensure the A+ tuition reimbursement does not exceed the appropriation:

1. Reduce the number of hours eligible for reimbursement; or

2. If projections indicate that the measure cited above is inadequate to address the funding shortfall, the department shall, as soon as may practicably be accomplished, make available for public comment a plan containing at least two (2) options to ensure that total A+ tuition reimbursements do not exceed the appropriation. Such plan shall be distributed to all participating institutions and the department shall accept public comments on the plan for no less than thirty (30) days before publication in a CBHE board book. No plan for accommodating the additional shortfall shall be approved before it has been on the agenda of a regularly scheduled CBHE meeting and an opportunity for public comment at the CBHE meeting has been provided.

(M) The hourly tuition rate used to calculate the A+ tuition reimbursement shall not exceed the published standard per credit hour tuition rate charged by State Technical College of Missouri.

1. Institutions with high need programs that have tuition charges above this limit may apply to the department for a waiver of this requirement on a program-by-program basis.

2. The federal credit hour to clock hour conversion calculation will be applied to institutions with clock hour programs.

(N) Financial aid must be applied to tuition and general fees in the following order:

1. First, all available federal sources of funding; and
2. Second, A+ tuition reimbursement.

(O) Award amounts may be increased or decreased at the department's discretion based on availability of funds for distribution during the award year.

(P) A student who has been denied A+ tuition reimbursement for lack of satisfactory academic progress may not receive another A+ tuition reimbursement until the enrollment period after the applicable standard has once again been met.

(Q) A student who has been denied A+ tuition reimbursement for failing to meet the requirements defined in paragraphs (3)(A)~~13~~<sup>14</sup>. or (3)(B)3. of this rule may not receive another A+ tuition reimbursement until the enrollment period after the student successfully completes the remaining number of credit or clock hours required for the term in which the student lost eligibility.

(R) No A+ tuition reimbursement will be made retroactive to a previous award year. An A+ tuition reimbursement will be made retroactive to a previous semester or payment period only upon the sole discretion of the department.

(S) A+ tuition reimbursement will be made only after institutional certification of the student's eligibility and the amount of the A+ tuition reimbursement.

(T) The applicant's award will be sent to the approved institution to be delivered to the student's account. The institution shall retain the portion of the award that the student owes for expenses and promptly give the applicant any remaining funds.

~~(U)~~(U) An eligible student's failure to provide required information by the established deadlines may result in loss of the A+ Scholarship for the period covered by the deadline.

~~(V)~~(V) The CBHE has the discretion to withhold payments of any A+ tuition reimbursements after initiating an inquiry into the eligibility or continued eligibility of a student or into the participation status of an institution.

~~(W)~~(W) An eligible student may transfer the A+ Scholarship from one (1) participating institution to another without losing eligibility for assistance, but the department shall make any necessary adjustments in the amount of the award.

(5) Information Sharing Policy. All information on an individual's A+ Scholarship application will be shared with the financial aid office of the institution to which the individual has applied, or is attending, to permit verification of data submitted. Information may be shared with federal financial aid offices, if necessary, to verify data furnished by state or federal governments as provided for in the Privacy Act of 1974, 5 U.S.C. sections 552, 552a.

*AUTHORITY: section 160.545, RSMo Supp. 2015\* and Executive Order 10-16, dated January 29, 2010. Original rule filed Feb. 17, 2011, effective Oct. 30, 2011. Amended: Filed Dec. 13, 2012, effective June 30, 2013. Amended: Filed Sept. 15, 2014, effective March 30, 2015. Amended: Filed Feb. 16, 2016, effective July 30, 2016.*

*\*Original authority: 160.545, RSMo 1993, amended 2002, 2008, 2009, 2010, 2014, 2015.*

## AGENDA ITEM SUMMARY

### AGENDA ITEM

Coordinating Board for Higher Education  
Student Loan Program Update  
September 8, 2016

### DESCRIPTION

The purpose of this agenda item is to update the CBHE about the recent activity of the MDHE guaranty agency.

#### **Default Prevention Grants**

MDHE recently awarded Default Prevention Grants of more than \$745,000 to 30 Missouri postsecondary institutions. The MDHE Default Prevention Grant Program is in its 16<sup>th</sup> year and was created to encourage postsecondary institutions to implement campus-based default prevention and financial literacy programs. The MDHE Default Prevention Grant Program is one of MDHE's efforts to help students make smart borrowing decisions and develop healthy financial habits. Currently, Missouri's cohort default rate is 11.3 percent, which is down from last year's rate of 12.6 percent and lower than the national average of 11.8 percent.

#### **Journey to College**

Journey to College Day took place in Jefferson City on July 26. Approximately 80 high school counselors, financial aid personnel and college access advocates attended the event. During the event, participants heard updates on Missouri's state financial aid programs, FAFSA completion project and Journey to College programs. Additional sessions included information about homeless youth, college fit and changes to the Free Application for Federal Student Aid.

Registration for 2016-2017 Journey to College programs concluded on Aug. 12, 2016. This year's registrations include 91 Apply Missouri sites, 122 FAFSA Frenzy sites and 82 Decision Day sites. Included in those numbers are 63 high schools that will participate in all three Journey to College programs, up from last year's 26.

*Preparing Missourians to Succeed: A Blueprint for Higher Education* suggests that Missouri should increase efforts to help students complete college admissions and financial aid applications as one strategy to improve college attainment rates. The MDHE Journey to College initiative works toward that goal by assisting Missouri high school students with the steps necessary to access postsecondary education. In addition to the three major programs, Apply Missouri, FAFSA Frenzy and Decision Day, Journey to College efforts include publications, social media, statewide presentations and training.

### RECOMMENDED ACTION

This is an information item only.

### ATTACHMENT(S)

**Attachment – 2017 Default Prevention Grant Awards**

Coordinating Board for Higher Education  
September 8, 2016

## 2017 MDHE Default Prevention Grant Recipients

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- Avila University
- Cape Girardeau Career & Technology Center
- Columbia College
- Cox College
- Drury University
- East Central College
- Fontbonne University
- Harris-Stowe State University
- Jefferson College
- Lincoln University
- Mineral Area College
- Missouri Southern State University
- Missouri State University
- Missouri University of Science and Technology
- Missouri Valley College
- Missouri Western State University
- Moberly Area Community College
- North Central Missouri College
- Ozarks Technical Community College
- Saline County Career Center
- St. Charles Community College
- St. Louis College of Health Careers
- St. Louis Community College
- State Fair Community College
- State Technical College of Missouri
- Stephens College
- Truman State University
- University of Missouri-Columbia
- Webster University
- Wentworth Military Academy & College

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Five-Year Review of Provisionally-Approved Programs  
Addendum to the Policy for Review of New Academic Programs  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

Chapter 173 of the Missouri Revised Statutes charges the Coordinating Board for Higher Education with several responsibilities, including the approval of proposed new degree programs to be offered by the state institutions of higher education, collecting necessary information and data for all institutions, and recommending the consolidation or elimination of programs as deemed in the best interest of the institutions. Beginning July 1, 2011, the CBHE began approving all new programs provisionally with a subsequent review and consideration for full approval after five years. This board item outlines the specific criteria to be utilized by the MDHE in reviewing provisionally-approved programs. The MDHE recommends the following criteria be utilized for the Five-Year Provisional Review of new academic programs.

#### Background

The proliferation of new academic programs resulted in the governor requesting a special Statewide Review of Existing Academic Programs in fall 2010. One recommendation resulting from the special review was the concept of provisional approval for new academic programs. In making the recommendation, the MDHE determined that withholding unconditional approval of an academic program until the program could demonstrate that it was performing as projected was an appropriate use of the CBHE's authority to review and approve new programs, as well as its responsibilities for statewide coordination of higher education.

Effective July 1, 2011, the CBHE began giving provisional approval to all new academic programs proposed by public institutions, with subsequent review in five years. Based on this review, the CBHE may approve the program unconditionally, require a follow-up review of the program in two years, or disapprove the program and recommend termination unless there are compelling justifications for its continuation. The list of programs that are due for review in September 2016 are attached [Attachment A].

#### Academic Program Review Criteria

The CBHE has guidelines in place as part of the initial provisional program review process requiring institutions to provide evidence of the following:

- Alignment with institutional mission
- Demonstrable need-based upon projected societal, occupational, and student needs
- Programs are not unnecessarily duplicative
- Program structure
- Efficient use of resources
- Benefits of collaboration

The CBHE has also identified the following criteria for existing program review:

- Centrality to the institution's mission

Coordinating Board for Higher Education  
September 8, 2016

- Objective evidence in meeting statewide needs or goals
- Maintaining a critical mass of majors
- Maintaining sufficient resources for the program
- Graduate annually an average, calculated over the prior three years, of at least ten graduates for associate/bachelor's programs; five for master's programs; and three for doctoral programs.

With these factors in mind, the following are the proposed criteria for the five-year review of provisionally-approved academic programs [Attachment B]:

**Criteria 1:** Actual versus projected enrollment data

**Criteria 2:** Satisfactory Academic Progress

**Criteria 3:** Student Retention

**Criteria 4:** Actual versus projected completions

**Criteria 5:** Assessment Results

**Criteria 6:** External Awards or Recognition

#### Procedure for Review

1. MDHE will identify programs to be reviewed and send an initial letter informing the institution of the review and the timeline for the review.
2. MDHE will develop a preliminary report with analysis and findings based on the criteria above and send to the institution. For programs recommended for termination, MDHE will ask the institutions to submit the actions they will take on low performing and duplicate programs.
3. Institutions with programs preliminarily recommended for deletion or inactivation will be provided the opportunity to confirm or submit corrected data to MDHE for review and additional comment.
  - a. If an institution intends to delete or inactivate the program, institutions will be asked to submit a Program Change Form (FORM PC) indicating the program is to be deleted/inactivated.
  - b. If an institution intends to keep the program, it must justify that decision to the MDHE by submitting a narrative summary and appropriate documents and data supporting one of the following justifications:
    - i. Incorrect data
    - ii. Centrality of program to institutional mission
    - iii. Program supports other existing programs
    - iv. Program meets statewide needs
  - c. MDHE staff will review responses from institutions and submit final findings to the institution.
4. MDHE staff will submit the final findings report with recommendations to the CBHE. Upon completion of the review, programs will be recommended for one of three levels: full approval, recommended termination of the program, or continued provisional review with follow-up in two years.

The full criteria and procedure for review has been vetted by the Council of Chief Academic Officers and sent to institutional chief academic officers for review and comment. At this time, there are no significant concerns with the criteria and procedure as outlined.

### Conclusion

Academic program review is an essential component for achieving the programmatic initiatives contained in the CBHE statewide plan for higher education, *Preparing Missourians to Succeed: A Blueprint for Higher Education*, which is focused on ways to increase the percentage of Missourians earning a high-quality two- or four-year degree or career or technical certificate. Program review provides a vehicle for ensuring that higher education programs are responsive to the knowledge and skills students need for a rapidly changing world and workplace, while ensuring efficient use of state resources.

### **STATUTORY REFERENCE**

Sections 173.005.2(1), 173.005.2(8), 173.005.11, 173.030(1), and 173.030(2), RSMo, Statutory requirements regarding CBHE approval of new degree programs.

### **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board for Higher Education approve the criteria and procedures proposed for the Five-Year Review of Provisionally-Approved Programs as an addendum to the CBHE Policy for the Review of Academic Programs.**

### **ATTACHMENT(S)**

Attachment A: Programs for Review September 2016

Attachment B: Proposal for the Five Year Review of Provisionally-Approved Programs

**Programs for Five-Year Review  
September 2016**

<b>Institution</b>	<b>Date Approved</b>	<b>Program name</b>	<b>Review Date</b>
Crowder College	September 2011	C1, Accounting (main and offsite)	September 2016
Jefferson College	September 2011	AAS, Respiratory Therapy	September 2016
Missouri Southern State University	September 2011	BA, Music Industry	September 2016
Missouri State University-West Plains	September 2011	AAS, Allied Health	September 2016
Moberly Area Community College	September 2011	AAS, Marketing/Management (offsite)	September 2016
Moberly Area Community College	September 2011	C1, Marketing/Management (offsite)	September 2016
Northwest Missouri State University	September 2011	GRCT, Career and Technical Education (offsite)	September 2016
Southeast Missouri State University	September 2011	MS, Organizational Management	September 2016
St. Louis Community College-Wildwood	September 2011	AFA, Associate of Fine Arts	September 2016
State Fair Community College	September 2011	AAS, Health Information Technology	September 2016
State Fair Community College	September 2011	C1, Medical Office Assistant	September 2016
Three Rivers Community College	September 2011	AAS, Geographic Information Systems	September 2016
Three Rivers Community College	September 2011	C1, Geographic Information Systems	September 2016
University of Central Missouri	September 2011	BFA, Musical Theatre	September 2016

**Missouri Department of Higher Education**  
**Proposal for the Five Year Review of Provisionally-Approved Programs**  
**Addendum to the CBHE Policy for Review of Academic Programs**

**Statutory Authority**

Chapter 173 of the Missouri Statutes charges the Coordinating Board for Higher Education with several responsibilities, including:

- ... approval of proposed new degree programs to be offered by the state institutions of higher education . . . (Section 173.005(1), RSMo)
- ... collect the necessary information and develop comparable data for all institutions of higher education in the state . . . (Section 173.005(8), RSMo)
- ... requesting the governing boards of all state-supported institutions of higher education and of major private institutions to submit . . . proposed policy changes . . . and make pertinent recommendations relating thereto . . . (Section 173.030(1), RSMo)
- ... recommending to the governing board of any institution of higher education in the state the development, consolidation or elimination of programs, degree offerings, physical facilities or policy changes where that action is deemed . . . in the best interests of the institutions . . . (Section 173.030(2), RSMo)

Effective July 1, 2011, the CBHE began giving a five-year provisional approval to all new academic programs proposed by public institutions. After five years the provisionally-approved program will be reviewed again by the CBHE. Based on this review, the CBHE may approve the program unconditionally; require a follow-up review of the program in two years; or disapprove the program.

**Proposed Methodology for MDHE Review**

The CBHE has guidelines in place as part of the initial provisional program review process requiring institutions to provide evidence of the following:

- Alignment with institutional mission
- Demonstrable need based upon projected societal, occupational, and student needs
- Programs are not unnecessarily duplicative
- Program structure
- Efficient use of resources
- Benefits of collaboration

The CBHE has also identified the following criteria for existing program review:

- Centrality to the institution's mission
- Objective evidence in meeting statewide needs or goals
- Maintaining a critical mass of majors and having sufficient resources and facilities to keep the program vibrant and viable.
- Graduate annually an average, calculated over the prior three years, of at least ten graduates for associate/bachelor's programs; five for master's programs; and three for doctoral programs.

For the five-year review, MDHE requests that the institution review and confirm enrollment and graduation data for the program, a brief summary of program performance, and other materials or information at the institution's discretion.

### Review Criteria

The following are proposed criteria for the five year review of provisionally-approved programs:

#### **Criteria 1: Actual versus projected enrollment data (5 years)**

Data collected: Original program proposal student enrollment projections; actual total enrollment in program since provisional approval; MDHE EMSAS or IPEDS

#### **Criteria 2: Satisfactory Academic Progress**

Data collected: Number and percent of full-time students making satisfactory academic progress, e.g. having completed 24 credits with a 2.0 GPA; IPEDS or EMSAS

#### **Criteria 3: Student Retention**

Data collected: Number and percent of full-time students retained in program; IPEDS or EMSAS

#### **Criteria 4: Actual versus projected completions (3 years)**

Data collected: Average annual number of graduates calculated over the prior three years, of at least 10 graduates at the associate or baccalaureate degree level, five graduates at the master's degree level, and three graduates at the doctoral degree level.

#### **Criteria 5: Assessment Results (5 years)**

Data collected: Submit assessment results and explain the how the results have been used to make improvements to the program. Provide information on student learning outcomes for the program and how the SLO's were evaluated.

#### **Criteria 6: External Awards or Recognition**

Data collected: Describe any external awards or other recognition of the students, faculty, and/or program over the past five years. Include any awards from disciplinary associations, nonprofit organizations, governmental agencies, or any external entities that recognize the accomplishments of this program. Describe accomplishments related to student work, faculty teaching and research, and other elements of your program. Describe any specialized accreditation attained by the program.

Upon completion of the review, programs will be recommended for one of three levels:

- **Full Approval**
- **Recommended Termination of Program**
- **Continued provisional review with follow-up in two years**

### Procedure

1. MDHE will identify programs to be reviewed and send an initial letter to the institution informing of the review and the timeline for the review.
2. MDHE will develop a preliminary report with analysis and findings based on the criteria above and send to the institution. For programs recommended for termination, MDHE

will ask the institutions to submit the actions they will take on low performing and duplicate programs.

3. Institutions with programs preliminarily recommended for deletion or inactivation will be provided the opportunity to confirm or submit corrected data to MDHE for review and additional comment.
  - a. If an institution intends to delete or inactivate the program, institutions will be asked to submit a FORM PC indicating the program to be deleted/inactivated.
  - b. If an institution intends to keep the program, it must justify that decision to the MDHE by submitting a narrative summary and appropriate documents and data supporting one of the following justifications:
    - i. Incorrect data
    - ii. Centrality of program to institutional mission
    - iii. Program supports other existing programs
    - iv. Program meets statewide needs
  - c. MDHE staff will review responses from institutions and submit final findings to the institution.
4. MDHE staff will submit the final findings report with recommendations to the CBHE.

DRAFT

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Proprietary School Certification Actions and Reviews  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

The Missouri Department of Higher Education's Proprietary School Certification Program provides oversight of certain types of Missouri-based and out-of-state private, postsecondary education providers. The intent of this board item is to provide an update on current issues regarding the Proprietary School Certification Program as well as a summary of recent program actions.

### **Recent Program Actions**

All program actions that have occurred since the June 9, 2016, Coordinating Board meeting are reported in the attachment to this item. The report includes information concerning anticipated actions on applications to establish new postsecondary education institutions, exemptions from the department's certification requirements, and school closures.

### **STATUTORY REFERENCE**

Sections 173.600 through 173.619, RSMo, Regulation of Proprietary Schools.

### **RECOMMENDED ACTION**

This is an information item only.

### **ATTACHMENT(S)**

Proprietary School Certification Program Actions and Reviews

**Coordinating Board for Higher Education  
Proprietary School Certification Program Actions and Reviews**

***Certificates of Approval Issued (Authorization for Instructional Delivery)***

CNA Training Academy  
St. Louis, Missouri

This private, for-profit institution offers a non-degree program in nurse assisting that prepares the graduate to become certified through the Department of Health and Senior Services. The school is not accredited.

***Certificates of Approval Issued (Authorization Only to Recruit Students in Missouri)***

None

***Exemptions Granted***

None

***Applications Pending Approval (Authorization for Instructional Delivery)***

Aspire Healthcare Solutions  
Florissant, Missouri

This for-profit partnership institution seeks to offer a non-degree program in nurse assisting. The mission of the school is to empower students to better their lives and contribute positively to the communities in which they work and live. The school is not accredited.

Bell-Brown Medical Institute  
Florissant, Missouri

This for-profit partnership institution seeks to offer non-degree programs in patient care technician, phlebotomy, and electrocardiogram technician. The mission of the school is to provide well-trained, highly skilled ancillary support health care professionals. The school is not accredited.

Hardon Educational Institute  
St. Louis, Missouri

This private, for-profit institution seeks to offer a non-degree program in nurse assisting. The mission of the school is to prepare students to serve individuals, families, and communities as holistic providers with...attributes befitting of a health care professional. The school is not accredited

Online Training Center  
Florissant, Missouri

This private, for-profit institution seeks to offer several non-degree programs in information technology and allied health. The mission of the school is to provide a computer and educational training program for interested individuals to develop employment potential. The school is not accredited.

***Applications Pending Approval (Authorization Only to Recruit Students)***

DeVry University  
Downer's Grove, Illinois

This private, for-profit school proposes to recruit Missouri students for certificate and degree distance education programs in business, information technology, health care, education, and leadership. The school's mission is to foster student learning through high-quality, career-oriented education integrating technology, science, business and the arts. The school is accredited by the Higher Learning Commission of the North Central Association.

***Schools Closed***

Cox College  
Springfield, Missouri

Cox College, accredited by the Higher Learning Commission, was approved to offer programs in nursing and allied health. Cox College initially sought and received certification in order to verify state authorization to the USDE for Title IV purposes. The school has since separately incorporated from the hospital to become a private, not-for-profit hospital-based higher education institution that meets state authorization standards. As a consequence, the school applied for and received exemption from state certification statutes. Department staff monitored the changeover from certification to exemption to ensure enrolled students will be able to complete their programs of instruction and verified the appropriate storage of all student related records, as required by Missouri statutes.

Olivet Nazarene University (SARA)  
Bourbonnais, Illinois

Olivet Nazarene University, accredited by the Higher Learning Commission, was approved to offer a bachelor's degree in business administration and master's degrees in school leadership and curriculum and instruction. The school made the decision not to seek recertification to operate in Missouri as it has been approved by the state of Illinois for participation in the State Authorization Reciprocity Agreement (SARA). Department staff is monitoring the process to ensure Missouri students are able to complete their program of instruction and will verify the appropriate storage of all student related records, as required by Missouri statutes.

The George Washington University  
Washington, DC

The George Washington University, accredited by the Middle States Association of Colleges and Schools, was approved to offer master's degrees in public health, health administration, and systems engineering. The school made the decision not to seek recertification to operate in Missouri as the programs requiring a supervised externship in the state would no longer be offered, and the school would only maintain distance education programs that would not trigger a physical presence. Department staff monitored the closure to ensure enrolled students were able to complete their programs of instruction and verified the appropriate storage of all student related records, as required by Missouri statutes.

University of Phoenix – Springfield  
Springfield, Missouri

University of Phoenix-Springfield, accredited by the Higher Learning Commission, was approved to offer certificate and degree programs in business administration, information technology, health care, and criminal justice. The school's owner made the decision to close and completed the teach-out process for enrolled students. Department staff monitored the closure process to ensure Missouri students were able to complete their programs of instruction and verified the appropriate storage of all student related records, as required by Missouri statutes.

University of Northwestern Ohio  
Lima, Ohio

University of Northwestern Ohio, accredited by the Higher Learning Commission, was approved to recruit Missouri students for certificate and degree programs in business administration, automotive technologies, paralegal, and tourism and hospitality. The school made the decision not to seek recertification to operate in Missouri as it has been approved by the state of Ohio for participation in SARA. Department staff is monitoring the process to ensure enrolled students are able to complete their program of instruction and will verify the appropriate storage of all student related records, as required by Missouri statutes.

University of Phoenix – Online  
Tempe, Arizona

University of Phoenix, accredited by the Higher Learning Commission, was approved to recruit Missouri students for certificate and degree programs in business administration, health care, nursing, education, and information technology. The school made the decision not to seek recertification to operate in Missouri as it has been approved by the state of Arizona for participation in the State Authorization Reciprocity Agreement (SARA). Department staff is monitoring the process to ensure enrolled students are able

to complete their program of instruction and will verify the appropriate storage of all student related records, as required by Missouri statutes.

***Certifications Denied***

None

## AGENDA ITEM SUMMARY

### AGENDA ITEM

Preliminary Report on the Condition of College and Career Readiness  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

This agenda item summarizes the preliminary findings of the first annual *Report on the Condition of College and Career Readiness*. This is the first such report following the implementation of the *Principles of Best Practice in Remedial Education*.

### Background

HB 1042 directed the Coordinating Board to require all public institutions of higher education to “replicate best practices in remediation.” In 2013, the CBHE approved the *Principles of Best Practice in Remedial Education* to guide compliance with HB 1042’s mandate. Section 11.3 of the *Principles* charges the CBHE to “transmit annually an analysis of data to appropriate state level bodies.”

### Methodology

MDHE staff worked with members of the Committee on College and Career Readiness to develop a comprehensive, mixed-method survey that will be administered annually to public institutions of higher education to assess institutional performance in the delivery of remedial education, as well as institutional compliance with the provisions of 173.005 RSMo. Topics surveyed addressed specific “best practices” as identified in the *Principles of Best Practice in Remedial Education*. They included whether institutions offer remedial education courses, the types of supplemental support and intervention strategies institutions used, whether institutions offer alternative remedial education models, institution placement practices, and threshold policies and practices.

The MDHE distributed an 11-question qualitative survey in October 2015 to all 27 public institutions. Twenty-seven institutions (100 percent) completed and returned the survey.

### Summary of Findings

#### Responses

- Twenty-seven (100 percent) responded to the 2015 Remedial Education survey.
  - Twenty-five institutions (92.6 percent) reported offering remedial education.
  - Two institutions, Missouri University of Science & Technology and Truman State University, reported that they do not offer remedial education.

#### Additional Support or Supplemental Services

- Twenty-five institutions (92.6 percent) reported that they provide additional supports for students taking remedial education courses.
  - Twenty-five institutions (92.6 percent) offer additional tutoring/mentoring, and all but one offer additional advising.
  - Eighteen institutions (66.6 percent) provide labs/workshops; 19 institutions (70.4 percent) offer student success courses.

Coordinating Board for Higher Education  
September 8, 2016

- Twelve institutions (44.4 percent) offer other supports, such as supplemental instruction, student success programs (e.g., bridge programs), self-paced instruction, make-up test accommodations, early alert systems, and student programs to track attendance.

#### Alternative Remedial Education Models

- Twenty-one institutions (77.8 percent) offer some type of an alternative remedial education model; six do not.

#### Early Intervention Strategies

- Nineteen institutions (70.4 percent) offer early intervention strategies to help students avoid remediation.

#### Placement Tests to Assess Students' Skills

- Twenty-five institutions (92.6 percent) reported that they currently use a standardized assessment to place students in remedial or credit-bearing courses.
  - Nineteen institutions (70.4 percent) adhere to the statewide placement scores identified in *Principles of Best Practice in Remedial Education*.
  - Eleven institutions (40.7 percent) use multiple measures as part of the placement process.
  - Nine institutions (33.3 percent) have developed formal guidance to help staff place students.

#### Minimal Academic Competence

- Ten institutions (37 percent) assess students' minimal level of academic competence.
- Ten institutions (37 percent) have Adult Education Literacy programs on their campuses.

#### Discussion of Preliminary Findings

A fuller discussion of our findings will be included in the final *Report on the Condition of College and Career Readiness*. However, it seems an appropriate time to bring to the Coordinating Board for discussion the matter of institutional compliance with the *Principles of Best Practice in Remedial Education*. The board's statutory obligation is clear: the CBHE "shall require all public two-year and four-year higher education institutions to replicate best practices in remediation identified by the coordinating board and institutions." What is less clear is what the CBHE should or can do if institutions are not replicating best practices in remedial education.

Of the 25 institutions reporting that they offer remedial education to students, six institutions reported they do not adhere to the statewide placement scores identified in the *Principles of Best Practice in Remedial Education*, and 14 institutions do not use multiple measures to place students in credit-bearing or remedial coursework.

The use of a common statewide placement score is essential for conveying to high school students a consistent definition of what determines college-level content readiness. The use of multiple measures for placement purposes provides a more precise measurement of a student's ability to succeed in college-level coursework. Relying on a single, high-stakes assessment results in many students—especially those who score just under the cut score—being placed

unnecessarily in remedial courses. The Coordinating Board and the MDHE expect full compliance with these key best practices.

### **Conclusion**

A draft copy of the *Report* has been sent to the chief academic officers of all public colleges and universities for their review and comment. The final version of the *Report on the Condition of College and Career Readiness* will be presented to the Coordinating Board at its December meeting.

### **STATUTORY REFERENCE**

Section 173.005.2 (6), RSMo, Statutory requirements regarding CBHE's requirement to identify best practices in remediation and provide oversight of the replication of these best practices by public institutions.

### **RECOMMENDED ACTION**

This is an information item only.

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

Dual Credit Program Update  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

This agenda item summarizes recent events related to the Policy on Dual Credit Delivery and the Early College Advisory Board (ECAB).

### **Background**

The Coordinating Board for Higher Education adopted the Dual Credit policy in 1999. It has been revised three times since then with the current revision approved by the CBHE in June 2015.

In 2014, in collaboration with institutional representatives, MDHE staff began revising the Dual Credit Policy as a first step to address concerns of compliance and other issues in the breadth of dual credit delivery throughout Missouri. The revised policy was approved by the CBHE in June 2015. The revised policy directed the MDHE to establish an Early College Advisory Board consisting of 13 board members to assist the Department in issues related to early college credit.

### **SB 997**

In June 2016 Governor Nixon signed SB 997 into law. Among other things, the bill authorized the CBHE to:

- Promulgate administrative rules governing Missouri's dual credit programs
- Create processes and protocols for institutions to become approved dual credit providers
- Monitor dual credit provider compliance
- Establish fees to cover the costs associated with approved dual credit certification and compliance processes

The bill further required that the MDHE maintain a publicly available listing of all approved dual credit providers and create protocols for annual reporting and compliance processes.

Institutions desiring to be designated as approved dual credit providers must submit an annual dual credit program application to the CBHE on forms provided by the MDHE. Only institutions that have completed the annual reporting and compliance processes are permitted to use the term *approved dual credit provider*.

MDHE began working with the ECAB in October 2015 to assist the Department with early college programs. The current focus is the creation of annual data collection and compliance review instruments, methods, and processes for dual credit provider annual applications and compliance reporting. To further discussions, the MDHE had a designated SharePoint site

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created for the ECAB to exchange documents and information as the current work moves forward.

MDHE has begun posting dual credit document drafts to the ECAB SharePoint site to open discussions with the ECAB about writing the administrative rules and creating instruments, methods and processes to fulfill SB 997 requirements to ensure quality dual credit programs in Missouri.

A tentative timeline (Attachment A) has been established for the completion of all SB 997 dual credit requirements.

### **Conclusion**

Administrative rules and processes governing and standardizing the delivery of dual credit programs will help ensure the quality of dual credit programs throughout Missouri. Hence, students will be able to have greater confidence that their dual credit coursework will prepare them for further postsecondary work and decrease time to degree and the cost of their postsecondary education.

### **STATUTORY REFERENCE**

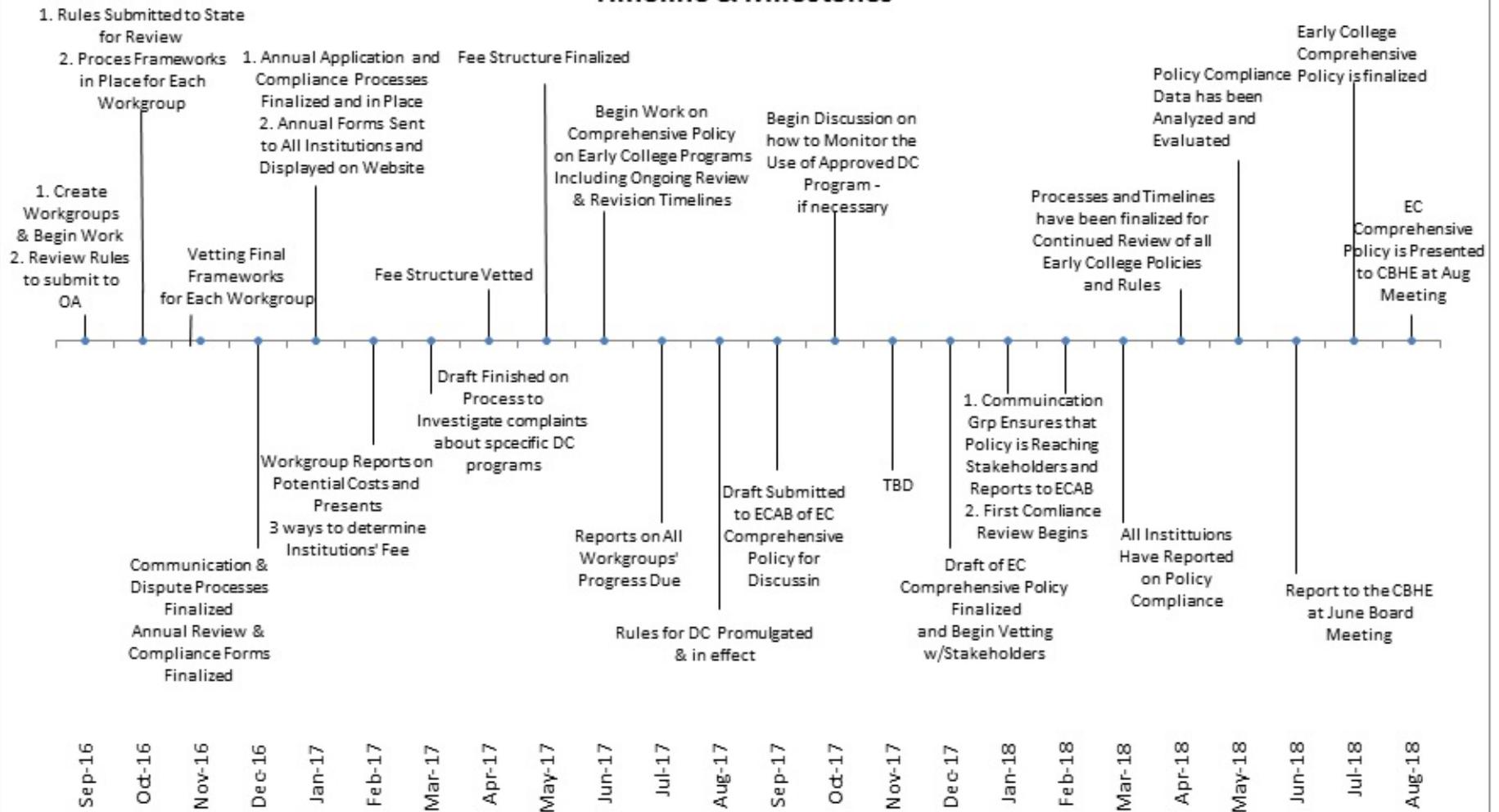
RSMo 173.2500. Dual Credit Certification.

RSMo 167.223.1 Public high schools may, in cooperation with Missouri public community colleges and public or private four-year colleges and universities, offer postsecondary course options to high school students. A postsecondary course option allows eligible students to attend vocational or academic classes on a college or university campus and receive both high school and college credit upon successful completion of the course.

### **RECOMMENDED ACTION**

This is an information item only.

## ECAB Goals Timeline & Milestones



## AGENDA ITEM SUMMARY

### AGENDA ITEM

Audit Committee Report  
Coordinating Board for Higher Education  
September 8, 2016

### DESCRIPTION

#### 1. Department-Wide Audit

On August 8, 2016 the State Auditor's Office (SAO) published its audit of MDHE's program operations. A summary of SAO's findings and recommendations and MDHE's correction action plan follow.

##### *a. Findings and Recommendations*

First, in its evaluation of MDHE-administered student aid programs, the State Auditor's Office (SAO) identified three instances of overpayments to A+ students amounting to a grand total of \$1230. For the A+ Scholarship, institutions identify eligible students and request disbursement from MDHE. MDHE then disburses the aid to the institutions for delivery to eligible students. For the Access Missouri and Bright Flight programs, institutions verify eligibility information housed in MDHE's student aid (FAMOUS) database prior to requesting disbursement. The same disbursement and delivery procedures used for A+ apply to these programs. The SAO recommends that MDHE apply increased scrutiny to information provided by institutions regarding student financial aid eligibility and awards.

Second, SAO identified \$5.2 million in uncollected loans issued between 1998-2005 under MDHE's Advantage Missouri forgivable loan program. SAO recommends devoting agency resources to collecting from borrowers who ceased payments and communications with MDHE.

Third, while the SAO found no breach of confidential information, it believes that MDHE should enhance its written agreements with high schools and colleges that allow access to confidential information on MDHE's financial aid database. The SAO recommends that MDHE require signatories to have undisputable legal authority to bind their respective institutions.

Fourth, MDHE has not historically recorded minutes for work sessions, and could not locate minutes for two closed sessions in 2013. The SAO recommends recording of meeting minutes for CBHE work sessions.

##### *b. Corrective Actions*

Regarding student aid, MDHE will conduct compliance reviews on information provided by institutions pertaining to student eligibility and awards, focusing on the A+ program. Compliance reviews will consist of desk audits of selected institutions and programs to verify

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September 8, 2016

student eligibility and correct award amounts. In the intermediate term, MDHE expects to conduct periodic on-site reviews to verify information and institutional processes. MDHE further committed, as permitted by resources, to modifying its student aid software platform to program additional automatic checks to catch potential errors in institutions' data entries.

Regarding Advantage Missouri, MDHE will research borrower data on the program's original AS/400 server and paper files to determine valid loan balances for roughly 1300 borrowers who have ceased contact with the Department. Based on current staffing levels, and depending on accessibility of the AS/400 server data, this effort will likely take many months. MDHE has requested funding to hire an additional FTE to invest in this project. Following identification of loan statuses and last known addresses, and reorganizing borrower data in a workable electronic format, MDHE anticipates that it will need to contract with an external collections agency to discover the whereabouts of borrowers and reestablish loan repayment or certify loan forgiveness. This step will depend on available resources.

Regarding student aid database access, MDHE has revised its access agreements to require signature of the high school or college CEO, or CEO's documented designee for signature purposes. This will better ensure that the institution and its representative users are bound by confidentiality obligations contained in the agreements.

Finally, MDHE will record minutes of all CBHE work sessions, though historically no action is taken during those sessions.

## **2. Public Higher Education Funding and Affordability Audit**

The General Assembly directed MDHE to implement the Higher Education Student Funding Act (HESFA). HESFA penalizes any institution that, without receiving a waiver from the Commissioner of Higher Education, increases "tuition and required fees" higher than the rate of inflation for the previous calendar year. The SAO audit evaluated HESFA compliance and affordability more generally.

### *a. Findings and Recommendations*

The report first identifies trends in public higher education appropriations and "net tuition and fees" charged by Missouri's 4-year public institutions. While inflation rose by an average of 1.8% over the 2009-2015 audit period, resident undergraduate tuition rose by only 1.6%. During that same period state appropriations for public 4-year institutions declined by 9% per FTE. Appropriations per FTE declined 28% during the period of 2008-2014. The report finds that increasing enrollment from out-of-state and international students, whose tuition is not restricted by HESFA, helped offset declines in appropriation revenue. The report further found that course- and program-specific fees increased by 112% per FTE over the audit period.

The report disagrees with the interpretation of "tuition and *required fees*" adopted by MDHE and the higher education community. In SAO's view, course- and program-specific fees are "required" and therefore any increases should be subject to the inflation cap. The report

recommends, moreover, that MDHE promulgate a formal administrative rule in place of its informal HESFA implementation policy to guide the compliance process.

Finally, the report recommends that MDHE collect and maintain more thorough documentation to verify the tuition and fee data provided by institutions.

b. *Corrective Actions*

MDHE will reassess its legal authority to promulgate an administrative rule that would guide the HESFA compliance process. The rulemaking process would take approximately six months and include comment opportunities for all Missouri institutions of higher education.

MDHE further commits to develop and implement additional verification measures for tuition and fee data provided by institutions. Verification may include requests for documentation such as board and student government meeting minutes, and checking tuition and fee information published on the institutions' websites.

**STATUTORY REFERENCES**

§§ 173.775-796 RSMo (Advantage Missouri Program)

§§ 173.1000-1004 RSMo (Higher Education Student Funding Act)

**RECOMMENDED ACTION**

Information only.

**ATTACHMENTS**

Attachment A – Audit of Department of Higher Education

Attachment B – Audit of Public Higher Education Funding and Affordability



Office of Missouri State Auditor  
**Nicole Galloway, CPA**

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## Higher Education



**Nicole Galloway, CPA**  
Missouri State Auditor

# CITIZENS SUMMARY

## Findings in the audit of the Department of Higher Education

### Student Financial Assistance Programs

The Missouri Department of Higher Education (MDHE) does not have sufficient procedures to ensure scholarships and financial assistance paid on students' behalf comply with program guidelines. The MDHE administers 11 scholarship and financial assistance programs. The largest programs are the Higher Education Academic Scholarship (Bright Flight), A+ Scholarship and Access Missouri Financial Assistance programs. MDHE relies on a department database, the Financial Assistance for Missouri Undergraduate Students (FAMOUS) system, to administer programs but does not sufficiently monitor the validity of data provided by institutions to support eligibility. Additionally, the MDHE does not periodically test the student eligibility determinations made by schools and related documentation or review schools' procedures for making the determinations. Auditors tested payments made on behalf of 60 students. Three of 30 A+ Scholarship payments reviewed exceeded amounts allowable under department regulations because the tuition rate exceeded the maximum allowable rate, the payment was related to coursework from which a student subsequently withdrew, or the student had exceeded the eligibility timeframe.

### Advantage Missouri

The Advantage Missouri Loan Program was established in 1998 to provide forgivable loans to students in approved educational programs who became employed in the state in certain occupational areas of high demand. For each year of employment, one year of the loan would be forgiven. The MDHE has made no new loans since 2005, and now only receives payments on outstanding loans. The standard repayment term is 10 years. MDHE lacks procedures to monitor and resolve amounts due on defaulted loans, and of approximately \$8 million issued to 2,041 students, about \$5.2 million remains unpaid. The MDHE drafted program operating rules to supplement the loan contract, which broadly outlined issues regarding qualifications and terms, but did not officially adopt and promulgate those rules. MDHE personnel indicated borrowers were notified of loan terms before repayment was required, but the MDHE has not followed up on accounts in default status and does not know the current status of each outstanding loan or whether the loan is collectible.

### User Account Management

The MDHE lacks sufficient procedures to ensure access to student financial aid data or other sensitive information is protected. The department's database system, FAMOUS, contains confidential student information such as social security numbers, financial assistance history and test scores. Employees of high schools, colleges and universities may access information in the FAMOUS system. Users submit a user agreement to MDHE, which is signed by the user and by an institutional representative. The department checks the user's title for reasonableness but lacks procedures to ensure the institutional representative was the appropriate individual to authorize FAMOUS access. Written agreements would establish the names and titles of individuals at each institution authorized to sign user agreements as the institutional representative and require prompt notification to the MDHE of individuals no longer needing system access.

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## Board Meeting Minutes

The MDHE did not always comply with the Sunshine Law. The department does not prepare minutes for Coordinating Board for Higher Education (CBHE) work sessions, although sessions constitute public meetings. The CBHE also held two closed minutes in 2013 but did not maintain minutes for one closed meeting and did not record in public minutes certain required information, such as the reason for entering closed session.

In the areas audited, the overall performance of this entity was Fair.\*

\*The rating(s) cover only audited areas and do not reflect an opinion on the overall operation of the entity. Within that context, the rating scale indicates the following:

- Excellent:** The audit results indicate this entity is very well managed. The report contains no findings. In addition, if applicable, prior recommendations have been implemented.
- Good:** The audit results indicate this entity is well managed. The report contains few findings, and the entity has indicated most or all recommendations have already been, or will be, implemented. In addition, if applicable, many of the prior recommendations have been implemented.
- Fair:** The audit results indicate this entity needs to improve operations in several areas. The report contains several findings, or one or more findings that require management's immediate attention, and/or the entity has indicated several recommendations will not be implemented. In addition, if applicable, several prior recommendations have not been implemented.
- Poor:** The audit results indicate this entity needs to significantly improve operations. The report contains numerous findings that require management's immediate attention, and/or the entity has indicated most recommendations will not be implemented. In addition, if applicable, most prior recommendations have not been implemented.

**All reports are available on our Web site: [auditor.mo.gov](http://auditor.mo.gov)**

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# Department of Higher Education

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## **NICOLE GALLOWAY, CPA**

### **Missouri State Auditor**

Honorable Jeremiah W. Jay Nixon, Governor  
and  
Coordinating Board for Higher Education  
and  
Leroy Wade, Interim Commissioner  
Department of Higher Education  
Jefferson City, Missouri

We have audited certain operations of the Department of Higher Education, in fulfillment of our duties under Chapter 29, RSMo. The scope of our audit included, but was not necessarily limited to, the years ended June 30, 2015 and 2014. The objectives of our audit were to:

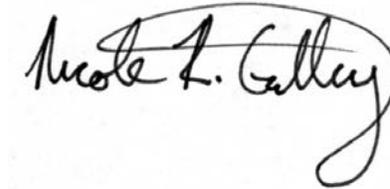
1. Evaluate the department's internal controls over significant management and financial functions.
2. Evaluate the department's compliance with certain legal provisions.
3. Evaluate the economy and efficiency of certain management practices and operations, including certain financial transactions.

Our methodology included reviewing minutes of meetings, written policies and procedures, financial records, and other pertinent documents; interviewing various personnel of the department, as well as certain external parties; and testing selected transactions. We obtained an understanding of internal controls that are significant within the context of the audit objectives and assessed whether such controls have been properly designed and placed in operation. We tested certain of those controls to obtain evidence regarding the effectiveness of their design and operation. We also obtained an understanding of legal provisions that are significant within the context of the audit objectives, and we assessed the risk that illegal acts, including fraud, and violations of contract, grant agreement, or other legal provisions could occur. Based on that risk assessment, we designed and performed procedures to provide reasonable assurance of detecting instances of noncompliance significant to those provisions.

We conducted our audit in accordance with the standards applicable to performance audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform our audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides such a basis.

The accompanying Organization and Statistical Information is presented for informational purposes. This information was obtained from the department's management and was not subjected to the procedures applied in our audit of the department.

For the areas audited, we identified (1) deficiencies in internal controls, (2) noncompliance with legal provisions, and (3) the need for improvement in management practices and procedures. The accompanying Management Advisory Report presents our findings arising from our audit of the Department of Higher Education.

A handwritten signature in black ink that reads "Nicole R. Galloway". The signature is written in a cursive style with a large, looping flourish at the end of the name.

Nicole R. Galloway, CPA  
State Auditor

The following auditors participated in the preparation of this report:

Deputy State Auditor:	Keriann Wright, MBA, CPA
Director of Audits:	Douglas J. Porting, CPA, CFE
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	Keisha Williams

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# Department of Higher Education

## Management Advisory Report

### State Auditor's Findings

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#### **1. Student Financial Assistance Programs**

The Missouri Department of Higher Education (MDHE) does not have sufficient procedures and controls in place to ensure scholarships and financial assistance paid to colleges on students' behalf are permitted by program guidelines.

##### Background

The MDHE administers 11 scholarship and financial assistance programs with expenditures totaling approximately \$112 million and \$108 million in the fiscal years ended on June 30, 2015, and 2014, respectively. The largest programs are the Higher Education Academic Scholarship (Bright Flight), A+ Scholarship (A+), and Access Missouri Financial Assistance programs (Access Missouri). Awards from each program are made to eligible students attending a Missouri college, vocational school, or university. The Bright Flight program is merit-based for students who score in the top 5 percent of all Missouri students on the American College Testing (ACT) or Scholastic Aptitude Test (SAT) tests. The maximum award is \$3,000 per year. The A+ program reimburses colleges and vocational schools on behalf of eligible students for tuition costs with awards reduced by non-loan federal financial aid. The student must graduate from qualifying A+ designated high schools and attend public community colleges or vocational schools in Missouri. The Access Missouri program is need-based for students attending public or private colleges or universities. Amounts awarded are generally less than \$1,000 per semester and depend upon the student's family income. For each program, certain other eligibility requirements exist, including maintaining minimum grade point averages (GPA) to renew the award in subsequent semesters.

The MDHE and the institutions use the department's Financial Assistance for Missouri Undergraduate Students (FAMOUS) computer system for administration of the financial aid programs. For the Bright Flight and Access Missouri programs, each semester the MDHE establishes the initial list of eligible students based on the relevant student test scores (Bright Flight) from the ACT or SAT College Board and student financial resources (Access Missouri) from Free Application for Federal Student Assistance (FAFSA) forms completed by students. The schools certify the students have met the full-time enrollment requirements and other eligibility requirements. For the A+ program, each semester the colleges determine the eligible students and award amounts based on MDHE's program requirements and enter those students and amounts into FAMOUS. The MDHE disburses amounts to the schools based on eligible students and amounts in FAMOUS after certification by the schools.

##### Lack of Oversight

The MDHE does not sufficiently monitor the validity of data provided by colleges and universities to support student eligibility determinations, and the MDHE does not periodically test these determinations and related documentation or review the procedures used by the schools to make the



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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determinations. The MDHE has edit checks<sup>1</sup> programmed in FAMOUS to detect duplicated awards or part-time enrollment, and queries of FAMOUS data are performed biannually before processing payments to remove students becoming ineligible based on non-continuous semester enrollment or exceeding the maximum number of allowed awards when applicable to the award program. However, the MDHE has not implemented procedures to ensure that other data entered into FAMOUS by the colleges and universities are valid or within program parameters.

For example, for A+ program awards, the MDHE does not ensure the mathematical accuracy of the award amount from the data entered by colleges and vocational schools for credit hours, tuition rates, and non-loan financial aid. In addition, the FAMOUS system has no edits to ensure tuition rates are within the allowable maximum. Other student information used in eligibility determinations, such as GPA and enrolled and withdrawn coursework, is maintained by the colleges and universities and not recorded in FAMOUS. The MDHE does not obtain or test the validity of this information to verify a students' eligibility. Also, the MDHE does not review the eligibility determination procedures used by the colleges and universities to ensure all relevant factors are consistently and properly considered. For the A+ program, the colleges and vocational schools are more principally involved in the eligibility determinations than the other 2 major student aid programs, consequently verification procedures by the MDHE are more important for that program.

## Test Results

We tested financial aid payments to colleges and universities on behalf of 60 students for Bright Flight and A+ scholarships and Access Missouri awards using information on FAMOUS and supporting documentation provided by the schools. Of the 60 tested payments, 30 payments totaling \$38,415 were A+ scholarships. We noted 3 of 30 (10 percent) A+ scholarship payments, totaling \$1,230, were not allowable according to MDHE regulations or state law:

- The MDHE paid A+ tuition reimbursement for a student exceeding the maximum allowable amount by \$511 for the spring 2014 semester. The tuition rate used for determining this student's reimbursement was \$209, even though 6 CSR 10-2.190(4)(M) limits the rate for all schools to the published standard per credit hour charge of State Technical College (\$158 during fiscal year 2014). Schools enter tuition rates into FAMOUS, but the MDHE has no controls to identify when rates exceed the maximum. MDHE procedures allow schools to apply for waivers for

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<sup>1</sup> An edit, also known as a data validity check, is program code that tests data for correct and reasonable conditions; such as mathematical accuracy; numeric data being all digits and not exceeding maximum allowable amounts; and dates having a valid day, month, and year; etc.



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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tuition exceeding the limits for high need programs, but there was no waiver application for this program.

- The A+ tuition reimbursement for a student for one semester was \$390 more than allowed. The reimbursement was based upon a 3 credit hour course the student subsequently withdrew from according to the student's transcript obtained from the school. State regulation 6 CSR 10-2.190(4)(F) indicates coursework from which a student subsequently withdraws is not eligible for reimbursement and allows the school to adjust the award amount in these cases by reimbursing the MDHE or reducing subsequent reimbursement requests. The school did not adjust subsequent requests or reimburse the MDHE for the overpayment. The MDHE does not receive transcripts or other information from the schools to determine withdrawn coursework.
- The MDHE provided \$329 in A+ tuition reimbursement for a student after she had exceeded the program's eligibility timeframe of 48 months after high school graduation, as outlined in 6 CSR 10-2.190(4)(C). The student's reimbursement was for coursework in spring 2014, nearly 5 years after the student's high school graduation in May 2009. The MDHE has no system controls or other procedures to review for compliance with this requirement.

Based on the error rates and amounts of improper payments noted in our test, and the size of the A+ program, significant amounts of other A+ scholarships may have been improperly awarded and paid. Our review indicated that \$1,230 of \$38,415 (3.2 percent) of A+ award amounts tested were improper. If 3 percent of the \$65.8 million of A+ scholarships paid during the 2 years ended June 30, 2015, were similarly in error, the amount of improper payments during that period could approach \$2 million.

## Conclusion

As a result of these errors, colleges received ineligible A+ payments from MDHE. While these errors were made by the colleges, the MDHE's processing and review procedures were insufficient to detect the errors. The MDHE maintains overall responsibility for ensuring student financial assistance is calculated correctly and distributed properly to colleges and universities on behalf of eligible students. Though we did not identify errors in the specific Bright Flight and Access Missouri awards tested, the MDHE should also extend its procedures to verify data supporting the eligibility of those awards and all other scholarship and financial assistance programs.

According to department personnel, the MDHE lacks sufficient staffing to more fully validate or monitor student aid distributions and lacks appropriations to make programming changes to FAMOUS to incorporate additional edit checks, based on the costs of changes made in the past. However, according to department personnel, the MDHE has not



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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determined whether other controls, including additional edit checks in FAMOUS, data queries, or random testing of supporting documentation, can be implemented currently with available resources to detect or prevent ineligible students or erroneous award amounts.

Without proper review and verification procedures, the MDHE cannot ensure financial assistance paid to colleges and universities on behalf of students is appropriate. To ensure effective management and accurate awarding of state financial assistance, the MDHE should consider further edit checks in FAMOUS and perform monitoring procedures and sampling at the colleges and universities. Such procedures can help ensure data supporting the eligibility status of students is being properly verified and ineligible students do not receive student financial assistance.

A similar condition was noted in a previous audit of the MDHE.

## Recommendation

The MDHE periodically review procedures used, and sample student eligibility determinations made, by colleges and universities for financial assistance programs administered by the MDHE. In addition, the MDHE should consider implementing additional edit checks in FAMOUS, or establish other review procedures, to identify ineligible students or erroneous award amounts.

## Auditee's Response

*We somewhat agree. The MDHE relies, in part, on institutional verification of student eligibility. This approach provides a cost-effective mechanism for this vital process and plays a critical role in the administration of the state student financial aid programs. Overall, the department believes institutions provide accurate and reliable information when verifying student eligibility and requesting payment. However, we agree our oversight procedures can be strengthened, particularly for the A+ program. MDHE will begin conducting compliance reviews as soon as practical and to the extent possible given current resource limitations. In addition, the department has identified additional edit checks to prevent award disbursement to ineligible students and ensure correct award amounts. We will initiate discussions with Office of Administration - Information Technology Services Division staff to determine the feasibility of incorporating those checks in FAMOUS and will implement the changes as the staffing and monetary resources identified in the feasibility study become available.*

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## 2. Advantage Missouri Loan Program

The MDHE lacks procedures to monitor and resolve amounts due on outstanding loans under the Advantage Missouri Loan Program. The MDHE has not notified recipients with defaulted loans or engaged in other efforts to identify outstanding loans or collect on those loans. Several million dollars in loans remain outstanding.



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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In 1998, Section 173.775, RSMo, established the Advantage Missouri Loan Program to provide forgivable loans to students in approved educational programs who became employed in occupational areas of high demand in the state, such as biomedical, advanced manufacturing, and computer-related occupations. For each year of employment after graduation, one year of the loan would be forgiven. The MDHE has made no new loans since 2005, when the General Assembly stopped appropriating funding for the program, and now only receives payments on outstanding loans. Amounts collected through repayment are credited to the Advantage Missouri Trust Fund pursuant to state law. Collections were available for further loans until 2005. In subsequent years, collections were transferred to other state student aid programs and the state's General Revenue Fund. Amounts transferred to the Access Missouri Financial Assistance Fund and the Academic Scholarship Fund totaled \$575,000. Loan repayments received by the MDHE during the 2 years ended June 30, 2015, totaled about \$38,000.

The loan contract with borrowers broadly outlined issues regarding program qualifications, loan forgiveness and repayment terms, and default status and referred to the section in state regulations where program operating rules were expected to be placed. The loan contract allowed borrowers a 1 year grace period before employment or repayment was required to begin. The MDHE drafted program operating rules further explaining conditions for repayment, forgiveness, default, and other matters. The rules stated the standard repayment term for each loan was 10 years, with an interest rate set based on the federal student loan rate applicable when the borrower entered repayment (which ranged from 3 to 8 percent). While MDHE personnel indicated they applied these rules in managing the program, the rules were never officially adopted and promulgated by the MDHE. Based on the loan dates and program terms, most loans should have now been substantially repaid or forgiven.

Significant amounts loaned to students remain unpaid. Based on MDHE records of loans disbursed, 2,041 students received loans totaling about \$8 million. According to MDHE personnel, unpaid principal balances totaled about \$5.2 million as of June 30, 2015. MDHE personnel indicated the unpaid principal also may include loans where the borrower has fulfilled the employment obligation but has not notified the MDHE for the loans to be forgiven. Additionally, interest is due on the unpaid principal. Using the lowest interest rate in effect during the program (about 3 percent), we estimate accumulated interest charges on the outstanding principal exceed \$1.5 million. According to MDHE personnel, 689 borrowers had loans totally repaid or forgiven, 9 borrowers were making repayments, and the remaining 1,343 borrowers were potentially in default status, as of June 30, 2015.



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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Besides two notices during the grace period, MDHE personnel indicated all borrowers were notified at the end of their grace periods regarding loans received, interest rates, principal balances, payment amounts, due dates, and other relevant information. MDHE personnel indicated no delinquent notices were sent or other collection efforts on delinquent accounts performed since inception of the program because a lack of staffing and shortcomings in the computer system used to track outstanding loans made it difficult to promptly identify defaulted loans and perform necessary follow up actions. Based on the amounts currently due and length of time since the program ended, it is likely many of the defaulted borrowers have not made payments for years. The rules drafted by the MDHE required notification of recipients by certified mail of default status within 10 days of when a loan was considered in default, and the recipient was to be allowed 30 days from the date of the certified letter to make satisfactory payment arrangements.

Monitoring accounts, providing prompt communications to borrowers, and timely pursuing collection on delinquent accounts is essential for proper administration of any loan program. Collection efforts on delinquent accounts become more difficult over time due to relocation of borrowers or other factors. In addition, because MDHE has not promptly pursued collections some of the outstanding loans may have been in default status for sufficient time that collection efforts are now, or soon will be, precluded by state law. Section 516.110, RSMo, requires actions for payment be commenced within 10 years. Efforts are needed now to properly assess the status of the outstanding borrowers to determine which loans met forgiveness requirements and which are in default. Without timely action, additional monies due the MDHE may become uncollectible. Prompt notification to borrowers upon default is needed to ensure the borrowers are aware of their obligation, status of their account, and consequences for nonpayment.

## Recommendation

The MDHE should determine the current status of each outstanding loan, identify which are viable to collect on, and work with the CBHE to determine the appropriate actions to resolve the delinquent accounts.

## Auditee's Response

*We agree. As a loan forgiveness program, administration of Advantage Missouri is labor intensive, requiring sufficient staff, system, and monetary resources to adequately monitor borrowers' employment and repayment statuses. MDHE lacked resources to develop a system capable of managing complex loan maintenance and collections. In addition, over the last five years the department's program administration duties have expanded significantly, while staff resources have not. The department focused its limited resources on those borrowers who were in active employment or repayment. However, now that loan servicing is almost complete for those borrowers, it will be necessary to adjust staff and other resources to address*



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Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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*this issue. That adjustment will require the establishment of collection and monitoring procedures to service as many of the outstanding loans as possible and the department will explore the feasibility of including wage garnishment, state tax offset, and use of a collection agency in those procedures.*

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### **3. User Account Management**

The MDHE does not have sufficient procedures in place to ensure access to student financial aid data or other sensitive information is protected. In addition, the MDHE has not executed agreements with the institutions establishing the names and titles of individuals at each institution authorized to sign a user agreement as the institutional representative and does not require prompt notification to the MDHE of individuals no longer needing access to the system.

The MDHE maintains the FAMOUS database system and allows employees of high schools, colleges and universities to access the information maintained in FAMOUS about students at their institutions to administer the financial aid programs managed by the MDHE. The FAMOUS contains student names, addresses, social security numbers, state financial assistance history, names of a student's family members, ACT and SAT scores, and other confidential information. Users at approximately 600 high schools and 80 higher education institutions potentially have access to data on FAMOUS. To be granted access, users must submit to the MDHE a user agreement signed by the user and an institutional representative, which must contain the job titles of both individuals. The user agreement outlines the requirements for appropriate use of the information on the system and the confidentiality requirements related to that information, and indicates the representative is to be one who can legally sign documents for the institution and has knowledge of the applicant's system access needs.

As part of its procedures for review of the user agreements, the MDHE considers whether titles of the user and institutional representative are reasonable, but the MDHE has no procedure to ensure that the institutional representative was an appropriate individual authorized to approve access. Additionally, while the MDHE staff contact institutions about users who have not accessed the system in 12 months and remove those individuals who no longer need access, the MDHE does not require institutions promptly notify the MDHE of users who no longer need access.

The MDHE should execute agreements with the institutions to appropriately limit access to the system. The agreements should specify the individuals at each institution responsible for approving user access applications and outline procedures for timely notifying the MDHE of users no longer needing access. Such agreements are needed to help protect against unneeded or inappropriate access to the system and reduce the vulnerability of confidential student information to unauthorized disclosure and use.



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## Recommendations

The MDHE should execute agreements with the institutions that specify individuals responsible for authorizing access and that outline procedures for prompt notification to the MDHE of users no longer needing access.

## Auditee's Response

*We agree. MDHE has revised the FAMOUS User Agreement to require signature of the institution's chief executive officer (president, chancellor, or superintendent), or the documented designee of the chief executive officer. The department's agreement review procedures have also been revised to include verification that the signatory is the chief executive officer or, when applicable, collection of documentation from the institution verifying the signatory is otherwise authorized to sign for the institution. In addition, MDHE has revised the user agreement to require users to immediately notify the department when they no longer hold a position requiring FAMOUS access to perform their job duties.*

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## 4. Board Meeting Minutes

The MDHE did not always prepare minutes for board meetings as required by the Sunshine Law, Chapter 610, RSMo.

### 4.1 Work Sessions

The MDHE does not prepare minutes for Coordinating Board for Higher Education (CBHE) work sessions. The CBHE generally conducts meetings 6 times per year. The CBHE usually holds a work session with MDHE personnel before each public meeting. During the work session, the CBHE and MDHE personnel review and discuss information related to issues on the agenda for the subsequent public meeting. According to MDHE personnel, no CBHE voting or official decisions are made in the work sessions. The work sessions are open to the public.

The work sessions constitute a public meeting and therefore minutes must be maintained. Section 610.010.5, RSMo, defines a public meeting as any meeting of a public governmental body at which any public business is discussed, decided, or public policy formulated. Section 610.020.7, RSMo, requires minutes be kept of public meetings.

### 4.2 Closed Meetings

The CBHE held closed meetings on June 10, 2013, and September 5, 2013, during which some of the requirements of Chapter 610, RSMo, regarding closed session meetings were not followed. Minutes for 1 of the 2 closed sessions were not maintained. In addition, the public minutes did not contain required documentation regarding the closed sessions including the reason for entering closed session, roll call votes to enter and exit closed session, and the results of the closed session.

Section 610.020.7, RSMo, requires public governmental entities to maintain minutes of closed minutes. In addition, public governmental entities are required by Section 610.022, RSMo, to document the reasons, roll call votes, and results of the closed meeting in public minutes.



Department of Higher Education  
Management Advisory Report - State Auditor's Findings

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**Recommendations**

The MDHE:

- 4.1 Maintain minutes for CBHE work sessions.
- 4.2 Ensure closed session minutes are maintained for all closed meetings. In addition, ensure all reasons, roll call votes, and results of the closed meetings are documented in the open minutes.

**Auditee's Response**

*We agree.*

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# Department of Higher Education

## Organization and Statistical Information

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The Omnibus State Reorganization Act of 1974 abolished the Commission on Higher Education and the Division of Higher Education of the Department of Education and created the Missouri Department of Higher Education (MDHE), headed by a nine-member Coordinating Board for Higher Education (CBHE).

As of June 30, 2015, the CBHE consisted of the following members:

Member	Term Expires
Betty Sims, Chair	June 2016
Brian Fogle, Vice Chair	June 2016
Carolyn Mahoney, Secretary	June 2018
Dalton Wright, Member	June 2016
Doug Kennedy, Member	June 2016
Vacant	
Vacant	
Vacant	
Vacant	

The CBHE members serve without compensation but are reimbursed for expenses. The nine members of the CBHE, one from each congressional district, are appointed to 6-year terms by the Governor and confirmed by the Senate. In addition, no more than five of the nine members may be affiliated with the same political party.

The MDHE's functions include identification of statewide needs for higher education, statewide planning for higher education, evaluation of student and institutional performance, review of institutional missions, development of effective and economical specialization among institutions, and administration of a performance funding program awarded to public community colleges and universities based on meeting established objectives. The functions also include submission of a unified budget request for public higher education to the Governor and the Missouri General Assembly, administration of a statewide postsecondary technical education program, approval of new degree programs offered at public colleges and universities, setting policy for student financial assistance programs, and administration of the Proprietary School Certification Program. The MDHE's planning activities include the state's independent institutions as well as the public institutions. In addition, the MDHE has statutory responsibility for the administration of several state student financial assistance programs and is the state's designated guaranty agency for the Missouri Student Loan Program, which administers the Federal Family Education Loan Program.

The commissioner of higher education is appointed by the CBHE and serves as its chief executive officer in carrying out the goals and administrative



Department of Higher Education  
Organization and Statistical Information

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responsibilities for the state system of higher education, with 13 public 4-year universities, 20 public 2-year community college campuses, 1 public 2-year technical college, 26 independent colleges and universities, and more than 150 proprietary and private career schools serving more than 450,000 students. Dr. David Russell served as the Commissioner from July 2010 until his retirement effective March 1, 2016. Effective March 1, 2016, Leroy Wade was appointed Interim Commissioner of Higher Education.

At June 30, 2015, the MDHE had approximately 57 employees.



Office of Missouri State Auditor  
**Nicole Galloway, CPA**

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**Public Higher Education Funding  
and Affordability**



## Findings in the audit of Public Higher Education Funding And Affordability

### Background

Higher education provides important private and public benefits, and multiple parties are involved in financing higher education costs. The Coordinating Board for Higher Education with support from the Missouri Department of Higher Education (MDHE), provides oversight of public higher education institutions in the state. In 2007, the Missouri General Assembly established the Higher Education Student Funding Act (HESFA), which gives the Coordinating Board and the Commissioner of Higher Education a role in reviewing the tuition setting process. The HESFA limits the amount a public institution may increase in-state undergraduate tuition to the increase in the Consumer Price Index. The MDHE and Coordinating Board are charged with ensuring the 13 Missouri public 4-year institutions and the State Technical College of Missouri are in compliance with the HESFA.

### Trends in Public Higher Education Funding

Combined net tuition and fees to attend Missouri's 4-year public institutions have continued to increase at rates faster than inflation since the implementation of the HESFA, while in-state undergraduate tuition alone has grown at rates slower than inflation. To grow overall net tuition, some school officials indicated they have pursued non-resident, graduate, and international students, for whom HESFA doesn't limit tuition increases. National data show in-state undergraduate tuition at Missouri's public 4-year institutions has had the lowest rate of increase of any state in the nation since 2008, and ranked below the national average for in-state undergraduate tuition per full-time student for the 2015-2016 school year. However, institutions have consistently increased supplemental fees as a way to generate additional revenue. Since the implementation of HESFA, supplemental fees at Missouri's 4-year public institutions increased, both overall and per full-time student. From fiscal year 2009 to 2015, supplemental fees have increased 138 percent overall and 112 percent per full time equivalent student.

State appropriations for Missouri's 4-year public institutions decreased 9 percent from 2009 to 2015, even as enrollment has grown by 12 percent. Missouri ranked 43rd nationally in state higher education funding per \$1,000 of personal income for the 2014-2015 school year, and state appropriations per full time equivalent student declined a total of almost 28 percent from 2008 to 2014. To compensate, schools have utilized several strategies to contain spending and improve efficiency, holding the growth in expenditures below the rate of inflation. These measures include administrative savings by not filling vacant positions, freezing merit and cost of living raises, and reducing operating budgets; deferring some capital maintenance needs; and saving on educational services by increasing class sizes and eliminating or combining some departments and programs. The state has approved approximately \$200 million in additional funding during fiscal years 2016 and 2017 to address infrastructure maintenance and improvements at campuses statewide.

### Affordability of Public Higher Education

Reductions in state appropriations have resulted in a greater portion of public higher education costs being passed along to students and families. In addition, reductions in overall state grant aid, and specifically reductions in

the amount of need-based aid, have also had a negative impact on the affordability of higher education for students in the state.

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Higher Education Student  
Funding Act

The MDHE has not formally defined the term "required fees." How this term is defined will have a significant impact on implementation and evaluation of the HESFA, and the affordability of higher education in Missouri. While the MDHE has generally ensured tuition increases follow the HESFA restrictions, procedures to calculate allowable tuition levels are not adequate, tuition and fee information provided by the institutions is not verified, and documentation of the tuition review process is not always maintained.

Because of the nature of this report, no overall rating is provided.

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# Public Higher Education Funding and Affordability

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### Abbreviations

MDHE	Missouri Department of Higher Education
CBHE	Coordinating Board for Higher Education
CPI	Consumer Price Index
FTE	Full Time Equivalent
HESFA	Higher Education Student Funding Act
IPEDS	Integrated Postsecondary Education Data System
SAO	State Auditor's Office
SHEEO	State Higher Education Executive Officers



## **NICOLE GALLOWAY, CPA**

### **Missouri State Auditor**

Honorable Jeremiah W. (Jay) Nixon, Governor  
and  
Coordinating Board for Higher Education  
and  
Zora Mulligan, Commissioner  
Department of Higher Education  
Jefferson City, Missouri

We have audited certain operations of the Department of Higher Education related to public higher education funding and affordability for Missouri's 4-year public institutions, in fulfillment of our duties under Chapter 29, RSMo. Due to the importance of higher education to Missouri's economy, the affordability and accessibility of higher education is a significant issue. The Higher Education Student Funding Act (HESFA) was implemented to limit tuition growth at the state's 4-year public institutions and ensure the affordability of public higher education. The scope of the audit included, but was not limited to, the 7 years ended June 30, 2015. The objectives of our audit were to:

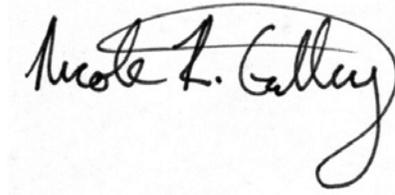
1. Evaluate the internal controls over significant management and financial functions related to the HESFA.
2. Evaluate compliance with certain legal requirements related to the HESFA.
3. Evaluate the impact of the HESFA on public higher education funding for the state's 4-year public institutions, and assess the potential impact of the HESFA on affordability at the state's 4-year public institutions.

We conducted our audit in accordance with the standards applicable to performance audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States. Those standards require that we plan and perform our audit to obtain sufficient, appropriate evidence to provide a reasonable basis for our findings and conclusions based on our audit objectives. We believe that the evidence obtained provides such a basis.

For the areas audited, we identified (1) internal controls over management functions related to higher education funding and affordability need improvement, (2) no significant non-compliance with legal requirements related to higher education funding and affordability, and (3) various impacts of the HESFA on higher education funding and affordability.

The accompanying Organization and Statistical Information is presented for informational purposes. This information was obtained from the department's management and was not subjected to the procedures applied in our audit.

The accompanying Management Advisory Report presents our findings arising from our audit of Public Higher Education Funding and Affordability.

A handwritten signature in black ink that reads "Nicole R. Galloway". The signature is written in a cursive style with a large loop at the end of the last name.

Nicole R. Galloway, CPA  
State Auditor

The following auditors participated in the preparation of this report:

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In-Charge Auditor:	Waleed Atout, MBA
Audit Staff:	Erin Dierksen
	Ruben Lara

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# Public Higher Education Funding and Affordability

## Introduction

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### Background

Higher education provides important private and public benefits, and multiple parties are involved in financing higher education costs. In terms of private benefit, students may seek a postsecondary degree as a key to a better economic future. However, investments in public higher education are important to the development of Missouri's economy and provide a significant public benefit. State funding, students, and institutions all play important roles in financing higher education costs, thereby influencing affordability. Affordability is an important factor affecting whether students access and complete degrees, and is relative to student or family income. Controlling the growth in tuition and fees can significantly impact the affordability of higher education for students and their families.

#### State government

State funding is a significant source of revenue for public institutions through state appropriations. Public institutions also receive additional grants or contracts for activities such as research projects and programs that provide financial aid directly to students. State grant aid can be allocated based on financial need or merit (such as grades or test scores). The Missouri Department of Higher Education (MDHE), headed by the Coordinating Board for Higher Education (CBHE), provides oversight of public higher education institutions in the state, evaluates institutions' performance, and carries out other goals and administrative duties. The Missouri General Assembly established the Higher Education Student Funding Act (HESFA) in 2007 under sections 173.1000 to 173.1006, RSMo, to provide the CBHE and the Commissioner of Higher Education a role in reviewing the tuition setting process and to set a limit on the amount by which a public institution may increase in-state undergraduate tuition based on the increase in the Consumer Price Index (CPI). The MDHE administers the HESFA and is charged with ensuring all 13 Missouri public 4-year institutions<sup>1</sup> and the State Technical College of Missouri are in compliance with the provisions of the HESFA.

#### Public institutions

Public institutions charge tuition and fees, and may also provide aid to students depending on the institution's financial aid programs. These institutions are generally administered by appointed officials and are supported primarily by funding from federal, state, and local sources in addition to revenue from tuition and fees. See Figure 1 for a graph of total revenue sources. While some public institutions may offer 2-year associate's degree programs, others offer 4-year bachelor's degree programs or beyond. As of the 2014-2015 school year, there were 13 public 4-year institutions that enrolled 119,925 full time equivalent (FTE<sup>2</sup>) students, and there were 14 public 2-year institutions that enrolled 64,381 FTE students for a total of

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<sup>1</sup>A list of the public institutions is at Appendix A.

<sup>2</sup>FTE student is a measure of instructional workload for budgeting and planning purposes. It converts the total number of students served into an equivalent number of full-time students, based on the amount of hours typically designated for full-time enrollment.



## Higher Education Funding and Affordability Introduction

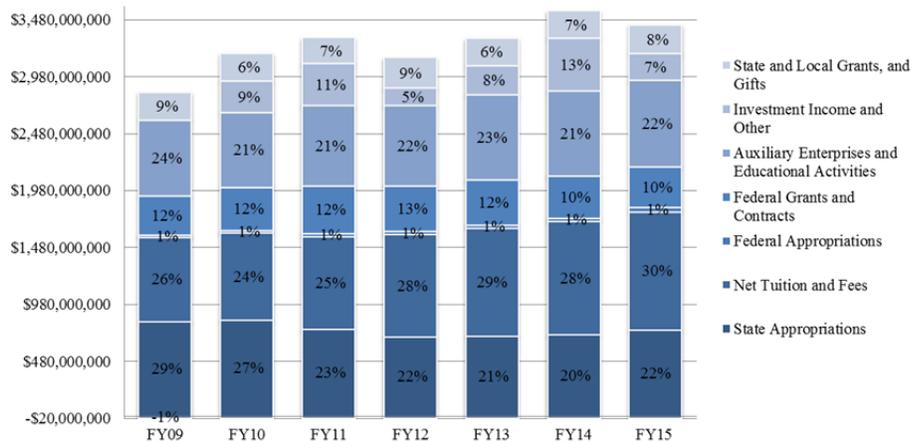
184,306 FTE students. In terms of total students served, the public 4-year and 2-year institutions enrolled approximately 253,000 full and part-time students, or approximately 56 percent of total college enrollment across all college types, including public, private nonprofit, and for-profit colleges.

### Students and families

Aside from federal, state, and local funding, institutions generate revenue through tuition and fees paid by students. Students also pay for room and board, textbooks, and school supplies. These services are provided by auxiliary enterprises. To help with higher education costs students may receive grant aid from the state, the federal government, or the institution they are attending, and scholarships from private and public sources. There are different types of students that attend public institutions including resident, non-resident, undergraduate, graduate, and professional students. The level of tuition and fees paid varies for each student type.

Figure 1 depicts total revenues, by source, combined for the public four-year institutions, and the percentage of total revenues for each revenue type, for fiscal years 2009 to 2015.

Figure 1: Revenue by source, fiscal years 2009 to 2015



Source: Integrated Postsecondary Education Data Systems

Additional details on total revenues and total revenues per FTE from fiscal year 2009 through fiscal year 2015 are included at Appendixes B and C.



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## Higher Education Funding and Affordability Introduction

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### Scope and Methodology

We obtained data from the MDHE, the Integrated Postsecondary Education Data System (IPEDS),<sup>3</sup> the National Association of State Student Grant and Aid Programs and directly from all of Missouri's 4-year public institutions to gain an understanding of trends in higher education funding for the state's 4-year public institutions. Our review of higher education trends focused on identifying trends in annual tuition and fees, state appropriations, state grants and contracts, federal grants and contracts, local gifts and grants, enrollment and expenditures for the 7 years ending June 30, 2015.

We assessed the reliability of the data by comparing the data posted on IPEDS<sup>4</sup> to the audited financial statements for a sample of four institutions. We determined this information was sufficiently reliable for the purposes of this report.

To provide context for tuition levels at Missouri 4-year public institutions, we obtained tuition data,<sup>5</sup> state appropriations, and grant aid for other states. We obtained this data from the College Board and the State Higher Education Executive Officers Association (SHEEO). In addition, to determine the factors affecting tuition levels, we interviewed officials at five public 4-year institutions; the University of Central Missouri in Warrensburg, Missouri State University in Springfield, University of Missouri System, Southeast Missouri State University in Cape Girardeau, and Lincoln University in Jefferson City. We also interviewed MDHE officials involved in the evaluation and oversight of tuition and fee increases.

We reviewed and recalculated the tuition and fee increases during each of the 8 years ending June 30, 2016, and interviewed MDHE staff involved in the review of tuition and fee increases, to evaluate internal controls and compliance related to the HESFA.

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<sup>3</sup> The IPEDS is a system of interrelated surveys conducted annually by the U.S. Department of Education's National Center for Education Statistics. IPEDS gathers information from every college, university, and technical and vocational institution that participates in federal student financial aid programs. The Higher Education Act of 1965, as amended, requires that institutions that participate in federal student aid programs report data on enrollments, program completions, graduation rates, faculty and staff, finances, institutional prices, and student financial aid.

<sup>4</sup> The IPEDS refers to the institutional fiscal year, and therefore, may vary across institutions. Each survey year institutions report data from the last fiscal year that ended on or before October 31.

<sup>5</sup> Tuition data presented in this report are adjusted for inflation and presented in constant 2014 dollars unless otherwise noted.

# Public Higher Education Funding and Affordability

## Management Advisory Report

### State Auditor's Findings

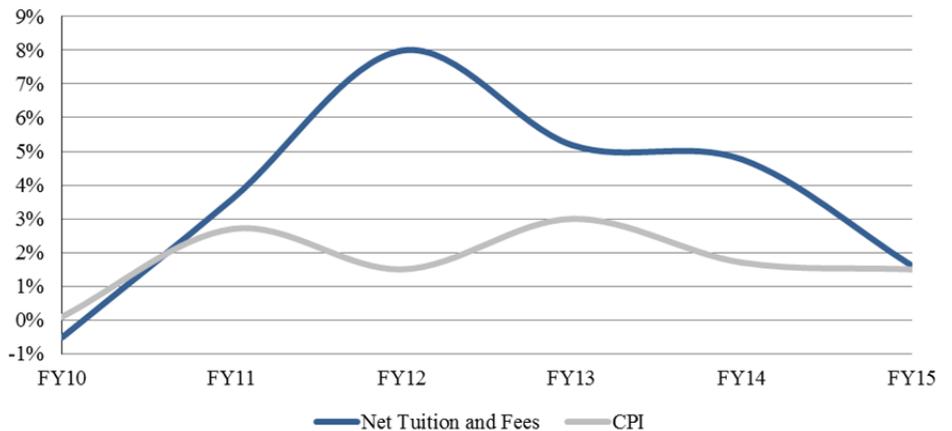
## 1. Trends in Public Higher Education Funding

Net tuition and fees<sup>6</sup> to attend Missouri's 4-year public institutions have continued to increase at rates faster than inflation since the implementation of the Higher Education Student Funding Act (HESFA), while in-state undergraduate tuition has grown at rates slower than inflation. State appropriations and state aid to students have decreased from 2009 to 2015, while enrollment at 4-year institutions have increased steadily. Institution expenditures have only increased slightly more than the change in the Consumer Price Index (CPI) over the same timeframe.

### Net Tuition and Fees

Net tuition and fees per FTE student for Missouri's 4-year public institutions for the audit period continued to increase at rates higher than the change in the CPI from fiscal year 2009 to 2015. On average, net tuition and fees per FTE student increased by 3.8 percent per year from fiscal year 2009 to 2015, while the CPI increased by an average of 1.8 percent during the same timeframe.

Figure 1.1: Percent change in net tuition and fees per FTE student versus the CPI, fiscal year 2010 to 2015



Source: Prepared by the State Auditor's Office (SAO) using Integrated Postsecondary Education Data Systems (IPEDS) tuition data and CPI data from the United States Department of Labor, Bureau of Labor Statistics

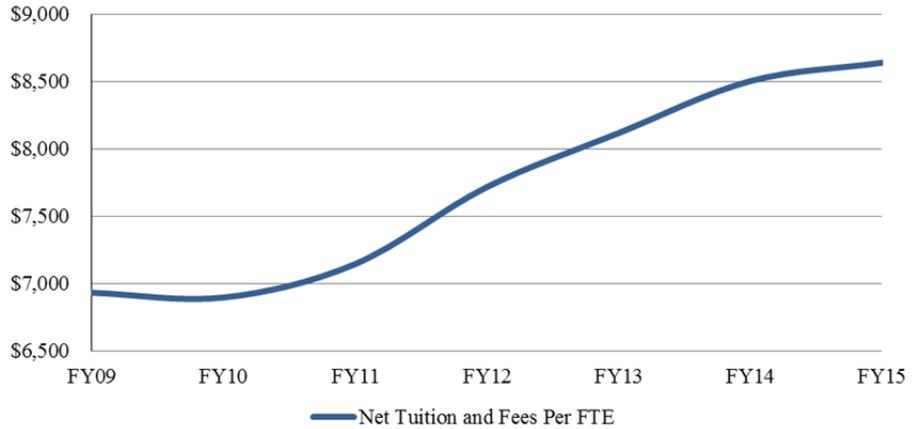
Revenues generated from net tuition and fees in total and per FTE student from fiscal year 2009 through fiscal year 2015 are included at Appendixes E and F. Figure 1.2 shows net tuition and fees per FTE student to attend a Missouri 4-year public institution from fiscal year 2009 to 2015. Net tuition and fees per FTE student increased from \$6,932 in fiscal year 2009 to \$8,638 in fiscal year 2015, or by approximately 25 percent.

<sup>6</sup>The term "net tuition and fees," when used in this section, is defined as the average net tuition and all fees charged to all student types attending a Missouri public institution, including in-state, out-of-state, undergraduate, and graduate students, after deducting aid, discounts and allowances. Amounts presented include required fees charged to students such as technology fees, and all supplemental fees.



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Figure 1.2: Net tuition and fees per FTE student, in dollars, fiscal year 2009 to 2015



Source: Prepared by the SAO using IPEDS tuition data and enrollment information from MDHE

Increases in net tuition and fees are a result of several factors. First, the Coordinating Board of Higher Education (CBHE) granted HESFA penalty waiver requests to 10 of the 13 4-year institutions and the State Technical College of Missouri for increasing tuition above the change in the CPI for fiscal year 2012. The CBHE approved the penalty waivers due to significant cuts to state appropriations in fiscal years 2011 and 2012. Second, institutions have increased and added new supplemental fees charged to students. Also, since the implementation of the HESFA placed limits on tuition increases on undergraduate resident tuition, schools interviewed by auditors pursued additional revenue from certain types of students who pay higher rates of tuition. Officials at two public schools said they actively pursue out-of-state and, in a few cases, international students to keep enrollment levels high and boost tuition revenues because these students typically pay higher tuition. For example, the University of Missouri System's data shows that non-resident undergraduate students attending all four system institutions increased by approximately 50 percent and international undergraduate students attending all four campuses increased by approximately 120 percent during the 7 year period ending June 30, 2015. These students are not subject to the tuition limits of the HESFA since it applies only to in-state undergraduate tuition.

### In-State Tuition

National data<sup>7</sup> shows in-state undergraduate tuition at Missouri's public 4-year institutions have had the lowest rate of increase of any state in the nation since 2008. Compared to other states, Missouri's in-state undergraduate tuition per FTE student for the 2015-2016 school year ranked 22nd lowest in the nation, and slightly lower than the national average.

<sup>7</sup>*Trends in College Pricing 2015*, The College Board, 2015, <<http://trends.collegeboard.org/sites/default/files/2015-trends-college-pricing-final-508.pdf>>, accessed on April 19, 2016.



## Public Higher Education Funding and Affordability Management Advisory Report - State Auditor's Findings

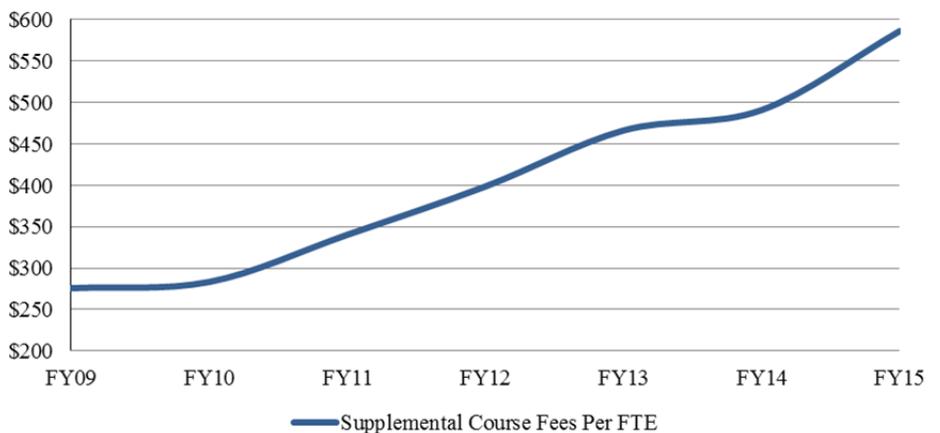
Additional details on in-state undergraduate tuition per FTE, by state, from fiscal year 2008 through fiscal year 2015 are included at Appendix D.

Based on data provided by the Missouri Department of Higher Education (MDHE), average in-state undergraduate tuition rates increased by less than the average change in the CPI since the implementation of the HESFA, increasing 1.6 percent per year from fiscal year 2009 to 2015, versus an average increase in the CPI of 1.8 percent during the same timeframe. While the HESFA has effectively limited increases to in-state undergraduate tuition, it has not limited increases to supplemental fees charged to in-state students.

### Supplemental Fees

Based on interviews with officials from public 4-year institutions, institutions are increasingly adding supplemental fees as a way to generate additional revenues. Since the implementation of the HESFA, supplemental fees charged by Missouri's 4-year public institutions increased, both overall and when measured per FTE student. Specifically, supplemental fees for these institutions increased by 138 percent, from \$29.5 million in fiscal year 2009 to \$70.3 million in fiscal year 2015, and by approximately 112 percent per FTE student, from \$276 in fiscal year 2009 to \$586 in fiscal year 2015. While supplemental fees make up approximately 7 percent of net tuition and fees for fiscal year 2015, this percentage has increased from 4 percent in fiscal year 2009. Figure 1.3 shows the increase in supplemental fees per FTE student during the period of fiscal year 2009 through fiscal year 2015. Additional supplemental fees data is included at Appendixes E and F.

Figure 1.3: Supplemental fees per FTE student, in dollars, fiscal years 2009 to 2015



Source: Prepared by the SAO using IPEDS data and enrollment figures from MDHE

Supplemental fees are made up of both course and program fees. Course fees are additional charges, usually authorized by the institutions' Board of Regents for specific courses that have demonstrably higher costs of delivering instruction because of the need for special equipment, supplies, or technology. Program fees are additional amounts charged to students not



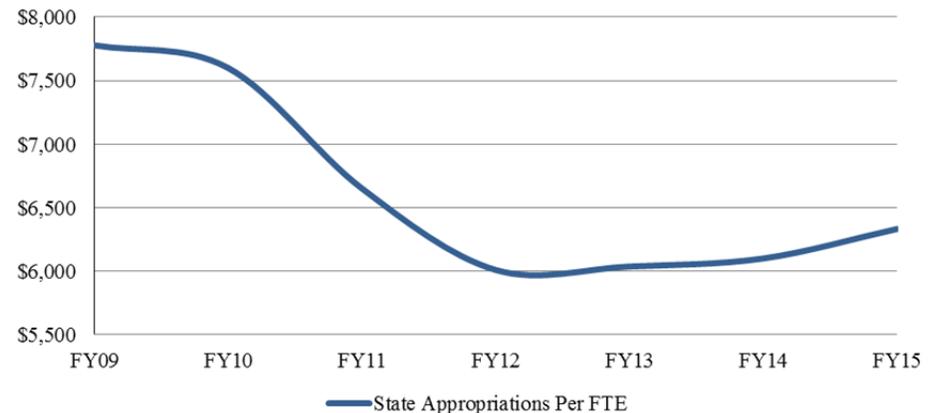
## Public Higher Education Funding and Affordability Management Advisory Report - State Auditor's Findings

related to course materials or equipment, including instruction and other expenses not covered by the program's primary funding allocation.

### State Appropriations

Since the implementation of the HESFA, state appropriations<sup>8</sup> provided to 4-year public institutions decreased, both overall and when measured per FTE student. Specifically, state appropriations for these institutions decreased by 9 percent from fiscal year 2009 to fiscal year 2015, from \$832 million to \$759 million. The reductions in state appropriations are more significant when enrollment levels are taken into account. The number of FTE students enrolled in 4-year public institutions rose by approximately 12 percent from school year 2008-2009 to school year 2014-2015. Additional enrollment information is included at Appendix G. Average state appropriations per FTE student<sup>9</sup> declined from \$7,778 per student in fiscal year 2009 to \$6,332 per student in fiscal year 2015, with an average annual decrease of 3.2 percent. Figure 1.4 shows the change in state appropriations per FTE student during the period of fiscal year 2009 through fiscal year 2015. Additional state appropriations data is included at Appendixes B and C.

Figure 1.4: State appropriations per FTE student, in dollars, fiscal years 2009 to 2015



Source: Prepared by the SAO using IPEDS data and enrollment figures from MDHE

When compared to other states, Missouri ranked 43rd in the nation in state funding for higher education per \$1,000 in personal income. State funding per \$1,000 in personal income was \$4.09 in fiscal year 2015, which ranks below the national average of \$5.55. Additional information about state funding per \$1,000 in personal income and state funding per FTE student by state is available at Appendixes H and I.

<sup>8</sup> State appropriations include all amounts received by public institutions through acts of a state legislative body, except grants and contracts, and separate capital appropriations. State appropriations also include funds distributed through the performance funding process.

<sup>9</sup> To calculate state appropriation per FTE student, we divided total state funding to 4-year public institutions by total FTE students for all of these institutions.



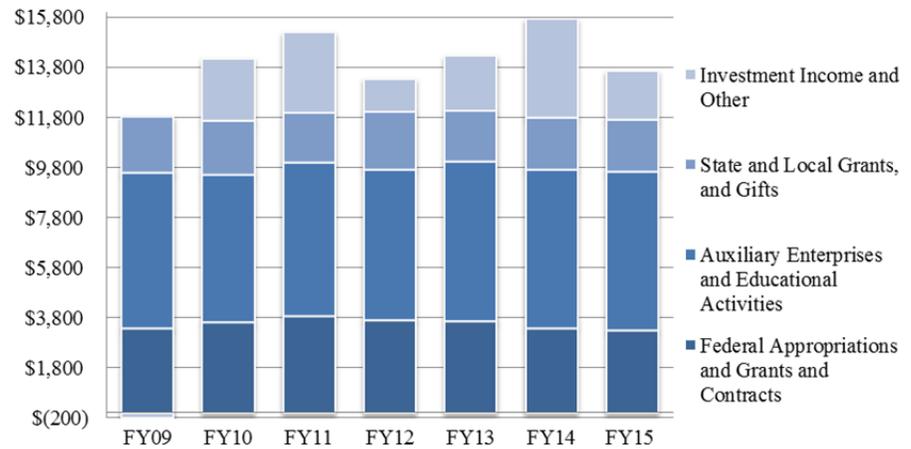
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Other Sources of Revenue

In addition to net tuition and fees and state appropriations, public 4-year institutions receive additional funding in the form of state and federal grants and contracts, sales and services of educational activities, investment income, and auxiliary enterprises, including residence halls, food services, and book stores. Other income from these sources totaled approximately \$1.6 billion in fiscal year 2015.

Other revenue from auxiliary enterprises and government sources have remained relatively consistent over the audit period, increasing an average of 1.7 percent per year from fiscal year 2009 to 2015, and decreasing an average of .2 percent per year per FTE student. The investment income portion of other income has been very volatile, from posting a loss of \$18 million in fiscal year 2009 to \$464 million gain in fiscal year 2014. Figure 1.5 depicts changes in other sources of revenue per FTE student from fiscal year 2009 to 2015. Detail of total other sources of revenues and other sources of revenue per FTE student are available at Appendixes B and C.

Figure 1.5: Other sources of revenue, per FTE student, fiscal year 2009 to 2015



Source: Prepared by the SAO using IPEDS data and enrollment information from MDHE

Expenditures

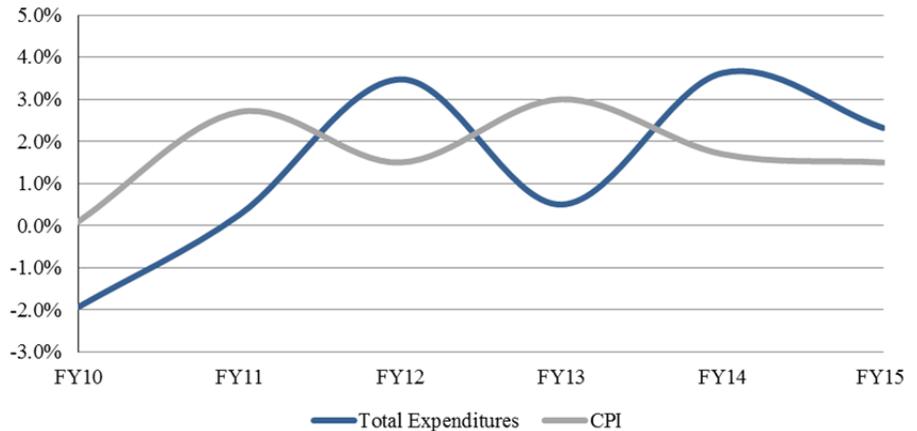
Expenditures per FTE student at Missouri's 4-year public institutions have increased at rates lower than the change in the CPI. While the change in the CPI for the 6 years ended June 30, 2015 averaged 1.8 percent per year, overall expenses by the institutions per FTE student over the same timeframe increased an average of 1.4 percent per year. Figure 1.6 shows the percent change in Missouri's 4-year public institutions' expenditures per FTE student for the 6 years ending June 30, 2015, compared to the change in the CPI.

In fiscal year 2015, Missouri's 4-year public institutions spent approximately \$3.4 billion on instructional and non-instructional expenditures. Overall spending per FTE student increased from \$26,248 in fiscal year 2009 to \$28,456 in fiscal year 2015, or by 8.4 percent.



## Public Higher Education Funding and Affordability Management Advisory Report - State Auditor's Findings

Figure 1.6: Percent change in expenditures per FTE student versus the change in the CPI, fiscal year 2010 to 2015



Source: Prepared by the SAO using IPEDS expenditure data and CPI data from the United States Department of Labor, Bureau of Labor Statistics

The greatest proportion of non-instructional<sup>11</sup> spending was devoted to auxiliary enterprises, encompassing approximately 23 percent of total expenditures in fiscal years 2009 through 2015. Other non-instructional expenditures include research and public service expenditures. Research and public service expenditures per FTE student decreased by approximately 19 and 16 percent, respectively from fiscal year 2009 through fiscal year 2015.

Expenditures per FTE student for academic support, which includes expenses for museums, libraries, galleries, audio/visual services, ancillary support, and course and curriculum development, grew at less than 1 percent per year from fiscal year 2009 through fiscal year 2015. Institutional support and student service expenditures per FTE student also increased by an average of 3.4 and 5.7 percent per year, respectively. Institutional support expenditures include expenses for general administrative services, executive direction and planning, as well as legal and fiscal operations. Student services expenditures include expenses for admissions, registrar activities, and activities whose primary purpose is to contribute to students' emotional and physical well-being and to their cultural, and social development outside the context of the formal instructional program.

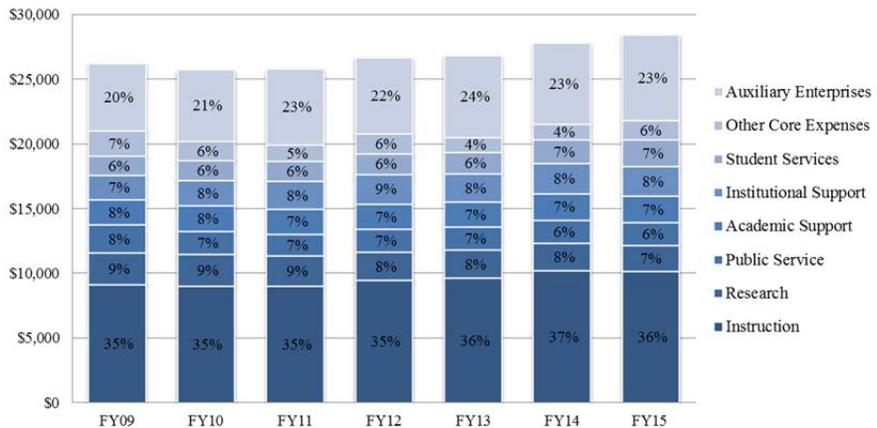
<sup>10</sup>Instructional expenditures include faculty compensation and other expenses associated with general academic instruction.

<sup>11</sup>Non-instructional expenditures include auxiliary enterprises, research, public service, academic support, student services, and institutional support.



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Figure 1.7: Institutional expenditures per FTE, by category, fiscal year 2009 to 2015



Source: Prepared by the SAO using IPEDS expenditure data and enrollment information from MDHE

Cost Controls

Institutions visited by the SAO have adopted a variety of strategies to contain spending and improve the efficiency of their operations. While school officials we spoke with emphasized the importance of maintaining academic quality in spite of fiscal pressures, all five institutions had reduced some courses and class sections. Cost controls include the following:

- Administrative savings: Officials from four institutions told us they did not fill vacant positions or add new positions despite enrollment increases. Three institutions also stated merit and cost of living raises were frozen for 3 years. Missouri State University reduced all operating budgets and renegotiated the institution's health care contract. Officials from Missouri State University also indicated the institution falls below the 50th percentile for faculty compensation.
- Deferred maintenance: Officials from each institution visited told us spending for capital projects and maintenance had been reduced below desired levels due to declining state appropriations. For example, deferred maintenance at the University of Missouri System has resulted in backlogs of projects totaling approximately \$1.6 billion. In addition, the University of Central Missouri delayed planned projects including new roofing and flooring at some of its facilities. To help address deferred maintenance needs, legislation enacted in 2015 provides approximately \$200 million for infrastructure maintenance and improvements on higher education campuses throughout the state. Distribution of these funds is outside the normal higher education appropriation process during fiscal year 2016 and 2017.



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## Public Higher Education Funding and Affordability Management Advisory Report - State Auditor's Findings

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- Educational services savings: As enrollments rise, institution officials stated they face capacity issues. For example, University of Missouri System officials stated they increased class sizes and increased the students-to-faculty ratio in order to meet student demand. In addition, Southeast Missouri State University officials stated they have undergone several program reviews, and cut academic and non-academic budgets by 10 and 12 percent, respectively, by eliminating and/or combining departments and programs.

Officials from at least 2 of the 5 institutions interviewed indicated additional cost reduction efforts would not be possible without negatively impacting the quality of education programs.

### Conclusion

Net tuition and fees have increased at a rate of more than twice the change in the CPI since the HESFA went into effect. This condition has occurred due to the majority of public 4-year institutions increasing tuition well above the change in CPI in fiscal year 2012 in response to reduced state appropriations; increases in supplemental fees; and increases in non-resident, graduate and foreign student tuition. However, in-state undergraduate tuition at Missouri's public 4-year institutions has had the lowest growth rate in the nation since the implementation of the HESFA, and overall in-state undergraduate tuition levels are slightly lower than the national average. On a per FTE student basis, state appropriations have declined since the implementation of the HESFA and have consistently remained below the national average. Expenditures per FTE student by 4-year public institutions has grown at a rate lower than the change in the CPI, even while institutions increased expenditures for instruction, student services and institutional support. However, cost reductions have resulted in deferred maintenance on facilities and increased student-to-teacher ratios.

### Auditee's Response

*The MDHE provided the following response:*

*The discussion of "net tuition and fees" in this section, while informative, is far more expansive than the relatively narrow focus of Missouri's HESFA. As a result, this section has little bearing on the effects of HESFA and institutions' compliance with its requirements. HESFA's limits on "tuition and required fees" excludes the following elements of the Auditor's "net tuition and fees":*

- *Tuition and fees for out-of-state, international, and graduate students*
- *Study abroad fees*
- *Tuition and fees for internet courses*
- *Fees approved by a vote of the student body through student-initiated referenda*



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- *Supplemental and differential fees charged for courses and programs that have unique expenses (e.g. supplies, equipment, enhanced facilities, etc.)*

*Moreover, the report observes that supplemental fees are for specific courses that have demonstrably higher costs of delivering instruction because of the need for special equipment, supplies, or technology, or for programs with higher instructional or other costs. Supplemental fees appear to occupy an increasing share of universities' total revenue streams. The report, however, does not substantiate the claim that institutions are "adding supplemental fees as a way to generate additional revenues," rather than, say, to cover new course offerings, new program offerings, evolving delivery costs or upgrades, or simply reflecting enrollment increases over the audit period.*

## Auditor's Comment

The statement that institutions are adding supplemental fees as a way to generate additional revenues is substantiated by discussions with institution personnel and with supplemental fee data presented in the report. The significant growth rate of supplemental fees as compared to the moderate growth rate of instructional costs would suggest the increase in fees is not simply a result of an increase in course or program offerings. Additionally, the significant growth rate of supplemental fees, as presented on a per FTE basis, would suggest the increase in fees is also not a result simply of enrollment increases over the audit period.

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## 2. Affordability of Public Higher Education

Significant reductions in state appropriations have resulted in a greater portion of public higher education costs being passed along to students and families. In addition, reductions in overall state grant aid, and specifically reductions in the amount of need-based aid, have also had a negative impact on the affordability of higher education for students in the state.

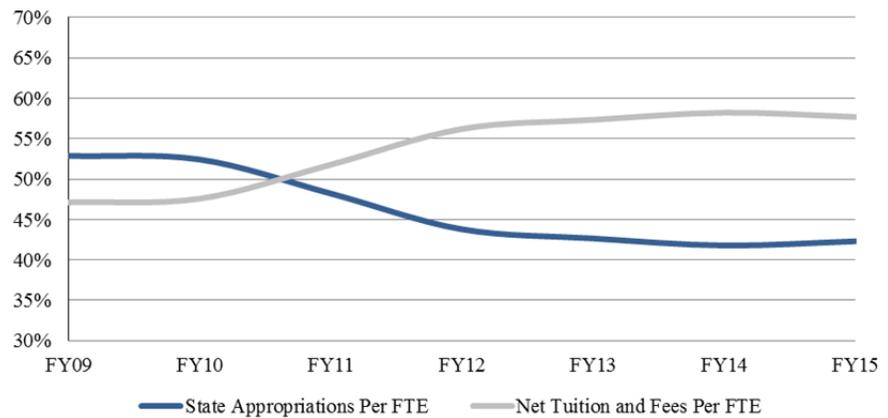
### Reduced State Appropriations

Significant reductions in state appropriations have resulted in students and families being responsible for a larger share of public higher education costs. When considering total revenues from state appropriations and net tuition and fees, from fiscal year 2009 to fiscal year 2015, the portion contributed by state appropriations decreased from 53 percent in fiscal year 2009 to 42 percent in fiscal year 2015 and the portion contributed by net tuition and fees rose from 47 percent to 58 percent. Figure 2.1 illustrates these changes. Detailed total revenue and revenue per FTE student figures are included at Appendixes B and C.



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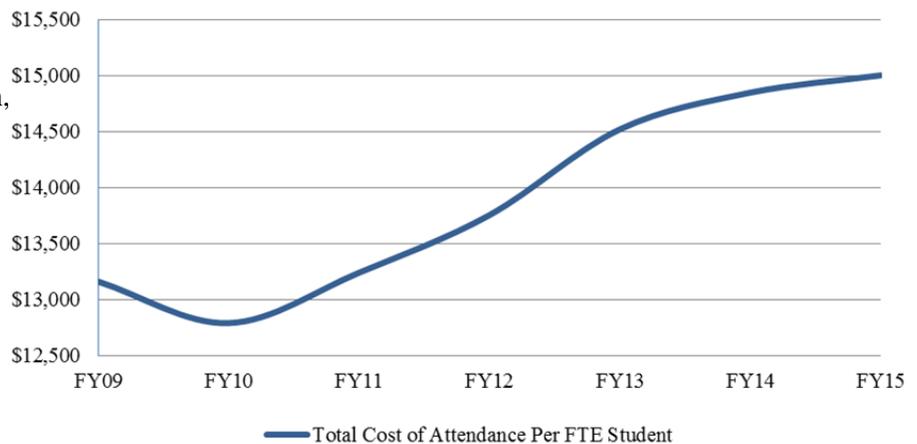
Figure 2.1: Net tuition and fees per FTE student versus state appropriations per FTE student, as percentage of total, fiscal years 2009 to 2015



Source: Prepared by the SAO using IPEDS data and enrollment information from MDHE

While the proportion of higher education costs being passed along to students and families is increasing, the actual dollar amount passed on to students and families is also increasing. The true price of attending one of Missouri's 4-year public institutions is much more than net tuition and fees. Students also pay for room and board, textbooks, and school supplies. The sum of all these expenses is known as the total cost of attendance. Figure 2.2 shows the total cost of attendance per FTE student to attend a 4-year public institution. Total average cost per FTE student increased from \$13,164 per year in fiscal year 2009 to \$15,004 per year in fiscal year 2015, or by an average of 2 percent per year.

Figure 2.2: Total cost of attendance per FTE student to attend a 4-year public institution, in dollars, fiscal year 2009 to 2015



Source: Prepared by the SAO using IPEDS data and enrollment information from MDHE

Officials from 5 institutions indicated the level of state appropriations has a direct impact on the affordability of public higher education. If state appropriations are decreased, tuition and fees must increase. While cost containment efforts have been made, they have not been enough to cover the reduction in state appropriations. As discussed in more detail in MAR



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finding number 1, state appropriations for higher education have decreased from \$831.8 million in fiscal year 2009, to \$759.4 million in fiscal year 2015, or by approximately 9 percent. On a per FTE student basis the decrease is even more significant, decreasing by 3.2 percent per year, or a total of almost 19 percent over the same 7 year period.

### State Grant Aid Reductions

The affordability of public higher education has also been negatively impacted by reductions in state grant aid, and more specifically by the state transitioning away from an emphasis on need-based aid to more merit-based aid. Missouri's grant aid programs can be applied to both 4-year and 2-year institutions, with the exception of the A+ Scholarship Program, which can only be used at 2-year institutions (public, private, vocational, or technical).

National data<sup>12</sup> shows total state grant aid in Missouri has decreased at a significantly higher rate than other states. Missouri state grant aid decreased by 17 percent from school year 2008-2009 to school year 2013-2014, while the national median<sup>13</sup> change in state aid increased by 12 percent during that period. In total, Missouri's total state grant aid per FTE student of \$380 is 46 percent less than the national average of \$710 per student.

While state aid has been declining in total, the portion of state aid based on need has also declined. For the 2008-2009 school year approximately 72 percent of Missouri's state aid was need-based. However, for the 2013-2014 school year the need-based portion of state aid dropped to 56 percent, which is well below the national average of 76 percent. The Access Missouri Financial Assistance Program is the state's primary need-based program for undergraduate students who are Missouri residents. The program is designed to provide a simplified financial aid process, provide predictable, portable awards, and increase the number of schools available to Missouri students. Additional information about need-based grant aid by state is included at Appendix L.

The remaining 44 percent of state grant aid is merit-based aid. Examples of merit-based state grants include the A+ Scholarship Program, Advanced Placement Incentive Grant, and the Bright Flight Program. Merit-based aid programs all require some form of performance requirements, such as achieving a certain grade point average or test score. Since the A+ Scholarship Program makes up approximately 65 percent of the state's merit-based aid, the majority of merit-based aid goes to 2-year institutions.

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<sup>12</sup> *45th Annual Survey Report on State-Sponsored Student Financial Aid*, National Association of State Student Grant and Aid Program, 2015, <<http://www.nassgap.org/viewrepository.aspx?categoryID=3>>, accessed on April 28, 2016.

<sup>13</sup> We used the national median rather than the average because significant increases in some states skewed the national average. For example, total aid in Wyoming increased by 1,000 percent during this period.



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Conclusions

Public higher education institutions have implemented cost containment measures, resulting in limited growth in public higher education costs per FTE student, all while servicing an increasing student population and focusing on maintaining an acceptable level of educational quality. With minimal growth in education costs and reductions in state appropriations, public higher education institutions have passed an increased share of costs on to students through tuition and fees. In addition, reductions in overall state grant aid, and specifically reductions to need-based state aid programs have had a negative impact on the affordability of public higher education in the state.

Recommendation

The MDHE should continue to monitor the affordability of higher education in the state, and work with the General Assembly to ensure appropriations for higher education and student aid programs are sufficient to maintain the affordability of higher education for students and families without negatively impacting the quality of educational programs.

Auditee's Response

*In a challenging fiscal landscape, Missouri's public universities have streamlined operations while continuing to equip students with the knowledge and skills they need for the future. Students falling outside the scope of HESFA—out-of-state, international, and graduate students—have necessarily borne a greater share of cost increases, which has enabled universities to provide quality education to all.*

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**3. Higher Education  
Student Funding  
Act**

Improvements in the MDHE's oversight of the HESFA are needed. The MDHE has not promulgated an official rule to define a key term in the HESFA, has not verified tuition data provided by the institutions, and has not maintained documentation of communications with institutions.

The HESFA was established in 2007 under Chapter 173, RSMo, and defined a role in the tuition setting process for the CBHE and the Commissioner of Higher Education. Per the HESFA, institutions that increase tuition and "required fees" at rates in excess of the change in the CPI must either return a portion of their state appropriations to the state or ask the Commissioner to waive the financial penalty in whole or in part.

3.1 Rulemaking Procedures

The MDHE has not formally promulgated a state rule to define the term "required fees." How "required fees" is defined has a significant impact on the implementation of the HESFA, tuition levels, and the affordability of higher education.

After the HESFA became law, the MDHE, along with input from the institutions, created an implementation guide that includes a general description and intent of the HESFA, the statutory language, definitions and acronyms, tuition policy, and procedures relating to tuition. Section 173.1003, RSMo, defines the term "tuition" as the amount of "tuition and



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required fees, excluding any fee established by the student body of the institution." The statute does not further define "required fees." The MDHE's implementation guideline defined "tuition" as "the amount an institution charges per semester for each of two semesters. Per semester tuition shall be the average dollar amount an institution charges each Missouri resident undergraduate student enrolled in 15 credit hours plus each student's required fees; provided, however, that tuition shall include only the fees required of all undergraduate students and shall not include course-specific or program fees." Based on this definition, the MDHE only considers tuition and any fees charged to all undergraduate students evenly when determining compliance with the HESFA. As a result, increases in supplemental fees have not been considered part of that calculation. This definition has allowed institutions to increase supplemental fees at a rate significantly higher than the increase allowed for tuition in an effort to supplement reduced revenues from state appropriations.

The MDHE interpretation of the term "required fees" to include "only the fees required of all undergraduate students" appears to be inconsistent with the common definition of the word "required." While supplemental fees vary among degree programs, some level of supplemental fees are associated with the majority of degree programs and must be paid in order to obtain a degree, and would therefore be "required." In addition, the statute clearly excludes any fee established by the student body, but does not specifically exclude supplemental fees.

Section 173.081, RSMo, gives the CBHE specific rulemaking authority for Chapter 173. Due to the potential impact of the interpretation of "required fees" and its importance to the public, formally promulgating a rule to clarify the issue appears appropriate. Section 536.024, RSMo, provides an open and transparent method for agencies to set forth rules of general applicability that impact the public. This process would subject any proposed rules to a legislative review prior to any rule taking effect.

### 3.2 Oversight

The MDHE's oversight process to ensure institutions comply with HESFA tuition requirements is in need of improvement. While the MDHE has generally ensured that tuition increases follow the HESFA restrictions, MDHE procedures to calculate allowable tuition levels are not adequate. Tuition and fee information provided by the institutions is not verified, and documentation of the tuition review process is not always maintained.

#### Verification of Data Reported by the Institutions

The MDHE does not verify the accuracy of tuition and fees information provided by the institutions on the annual comprehensive fee survey. The information provided on the fee survey is used to calculate the average state tuition, calculate the tuition rate increase percentages, and ensure compliance with the HESFA.



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We reviewed the comprehensive fee surveys for all public 4-year institutions and the State Technical College of Missouri and compared the data reported by the institutions to the state average tuition calculated by the MDHE for fiscal year 2009 to fiscal year 2016. Our review identified three instances where the MDHE failed to adequately identify student approved fees, resulting in the state average tuition calculation being incorrect. The state average tuition calculation is required as part of the HESFA, and can impact the amount of allowable tuition increases at institutions which fall below the state average. These errors resulted in the state average tuition for multiple years being incorrect. While the errors noted did not result in significant errors in the state average tuition calculation, oversight and monitoring of this calculation is necessary for the MDHE to accurately implement state law.

Our review also identified other differences between the comprehensive fee survey and MDHE compliance calculations. MDHE personnel indicated the differences were due to changes to tuition and fees made by the institutions after the initial survey filing. However, the MDHE did not require the institutions to file an amended comprehensive fee survey or verify the changes.

The MDHE provides the only oversight of state institutions for compliance with the HESFA and tuition rates. Sufficient oversight is necessary to help ensure the accuracy of the information reported by the institutions and ensure compliance with the HESFA.

#### Letters and Notices

The MDHE has not always maintained copies of signed letters and notices sent to institutions related to the HESFA in accordance with the state's general record retention policy.

According to MDHE officials, written notice is provided to all institutions indicating the average tuition for the current academic year by December first of each year, and the change in the CPI for the prior year by January 15. The MDHE also receives a notice of tuition changes from institutions and notifies each institution in writing that its notice of tuition change has been received, and whether the institution is in compliance with the HESFA.

For the 3 years ending June 30, 2016, we selected three institutions from each year and requested copies of the letters and notices related to tuition and fees increases. The MDHE was unable to provide 4 of the 30 letters and notices requested, an error rate of 13 percent. State record retention policies established by the Secretary of State require the MDHE maintain such general correspondence for a minimum of 3 years.

The MDHE is responsible for providing oversight of the institutions and ensuring compliance with the HESFA. Maintaining adequate documentation



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of communications with the institutions is necessary to ensure the MDHE's efforts are verifiable and transparent.

## Recommendations

The MDHE:

- 3.1 Use its rulemaking authority to promulgate rules related to the HESFA, including a definition of "required fees."
- 3.2 Verify tuition data reported on the comprehensive fee surveys and ensure amended comprehensive fee surveys, along with copies of correspondence, are maintained.

## Auditee's Response

- 3.1 *HESFA's application is limited by statute to full-time in-state undergraduates' "tuition and required fees," and specifically excludes a subset of required fees that are student-approved. As interpreted by MDHE and the higher education community since the inception of HESFA, "required fees" are those that are actually required (i.e. not optional) for students. An institution's study abroad fee, for example, which is designed to cover the unique expenses of that program, is not required. Indeed, participation in such programs is, without exception, optional.*

*The same may be said for a number of program and course options, chemistry labs for example, that entail unique materials, equipment, instructional costs, and therefore fees, to deliver. A student's choice of degree program will certainly have implications for which courses are desirable or even necessary. But most courses (and any associated fees) are, at least as an initial matter, a choice—choice of program, choice of elective, choice to study abroad—and stand in contrast with truly required fees like technology and athletic facilities, which all students must pay regardless of their distinctive academic paths. HESFA was not intended to cover every potential cost a student may encounter along his or her path toward a college degree. Due in large part to HESFA, obtaining a postsecondary credential remains a high value proposition, whether a student charts a path through sophisticated scientific equipment, old copies of literary classics, or anything in between.*

*MDHE agrees to reassess its legal authority to promulgate administrative rules for HESFA, and to ensure that its application of HESFA is faithful to the statutory language.*

- 3.2 *MDHE will, as permitted by limited resources, develop and implement additional verification measures for tuition and fee data provided by institutions. MDHE is committed to improving accuracy, and is pleased with the Auditor's confirmation of no*



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*significant errors in the department's state average tuition calculations. MDHE has maintained complete documentation, including correspondence and surveys, for the most recent annual compliance cycles, and reaffirms its commitment to maintain complete documentation going forward.*

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# Public Higher Education Funding and Affordability Organization and Statistical Information

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The Missouri Department of Higher Education (MDHE) is headed by a nine-member Coordinating Board for Higher Education (CBHE). The commissioner of higher education is appointed by the CBHE and serves as its chief executive officer in carrying out the goals and administrative responsibilities for the state system of higher education, with 13 public 4-year universities, 14 public 2-year community colleges, 26 independent colleges and universities, and more than 150 proprietary and private career schools serving more than 450,000 students.

As of June 30, 2015, the CBHE consisted of the following members:

Member	Term Expires	Party Affiliation
Betty Sims, Chair (1)	June 2016	Republican
Brian Fogle, Vice Chair	June 2012	Democrat
Carolyn Mahoney, Secretary	June 2018	Democrat
Dalton Wright, Member	June 2014	Republican
Doug Kennedy, Member	June 2020	Democrat
Vacant (2)		
Vacant (3)		
Vacant (4)		
Vacant (5)		

(1) Betty Sims passed away August 22, 2016

(2) Samuel Murphey, Democrat, was appointed to a term beginning May 5, 2016

(3) Michael Thomson, Republican, was appointed to a term beginning May 5, 2016

(4) John Siscel III, Republican, was appointed to a term beginning June 3, 2016

(5) District 5 position has been vacant since April 2011

The CBHE members serve without compensation but are reimbursed for expenses. The nine members of the CBHE, one from each congressional district and one at-large, are appointed to 6-year terms by the Governor and confirmed by the Senate. In addition, no more than five of the nine members may be affiliated with the same political party. Dr. David Russell served as the commissioner of higher education from July 2010 until his retirement effective March 1, 2016. Leroy Wade served as interim commissioner of higher education from March 1, 2016 until August 28, 2016. Zora Mulligan was appointed commissioner of higher education effective August 29, 2016.

The MDHE's functions include identification of statewide needs for higher education, statewide planning for higher education, evaluation of student and institutional performance, review of institutional missions, development of effective and economical specialization among institutions, and administration of a performance funding program awarded to public community colleges and universities based on meeting established objectives. The functions also include submission of a unified budget request for public higher education to the Governor and the Missouri



## Public Higher Education Funding and Affordability Organization and Statistical Information

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General Assembly, administration of a statewide postsecondary technical education program, approval of new degree programs offered at public colleges and universities, setting policy for student financial assistance programs, and administration of the Proprietary School Certification Program. The MDHE's planning activities include the state's independent institutions as well as the public institutions. In addition, the MDHE has statutory responsibility for the administration of several state student financial assistance programs and is the state's designated guaranty agency for the Missouri Student Loan Program, which administers the Federal Family Education Loan Program.

At June 30, 2015, the MDHE had 57 employees.

## Net Tuition and Fees Per FTE Student, by Institution

The following table lists Missouri's public 4-year institutions and the net tuition and fees per FTE student for fiscal years 2009 through 2015. Net tuition and fees includes revenues from all tuition and fees, including supplemental course fees, supplemental program fees, student approved fees, and required fees, and tuition, net of discounts and allowances for educational purposes. The data presented represents all student types, including in-state, out of state, undergraduate, and graduate students.

Institution	Year Ended June 30,							% Change 2009-2015
	2009	2010	2011	2012	2013	2014	2015	
Harris-Stowe State University	\$3,320	2,362	2,292	2,266	2,633	3,334	4,005	21%
Missouri Southern State University	3,065	3,295	3,517	3,982	3,860	3,359	3,221	5%
Missouri Western State University	3,730	3,197	4,682	4,960	5,304	5,570	5,641	51%
University of Central Missouri	6,326	6,163	6,268	6,622	6,503	7,268	7,430	17%
Northwest Missouri State University	5,572	5,472	5,572	6,018	6,379	6,679	6,676	20%
Southeast Missouri State University	6,466	6,532	7,014	7,324	7,630	7,753	8,009	24%
Missouri State University	5,282	5,881	5,914	6,159	6,378	6,604	6,676	26%
Truman State University	4,133	3,892	4,114	4,725	4,989	4,935	4,859	18%
Lincoln University	4,105	3,383	3,115	3,359	3,509	3,384	3,134	-24%
University of Missouri - Columbia	8,605	8,538	8,862	9,600	10,430	10,848	11,253	31%
University of Missouri - Kansas City	10,758	10,610	10,718	11,092	11,519	12,017	12,056	12%
University of Missouri - St. Louis	7,924	7,720	7,676	8,014	8,296	8,888	8,574	8%
Missouri University of Science and Technology	8,403	8,155	8,453	9,462	10,312	11,291	11,432	36%

Source: Prepared by the SAO using tuition data obtained from IPEDS

# Total Revenues

The following table lists total sources of revenue generated by Missouri's public 4-year institutions for fiscal years 2009 through 2015. Total sources of revenue include state appropriations, net tuition and fees, federal appropriations and grants and contracts, auxiliary enterprises and educational activities, investment income and other, and state and local government grants and contracts.

	Year Ended June 30,							% Change 2009-2015
	2009	2010	2011	2012	2013	2014	2015	
State Appropriations	\$831,787,535	843,350,934	761,432,774	698,117,833	704,155,584	715,077,056	759,424,057	-8.7%
Net Tuition and Fees	741,237,895	765,117,657	817,568,429	896,033,839	946,471,917	996,558,545	1,035,865,356	39.7%
Federal Appropriations	14,858,357	21,455,460	28,416,220	28,222,000	29,154,166	27,675,151	34,807,775	134.3%
Federal Grants and Contracts	343,323,850	380,713,363	414,754,193	401,084,277	395,537,724	368,589,169	357,570,501	4.1%
Auxiliary Enterprises and Educational Activities	666,480,610	654,411,399	701,913,289	701,913,289	747,450,984	744,239,019	763,569,405	14.6%
Investment Income and Other	(18,004,125)	278,622,249	368,584,395	152,218,275	255,230,653	463,734,280	234,862,206	1404.5%
State and Local Grants, and Gifts	243,126,713	237,356,567	228,581,800	268,993,361	237,567,710	241,935,677	248,382,738	2.2%
<b>Total Revenues</b>	<b>\$2,822,810,835</b>	<b>3,181,027,629</b>	<b>3,321,251,100</b>	<b>3,146,582,874</b>	<b>3,315,568,738</b>	<b>3,557,808,897</b>	<b>3,434,482,038</b>	<b>21.7%</b>

Source: IPEDS

## Total Revenues Per FTE Student

The following table lists total sources of revenue per FTE student generated by Missouri's public 4-year institutions for fiscal years 2009 through 2015. Total sources of revenue include state appropriations, federal appropriations and grants and contracts, auxiliary enterprises and educational activities, other income including investment income, and state and local government grants and contracts. FTE student data is presented at Appendix G.

	Year Ended June 30,							% Change 2009-2015
	2009	2010	2011	2012	2013	2014	2015	
State Appropriations	\$7,778	7,601	6,653	6,011	6,037	6,100	6,332	-19%
Net Tuition and Fees	6,932	6,896	7,144	7,715	8,115	8,501	8,638	25%
Federal Appropriations	139	193	248	243	250	236	290	109%
Federal Grants and Contracts	3,211	3,431	3,624	3,453	3,391	3,144	2,982	-7%
Auxiliary Enterprises and Educational Activities	6,233	5,898	6,133	6,043	6,409	6,349	6,367	2%
Investment Income and Other	(168)	2,511	3,221	1,311	2,188	3,956	1,958	1265%
State and Local Grants, and Gifts	2,273	2,139	1,997	2,316	2,037	2,064	2,071	-9%
<b>Total Revenues</b>	<b>\$26,398</b>	<b>28,669</b>	<b>29,020</b>	<b>27,092</b>	<b>28,427</b>	<b>30,350</b>	<b>28,638</b>	<b>8%</b>

Source: Prepared by the SAO using IPEDS data and enrollment information from MDHE

# In-State Undergraduate Tuition Per FTE Student, by State

The following table lists in-state undergraduate tuition per FTE student, by state. Amounts represent tuition charged, and do not include any supplemental fees.

Rank	State	Year Ended June 30,								% Change 2008-2015
		2008	2009	2010	2011	2012	2013	2014	2015	
1	Wyoming	\$3,929	4,129	4,299	4,357	4,456	4,499	4,654	4,891	24.50%
2	Montana	5,789	6,079	6,143	6,212	6,412	6,360	6,301	6,351	9.70%
3	New Mexico	4,904	5,304	5,614	5,741	5,915	6,089	6,166	6,355	29.58%
4	Florida	4,150	4,783	5,511	5,941	6,495	6,452	6,345	6,360	53.26%
5	Utah	4,638	5,068	5,381	5,599	5,846	6,042	6,171	6,363	37.18%
6	Alaska	5,075	5,455	5,759	5,762	6,026	6,012	6,149	6,571	29.47%
7	Nevada	4,771	5,035	5,822	6,384	6,656	6,525	6,438	6,667	39.76%
8	Idaho	5,004	5,415	5,835	6,002	6,239	6,462	6,610	6,818	36.26%
9	North Carolina	4,764	5,030	5,827	6,010	6,459	6,657	6,685	6,973	46.37%
10	Mississippi	5,367	5,488	5,795	5,993	6,416	6,707	6,870	7,147	33.16%
11	West Virginia	5,107	5,519	5,721	5,848	6,130	6,388	6,698	7,171	40.43%
12	Oklahoma	6,120	6,008	6,294	6,413	6,670	6,726	7,094	7,450	21.72%
13	Nebraska	6,462	6,909	7,225	7,295	7,483	7,473	7,348	7,608	17.73%
14	New York	5,556	6,361	6,342	6,554	6,836	7,076	7,306	7,644	37.57%
15	North Dakota	6,626	7,021	7,191	7,248	7,298	7,431	7,527	7,688	16.02%
16	Arkansas	6,417	6,627	6,901	7,029	7,287	7,408	7,606	7,867	22.61%
17	Louisiana	4,419	4,745	5,181	5,542	6,120	6,748	7,337	7,871	78.11%
18	Iowa	6,980	7,438	7,832	7,988	8,157	8,007	7,868	7,877	12.86%
19	South Dakota	6,182	6,684	6,916	7,176	7,696	7,809	7,713	8,055	30.29%
20	Georgia	4,831	5,550	6,428	7,709	7,853	7,992	8,063	8,447	74.84%
21	Kansas	6,521	6,995	7,254	7,310	7,583	7,896	8,270	8,530	30.82%
22	<b>Missouri</b>	<b>7,842</b>	<b>7,996</b>	<b>7,959</b>	<b>8,118</b>	<b>8,276</b>	<b>8,268</b>	<b>8,409</b>	<b>8,564</b>	<b>9.21%</b>
23	Wisconsin	7,373	7,945	8,441	8,659	9,052	8,931	8,785	8,815	19.55%
24	Texas	7,507	8,121	8,477	8,507	8,692	8,705	8,852	9,117	21.44%
25	Indiana	7,836	8,470	8,744	8,813	9,078	9,119	9,049	9,120	16.39%
26	Maryland	8,020	8,285	8,470	8,410	8,552	8,663	8,697	9,163	14.25%
	<b>National Average</b>	<b>6,996</b>	<b>7,630</b>	<b>8,115</b>	<b>8,461</b>	<b>8,732</b>	<b>8,862</b>	<b>8,948</b>	<b>9,234</b>	<b>32.00%</b>
27	Tennessee	6,169	6,758	7,140	7,574	7,996	8,210	8,941	9,263	50.16%
28	California	5,898	7,259	8,194	9,436	9,361	9,274	9,187	9,270	57.17%
29	Oregon	6,769	7,653	8,138	8,445	8,658	8,786	8,949	9,371	38.44%
30	Kentucky	7,388	7,886	8,231	8,423	8,815	8,889	9,223	9,567	29.50%
31	Maine	8,764	9,469	9,792	9,894	9,753	9,594	9,560	9,573	9.23%
32	Colorado	6,284	6,948	7,748	8,316	8,793	9,293	9,299	9,748	55.12%
33	Alabama	6,475	7,189	8,071	8,452	9,098	9,359	9,496	9,751	50.59%
34	Hawaii	6,318	7,356	8,164	8,840	8,972	9,270	9,713	10,175	61.05%
35	Ohio	9,194	9,425	9,913	9,980	10,175	10,157	10,104	10,196	10.90%
36	Washington	6,980	8,113	8,973	10,029	11,037	11,045	10,703	10,288	47.41%
37	Arizona	6,058	7,263	8,840	9,967	10,134	10,296	10,414	10,646	75.73%
38	Minnesota	9,024	9,739	10,276	10,583	10,793	10,691	10,582	10,831	20.03%
39	Rhode Island	8,384	9,423	10,201	10,578	11,376	11,132	10,977	11,390	35.86%
40	Connecticut	8,721	9,371	9,827	9,736	10,037	10,453	10,664	11,397	30.69%
41	Massachusetts	8,939	10,239	10,386	10,738	11,093	10,981	10,987	11,588	29.63%
42	Delaware	8,995	9,987	10,534	11,026	11,363	11,503	11,515	11,676	29.80%
43	South Carolina	9,908	10,550	11,016	10,940	11,192	11,407	11,470	11,816	19.26%
44	Virginia	8,225	8,795	9,643	10,072	10,314	10,590	11,202	11,819	43.69%
45	Michigan	9,906	10,817	11,095	11,452	11,660	11,851	11,618	11,991	21.05%
46	Illinois	10,872	11,536	12,008	12,285	12,675	12,853	12,813	13,189	21.31%
47	New Jersey	11,661	12,338	12,752	12,708	12,935	12,998	13,027	13,303	14.08%
48	Pennsylvania	11,233	11,929	12,404	12,766	12,893	13,079	13,157	13,395	19.25%
49	Vermont	12,305	13,316	13,655	13,833	14,089	14,267	14,501	14,993	21.85%
50	New Hampshire	11,168	12,273	13,077	14,263	15,224	14,969	14,756	15,160	35.75%

Source: Collegeboard.org

## Total Net Tuition and Fees

The following table lists net tuition and fees at Missouri's public 4-year institutions for fiscal years 2009 through 2015. Net tuition and fees includes revenues from all tuition and fees assessed against students, net of discounts and allowances for educational purposes.

	Year Ended June 30,						% Change 2009-2015	
	2009	2010	2011	2012	2013	2014		2015
Tuition	\$860,738,960	897,182,783	945,769,589	1,012,365,080	1,069,411,060	1,120,859,725	1,160,870,971	35%
Required Fees	63,725,630	67,896,788	70,842,790	83,295,933	74,411,974	71,929,329	78,310,212	23%
Supplemental Course Fees	29,497,244	31,439,910	38,959,604	46,302,189	54,385,065	57,550,360	70,309,956	138%
Other Miscellaneous Fees	54,180,267	57,397,004	63,977,285	71,359,729	73,882,572	80,758,337	84,392,828	56%
<b>Total Tuition and Fees</b>	<b>1,008,142,101</b>	<b>1,053,916,485</b>	<b>1,119,549,268</b>	<b>1,213,322,931</b>	<b>1,272,090,671</b>	<b>1,331,097,751</b>	<b>1,393,883,967</b>	<b>38%</b>
Discounts and Allowances	(266,904,206)	(288,798,829)	(301,980,838)	(317,289,092)	(325,618,753)	(334,539,206)	(358,018,610)	34%
<b>Net Tuition and Fees</b>	<b>\$741,237,895</b>	<b>765,117,656</b>	<b>817,568,430</b>	<b>896,033,839</b>	<b>946,471,918</b>	<b>996,558,545</b>	<b>1,035,865,357</b>	<b>40%</b>

Source: IPEDS and tuition and fee data provided by the institutions

## Net Tuition and Fees Per FTE Student

The following table lists net tuition and fees generated by Missouri's public 4-year institutions for fiscal years 2009 through 2015 per FTE student. Net tuition and fees per FTE student includes revenues from all tuition and fees assessed against students, net of discounts and allowances for educational purposes. FTE student data is presented at Appendix G.

	Year Ended June 30,							% Change 2009-2015
	2009	2010	2011	2012	2013	2014	2015	
Tuition	\$8,049	8,086	8,264	8,716	9,169	9,562	9,680	20%
Required Fees	596	612	619	717	638	614	653	10%
Supplemental Course fees	276	283	340	399	466	491	586	112%
Other Miscellaneous Fees	507	517	559	614	633	689	704	39%
Total Tuition and Fees	9,428	9,498	9,782	10,446	10,906	11,356	11,623	23%
Discounts and Allowances	(2,496)	(2,603)	(2,639)	(2,732)	(2,792)	(2,854)	(2,985)	20%
Net Tuition and Fees	\$6,932	6,895	7,143	7,714	8,114	8,502	8,638	25%

Source: Prepared by the SAO using IPEDS, tuition and fee data provided by the institutions, and enrollment information from MDHE

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## Enrollment Data

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The following table lists the number of FTE students enrolled at Missouri's public 4-year institutions, including graduate, undergraduate, and professional students for fiscal years 2008 through 2015.

Fiscal Year	Undergraduate	Graduate	Professional	Total	% Change
2008	89,624	11,920	2,800	104,344	
2009	91,709	12,385	2,842	106,936	2.5%
2010	94,967	13,077	2,907	110,951	3.8%
2011	97,930	13,562	2,964	114,456	3.2%
2012	99,482	13,637	3,025	116,144	1.5%
2013	100,031	13,474	3,129	116,634	0.4%
2014	100,223	13,692	3,311	117,226	0.5%
2015	101,666	15,089	3,170	119,925	2.3%

Source: MDHE

## State Funding Per \$1,000 in Personal Income

The following table lists state funding per \$1,000 in personal income, by state, for the 2014-2015 school year.

Rank	State	State Funding Per \$1,000 in Personal Income	Rank	State	State Funding Per \$1,000 in Personal Income
1	Wyoming	\$11.68		<b>United States</b>	<b>\$5.55</b>
2	New Mexico	\$11.60	27	Minnesota	\$5.47
3	North Dakota	\$10.08	28	South Dakota	\$5.46
4	Alaska	\$9.79	29	South Carolina	\$5.45
5	Mississippi	\$9.78	30	Delaware	\$5.28
6	North Carolina	\$9.49	31	Florida	\$5.00
7	Arkansas	\$8.87	32	Connecticut	\$4.97
8	Hawaii	\$8.65	33	New York	\$4.95
9	Alabama	\$8.09	34	Maine	\$4.86
10	Nebraska	\$8.05	35	Wisconsin	\$4.66
11	Utah	\$8.02	36	Washington	\$4.54
12	Illinois	\$7.99	37	Michigan	\$4.45
13	West Virginia	\$7.47	38	Virginia	\$4.38
14	Georgia	\$7.37	39	Nevada	\$4.36
15	Kentucky	\$7.10	40	Ohio	\$4.35
16	Idaho	\$6.53	41	Oregon	\$4.24
17	Indiana	\$6.48	42	New Jersey	\$4.10
18	Oklahoma	\$6.29	43	<b>Missouri</b>	<b>\$4.09</b>
19	Kansas	\$6.08	44	Massachusetts	\$3.70
20	California	\$6.05	45	Arizona	\$3.62
21	Iowa	\$6.01	46	Rhode Island	\$3.45
22	Tennessee	\$5.95	47	Vermont	\$3.11
23	Montana	\$5.80	48	Colorado	\$3.00
24	Louisiana	\$5.76	49	Pennsylvania	\$2.73
25	Texas	\$5.60	50	New Hampshire	\$1.75
26	Maryland	\$5.58			

Source: Collegeboard.org

# State Appropriations Per FTE Student, by State

The following table shows state appropriations per FTE student, by state, for fiscal years 2008, 2009, 2013, and 2014.

Rank	State	Year Ended June 30,				% Change 2008-2014
		2008	2009	2013	2014	
1	Illinois	\$8,187	8,223	9,626	12,293	50.2%
2	North Dakota	5,736	5,420	6,688	7,888	37.5%
3	Alaska	13,214	13,650	13,188	13,978	5.8%
4	Indiana	5,236	5,321	4,501	5,005	-4.4%
5	New York	8,868	8,659	8,129	8,454	-4.7%
6	Montana	5,205	5,274	4,379	4,939	-5.1%
7	Wyoming	16,428	17,123	16,800	15,561	-5.3%
8	Nebraska	8,300	7,976	7,503	7,840	-5.5%
9	Arkansas	8,123	7,987	7,731	7,653	-5.8%
10	Vermont	3,166	2,889	2,708	2,816	-11.0%
11	Maryland	8,583	7,926	7,022	7,512	-12.5%
12	Maine	7,170	6,920	6,096	6,252	-12.8%
13	Texas	9,444	8,895	7,366	8,050	-14.8%
14	California	8,825	7,938	7,252	7,509	-14.9%
15	Wisconsin	2,071	7,100	5,990	5,786	-18.2%
16	Kansas	6,924	6,711	5,745	5,648	-18.4%
	<b>National Average</b>	<b>8,081</b>	<b>7,553</b>	<b>6,215</b>	<b>6,552</b>	<b>-18.9%</b>
17	South Dakota	6,034	5,618	4,872	4,878	-19.2%
18	Iowa	6,739	6,810	5,112	5,335	-20.8%
19	Oklahoma	8,998	8,951	7,193	7,080	-21.3%
20	North Carolina	10,933	9,619	8,851	8,562	-21.7%
21	Tennessee	9,029	8,875	6,266	6,959	-22.9%
22	Michigan	6,179	5,905	4,564	4,765	-22.9%
23	Massachusetts	7,898	6,805	5,785	6,073	-23.1%
24	Georgia	9,496	8,497	6,836	7,297	-23.2%
25	Ohio	5,638	5,777	4,249	4,314	-23.5%
26	New Mexico	10,530	8,985	8,269	8,029	-23.7%
27	Mississippi	8,534	7,775	6,274	6,514	-23.7%
28	Minnesota	7,007	6,680	4,814	5,327	-24.0%
29	Rhode Island	6,172	5,169	4,547	4,690	-24.0%
30	Delaware	6,682	6,476	4,954	5,052	-24.4%
31	Kentucky	9,034	8,428	6,884	6,824	-24.5%
32	Hawaii	10,129	10,255	7,532	2,618	-24.8%
33	Washington	7,616	7,178	4,945	5,700	-25.2%
34	Utah	7,406	6,648	5,106	5,506	-25.7%
35	West Virginia	7,463	6,319	5,887	5,530	-25.9%
36	Virginia	6,469	6,215	4,635	4,779	-26.1%
37	Connecticut	9,763	9,192	6,509	7,192	-26.3%
38	Colorado	4,173	4,514	2,822	3,022	-27.6%
39	<b>Missouri</b>	<b>7,335</b>	<b>7,172</b>	<b>5,311</b>	<b>5,297</b>	<b>-27.8%</b>
40	New Jersey	7,698	7,206	5,658	5,520	-28.3%
41	Oregon	5,972	5,587	3,952	4,214	-29.4%
42	Nevada	10,140	9,678	6,826	7,016	-30.8%
43	Florida	8,494	7,320	4,879	5,798	-31.7%
44	New Hampshire	3,536	3,483	1,724	2,360	-33.3%
45	Idaho	10,520	10,266	6,676	2,004	-33.4%
46	Arizona	8,046	7,736	5,056	5,171	-35.7%
47	South Carolina	7,705	6,092	4,891	4,894	-36.5%
48	Pennsylvania	5,836	5,645	3,633	3,654	-37.4%
49	Alabama	9,278	6,888	5,694	5,673	-38.9%
50	Louisiana	9,426	9,096	5,625	5,606	-40.5%

Source: SHEEO

# Total Expenditures

The following table lists total combined expenditures for the Missouri's public 4-year institutions for fiscal years 2009 through 2015.

	Year Ended June 30,							% Change 2009-2015
	2009	2010	2011	2012	2013	2014	2015	
Instruction	\$975,392,962	999,816,692	1,030,761,905	1,096,453,809	1,123,000,480	1,195,633,948	1,214,216,598	24%
Research	264,839,256	269,127,992	265,609,836	254,675,925	252,199,489	247,615,698	240,141,718	-9%
Public Service	227,462,153	200,362,645	193,735,588	204,009,209	204,715,214	211,089,729	214,642,775	-6%
Academic Support	211,563,740	219,123,271	220,834,901	227,535,057	228,643,769	239,534,875	246,925,595	17%
Institutional Support	200,518,818	219,488,199	247,519,747	268,155,592	253,621,745	274,249,966	271,915,388	36%
Student Services	160,092,891	170,192,740	176,702,080	185,146,741	194,117,237	215,040,772	248,237,933	55%
Other Core Expenses	205,318,620	164,314,340	146,026,553	176,815,816	137,774,744	140,401,074	178,117,011	-13%
Auxiliary Enterprises	561,783,335	613,713,222	672,493,861	688,886,727	736,245,599	736,593,670	798,456,758	42%
<b>Total Expenditures</b>	<b>\$2,806,971,775</b>	<b>2,856,139,101</b>	<b>2,953,684,471</b>	<b>3,101,678,876</b>	<b>3,130,318,277</b>	<b>3,260,159,732</b>	<b>3,412,653,776</b>	<b>23%</b>

Source: IPEDS

## Expenditures Per FTE Student

The following table lists total expenditures per FTE student for Missouri's public 4-year institutions for fiscal years 2009 through 2015.

	2009	2010	2011	2012	2013	2014	2015	2009 - 2015
Instruction	\$9,121	9,011	9,007	9,440	9,628	10,199	10,125	11%
Research	2,477	2,426	2,321	2,193	2,162	2,112	2,002	-19%
Public Service	2,127	1,806	1,693	1,756	1,755	1,801	1,790	-16%
Academic Support	1,978	1,975	1,930	1,959	1,960	2,043	2,059	4%
Institutional Support	1,875	1,978	2,163	2,309	2,175	2,339	2,267	21%
Student Services	1,497	1,534	1,544	1,594	1,664	1,834	2,070	38%
Other Core Expenses	1,920	1,481	1,276	1,522	1,181	1,198	1,485	-23%
Auxiliary Enterprises	5,253	5,531	5,876	5,931	6,312	6,284	6,658	27%
<b>Total</b>	<b>\$26,248</b>	<b>25,742</b>	<b>25,810</b>	<b>26,704</b>	<b>26,837</b>	<b>27,810</b>	<b>28,456</b>	<b>8%</b>

Source: Prepared by the SAO using IPEDS data and enrollment information from MDHE

## Need-Based Aid, by State

The following table lists the percentage of state aid based on need, by state for the 2013-2014 school year.

Rank		Percentage of State Grants Based on Financial Need	Rank		Percentage of State Grants Based on Financial Need
1	Arizona	100%	27	Oklahoma	89%
2	Hawaii	100%		<b>United States</b>	<b>76%</b>
3	Kansas	100%	28	Alabama	74%
4	Maine	100%	29	Montana	73%
5	Nebraska	100%	30	Virginia	69%
6	Oregon	100%	31	Ohio	68%
7	Rhode Island	100%	32	Delaware	65%
8	Texas	100%	33	North Dakota	60%
9	Wyoming	100%	34	<b>Missouri</b>	<b>56%</b>
10	Minnesota	100%	35	Kentucky	46%
11	California	100%	36	West Virginia	43%
12	Washington	100%	37	Alaska	33%
13	Illinois	100%	38	Florida	32%
14	Pennsylvania	100%	39	Utah	31%
15	Colorado	99%	40	Mississippi	30%
16	Vermont	99%	41	Nevada	29%
17	Connecticut	99%	42	Idaho	29%
18	Michigan	99%	43	New Mexico	27%
19	New Jersey	98%	44	Tennessee	24%
20	North Carolina	98%	45	South Carolina	17%
21	Indiana	98%	46	Louisiana	10%
22	Wisconsin	98%	47	Arkansas	6%
23	Maryland	97%	48	South Dakota	4%
24	New York	97%	49	Georgia	0%
25	Massachusetts	96%	50	New Hampshire	0%
26	Iowa	93%			

Source: Collegeboard.org

## **AGENDA ITEM SUMMARY**

### **AGENDA ITEM**

MCCCKC Energy Loan Application  
Coordinating Board for Higher Education  
September 8, 2016

### **DESCRIPTION**

The Missouri Department of Economic Development's Division of Energy issues low-interest loans through its Energy Loan Program to public and private institutions of higher education to finance energy efficiency improvements. Borrowing institutions repay the loans from energy savings, so project repayment does not divert existing revenue streams. Loans have a maximum repayment term of ten years. Energy Loan Program financing may be used for various energy-saving investments such as upgrading insulation, lighting systems, heating and cooling systems, renewable energy systems, windows and other upgrades that affect energy use.

In the past five years, the Energy Loan Program has issued more than \$9 million for successful energy efficiency projects at a variety of 2- and 4-year public and private institutions.

The Missouri Division of Energy has reviewed and approved the attached energy loan application from Metropolitan Community College ("MCCCKC"). MCCCKC applied for a \$850,000 loan to be fully amortized via energy savings over a period of seven years. The project will replace 900 light fixtures across parking lots and pathways with efficient LED fixtures. The project will save an estimated \$122,000/year in energy costs.

In order for the loan to proceed, the CBHE must certify that those projects selected for loans or financial assistance "are consistent with related state programs for education facilities." The MDHE has reviewed the project application and found no inconsistency with related programs.

### **STATUTORY REFERENCE**

Section 640.653.6 RSMo

### **RECOMMENDED ACTION**

**It is recommended that the Coordinating Board certify the project described in MCCCKC's energy loan application as consistent with related state programs for education facilities.**

### **ATTACHMENTS**

MCCCKC Energy Loan Application



MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT  
 DIVISION OF ENERGY - ENERGY LOAN PROGRAM  
**APPLICATION AUTHORIZATION FORM**

1. SECTOR <input type="checkbox"/> School K-12 <input type="checkbox"/> Local Government <input checked="" type="checkbox"/> Higher Education <input type="checkbox"/> Other, please specify:			
2. HOW DID YOU FIND US? (CHECK ALL THAT APPLY) <input type="checkbox"/> Website <input checked="" type="checkbox"/> Meeting/Event <input checked="" type="checkbox"/> Direct Mail <input type="checkbox"/> Colleague <input type="checkbox"/> Other, please specify:			
3. ORGANIZATION NAME <b>Metropolitan Community College</b>			4. Federal Tax ID (EIN) Number: <b>43-0813703</b>
5. NUMBER OF PEOPLE (students, staff, patients, customers, general public) THAT WOULD BENEFIT FROM THE IMPLEMENTATION OF THIS ENERGY PROJECT <b>25,000+ students, 2,000+ faculty/staff, limitless guests annually</b>		6. MAILING ADDRESS <b>3200 Broadway</b>	
7. COUNTY <b>Jackson</b>		8. CITY <b>Kansas City</b>	9. ZIP + 4 <b>64111-2429</b>
10. CONTACT NAME <b>Alan Olson</b>	11. TITLE <b>Interim Director of Facility Services</b>	12. PHONE NUMBER <b>816-604-1061</b>	13. FAX NUMBER <b>816-482-5840</b>
14. E-MAIL ADDRESS <b>Alan.Olson@mcckc.edu</b>	15. TOTAL PROPOSED PROJECT COST <b>\$850,000</b>		16. TOTAL LOAN AMOUNT REQUESTED <b>\$850,000</b>
17. PROJECT TYPE <input type="checkbox"/> Building <input checked="" type="checkbox"/> System, specify: <b>Exterior Lighting</b>	18. ESTIMATED START DATE <b>8/22/2016</b>		19. ESTIMATED PROJECT COMPLETION DATE <b>12/22/2016</b>
20. PROJECT LOCATION (ATTACH LIST OR MAP FOR MULTIPLE LOCATIONS) <b>District-wide: Longview, Maple Woods, Penn Valley, Business Tech, Blue River, AC, FS</b>			21. ESTIMATED ANNUAL ENERGY COST SAVINGS <b>\$122,000</b>
<b>BUILDING SPECIFIC INFORMATION: FOR MULTIPLE BUILDINGS, USE ADDITIONAL PAGES - INCLUDE INFORMATION FOR ITEMS 22 - 36</b>			
22. TOTAL BUILDING AREA IN SQUARE FEET	23. TOTAL AFFECTED BUILDING AREA IN SQUARE FEET <b>Parking Lot Approx 3,500,000 sqft</b>		24. APPROXIMATE NO. OF BUILDING OCCUPANTS <b>30,000 +/-</b>
FOR ORIGINAL BUILDING	25. YEAR OF CONSTRUCTION	26. HEATED AREA IN SQUARE FEET	27. COOLED AREA IN SQUARE FEET
FOR ADDITION #1	28. YEAR OF CONSTRUCTION	29. HEATED AREA IN SQUARE FEET	30. COOLED AREA IN SQUARE FEET
FOR ADDITION #2	31. YEAR OF CONSTRUCTION	32. HEATED AREA IN SQUARE FEET	33. COOLED AREA IN SQUARE FEET
FOR ADDITION #3	34. YEAR OF CONSTRUCTION	35. HEATED AREA IN SQUARE FEET	36. COOLED AREA IN SQUARE FEET
37. NAME, TITLE, COMPANY, AND PHONE NUMBER OF ENERGY ANALYST OR OTHERS WHO PREPARED ENERGY SAVINGS CALCULATIONS <b>Alan Olson, Interim Director of Facilities; Britney Domann, MCC Facility Services Financial Manager; Cree</b>			
38. BUSINESS TYPE NAMED IN 37 ABOVE <input checked="" type="checkbox"/> Applicant <input type="checkbox"/> Engineering <input type="checkbox"/> ESCO <input checked="" type="checkbox"/> Other, please specify: <b>Manufacturer's Rep</b>			
APPROPRIATE DISTRICT NUMBERS BASED ON THE APPLICANT'S LOCATION	39. U.S. CONGRESSIONAL DISTRICT <b>05</b>	40. MO SENATORIAL DISTRICT <b>007</b>	41. MO LEGISLATIVE DISTRICT <b>024</b>
The governing board or body has reviewed the ECM Summary and agrees that the building or system information is correct and the project and associated energy conservation measures have been correctly described. Any scanned or photocopied version of the signed original Application Authorization Form shall be considered original, and the governing board or body hereby waives any applicable objection on this basis. The governing board or body authorizes the contact person, named above, to provide any additional information relevant to the review and/or approval of this application.			
The building, facility or system is owned and operated by the applicant. <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Is the completion of this project contingent on DED/DE Energy Loan Program financing? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
By signing this form, you have agreed to and understand the "Requirements" specified on the instruction page.			
PRINT NAME AND TITLE OF AUTHORIZED OFFICIAL <b>Shelley Temple-Kneuvean, Vice Chancellor of Financial and Administrative Services</b>		SIGNATURE OF AUTHORIZED OFFICIAL 	DATE <b>6/28/16</b>



MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT  
 DIVISION OF ENERGY - ENERGY LOAN PROGRAM  
**ENERGY CONSERVATION MEASURE (ECM) SUMMARY**

Applicant Organization Name						
Metropolitan Community College						
#	ECM Description	Project Cost (a)	Annual Fuel Savings (b)	Fuel Type	Annual Cost Savings (c)	Simple Pay Back (a) ÷ (c)
1	Parking lot and pathways lighting upgrades	\$ 850,000	959,001	kWh	\$ 122,090	7.0
				MMBtu		
2		\$		kWh	\$	
				MMBtu		
3		\$		kWh	\$	
				MMBtu		
4		\$		kWh	\$	
				MMBtu		
5		\$		kWh	\$	
				MMBtu		
6		\$		kWh	\$	
				MMBtu		
7		\$		kWh	\$	
				MMBtu		
8		\$		kWh	\$	
				MMBtu		
9		\$		kWh	\$	
				MMBtu		
10		\$		kWh	\$	
				MMBtu		
<b>Summary</b>		\$ 850,000	959,001	kWh	\$ 122,090	7.0
				MMBtu		

**INSTRUCTIONS**

Enter a list of proposed energy conservation measures on this sheet. For further assistance, please contact Energy Loan Program at 1-855-522-2796.

Company-----METROPOLITAN COMMUNITY COLLEGES

12 Month Summary

06/24/2016--16:37

Account Number	Annual Bill	Account Description	Average \$/ Load	Factor	Usage Total
152965951	\$347.82	MW Ball Field	0.492	9	707.00
724425815	\$185,676.49	MW NHS	0.112	40	1,662,480.00
734172707	\$22,859.86	LV High Tech	0.106	38	214,960.00
815140975	\$51,833.79	MW LR	0.139	21	373,280.00
867587268	\$15,432.73	MW STC	0.115	36	133,840.00
1151822660	\$29,245.55	PV HSI	0.115	37	254,880.00
2892468586	\$487,505.98	PV	0.105	48	4,656,000.00
3711370328	\$36,660.63	MW HU	0.127	26	287,960.00
4917777181	\$8,056.55	LV Ed Center	0.082	10	98,680.00
5117799602	\$46,258.09	MW ADM	0.121	29	382,720.00
5449432803	\$5,884.44	LV Facilities	0.127	24	46,400.00
5745634457	\$18,232.00	LV CC Fema	0.093	16	195,680.00
5755179283	\$116,230.24	Lv Rec Center	0.092	39	1,257,240.00
5830239262	\$51,210.55	LV CC	0.081	53	634,920.00
6695165372	\$31,691.15	MW VT	0.14	20	227,120.00
6807778975	\$48,409.27	Facility Services 1601	0.103	58	472,080.00
6979656828	\$67,148.03	Broadway Plaza	0.119	31	563,040.00
6981518394	\$6,054.55	MW FS	0.175	17	34,560.00
7251221941	\$28,235.54	LV BU	0.081	23	348,640.00
7342821817	\$23,065.01	MW CC - FEMA	0.159	11	144,880.00
7821330488	\$84,622.86	MW SC - Formerly CC	0.133	23	637,440.00
7931939962	\$139,415.85	BTC 6915 Exec BTC	0.128	28	1,088,880.00
8145942345	\$145,629.96	PV HSI 3444 Broadway	0.111	37	1,310,100.00
8206561749	\$116,193.18	MW CB-MS	0.111	38	1,045,280.00
8466544487	\$116,274.81	LV ST	0.092	43	1,261,000.00
8886664445	\$39,988.13	BTC 6601 formerly Butler	0.126	23	316,480.00
9081150354	\$147,064.25	BTC 6899	0.118	35	1,250,240.00
9253849829	\$95,625.63	AC 3200 Broadway	0.111	41	860,720.00
9300599159	\$56,920.87	LV LR and LA	0.078	22	730,880.00
<b>AVERAGE</b>			<b>0.12731</b>		<b>706,589.21</b>

## MCC Asphalt & Curb Totals (as of December 2012)

Campus	Asphalt (SF)	Concrete (SF)	Curb (LF)
Blue River - Independence	364,588	2,000	22,210
Blue River - PDC	254,150	333,000	
BTC	529,900	2,000	10,915
Longview	795,100	7,400	27,455
Maple Woods	808,300	6,000	33,940
Penn Valley	189,200	1,400	10,800
Penn Valley HSI	21,700	1,200	500
Broadway Plaza	24,200	1,200	530
Pioneer	65,045	5,000	3,235
Facilities Services	64,025	7,500	2,650
<b>Totals</b>	<b>3,116,208</b>	<b>366,700</b>	<b>112,235</b>

Average life span	20-30 years	20-40 years	30-40 years
Annual replacement	100,000 SF mill & overlay	as needed	3,000 LF curb R/R
Annual budget	\$200,000.00		\$150,000.00

Campus	FY13 Crackfill Quantity (LF)	Percentage of Total Asphalt	3.50% Crackfill
Blue River - Independence	20,000	5.49%	13,000
Blue River - PDC	3,000	1.18%	9,000
BTC*	10,000	1.89%	10,000
Longview	20,000	2.52%	28,000
Maple Woods	20,000	2.47%	29,000
Penn Valley	7,500	3.96%	7,000
Penn Valley HSI	2,000	9.22%	1,000
Broadway Plaza	500	2.07%	1,000
Pioneer	5,000	7.69%	3,000
Facilities Services	3,000	4.69%	3,000
<b>Totals (LF)</b>	<b>91,000</b>	<b>2.92%</b>	<b>104,000</b>

\*BTC amount adjusted down to reflect parking currently used

Updated 12/13/2012 by Ben Meiers



MISSOURI DEPARTMENT OF ECONOMIC DEVELOPMENT  
 DIVISION OF ENERGY - ENERGY LOAN PROGRAM  
 ENERGY CONSERVATION MEASURE  
**LIGHTING/MOTION SENSOR WORKSHEET**

Building	Location	Date
	MCC - District wide parking lots and pathways	

**INSTRUCTIONS**

To estimate the savings when more efficient lighting is installed, the following information must be known:

The number of existing fixtures being changed.	The number of new fixtures.
The wattage of each existing fixture.	The wattage of each new fixture.
The number of hours of use per year in the past.	The number of hours of use per year in the future.
The cost per kilowatt hour of electricity.	

**Please Note:**  
 If the projects involve several buildings or meters, please submit one worksheet per building or per meter.  
 If the project involves several types of fixtures, please submit one worksheet per type.  
 Please find example of hours of use under the Additional Instruction section (Page 2).

**ATTENTION**

**\*\*The Division of Energy reserves the right to determine if the worksheet is appropriate for the project and may request additional information. An Energy Conservation Measure (ECM) has the potential of affecting other areas within your facility or system.\*\***

**SAVINGS CALCULATIONS**

- Enter the number of existing fixtures being changed 901 Fixtures
- Enter the wattage of each existing fixture (Input wattages) 250 Watts
- Enter the hours of use below:

*Est Avg*

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	# Weeks	Total
Normal Schedule	9	9	9	9	9	9	9	52	3,276
Alternate Schedule 1	12	12	12	12	12	12	12	52	4,368
Alternate Schedule 2									
<b>Total</b>									<b>7,644</b> Hours

- Multiply (line 1 x line 2) by the total of line 3 1,721,811.00 kWh/year

- Enter the number of new fixtures 891 Fixtures
- Enter the wattage of each new fixture (Input wattages) 112 Watts
- Enter the new hours of use (reduced hours based on lighting controls if applicable)

*Avg*

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	# Weeks	Total
Normal Schedule	9	9	9	9	9	9	9	52	3,276
Alternate Schedule 1	12	12	12	12	12	12	12	52	4,368
Alternate Schedule 2									
<b>Total</b>									<b>7,644</b> Hours

- Multiply (line 5 x line 6) by the total of line 7 762,810.05 kWh/year

- Savings: Subtract line 8 from line 4 959,000.95 kWh/year

- Enter the energy cost (Based on the Fuel Use Summary) 0.12731 \$/kWh

*Avg*

**ANNUAL SAVINGS**

- Multiply line 9 by line 10 122,090.41 \$/Year

**PROJECT COST**

- Enter the total cost of the project including material, labor and design \$850,000.00

**SIMPLE PAYBACK**

- Divide line 12 by line 11 6.96 Years

**DESCRIPTION PAGE**

**Lighting/Motion Sensor Energy Conservation Measure**

Describe the existing system and the proposed energy conservation measure (use additional sheets if necessary):

Current lights are a combination of metal halides and high pressure sodium. All fixtures will be updated to LED and tied into our Automated Logic system controls. Light times will be adjusted based on the sunrise/sunset times.

**ADDITIONAL INSTRUCTION**

This additional instruction provides an example to fill out the hours of use schedule.

**Example:** The school has a regular schedule to have the lights on from 7:30 AM - 4:30 PM (9 hours) the entire week for 36 weeks a year while in session. The school has an alternate schedule to have the lights on from 7:30 AM - 4:30 PM (9 hours) on Monday, Wednesday and Friday for 8 weeks a year in summer session. The school has another alternate schedule to have the lights on from 7:30 AM - 12:30 PM (5 hours) from Monday to Friday for 4 weeks a year during breaks. The hours of use can be entered below:

3. Enter the hours of use below:

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	# Weeks	Total	
Normal Schedule	9	9	9	9	9	9	9	36	2268	
Alternate Schedule 1	9	0	9	0	9	0	0	8	216	
Alternate Schedule 2	5	5	5	5	5	0	0	4	100	
	<b>Total</b>								<b>2584</b>	Hours

The total calculation is a sum of each schedule multiplied by the number of weeks. Total number of weeks should be totaled for 52 weeks. All schedules are sub-totaled adding hours of use Monday - Sunday. For this example, the "Normal Schedule" total is calculated by  $(9 + 9 + 9 + 9 + 9) \times 36 = 2,268$  hours. The "Alternate Schedule 1" is calculated by  $(9 + 0 + 9 + 0 + 9 + 0 + 0) \times 8 = 216$  hours. The "Alternate Schedule 2" is calculated by  $(5 + 5 + 5 + 5 + 5 + 0 + 0) \times 4 = 100$  hours. The total for all schedules is  $2,268 + 216 + 100 = 2,584$  hours.

The school plans to install motion sensors. The motion sensors help reduce the hours of use during the weekend while in session. The lights will only be on for cleaning and maintenance for a total of 1 hour each day during the weekend. To enter item 6 on the worksheet, the "Normal Schedule" is changed from 9 hours to 1 hour on Saturday and Sunday.

6. Enter the new hours of use (reduced hours based on lighting controls)

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	# Weeks	Total	
Normal Schedule	9	9	9	9	9	1	1	36	1692	
Alternate Schedule 1	9	0	9	0	9	0	0	8	216	
Alternate Schedule 2	5	5	5	5	5	0	0	4	100	
	<b>Total</b>								<b>2008</b>	Hours

# OSQ Series

OSQ™ LED Area/Flood Luminaire – Large

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. 'S' and 'T' Input power designators are a suitable upgrade for HID applications up to 750 Watts. 'U' Input power designator is a suitable upgrade for HID applications up to 1000 Watts.

**Applications:** Parking lots, walkways, campuses, auto dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 28,285

**Efficacy:** Up to 135 LPW

**CRI:** Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)

**CCT:** 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

\* See <http://lighting.cree.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSLF – Front facing optics OSQ-BLSLR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

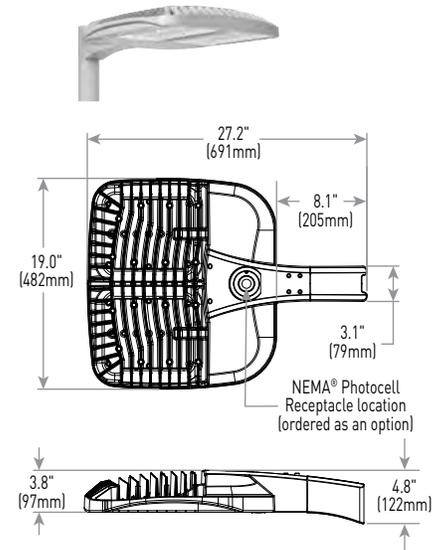
Example: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-S-40K-UL-SV

Mount (Luminaire must be ordered separately)		
OSQ-		
OSQ-AA Adjustable Arm OSQ-DA Direct Arm	Color Options: SV Silver BK Black	BZ Bronze WH White

Luminaire (Mount must be ordered separately)								
OSQ	A	NM						
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options
OSQ	A	NM No Mount	<b>Asymmetric</b> 2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium  <b>Symmetric</b> SME Type V Short Sign 25D Type V Medium 40D Type V Short Sign 60D Wide Sign 15D 15° Flood	S 223W U 215W  T 171W U 215W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	<b>DIM 0-10V Dimming</b> - Control by others - Refer to <a href="#">Dimming spec sheet</a> for details - Can't exceed wattage of specified input power designator  <b>F Fuse</b> - When code dictates fusing, use time delay fuse  <b>ML Multi-Level</b> - Refer to <a href="#">ML spec sheet</a> for details - High: 100%, Low: 30% - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>PML Programmable Multi-Level, 20-40' Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>PML2 Programmable Multi-Level, 10-30' Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>Q9 Field Adjustable Output</b> - Refer to <a href="#">Field Adjustable Output spec sheet</a> for details  <b>R NEMA® Photocell Receptacle</b> - Intended for downlight applications with maximum 45° tilt - 3-pin receptacle per ANSI C136.10 - Photocell and shorting cap by others  <b>RL Rotate Left</b> - LED and optic are rotated to the left  <b>RR Rotate Right</b> - LED and optic are rotated to the right

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

## DA Mount



## Weight

28.5 lbs. (13kg)



Rev. Date: V9 05/25/2016



US: [lighting.cree.com/lighting](http://lighting.cree.com/lighting)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** 28.5 lbs. (13kg)

**ELECTRICAL SYSTEM**

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15, Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC qualified when ordered with asymmetric optics, S input power designator and 40K or 57K. Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- RoHS compliant. Consult factory for additional details

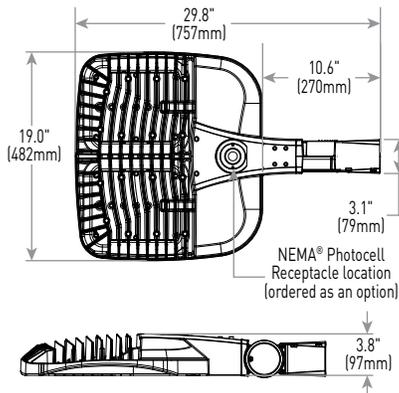
Electrical Data*								
Input Power Designator	Optic	System Watts 120-480V	Total Current					
			120V	208V	240V	277V	347V	480V
S	Asymmetric	223	1.94	1.13	0.99	0.85	0.65	0.47
T	Symmetric	171	1.45	0.85	0.74	0.64	0.50	0.36
U	All	215	1.83	1.08	0.93	0.81	0.62	0.45

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

Recommended OSQ Series Lumen Maintenance Factors (LMF) <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	0.99	0.93	0.89	0.84
	Symmetric	1.05	1.00	0.96 <sup>3</sup>	0.92 <sup>3</sup>	0.88 <sup>3</sup>
10°C (50°F)	Asymmetric	1.03	0.98	0.93	0.88	0.83
	Symmetric	1.04	0.99	0.95 <sup>3</sup>	0.91 <sup>3</sup>	0.87 <sup>3</sup>
15°C (59°F)	Asymmetric	1.02	0.97	0.92	0.87	0.82
	Symmetric	1.02	0.98	0.94 <sup>3</sup>	0.90 <sup>3</sup>	0.87 <sup>3</sup>
20°C (68°F)	Asymmetric	1.01	0.96	0.91	0.86	0.82
	Symmetric	1.01	0.96	0.92 <sup>3</sup>	0.88 <sup>3</sup>	0.85 <sup>3</sup>
25°C (77°F)	Asymmetric	1.00	0.95	0.90	0.85	0.81
	Symmetric	1.00	0.95	0.91 <sup>3</sup>	0.88 <sup>3</sup>	0.84 <sup>3</sup>

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing  
<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (IDUT) i.e. the packaged LED chip  
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration (in hours) for the device under testing (IDUT) i.e. the packaged LED chip

**AA Mount**

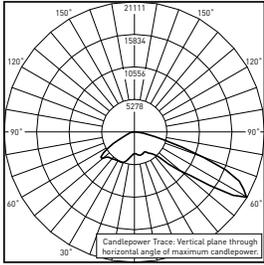


Weight
28.5 lbs. (13kg)

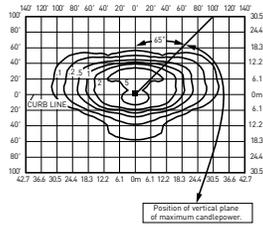
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**2ME**



**CESTL Test Report #:** PL07701-001A  
**OSQ-A\*\*-2ME-U-40K-UL**  
**Initial Delivered Lumens:** 26,946

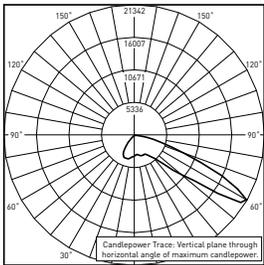


**OSQ-A\*\*-2ME-U-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 27,706  
**Initial FC at grade**

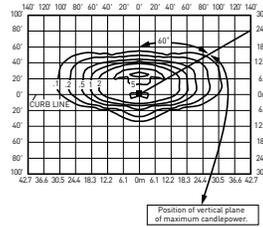
**Type II Medium Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	18,182	B3 U0 G2	21,696	B3 U0 G3	23,179	B3 U0 G3
U	26,258	B3 U0 G3	27,706	B3 U0 G3	28,285	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



**CESTL Test Report #:** PL07700-001A  
**OSQ-A\*\*-2ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 22,822



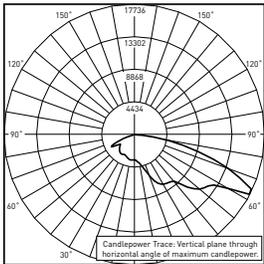
**OSQ-A\*\*-2ME-U-40K-UL w/OSQ-BLSLF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 21,984  
**Initial FC at grade**

**Type II Medium w/BLS Distribution**

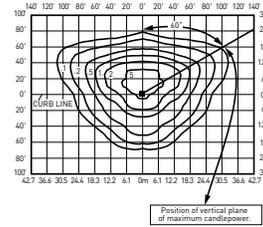
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	15,584	B2 U0 G2	18,597	B3 U0 G2	19,867	B3 U0 G2
U	20,835	B3 U0 G3	21,984	B3 U0 G3	22,444	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**3ME**



**CESTL Test Report #:** PL07698-001A  
**OSQ-A\*\*-3ME-U-40K-UL**  
**Initial Delivered Lumens:** 27,305

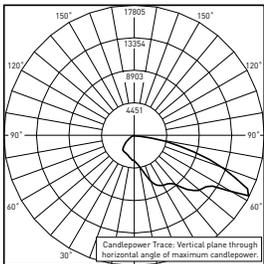


**OSQ-A\*\*-3ME-U-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 27,706  
**Initial FC at grade**

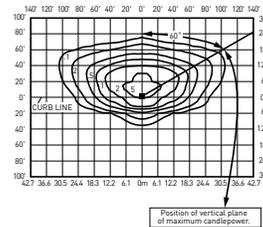
**Type III Medium Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	17,996	B3 U0 G3	21,475	B3 U0 G3	22,942	B3 U0 G3
U	26,258	B3 U0 G3	27,706	B3 U0 G3	28,285	B3 U0 G4

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



**CESTL Test Report #:** PL07699-001A  
**OSQ-A\*\*-3ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 23,601



**OSQ-A\*\*-3ME-U-40K-UL w/OSQ-BLSLF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 22,587  
**Initial FC at grade**

**Type III Medium w/BLS Distribution**

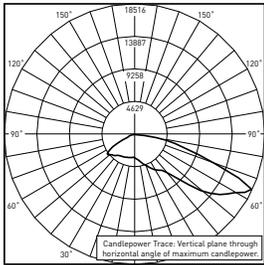
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	15,399	B2 U0 G3	18,375	B2 U0 G3	19,631	B2 U0 G3
U	21,406	B2 U0 G3	22,587	B3 U0 G3	23,059	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

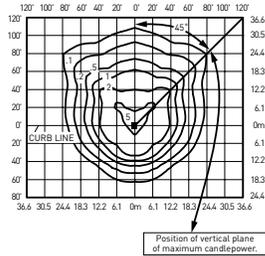
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**4ME**



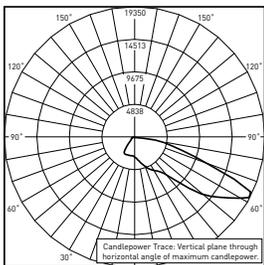
**CESTL Test Report #:** PL07690-001A  
**OSQ-A-\*\*-4ME-U-40K-UL**  
**Initial Delivered Lumens:** 27,527



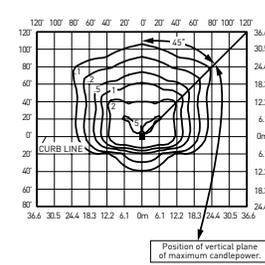
**OSQ-A-\*\*-4ME-U-57K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 28,285  
**Initial FC at grade**

Type IV Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	17,811	B3 U0 G3	21,253	B3 U0 G3	22,705	B3 U0 G3
U	26,258	B4 U0 G3	27,706	B4 U0 G3	28,285	B4 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



**CESTL Test Report #:** PL07692-001A  
**OSQ-A-\*\*-4ME-U-57K-UL w/OSQ-BLSLF**  
**Initial Delivered Lumens:** 22,793

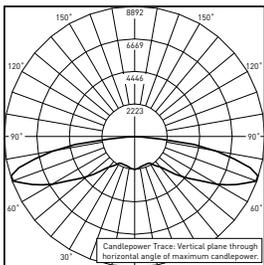


**OSQ-A-\*\*-4ME-U-40K-UL w/OSQ-BLSLF**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 21,984  
**Initial FC at grade**

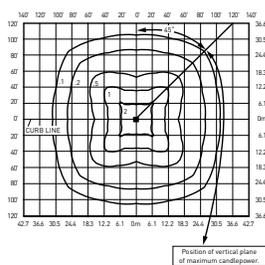
Type IV Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
S	15,213	B2 U0 G3	18,154	B2 U0 G3	19,394	B2 U0 G3
U	20,835	B3 U0 G3	21,984	B3 U0 G3	22,444	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5ME**



**CESTL Test Report #:** PL07882-001A  
**OSQ-A-\*\*-5ME-U-30K-UL**  
**Initial Delivered Lumens:** 21,410

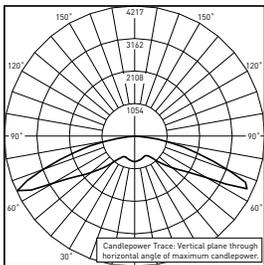


**OSQ-A-\*\*-5ME-U-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 24,666  
**Initial FC at grade**

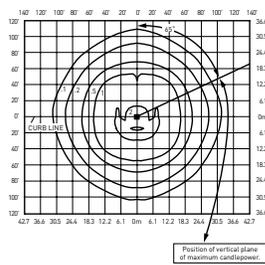
Type V Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	18,544	B4 U0 G5	21,469	B5 U0 G5	21,842	B5 U0 G5
U	21,305	B5 U0 G5	24,666	B5 U0 G5	25,095	B5 U0 G5

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5SH**



**CESTL Test Report #:** PL08102-001B  
**OSQ-A-\*\*-5SH-B-30K-UL**  
**Initial Delivered Lumens:** 9,935



**OSQ-A-\*\*-5SH-U-40K-UL**  
**Mounting Height:** 25' (7.6m) A.F.G.  
**Initial Delivered Lumens:** 26,051  
**Initial FC at grade**

Type V Short Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
T	19,586	B5 U0 G3	22,675	B5 U0 G4	23,069	B5 U0 G4
U	22,502	B5 U0 G4	26,051	B5 U0 G4	26,504	B5 U0 G4

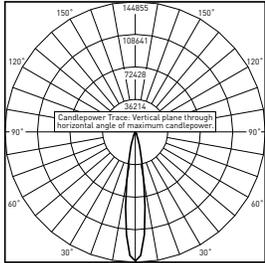
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens  
 \*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



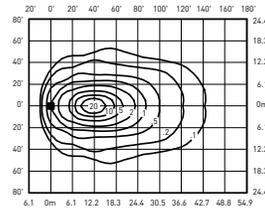
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A-\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254



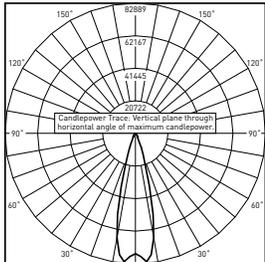
OSQ-A-\*\*-15D-U-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 26,051  
Initial FC at grade

**15° Flood Distribution**

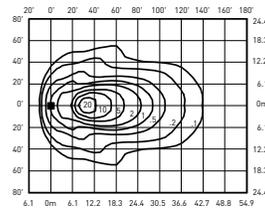
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
T	19,586	22,675	23,069
U	22,502	26,051	26,504

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

**25D**



CESTL Test Report #: PL07687-001A  
OSQ-A-\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265



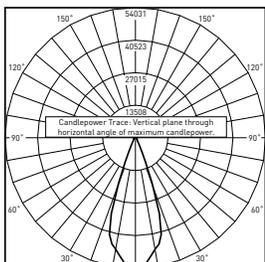
OSQ-A-\*\*-25D-U-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 26,051  
Initial FC at grade

**25° Flood Distribution**

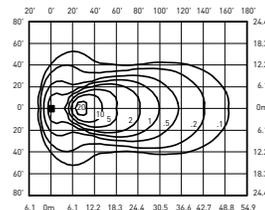
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
T	19,586	22,675	23,069
U	22,502	26,051	26,504

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A-\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A-\*\*-40D-U-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 26,051  
Initial FC at grade

**40° Flood Distribution**

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
T	19,586	22,675	23,069
U	22,502	26,051	26,504

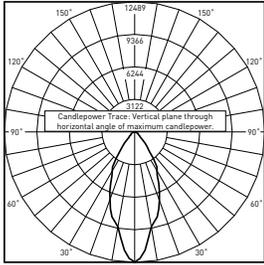
\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

# OSQ™ LED Area/Flood Luminaire – Large

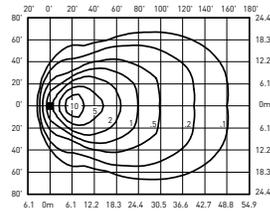
## Photometry

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

### 60D



CESTL Test Report #: PL08100-001B  
OSQ-A-\*\*-60D-B-30K-UL  
Initial Delivered Lumens: 10,079



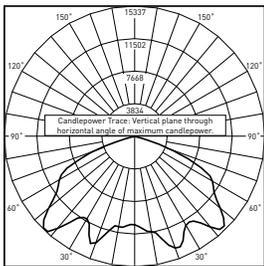
OSQ-A-\*\*-60D-U-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 26,051  
Initial FC at grade

### 60° Flood Distribution

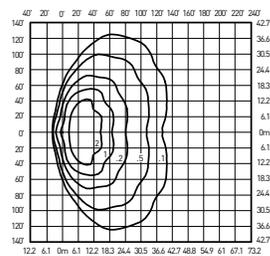
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	19,586	22,675
T	19,586	22,675	23,069
U	22,502	26,051	26,504

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

### WSN



CESTL Test Report #: PL07695-001A  
OSQ-A-\*\*-WSN-U-30K-UL  
Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-U-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° tilt  
Initial Delivered Lumens: 26,051  
Initial FC at grade

### Wide Sign Distribution

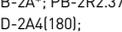
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*	19,586	22,675
T	19,586	22,675	23,069
U	22,502	26,051	26,504

\* Initial delivered lumens at 25°C (77°F). Actual production yield may vary between -10 and +10% of initial delivered lumens

OSQ™ LED Area/Flood Luminaire – Large

Luminaire EPA

Fixed Arm Mount – OSQ-DA Weight: 28.5 lbs. (13kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.80	1.61	1.26	2.06	1.68	2.52

Adjustable Arm Mount – OSQ-AA Weight: 28.5 lbs. (13kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration</b> (0° -80° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.80	1.61	1.26	2.06	1.68	3.33	4.66	2.52
<b>10° Tilt</b>							
0.81	1.61	1.62	2.42	2.32	4.40	6.08	3.24
<b>20° Tilt</b>							
1.24	1.61	2.04	2.84	3.13	5.68	7.80	4.08
<b>30° Tilt</b>							
1.64	1.64	2.44	3.24	3.97	6.88	9.40	4.88
<b>45° Tilt</b>							
2.20	2.20	3.00	3.80	5.07	8.55	11.64	6.00
<b>60° Tilt</b>							
2.63	2.63	3.43	4.23	5.73	9.84	13.36	6.86
<b>70° Tilt</b>							
2.82	2.82	3.62	4.42	5.73	10.41	14.12	7.24
<b>80° Tilt</b>							
2.93	2.93	3.73	4.53	5.73	10.74	14.56	7.46
<b>Tenon Configuration</b> (90° Tilt); If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.95	2.95	4.84	6.52	5.73	10.81	14.64	11.19

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")



Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6") for single, double or triple luminaire orientation or 4 (4"), 5 (5"), or 6 (6") for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 (3"), 4 (4"), 5 (5"), or 6 (6")

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" (76-152mm) square aluminum or steel poles PB-1A* – Single                      PB-4A*(90) – 90° Quad PB-2A* – 180° Twin                PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	<b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin                      PB-4R2.375 – Quad PB-3R2.375 – Triple
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" (102mm) square aluminum or steel poles PD-2A4(90) – 90° Twin                PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin            PD-4A4(90) – 90° Quad	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" (60mm) O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical)                PT-3(90) – 90° Triple PT-2(90) – 90° Twin                    PT-4(90) – 90° Quad PT-2(180) – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2 – Horizontal for OSQ-AA mount WM-4 – L-Shape for OSQ-AA mount WM-DM – Plate for OSQ-DA mount	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single                      PW-2A3** – Double
	<b>Ground Mount Post</b> - For ground mounted flood luminaires PGM-1 - for OSQ-AA mount

\* Refer to the [Bracket and Tenons spec sheet](#) for more details

Direct Mount Configurations

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
S, T, & U	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
S, T, & U	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
S, T, & U	✓	✓	✓	N/A	✓
<b>4" Round</b>					
S, T, & U	✓	✓	✓	✓	✓
<b>5" Square</b>					
S, T, & U	✓	✓	✓	N/A	✓
<b>5" Round</b>					
S, T, & U	✓	✓	✓	✓	✓
<b>6" Square</b>					
S, T, & U	✓	✓	✓	N/A	✓
<b>6" Round</b>					
S, T, & U	✓	✓	✓	✓	✓



# OSQ Series

OSQ™ LED Area/Flood Luminaire – Medium

## Product Description

The OSQ™ Area/Flood luminaire blends extreme optical control, advanced thermal management and modern, clean aesthetics. Built to last, the housing is rugged cast aluminum with an integral, weathertight LED driver compartment. Versatile mounting configurations offer simple installation. Its slim, low-profile design minimizes wind load requirements and blends seamlessly into the site providing even, quality illumination. 'A' and 'B' Input power designators are a suitable upgrade for HID applications up to 250 Watt. 'J' and 'K' Input power designators are a suitable upgrade for HID applications up to 400 Watt.

**Applications:** Parking lots, walkways, campuses, car dealerships, office complexes, and internal roadways

## Performance Summary

NanoOptic® Precision Delivery Grid™ optic

Made in the U.S.A. of U.S. and imported parts

**Initial Delivered Lumens:** Up to 17,191

**Efficacy:** Up to 136 LPW

**CRI:** Minimum 70 CRI (4000K & 5700K; 3000K asymmetric optics); 80 CRI (3000K symmetric optics)

**CCT:** 3000K (+/- 300K), 4000K (+/- 300K), 5700K (+/- 500K)

**Limited Warranty\*:** 10 years on luminaire/10 years on Colorfast DeltaGuard® finish

\*See <http://lighting.cree.com/warranty> for warranty terms

## Accessories

Field-Installed	
<b>Backlight Shield</b> OSQ-BLSMF – Front facing optics OSQ-BLSMR – Rotated optics	<b>Hand-Held Remote</b> XA-SENSREM - For successful implementation of the programmable multi-level option, a minimum of one hand-held remote is required

## Ordering Information

Fully assembled luminaire is composed of two components that must be ordered separately:

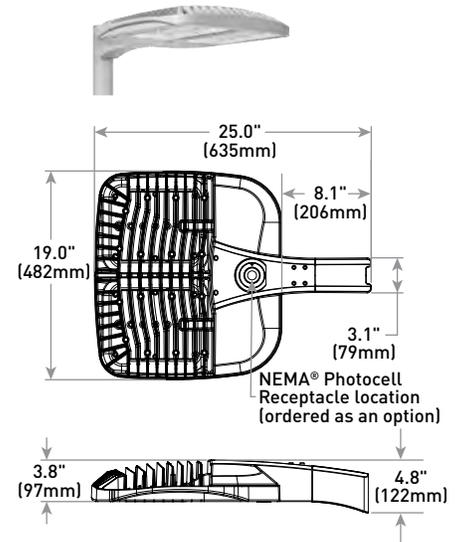
Example: **Mount:** OSQ-AASV + **Luminaire:** OSQ-A-NM-2ME-A-40K-UL-SV

Mount (Luminaire must be ordered separately)	
OSQ-	
OSQ-AA Adjustable Arm OSQ-DA Direct Arm	<b>Color Options:</b> <b>SV</b> Silver <b>BK</b> Black <b>BZ</b> Bronze <b>WH</b> White

Luminaire (Mount must be ordered separately)									
OSQ	A	NM							
Product	Version	Mounting	Optic	Input Power Designator	CCT	Voltage	Color Options	Options	
OSQ	A	NM No Mount	<b>Asymmetric</b> 2ME* Type II Medium 4ME* Type IV Medium 3ME* Type III Medium  <b>Symmetric</b> 5ME Type V Medium 5SH Type V Short WSN Wide Sign 15D 15° Flood	A 112W J 168W  B 86W K 130W	30K 3000K 40K 4000K 57K 5700K	UL Universal 120-277V UH Universal 347-480V	BK Black BZ Bronze SV Silver WH White	<b>DIM 0-10V Dimming</b> - Control by others - Refer to <a href="#">Dimming spec sheet</a> for details - Can't exceed wattage of specified input power designator  <b>F Fuse</b> - When code dictates fusing, use time delay fuse  <b>ML Multi-Level</b> - Refer to <a href="#">ML spec sheet</a> for details - High: 100%, Low: 30% - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>PML Programmable Multi-Level, 20-40' Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt	<b>PML2 Programmable Multi-Level, 10-30' Mounting Height</b> - Refer to <a href="#">PML spec sheet</a> for details - Available with UL voltage only - Intended for downlight applications at 0° tilt  <b>Q9 Field Adjustable Output</b> - Refer to <a href="#">Field Adjustable Output spec sheet</a> for details  <b>R NEMA® Photocell Receptacle</b> - Intended for downlight applications with maximum 45° tilt - 3-pin receptacle per ANSI C136.10 - Photocell and shorting cap by others  <b>RL Rotate Left</b> - LED and optic are rotated to the left  <b>RR Rotate Right</b> - LED and optic are rotated to the right

\* Available with Backlight Shield when ordered with field-installed accessory (see table above)

## DA Mount



## Weight

26.5 lbs. (12kg)



Rev. Date: V9 05/25/2016



US: [lighting.cree.com/lighting](http://lighting.cree.com/lighting)

T (800) 236-6800 F (262) 504-5415

Canada: [www.cree.com/canada](http://www.cree.com/canada)

T (800) 473-1234 F (800) 890-7507

**Product Specifications**

**CONSTRUCTION & MATERIALS**

- Slim, low profile design minimizes wind load requirements
- Luminaire housing is rugged die cast aluminum with an integral, weathertight LED driver compartment and high performance heat sink
- Convenient interlocking mounting method on direct arm mount. Mounting adaptor is rugged die cast aluminum and mounts to 3-6" (76-152mm) square or round pole, secured by two 5/16-18 UNC bolts spaced on 2" (51mm) centers
- Mounting for the adjustable arm mount adaptor is rugged die cast aluminum and mounts to 2" (51mm) IP, 2.375" (60mm) O.D. tenon
- Adjustable arm mount can be adjusted 180° in 2.5° increments
- Designed for uplight and downlight applications
- Exclusive Colorfast DeltaGuard® finish features an E-Coat epoxy primer with an ultra-durable powder topcoat, providing excellent resistance to corrosion, ultraviolet degradation and abrasion. Silver, bronze, black, and white are available
- **Weight:** 26.5 lbs. (12kg)

**ELECTRICAL SYSTEM**

- **Input Voltage:** 120-277V or 347-480V, 50/60Hz, Class 1 drivers
- **Power Factor:** > 0.9 at full load
- **Total Harmonic Distortion:** < 20% at full load
- Integral 10kV surge suppression protection standard
- To address inrush current, slow blow fuse or type C/D breaker should be used
- **10V Source Current:** 0.15mA

**REGULATORY & VOLUNTARY QUALIFICATIONS**

- cULus Listed
- Suitable for wet locations
- Enclosure rated IP66 per IEC 60529 when ordered without R option
- Consult factory for CE Certified products
- Certified to ANSI C136.31-2001, 3G bridge and overpass vibration standards
- 10kV surge suppression protection tested in accordance with IEEE/ANSI C62.41.2
- Meets FCC Part 15 , Subpart B, Class A standards for conducted and radiated emissions
- Luminaire and finish endurance tested to withstand 5,000 hours of elevated ambient salt fog conditions as defined in ASTM Standard B 117
- Meets Buy American requirements within ARRA
- DLC qualified when ordered with asymmetric optics with 40K or 57K. Please refer to [www.designlights.org/QPL](http://www.designlights.org/QPL) for most current information
- RoHS compliant. Consult factory for additional details

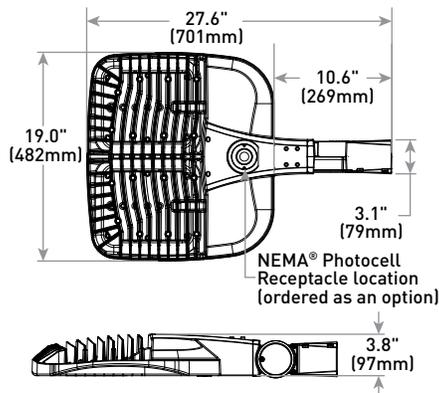
Electrical Data*								
Input Power Designator	Optic	System Watts 120-480V	Total Current					
			120V	208V	240V	277V	347V	480V
A	Asymmetric	112	0.97	0.56	0.49	0.43	0.34	0.25
		168	1.47	0.85	0.74	0.64	0.50	0.36
B	Symmetric	86	0.73	0.43	0.37	0.32	0.25	0.19
K		130	1.09	0.65	0.56	0.49	0.38	0.28

\* Electrical data at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

Recommended OSQ Series Lumen Maintenance Factors (LMF) <sup>1</sup>						
Ambient	Optic	Initial LMF	25K hr Projected <sup>2</sup> LMF	50K hr Projected <sup>2</sup> LMF	75K hr Projected <sup>2</sup> LMF	100K hr Calculated <sup>3</sup> LMF
5°C (41°F)	Asymmetric	1.04	0.99	0.93	0.89	0.84
	Symmetric	1.05	1.00	0.96 <sup>3</sup>	0.92 <sup>3</sup>	0.88 <sup>3</sup>
10°C (50°F)	Asymmetric	1.03	0.98	0.93	0.88	0.83
	Symmetric	1.04	0.99	0.95 <sup>3</sup>	0.91 <sup>3</sup>	0.87 <sup>3</sup>
15°C (59°F)	Asymmetric	1.02	0.97	0.92	0.87	0.82
	Symmetric	1.02	0.98	0.94 <sup>3</sup>	0.90 <sup>3</sup>	0.87 <sup>3</sup>
20°C (68°F)	Asymmetric	1.01	0.96	0.91	0.86	0.82
	Symmetric	1.01	0.96	0.92 <sup>3</sup>	0.88 <sup>3</sup>	0.85 <sup>3</sup>
25°C (77°F)	Asymmetric	1.00	0.95	0.90	0.85	0.81
	Symmetric	1.00	0.95	0.91 <sup>3</sup>	0.88 <sup>3</sup>	0.84 <sup>3</sup>

<sup>1</sup> Lumen maintenance values at 25°C (77°F) are calculated per TM-21 based on LM-80 data and in-situ luminaire testing  
<sup>2</sup> In accordance with IESNA TM-21-11, Projected Values represent interpolated value based on time durations that are within six times (6X) the IESNA LM-80-08 total test duration [in hours] for the device under testing ([DUT] i.e. the packaged LED chip)  
<sup>3</sup> In accordance with IESNA TM-21-11, Calculated Values represent time durations that exceed six times (6X) the IESNA LM-80-08 total test duration [in hours] for the device under testing ([DUT] i.e. the packaged LED chip)

**AA Mount**



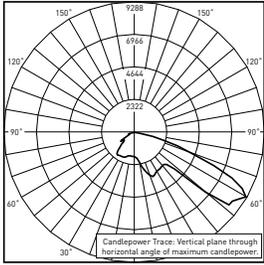
Weight
26.5 lbs. (12kg)



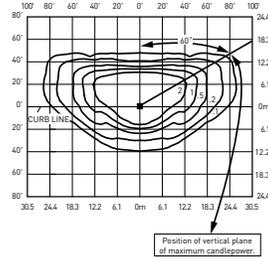
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

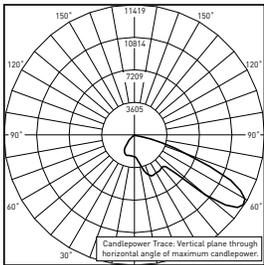
**2ME**



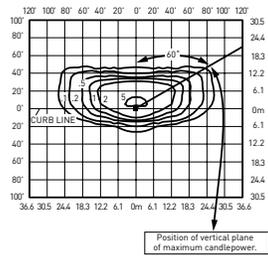
RESTL Test Report #: PL03347-001  
OSQ-A\*\*-2ME-A-40K-UL  
Initial Delivered Lumens: 10,988



OSQ-A\*\*-2ME-J-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,356  
Initial FC at grade



RESTL Test Report #: PL03642-003  
OSQ-A\*\*-2ME-J-40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 14,643



OSQ-A\*\*-2ME-J-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 14,020  
Initial FC at grade

**Type II Medium Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	9,136	B2 U0 G1	10,904	B2 U0 G2	11,649	B2 U0 G2
J	13,703	B2 U0 G2	16,356	B3 U0 G2	17,474	B3 U0 G2

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

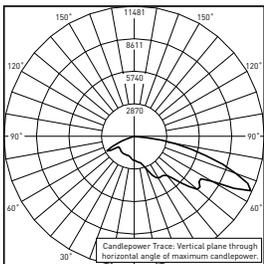
**Type II Medium w/BLS Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
A	7,831	B1 U0 G1	9,346	B2 U0 G2	9,985	B2 U0 G2
J	11,746	B2 U0 G2	14,020	B2 U0 G2	14,978	B2 U0 G2

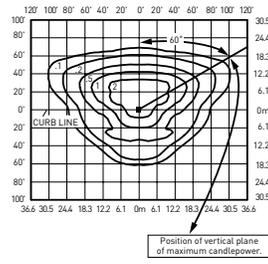
\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

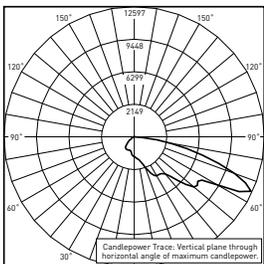
**3ME**



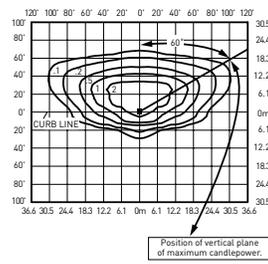
RESTL Test Report #: PL03478-001  
OSQ-A\*\*-3ME-J-40K-UL  
Initial Delivered Lumens: 16,257



OSQ-A\*\*-3ME-J-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,189  
Initial FC at grade



RESTL Test Report #: PL03642-001  
OSQ-A\*\*-3ME-J-40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 14,229



OSQ-A\*\*-3ME-J-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 13,853  
Initial FC at grade

**Type III Medium Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
A	9,042	B2 U0 G2	10,793	B2 U0 G2	11,530	B2 U0 G2
J	13,564	B3 U0 G3	16,189	B3 U0 G3	17,296	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**Type III Medium w/BLS Distribution**

Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	7,737	B1 U0 G2	9,235	B1 U0 G2	9,866	B1 U0 G2
J	11,606	B1 U0 G2	13,853	B2 U0 G3	14,799	B2 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

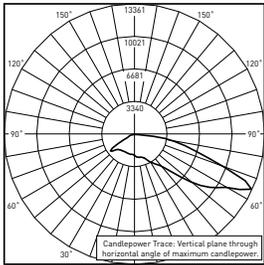
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



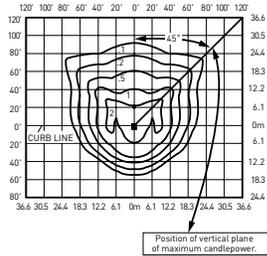
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**4ME**



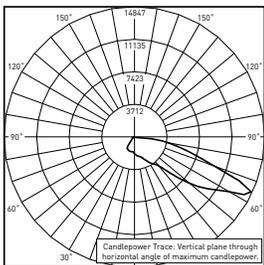
RESTL Test Report #: PL03496-001  
OSQ-A-4ME-J-40K-UL  
Initial Delivered Lumens: 16,293



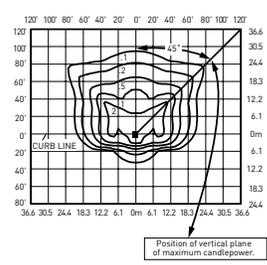
OSQ-A-4ME-J-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 16,022  
Initial FC at grade

Type IV Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
A	8,949	B2 U0 G2	10,682	B2 U0 G2	11,412	B2 U0 G3
J	13,424	B3 U0 G3	16,022	B3 U0 G3	17,117	B3 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



RESTL Test Report #: PL03642-002  
OSQ-A-4ME-J-40K-UL w/OSQ-BLSMF  
Initial Delivered Lumens: 13,647

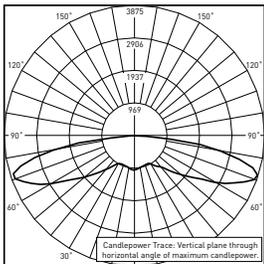


OSQ-A-4ME-J-40K-UL w/OSQ-BLSMF  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 13,686  
Initial FC at grade

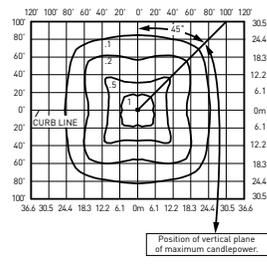
Type IV Medium w/BLS Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
A	7,644	B1 U0 G2	9,124	B1 U0 G2	9,747	B1 U0 G2
J	11,466	B2 U0 G3	13,686	B2 U0 G3	14,621	B2 U0 G3

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5ME**



CESTL Test Report #: PL08101-001C  
OSQ-A-5ME-B-40K-UL  
Initial Delivered Lumens: 9,304

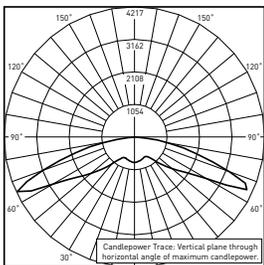


OSQ-A-5ME-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 10,867  
Initial FC at grade

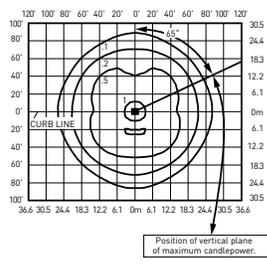
Type V Medium Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11	Initial Delivered Lumens*	BUG Ratings** Per TM-15-11
B	9,387	B3 U0 G3	10,867	B4 U0 G4	11,056	B4 U0 G4
K	13,819	B4 U0 G4	15,999	B4 U0 G5	16,277	B4 U0 G5

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt

**5SH**



CESTL Test Report #: PL08102-001B  
OSQ-A-5SH-B-40K-UL  
Initial Delivered Lumens: 9,935



OSQ-A-5SH-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G.  
Initial Delivered Lumens: 11,478  
Initial FC at grade

Type V Short Distribution						
Input Power Designator	3000K		4000K		5700K	
	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11	Initial Delivered Lumens*	BUG Ratings** Per TM 15 11
B	9,914	B4 U0 G3	11,478	B4 U0 G3	11,678	B4 U0 G3
K	14,595	B4 U0 G3	16,897	B4 U0 G3	17,191	B4 U0 G3

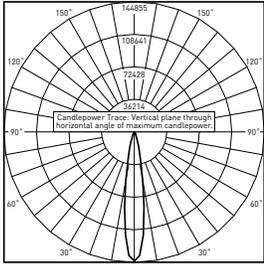
\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%  
\*\* For more information on the IES BUG (Backlight-Uplight-Glare) Rating visit: [www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf](http://www.ies.org/PDF/Erratas/TM-15-11BugRatingsAddendum.pdf). Valid with no tilt



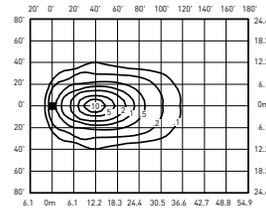
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**15D**



CESTL Test Report #: PL07689-001A  
OSQ-A\*\*-15D-U-30K-UL  
Initial Delivered Lumens: 23,254



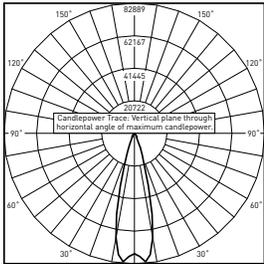
OSQ-A\*\*-15D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**15° Flood Distribution**

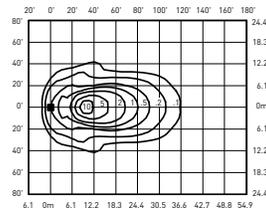
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

**25D**



CESTL Test Report #: PL07687-001A  
OSQ-A\*\*-25D-U-30K-UL  
Initial Delivered Lumens: 23,265



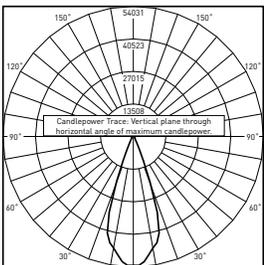
OSQ-A\*\*-25D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**25° Flood Distribution**

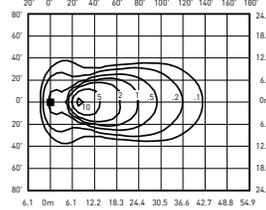
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

**40D**



CESTL Test Report #: PL07697-001A  
OSQ-A\*\*-40D-U-30K-UL  
Initial Delivered Lumens: 22,943



OSQ-A\*\*-40D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**40° Flood Distribution**

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

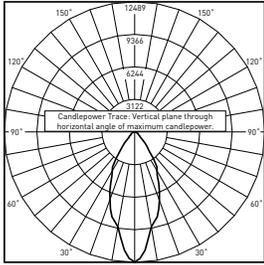
\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/- 10%

OSQ™ LED Area/Flood Luminaire – Medium

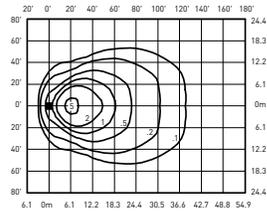
**Photometry**

All published luminaire photometric testing performed to IESNA LM-79-08 standards by a NVLAP accredited laboratory. To obtain an IES file specific to your project consult: <http://lighting.cree.com/products/outdoor/area/osq-series>

**60D**



CESTL Test Report #: PL08100-001B  
OSQ-A-\*\*-60D-B-30K-UL  
Initial Delivered Lumens: 10,079



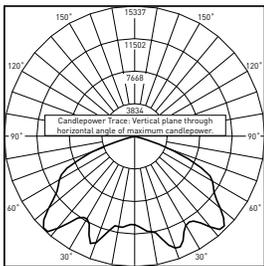
OSQ-A-\*\*-60D-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

**60° Flood Distribution**

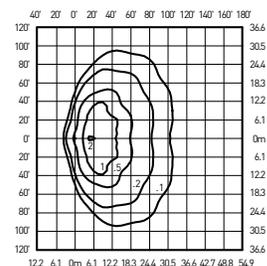
Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

**WSN**



CESTL Test Report #: PL07695-001A  
OSQ-A-\*\*-WSN-U-30K-UL  
Initial Delivered Lumens: 23,116



OSQ-A-\*\*-WSN-B-40K-UL  
Mounting Height: 25' (7.6m) A.F.G., 60° Tilt  
Initial Delivered Lumens: 11,478  
Initial FC at grade

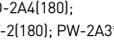
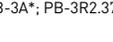
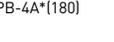
**Wide Sign Distribution**

Input Power Designator	3000K	4000K	5700K
	Initial Delivered Lumens*		
B	9,914	11,478	11,678
K	14,595	16,897	17,191

\* Initial delivered lumens at 25°C (77°F). Actual wattage may differ by +/- 10% when operating between 120-480V +/-10%

**Luminaire EPA**

<b>Fixed Arm Mount – OSQ-DA</b> Weight: 26.5 lbs. (12kg)					
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	4 @ 90°
					
0.74	1.48	1.19	1.93	1.63	2.38

<b>Adjustable Arm Mount – OSQ-AA</b> Weight: 26.5 lbs. (12kg)							
Single	2 @ 180°	2 @ 90°	3 @ 90°	3 @ 120°	3 @ 180°	4 @ 180°	4 @ 90°
<b>Tenon Configuration</b> [0° -80° Tilt]; If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*; PD-2A4(90); PT-2(90)	PB-3A*; PD-3A4(90); PT-3(90)	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375; PD-4A4(90); PT-4(90)
<b>0° Tilt</b>							
0.74	1.48	1.19	1.93	1.63	3.33	4.66	2.38
<b>10° Tilt</b>							
0.75	1.48	1.49	2.23	2.15	4.22	5.84	2.98
<b>20° Tilt</b>							
1.12	1.48	1.86	2.60	2.85	5.31	7.32	3.72
<b>30° Tilt</b>							
1.46	1.48	2.20	2.94	3.56	6.34	8.68	4.40
<b>45° Tilt</b>							
1.96	1.96	2.69	3.43	4.54	7.83	10.68	5.38
<b>60° Tilt</b>							
2.33	2.33	3.07	3.81	5.11	8.94	12.16	6.14
<b>70° Tilt</b>							
2.49	2.49	3.23	3.97	5.11	9.43	12.80	6.46
<b>80° Tilt</b>							
2.58	2.58	3.32	4.06	5.11	9.71	13.16	6.64
<b>Tenon Configuration</b> [90° Tilt]; If used with Cree tenons, please add tenon EPA with Luminaire EPA							
							
PB-1A*; PT-1; PW-1A3**	PB-2A*; PB-2R2.375; PD-2A4(180); PT-2(180); PW-2A3**	PB-2A*	PB-3A*	PB-3A*; PT-3(120)	PB-3A*; PB-3R2.375	PB-4A*(180)	PB-4A*(90); PB-4R2.375
<b>90° Tilt</b>							
2.61	2.61	4.44	6.05	5.11	9.79	13.28	10.39

\* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]



Tenon EPA

Part Number	EPA
PB-1A*	None
PB-2A*	0.82
PB-3A*	1.52
PB-4A*(180)	2.22
PB-4A*(90)	1.11
PB-2R2.375	0.92
PB-3R2.375	1.62
PB-4R2.375	2.32
PD Series Tenons	0.09
PT Series Tenons	0.10
PW-1A3**	0.47
PW-2A3**	0.94
WM-2	0.08
WM-4	0.25
WM-DM	None

\* Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"] for single, double or triple luminaire orientation or 4 [4"], 5 [5"], or 6 [6"] for quad luminaire orientation  
 \*\* These EPA values must be multiplied by the following ratio: Fixture Mounting Height/Total Pole Height. Specify pole size: 3 [3"], 4 [4"], 5 [5"], or 6 [6"]

Tenons and Brackets* (must specify color)	
<b>Square Internal Mount Vertical Tenons (Steel)</b> - Mounts to 3-6" [76-152mm] square aluminum or steel poles PB-1A* – Single                      PB-4A*(90) – 90° Quad PB-2A* – 180° Twin                PB-4A*(180) – 180° Quad PB-3A* – 180° Triple	<b>Round External Mount Vertical Tenons (Steel)</b> - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons PB-2R2.375 – Twin                      PB-4R2.375 – Quad PB-3R2.375 – Triple
<b>Square Internal Mount Horizontal Tenons (Aluminum)</b> - Mounts to 4" [102mm] square aluminum or steel poles PD-2A4(90) – 90° Twin                PD-3A4(90) – 90° Triple PD-2A4(180) – 180° Twin            PD-4A4(90) – 90° Quad	<b>Round External Mount Horizontal Tenons (Aluminum)</b> - Mounts to 2.375" [60mm] O.D. round aluminum or steel poles or tenons - Mounts to square pole with PB-1A* tenon PT-1 – Single (Vertical)                PT-3(90) – 90° Triple PT-2(90) – 90° Twin                    PT-4(90) – 90° Quad PT-2(180) – 180° Twin
<b>Wall Mount Brackets</b> - Mounts to wall or roof WM-2 – Horizontal for OSQ-AA mount WM-4 – L-Shape for OSQ-AA mount WM-DM – Plate for OSQ-DA mount	<b>Mid-Pole Bracket</b> - Mounts to square pole PW-1A3** – Single                      PW-2A3** – Double
	<b>Ground Mount Post</b> - For ground mounted flood luminaires PGM-1 - for OSQ-AA mount

\* Refer to the [Bracket and Tenons spec sheet](#) for more details

Direct Mount Configurations

Compatibility with OSQ-DA Direct Mount Bracket					
Input Power Designator	2 @ 90°	2 @ 180°	3 @ 90°	3 @ 120°	4 @ 90°
<b>3" Square</b>					
A, J, B & K	N/A	✓	N/A	N/A	N/A
<b>3" Round</b>					
A, J, B & K	N/A	✓	N/A	N/A	N/A
<b>4" Square</b>					
A, J, B & K	✓	✓	✓	N/A	✓
<b>4" Round</b>					
A, J, B & K	✓	✓	✓	✓	✓
<b>5" Square</b>					
A, J, B & K	✓	✓	✓	N/A	✓
<b>5" Round</b>					
A, J, B & K	✓	✓	✓	✓	✓
<b>6" Square</b>					
A, J, B & K	✓	✓	✓	N/A	✓
<b>6" Round</b>					
A, J, B & K	✓	✓	✓	✓	✓

Luminaire Schedule	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
3	3	3ME - A	SINGLE	11530	0.930	336	OSQ-A-NM-3ME-A-57K-xx-xx w/OSQ-DAxx
2	2	40D	SINGLE	11678	0.950	172	OSQ-A-NM-40D-A-57K-xx-xx w/OSQ-AAxx
8	8	4ME - A	SINGLE	11412	0.930	896	OSQ-A-NM-4ME-A-57K-xx-xx w/OSQ-DAxx
2	2	4ME - J	SINGLE	17117	0.930	336	OSQ-A-NM-4ME-J-57K-xx-xx w/OSQ-DAxx
3	3	XSPW	SINGLE	2722	1.000	75	XSPW-A-0-3-M-G-x-x

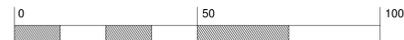
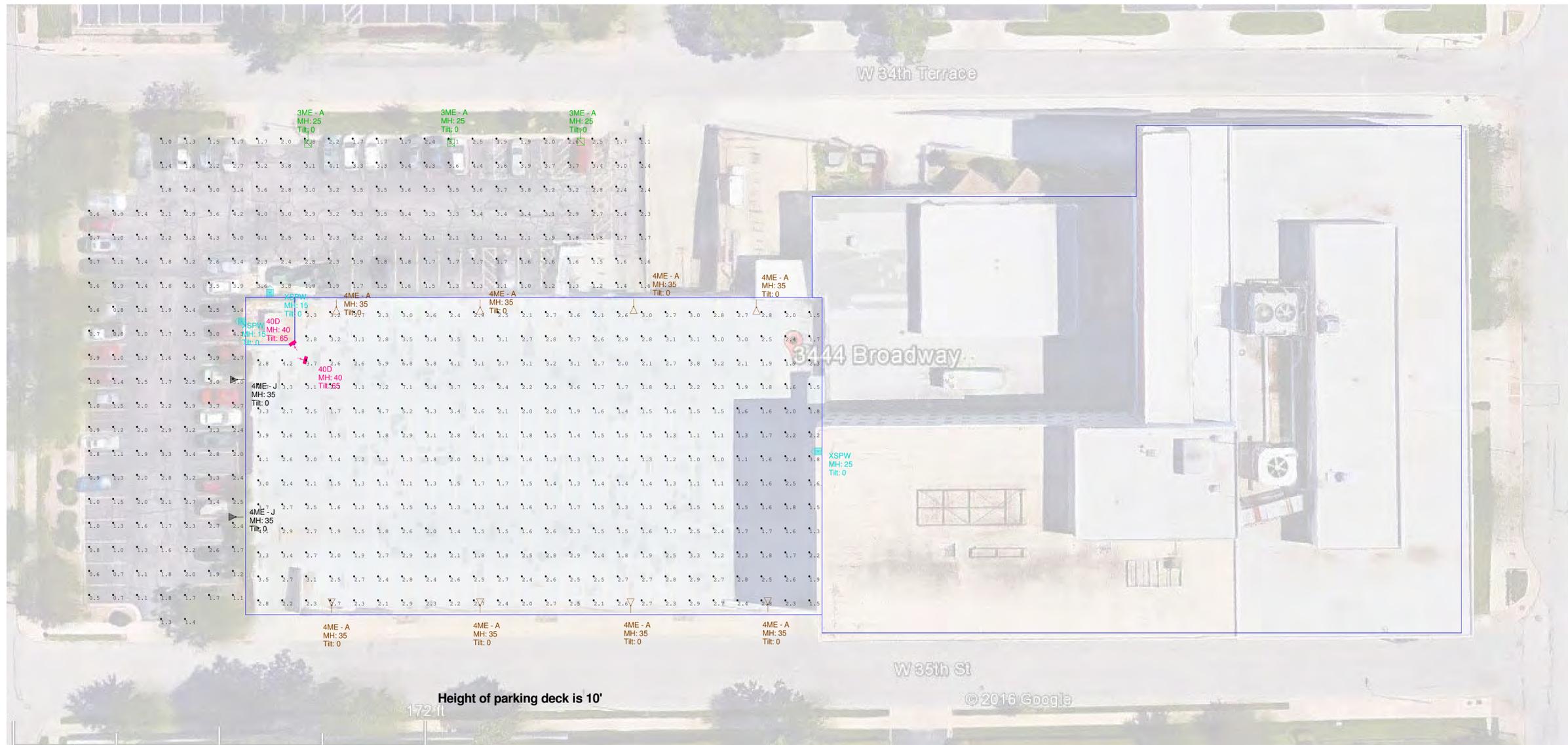
Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	2.25	5.0	0.5	4.50	10.00
Parking Garage_Top	2.34	7.2	1.0	2.34	7.20

Fixtures to be mounted on existing poles

Additional Equipment:  
 (13) OSQ-DAxx (Direct Arm Mount)  
 (2) OSQ-AAxx (Adjustable Arm Mount)

\*\*\* MOUNTING HEIGHT ON POLE MOUNTED FIXTURES ON PARKING DECK INCLUDES -10' PARKING DECK. \*\*\*

\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*



1200 92nd Street - Shoreland, WI 53177  
 www.cree.com - (800) 236-6800

Project Name: Metropolitan Community College - Kansas City - MCC - Health Science Institute (3444 Broadway, Kansas City, MO 64111)	SR-14786
Date: 5/31/2016	Scale: 1"=25'
Filename: 160520JS1CISR2.AGI	Layout by: Chris Schiltz

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

Luminaire Schedule / *Did you know that utility rebates can cover 25% or more of product's cost? Email rebates@cree.com to get help on your project!*						
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts
101	3ME - A	SINGLE	11530	0.930	11312	OSQ-A-NM-3ME-A-57K-xxxx w/OSQ-DAxx
28	3ME - J	SINGLE	17296	0.930	4704	OSQ-A-NM-3ME-J-57K-xxxx w/OSQ-DAxx
5	4ME - A	SINGLE	11412	0.930	560	OSQ-A-NM-4ME-A-57K-xxxx w/OSQ-DAxx
4	4ME - J	SINGLE	17117	0.930	672	OSQ-A-NM-4ME-J-57K-xxxx w/OSQ-DAxx
3	5ME - B	SINGLE	11056	0.950	258	OSQ-A-NM-5ME-B-57K-xxxx w/OSQ-DAxx
2	5ME - K	SINGLE	16277	0.950	260	OSQ-A-NM-5ME-K-57K-xxxx w/OSQ-DAxx
37	5ME TWIN - B	BACK-BACK	11056	0.950	6364	OSQ-A-NM-5ME-B-57K-xxxx w/OSQ-DAxx
4	5ME TWIN - K	BACK-BACK	16277	0.950	1040	OSQ-A-NM-5ME-K-57K-xxxx w/OSQ-DAxx

\*\*\* Layout does not meet IESNA recommended light levels for minimum security, 0.5fc minimum, in all paved areas. \*\*\*

Fixtures to be mounted on existing poles

Additional Equipment:  
(223) OSQ-DAxx (Direct Arm Mount)

\*\*\* Areas that do not meet IESNA recommended light levels for minimum security, 0.5fc minimum, are highlighted in orange. \*\*\*

\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPis	1.92	12.9	0.0	N.A.	N.A.
Lot 1	2.57	9.6	1.5	1.79	6.00
Lot 11	1.50	3.1	0.2	7.50	15.50
Lot 2	1.79	3.5	0.6	2.98	5.83
Lot 3	1.70	3.8	0.6	2.83	6.33
Lot 4	1.40	2.9	0.5	2.80	5.80
Lot 5	2.18	10.8	0.6	3.63	18.00
Lot 6	2.02	3.5	1.1	1.84	3.18
Lot 7	2.57	6.2	1.2	2.23	5.17
Lot 8	2.26	6.4	1.2	1.88	5.33
Lot 9	1.32	3.3	0.5	2.64	6.60



1200 92nd Street - Sturtevant, WI 53177  
www.cree.com - (800) 256-6800

Project Name: Metropolitan Community College - Kansas City - MCC - Maple Woods/2601 NE Barry Rd., Kansas City, MO 64156 SR-14781

Date: 6/10/2016 Scale: 1"=150' Footcandles calculated at grade

Filename: 160523J1CISR2.AGI Layout by: Chris Schiltz

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

\*\*\* Layout does not meet IESNA recommended light levels for minimum security of 0.5fc minimum on paved area. \*\*\*

Luminaire Schedule / "Did you know that utility rebates can cover 25% or more of product's cost? Email rebates@cree.com to get help on your project!"									
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description		
□	7	3ME - J	SINGLE	17296	0.930	1176	OSQ-A-NM-3ME-J-57K-xx-xx w/OSQ-DAXX		
□	1	3ME TWIN - J	2 @ 90 DEGREES	17296	0.930	336	OSQ-A-NM-3ME-J-57K-xx-xx w/OSQ-DAXX		
□	3	4ME - J	SINGLE	17117	0.930	504	OSQ-A-NM-4ME-J-57K-xx-xx w/OSQ-DAXX		

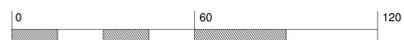
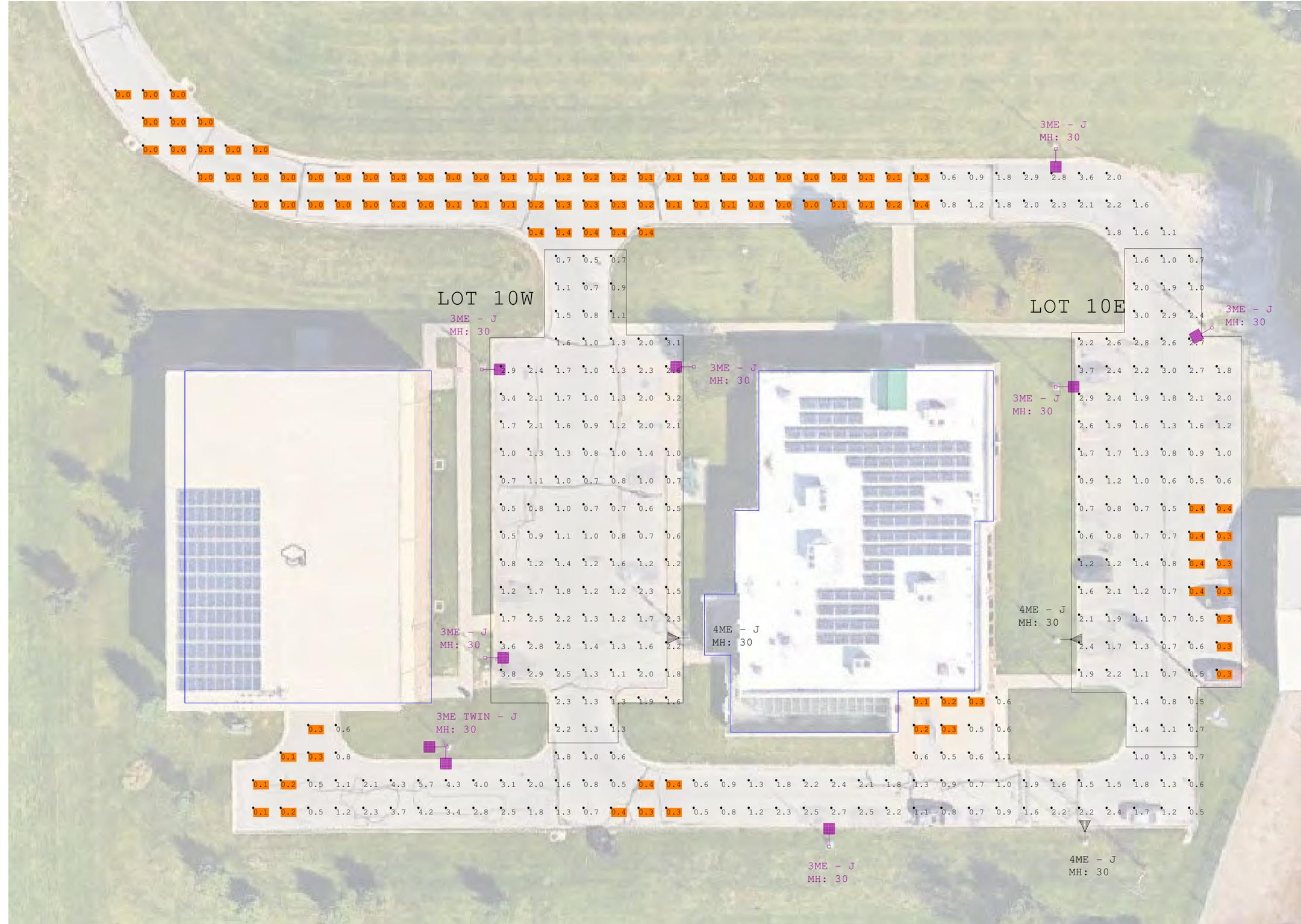
Fixtures to be mounted on existing poles

Additional Equipment:  
(12) OSQ-DAXX (Direct Arm Mount)

\*\*\* Areas that do not meet IESNA recommended lighting levels for minimum security, 0.5fc min, are highlighted in orange. \*\*\*

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	1.20	5.7	0.0	N.A.	N.A.
LOT 10E	1.36	3.7	0.3	4.53	12.33
LOT 10W	1.49	3.8	0.5	2.98	7.60

\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*



1200 92nd Street - Stuartville, WI 53177  
www.cree.com - (800) 256-6800

Project Name: Metropolitan Community College - Kansas City - MCC - Maple Woods/2601 NE Barry Rd., Kansas City, MO 64156	SR-14781
Date: 5/27/2016	Scale: 1"=30'
Filename: 160523JS2CISR1.AGI	Footcandles calculated at grade
	Layout by: Chris Schiltz

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

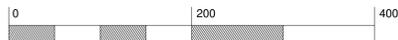
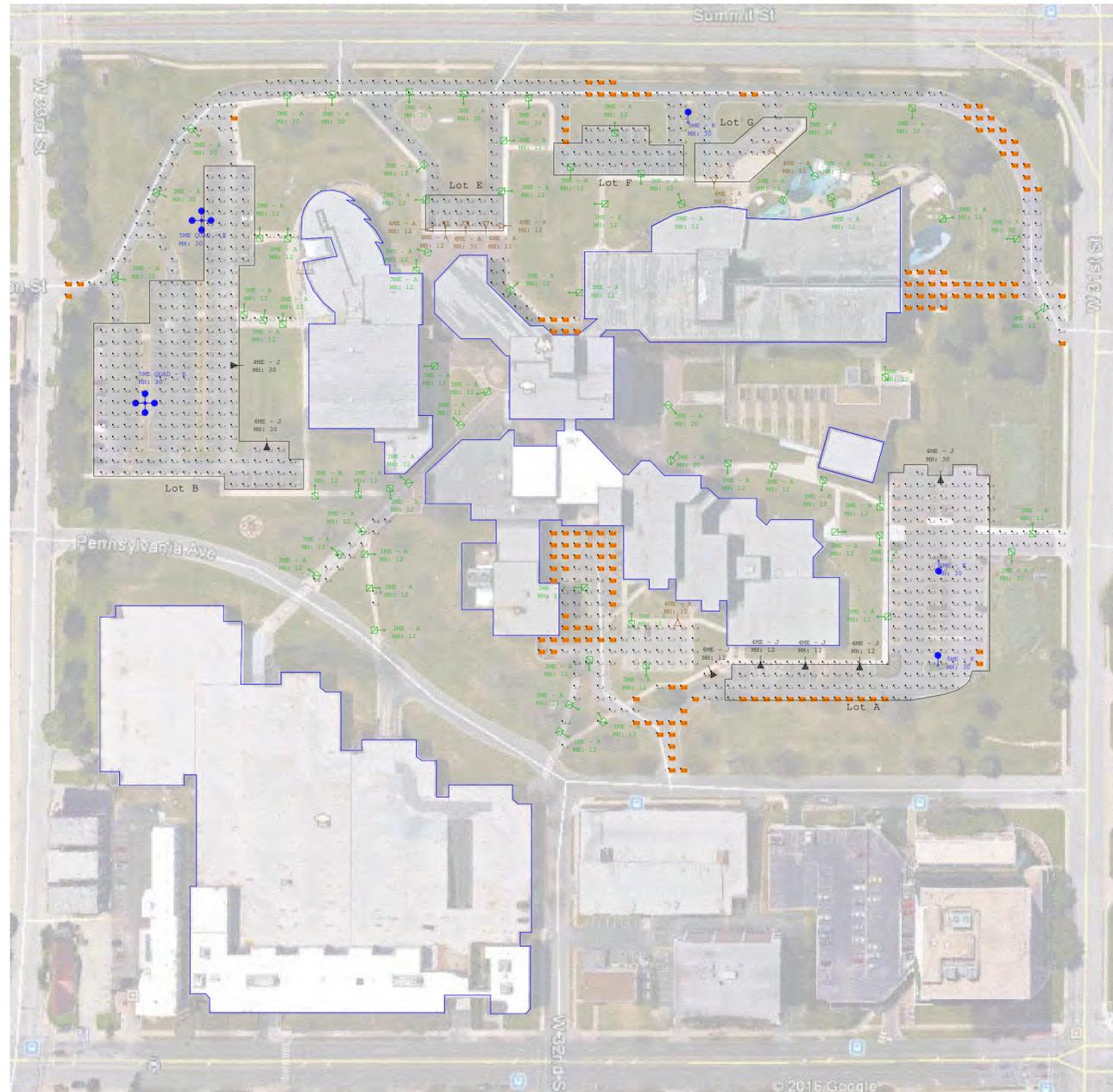
*Did you know that utility rebates can cover 25% or more of product's cost? Email rebates@cree.com to get help on your project!*							
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
	67	3ME - A	SINGLE	11530	0.930	7504	OSQ-A-NM-3ME-A-57K-xx-xx w/OSQ-DAxx
	8	4ME - A	SINGLE	11412	0.930	896	OSQ-A-NM-4ME-A-57K-xx-xx w/OSQ-DAxx
	7	4ME - J	SINGLE	17117	0.930	1176	OSQ-A-NM-4ME-J-57K-xx-xx w/OSQ-DAxx
	3	5ME - K	SINGLE	16277	0.950	390	OSQ-A-NM-5ME-K-57K-xx-xx w/OSQ-DAxx
	2	5ME QUAD - K	4 @ 90°	16277	0.950	1040	OSQ-A-NM-5ME-K-57K-xx-xx w/OSQ-DAxx

Fixtures to be mounted on existing poles

Additional Equipment:  
(93) OSQ-DAxx (Direct Arm Mount)

\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	1.88	17.1	0.0	N.A.	N.A.
Lot A	1.26	6.4	0.3	4.20	21.33
Lot B	1.66	6.2	0.5	3.32	12.40
Lot E	5.02	12.9	1.2	4.18	10.75
Lot F	2.20	11.9	0.5	4.40	23.80
Lot G	1.80	5.2	0.6	3.00	8.67



1200 92nd Street - Sturtevant, WI 53177  
www.cree.com - (800) 256-6800

Project Name: Metropolitan Community College - Kansas City - MCC - PV Site / SR-14787

Date: 6/23/2016 Scale: 1"=100' Footcandles calculated at grade

Filename: 160531JS1CISR2.AGI Layout by: Chris Schiltz

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.



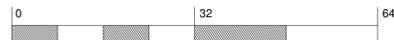
Luminaire Schedule / "Did you know that utility rebates can cover 25% or more of product's cost? Email rebates@cree.com to get help on your project!"							
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
◀	4	4ME - J	SINGLE	17117	0.930	672	OSQ-A-NM-4ME-J-57K-xx-xx w/OSQ-DAXx
◀	3	3ME - J	SINGLE	17296	0.930	504	OSQ-A-NM-3ME-J-57K-xx-xx w/OSQ-DAXx

Fixtures to be mounted on existing poles.

Additional Equipment:  
(7) OSQ-DAXx (Direct Arm Mount)

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts	2.04	3.9	0.5	4.08	7.80

\*\*\* CUSTOMER TO VERIFY ORDERING INFORMATION AND CATALOGUE NUMBER PRIOR TO PLACING ORDER \*\*\*



1200 92nd Street - Sturtevant, WI 53177  
www.cree.com - (800) 256-6800

Project Name: Metropolitan Community College - Kansas City - MCC - Maple Woods/2601 NE Barry Rd., Kansas City, MO 64156	SR-14781
Date: 6/6/2016	Scale: 1"=16'
Filename: 160531JS2CISR1.AGI	Layout by: Chris Schiltz

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

Luminaire Schedule / "Did you know that utility rebates can cover 25% or more of a product's cost? Email rebates@cree.com to get help on your project!"							
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
	3	OSQ-5ME (2)	BACK-BACK	21842	0.950	1026	OSQ-A-NM-5ME-T-57K-UL-XX
	2	LS4	SINGLE	4000	0.930	88	LS4-40L-50K-10V

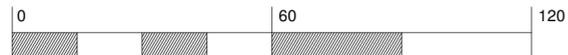
  

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
Parking Lot	1.67	5.2	0.5	3.34	10.40
Under Canopy	4.42	9.0	2.5	1.77	3.60

-Mounting Height: MH

-Layout utilizes existing poles and pole locations.

-Required Mounts:  
(6) OSQ-DA-XX



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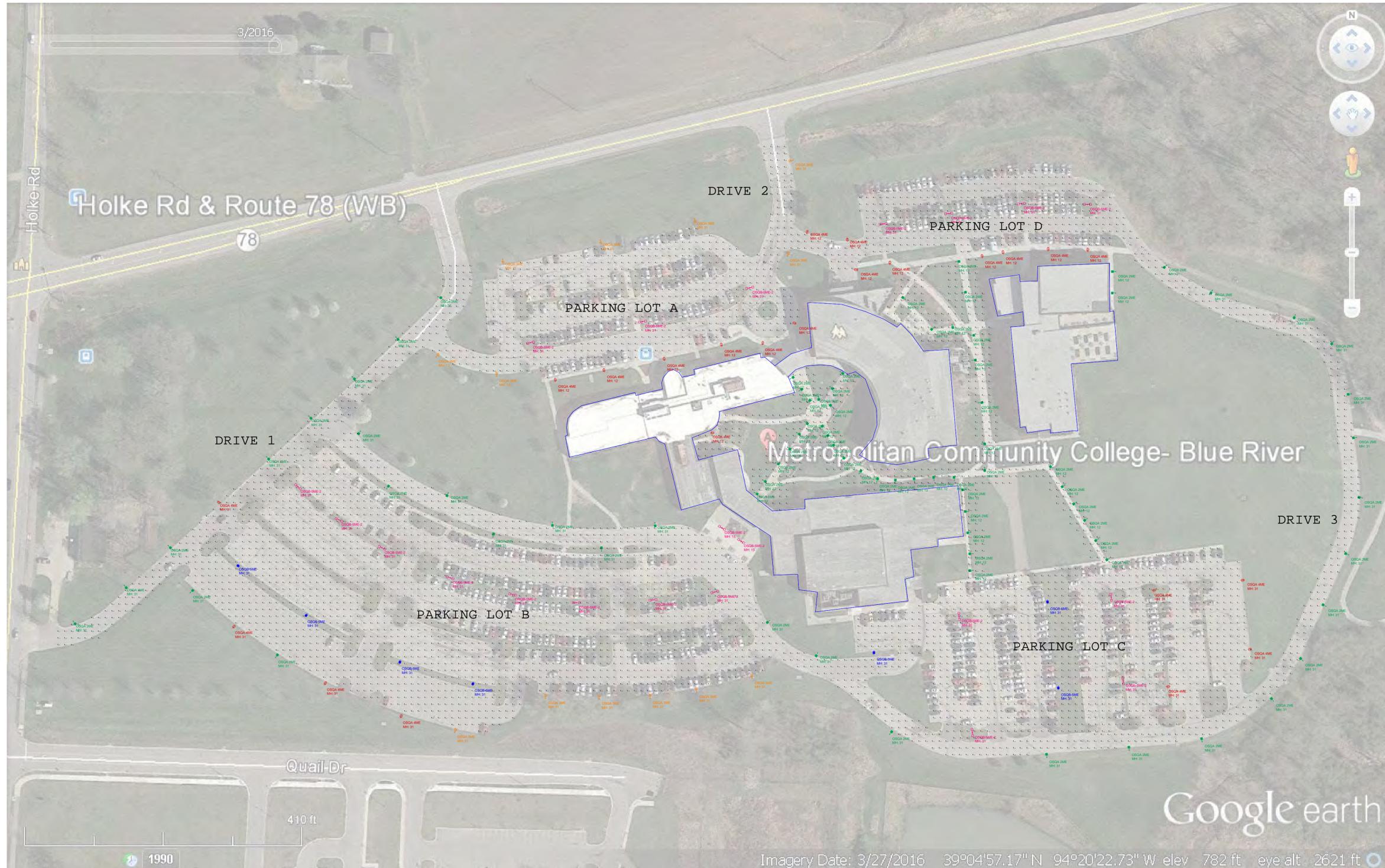
Project Name: Metropolitan Community College(Driving Track)	SR No: 15432
Date: 6/23/2016	Scale: 1"=30'
Footcandles calculated at grade	
Filename: 160616JS1TDLR1.AGI	Layout by: Travis Lindblom

illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
80	OSQA 2ME	SINGLE	11649	0.930	8960	OSQ-A-NM-2ME-A-57K-XX-XX	
13	OSQA 3ME	SINGLE	11530	0.930	1456	OSQ-A-NM-3ME-A-57K-XX-XX	
23	OSQA 4ME	SINGLE	11412	0.930	2576	OSQ-A-NM-4ME-A-57K-XX-XX	
7	OSQB-5ME	SINGLE	11056	0.950	602	OSQ-A-NM-5ME-B-57K-XX-XX	
21	OSQB-5ME-2	BACK-BACK	11056	0.950	3612	OSQ-A-NM-5ME-B-57K-XX-XX	

Label	Footcandles calculated using predicted lumen values after 50K hours of operation				
	Avg	Max	Min	Avg/Min	Max/Min
DRIVE 1	2.25	4.5	0.6	3.75	7.50
DRIVE 2	2.69	11.7	0.7	3.84	16.71
DRIVE 3	1.81	3.8	0.2	9.05	19.00
PARKING LOT A	1.35	11.7	0.3	4.50	39.00
PARKING LOT B	1.46	5.3	0.5	2.92	10.60
PARKING LOT C	1.08	19.8	0.5	2.16	39.60
PARKING LOT D	1.72	12.8	0.6	2.87	21.33
WALK	6.84	32.5	0.0	N.A.	N.A.

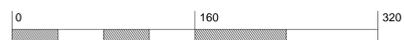
\*\*\*EXISTING POLES TO REMAIN\*\*\*



1200 92nd Street - Sturtevant, WI 53177  
www.cree.com - (800) 236-6800

Project Name: METROPOLITAN COMMUNITY COLLEGE - BLUE RIVER SR-15038  
Date: 6/1/2016 Scale: 1"=80' Footcandles calculated at grade  
Filename: V:\CommonAppEng\OUT\160601PL1CJBR1.AGI Layout by: CHRIS BOSANEC

illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.



Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description
○	2	OSO 3ME1A	SINGLE	11530	0.930	224	OSO-A-NM-3ME-A-57K-UL-XX W/ OSO-DAXX
○	10	OSO 3ME1	SINGLE	22942	0.930	2230	OSO-A-NM-3ME-S-57K-UL-XX W/ OSO-DAXX
○	2	OSO 4ME1A	SINGLE	11412	0.930	224	OSO-A-NM-4ME-A-57K-UL-XX W/ OSO-DAXX
○	6	OSO 4ME1	SINGLE	22705	0.930	1338	OSO-A-NM-4ME-S-57K-UL-XX W/ OSO-DAXX
○	7	OSO 5SH1	SINGLE	21294	0.860	1561	OSO-A-NM-5SH-S-57K-UL-XX W/ OSO-DAXX
○	11	OSO 5SH2	BACK-BACK	21294	0.860	446	OSO-A-NM-5SH-S-57K-UL-XX W/ OSO-DAXX
○	7	OSO 5SH4	4 @ 90°	21294	0.860	6244	OSO-A-NM-5SH-S-57K-UL-XX W/ OSO-DAXX
○	1	OSO 60 3	3 @ 120 DEGREES	21741	0.860	669	OSO-A-NM-60D-S-57K-UL-XX W/ OSO-AAXX

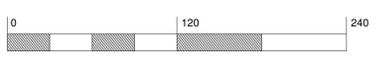
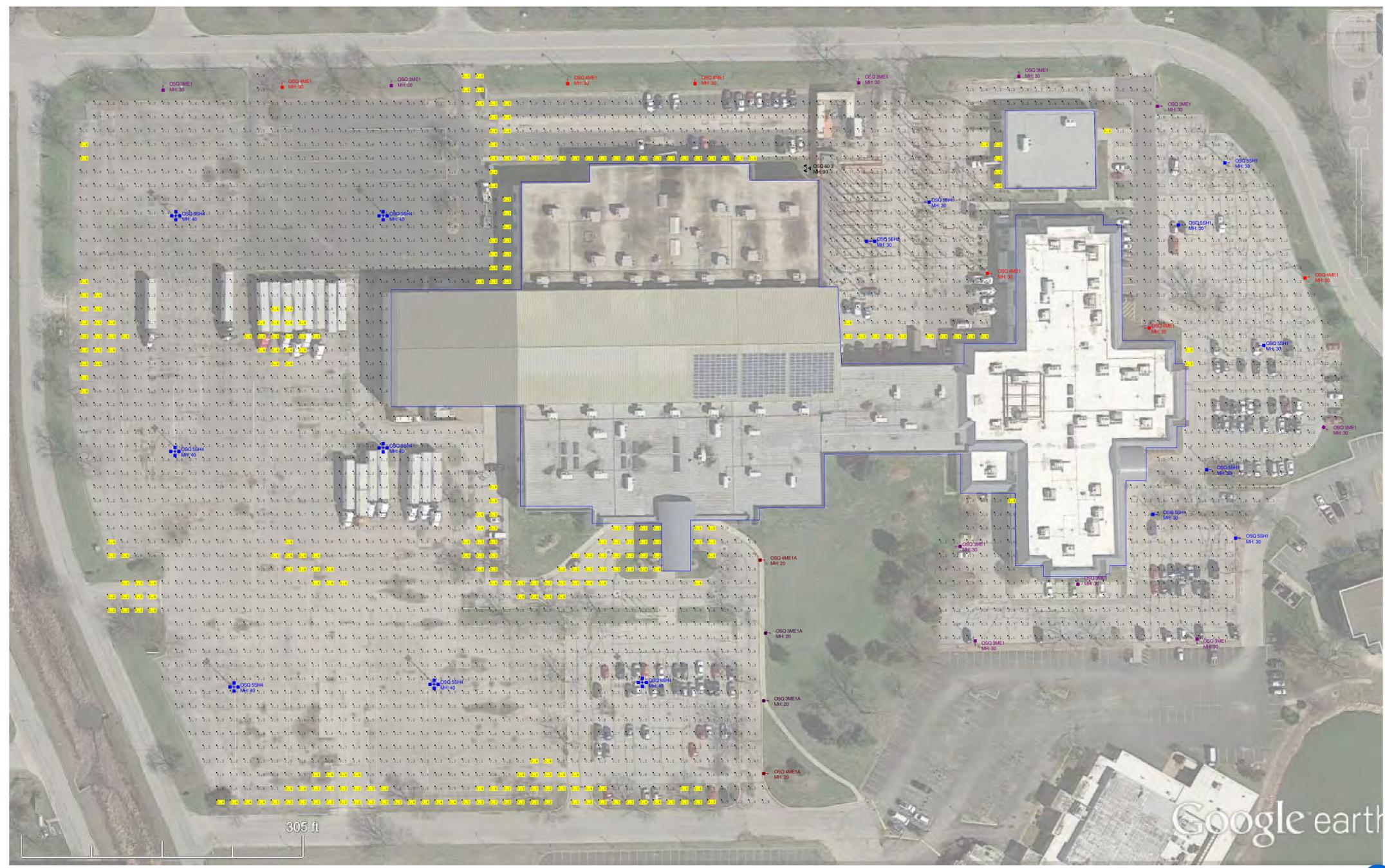
Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	1.39	4.8	0.1	13.90	48.00

Luminaire Location Summary		
LumNo	Z	Tilt
1	40	0
2	40	0
3	40	0
4	40	0
5	40	0
6	40	0
7	40	0
8	20	0
9	20	0
10	20	0
11	20	0
12	20	0
13	30	0
14	30	0
15	30	0
16	30	0
17	30	0
18	30	0
19	30	0
20	30	0
21	30	0
22	30	0
23	30	0
24	30	0
25	30	0
26	30	0
27	30	0
28	30	0
29	30	0
30	30	0
31	30	0
32	30	0
33	30	70
34	30	0
35	30	0
36	30	0
37	30	0



NOTE: EXISTING POLES

ADDITIONAL EQUIPMENT:  
 (57) OSO-DAXX (DIRECT MOUNTING ARM)  
 (3) OSO-AAXX (ADJUSTABLE MOUNTING ARM)



1200 92nd Street - Sturtevant, WI 53177  
 www.cree.com - (800) 236-6800

Project Name: MCC-BUSINESS AND TECHNOLOGY / SR-14788  
 Date: 5/19/2016 / Scale: 1"=60' / Footcandles calculated at grade  
 Filename: V:\Common\AppEng\OUT\160518PL1\LSR1.AGI / Layout by: LINDA SCHALLER

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description	Lum. Watts
■	22	OSQ 3ME1	SINGLE	22942	0.930	4906	OSQ-A-NM-3ME-S-57K-UL-XX W/ OSQ-DAXX	223
■	3	OSQ 4ME1	SINGLE	22705	0.930	669	OSQ-A-NM-4ME-S-57K-UL-XX W/ OSQ-DAXX	223
■	4	OSQ 4ME2	2 @ 90 DEGREES	22705	0.930	1784	OSQ-A-NM-4ME-S-57K-UL-XX W/ OSQ-DAXX	223
■	4	OSQ 5SH1	SINGLE	21294	0.860	892	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223
■	46	OSQ 5SH2	BACK-BACK	21294	0.860	20516	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223
■	3	OSQ 5SH290	2 @ 90 DEGREES	21294	0.860	1338	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223
■	2	OSQ 5SH4	4 @ 90°	21294	0.860	1784	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223
■	15	OSQ 3MEA	SINGLE	11530	0.930	1680	OSQ-A-NM-3ME-A-57K-UL-XX W/ OSQ-DAXX	112
■	1	OSQ 4MEA	SINGLE	11412	0.930	112	OSQ-A-NM-4ME-A-57K-UL-XX W/ OSQ-DAXX	112
■	5	OSQ 5SHA	SINGLE	10701	0.860	560	OSQ-A-NM-5SH-A-57K-UL-XX W/ OSQ-DAXX	112
■	6	OSQ 3MEAQ	SINGLE	7033	0.930	336	OSQ-A-NM-3ME-A-57K-UL-XX-Q9 W/ OSQ-DAXX	56
■	133	OSQ 5SHAQ	SINGLE	6528	0.860	7448	OSQ-A-NM-5SH-A-57K-UL-XX-Q9 W/ OSQ-DAXX	56

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPis_1	2.25	7.7	0.0	N.A.	N.A.
NORTHEAST PARKING LOT	2.70	7.3	0.6	4.50	12.17
SOUTH PARKING LOT	2.45	6.9	0.5	4.90	13.80



\*\*\*NOTE: EXISTING POLES\*\*\*

ADDITIONAL EQUIPMENT:  
(303) OSQ-DAXX (DIRECT MOUNTING ARM)

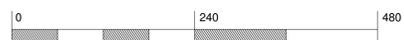


Tour Guide 1990

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Imagery Date: 3/27/2016 38°54'36.36" N 94°27'15.32" W elev. 948 ft eye alt



1200 92nd Street - Sturtevant, WI 53177  
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Project Name: MCC LONGVIEW	SR-14789
Date: 6/6/2016	Scale: 1"=120'
Filename: V:\Common\AppEng\OUT\160520PL1\LSR2.AGI	Layout by: LINDA SCHALLER

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.

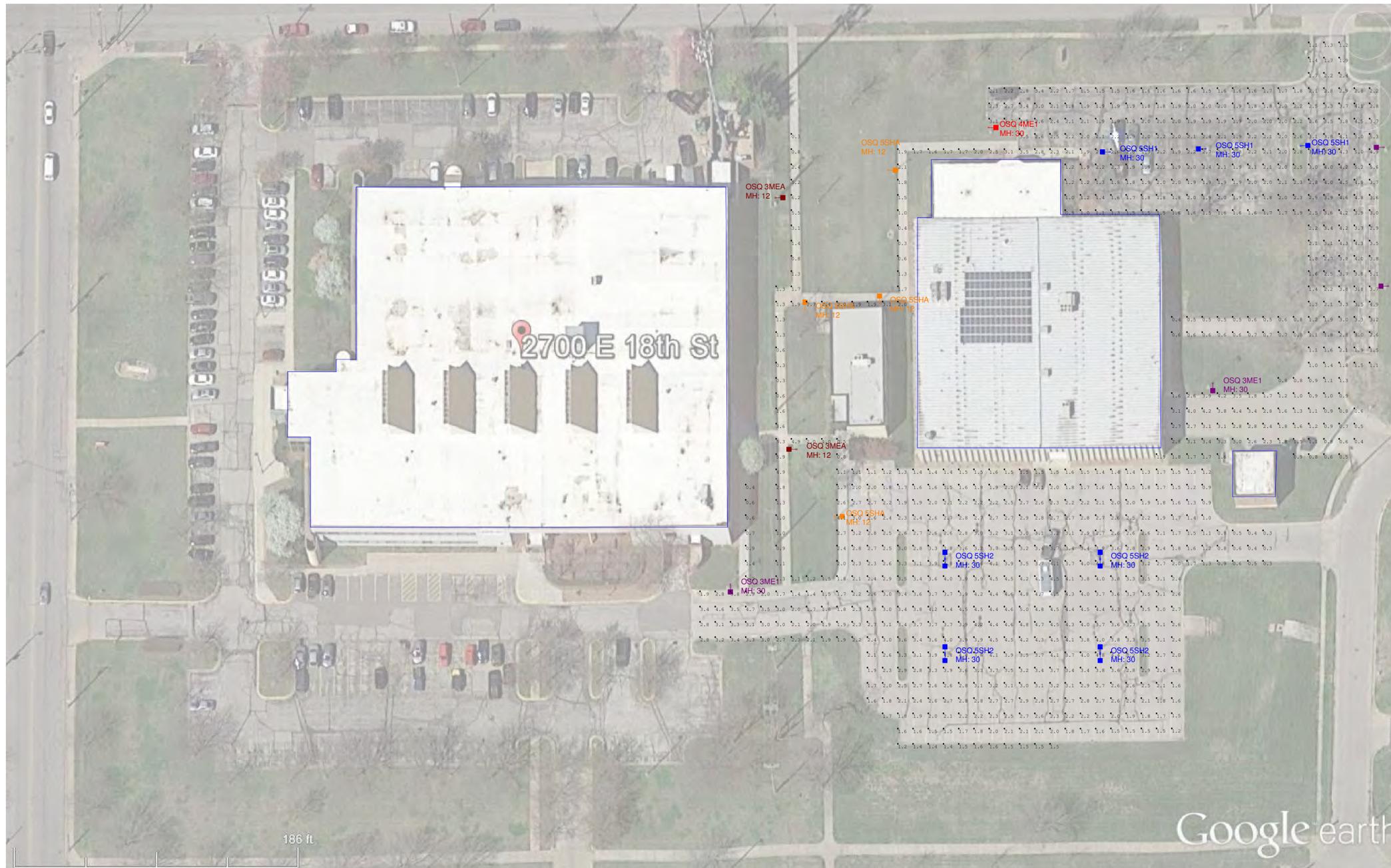
Symbol	Qty	Label	Arrangement	Lumens/Lamp	LLF	Total Watts	Description	Lum. Watts
■	2	OSQ 3MEA	SINGLE	7033	0.930	112	OSQ-A-NM-3ME-A-57K-UL-XX-Q9 W/ OSQ-DAXX	56
■	4	OSQ 3ME1	SINGLE	22942	0.930	892	OSQ-A-NM-3ME-S-57K-UL-XX W/ OSQ-DAXX	223
■	1	OSQ 4ME1	SINGLE	22705	0.930	223	OSQ-A-NM-4ME-S-57K-UL-XX W/ OSQ-DAXX	223
■	4	OSQ 5SHA	SINGLE	6528	0.860	224	OSQ-A-NM-5SH-A-57K-UL-XX-Q9 W/ OSQ-DAXX	56
■	3	OSQ 5SH1	SINGLE	21294	0.860	669	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223
■	4	OSQ 5SH2	BACK-BACK	21294	0.860	1784	OSQ-A-NM-5SH-S-57K-UL-XX W/ OSQ-DAXX	223

Footcandles calculated using predicted lumen values after 50K hours of operation					
Label	Avg	Max	Min	Avg/Min	Max/Min
CalcPts_1	2.45	6.2	0.3	8.17	20.67



NOTE: EXISTING POLES  
 ADDITIONAL EQUIPMENT:  
 (22) OSQ-DAXX (DIRECT MOUNTING ARM)

Luminaire Location Summary		
LumNo	Z	Tft
1	30	0
2	30	0
3	30	0
4	30	0
5	30	0
6	30	0
7	30	0
8	12	0
9	12	0
10	30	0
11	30	0
12	30	0
13	30	0
14	12	0
15	12	0
16	12	0
17	30	0
18	12	0

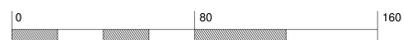


**CREE**

1200 92nd Street - Sturtevant, WI 53177  
 www.cree.com - (800) 236-6800

Project Name: MCC- PIONEER SR-14790  
 Date: 6/21/2016 Scale: 1"=40' Footcandles calculated at grade  
 Filename: V:\Common\AppEng\OUT\160518PL3LJSR2.AGI Layout by: LINDA SCHALLER

Illumination results shown on this lighting design are based on project parameters provided to Cree, Inc. used in conjunction with luminaire test procedures conducted under laboratory conditions. Actual project conditions differing from these design parameters may affect field results. The customer is responsible for verifying dimensional accuracy along with compliance with any applicable electrical, lighting, or energy code.



## AGENDA ITEM SUMMARY

### AGENDA ITEM

Quarterly Update for the Blueprint for Higher Education  
Coordinating Board for Higher Education  
Sept. 8, 2016

### DESCRIPTION

This agenda item provides the Blueprint for Higher Education Quarterly Update.

### Background

The Coordinating Board for Higher Education is required by statute to create a coordinated plan for higher education in Missouri. In 2014, the Coordinating Board and the Department of Higher Education began work on a new coordinated plan. A 36-member steering committee participated in nine public hearings and three work sessions to assist in creating the plan.

In January 2016, the Coordinating Board approved the new coordinated plan, *Preparing Missourians to Succeed: A Blueprint for Higher Education*. The plan includes five goals and numerous strategies to support each goal.

- Goal 1: Attainment – Missouri will increase the proportion of working-age adults with high-quality, affordable postsecondary credentials to 60 percent by 2025.
- Goal 2: Affordability – Missouri will rank among the 10 most affordable states in which to obtain a postsecondary degree or certificate by 2025.
- Goal 3: Quality – Missouri will produce graduates with high-quality postsecondary degree and certificates that are valuable and relevant to individuals, employers, communities and the state.
- Goal 4: Research and Innovation – Missouri will be a top 10 state for investment in academic research by 2025.
- Goal 5: Investment, Advocacy and Partnerships – Missouri will promote greater investment in a culture of postsecondary education through increased advocacy and powerful partnerships with education, business, government and communities.

### Quarterly Update:

To monitor the implementation of the new plan, the Coordinating Board directed the MDHE staff to develop a quarterly update on progress toward achieving the plan's goals.

Attached to this agenda item is the second Blueprint for Higher Education Quarterly Update. The update reflects the work of the MDHE within the plan's goal and strategy framework that is

currently underway or anticipated in the near future. The update will not always include items for all five goals. This should not be interpreted to mean that the missing goals are not important or low priority. It is simply a reflection of the recent department work activity and the limitations of staff resources.

Annually, the MDHE will provide a more comprehensive summary of the programs and initiatives as well as progress being made toward accomplishing the overarching goals. Because of the nature of the related data points and data collection processes, the annual summary will include updates on goal-related measures but the quarterly reports will not.

The quarterly report is a work in progress. We encourage comments and suggestions for these reports so they can be useful in understanding the linkages between the work of MDHE staff and the goals and strategies contained in the plan.

#### **STATUTORY REFERENCE**

Section 173.020(4)

#### **RECOMMENDED ACTION**

This is an information item only.

#### **ATTACHMENT**

Blueprint for Higher Education Quarterly Update

# Preparing Missourians to Succeed

## A Blueprint for Higher Education

Quarterly Report – September 2016

### Goal 1: Attainment

Missouri will increase the proportion of working-age adults with high-quality, affordable postsecondary credentials to 60 percent by 2025.

Strategy	Action	Target Dates	Responsibility
1.1 Eliminate remedial education in favor of co-requisite models and similar proven models.	<ul style="list-style-type: none"> <li>Co-requisite at Scale Initiative – Missouri selected for national project. A Missouri State Co-requisite Academy will be held Oct. 13-14 in St. Louis.</li> </ul>	Project completion – Fall 2017	Academic Affairs
1.1 Expand agreements to support the seamless transfer of academic credits.	<ul style="list-style-type: none"> <li>Senate Bill 997 and House Bill 2003 – develop student portal to provide one-stop access to higher education information including transfer of credit.</li> <li>Senate Bill 997 – Missouri Higher Education Core Curriculum Transfer Act</li> </ul>	<p>Phase I of portal development – July 1, 2017 (A \$500,000 state appropriation to fund development of portal was restricted by the governor to balance the Fiscal Year 2017 budget. MDHE will continue to work on this initiative but will be constrained by the funding restriction.)</p> <p>By January 1, 2018, for implementation in 2018-2019</p>	<p>Agency-wide</p> <p>Academic Affairs</p>
1.1 Expand alternative modes of delivery, including early-college, online, credit for prior learning and competency-based	<ul style="list-style-type: none"> <li>Dual Credit Policy (revised) – establishment of Early College Advisory Board (ECAB)</li> </ul>	ECAB meetings throughout 2016 to assist in establishing reporting instruments, methods and processes; ongoing implementation	Academic Affairs



seeking new job skills; and those with some college but no degree.	practices and outreach. A Multi-State Collaborative Fall Faculty Training will be held Sept. 9.		
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## Goal 2: Affordability

Missouri will rank among the 10 most affordable states in which to obtain a postsecondary degree or certificate by 2025.

Strategy	Action	Target Dates	Responsibility
2.2 Form a robust state-level work-study program designed to provide real-world experience and promote skill development, including essential skills” that are highly sought after in the workplace and in life.	<ul style="list-style-type: none"> <li>Capitalize on legislative interest, including research into similar efforts in other states</li> </ul>	Dependent upon legislative action/interest	Legislative Affairs
2.5 Implement a web-based student portal that will serve as a one-stop shop for information about higher education, including applications, FAFSA rules, state student aid eligibility, transfer polices, reverse transfer, transfer-course library, and other information to help students plan for higher education and complete a degree in less time and at less cost.	<ul style="list-style-type: none"> <li>Senate Bill 997 and House 2003 – develop student portal to provide one-stop access to higher education information including transfer.</li> </ul>	Phase I of portal develop – July 1, 2017 ( <i>A \$500,000 state appropriation to fund the development of portal was restricted by the governor to balance the Fiscal Year 2017 budget. MDHE will continue to work on this initiative but will be constrained by the funding restriction.</i> )	Agency-wide
2.6 Support initiatives to fund public higher education sufficiently to move “per full-time-equivalent	<ul style="list-style-type: none"> <li>FY17 state appropriations – Four percent increase through performance funding.</li> </ul>	FY 2017	Legislative Affairs

<p>student” funding to the national average.</p>	<ul style="list-style-type: none"> <li>• Piloting 6<sup>th</sup> performance funding measure on student outcomes (employment/education)</li> <li>• FY17 state appropriations – <ul style="list-style-type: none"> <li>- <i>A+ Scholarship Program</i> – \$2.5 million increase.</li> <li>- <i>Bright Flight Scholarship Program</i> – \$500,000 increase. The scholarship will be fully funded at \$3,000 for the 2016-17 academic year for qualifying students.</li> <li>- <i>Access Missouri Grant Program</i> – \$4 million increase. Maximum grant amounts will increase for the 2016-17 academic year by more than 21 percent to \$1,030 for community college students and \$2,250 for four-year public, State Tech and independent schools.</li> </ul> </li> </ul>	<p>FY 2018/FY2019</p> <p>2016-2017</p>	<p>Legislative Affairs</p> <p>Financial Assistance</p>
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**Goal 3: Quality**

Missouri will produce graduates with high-quality postsecondary degree and certificates that are valuable and relevant to individuals, employers, communities and the state.

Strategy	Action	Target Dates	Responsibility
<p>3.3 Review Missouri’s postsecondary education system – including governance and regulatory structures, efficiency, missions, adequacy of funding, and selectivity policy, to assess how effectively the system is meeting the needs of stakeholders and make recommendations as appropriate.</p>	<ul style="list-style-type: none"> <li>• The 14-member Task Force – comprised of representatives from each public higher education sector – met July 14 to begin work on the review. MDHE has contracted with the National Center for Higher Education Management Systems to assist with the review. <i>(A \$150,000 state appropriation to fund the review was</i></li> </ul>	<p>Interim report – December 2016</p> <p>Final report – July 2017</p>	<p>Academic Affairs</p>

	<i>restricted by the governor to balance the Fiscal Year 2017 budget. MDHE obtained alternate funding for the review.)</i>		
3.6 Participate in a comprehensive review of Missouri's current system of career and technical education to affirm strengths and identify areas to improve efficiency and effectiveness.	<ul style="list-style-type: none"> <li>• Participating in DESE Ad Hoc Career and Technical Education (CTE) Funding Committee</li> <li>• Participating in DESE Postsecondary CTE Workgroup</li> </ul>	Ongoing	Academic Affairs
		Ongoing	Academic Affairs

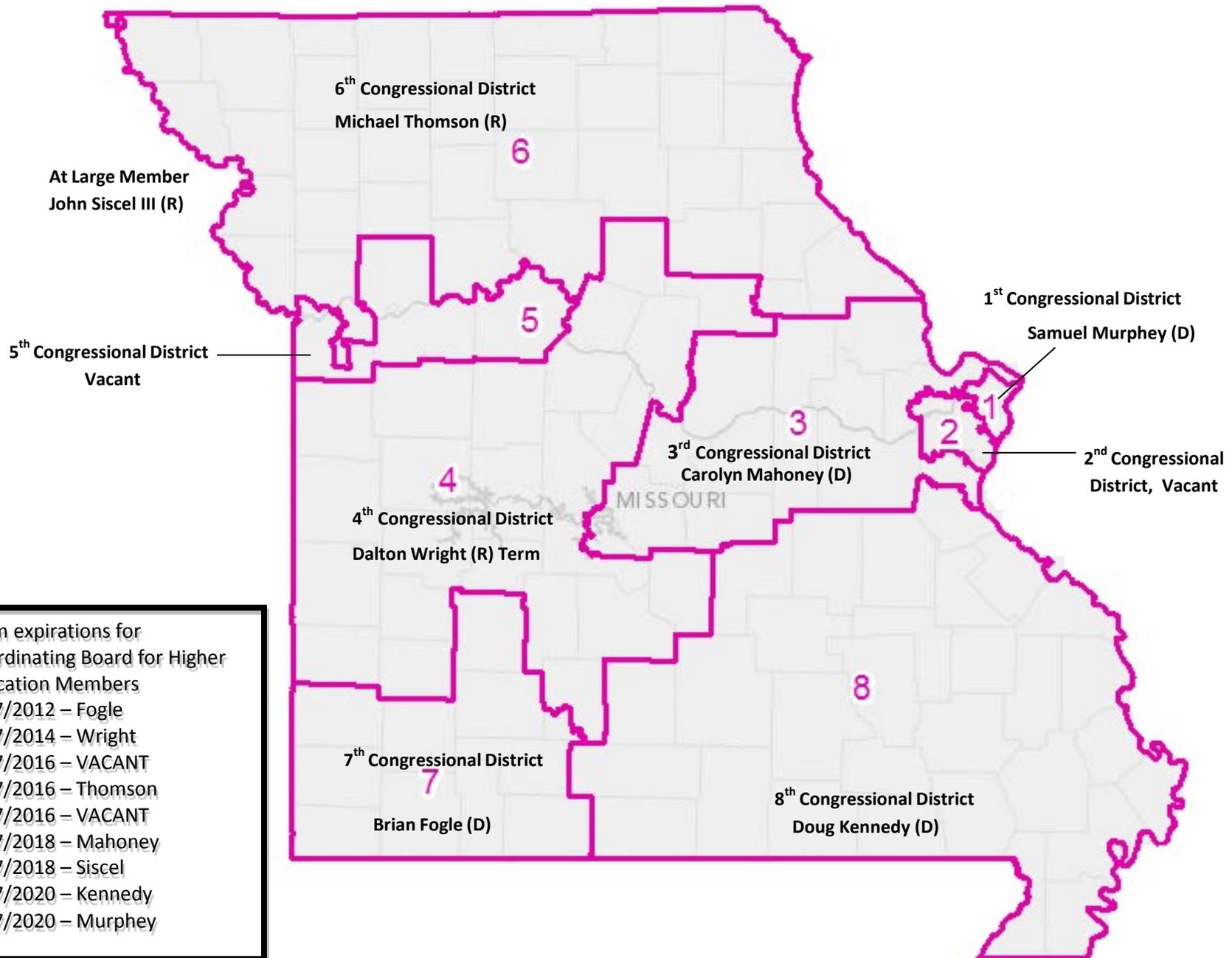
Coordinating Board for Higher Education  
Members by Congressional District

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Missouri's Congressional Districts

District	Description or boundary	Population
1	St. Louis County (part of) and St. Louis City	748,616
2	Counties of Jefferson (part of), St. Charles (part of), St. Louis County (part of)	748,616
3	Counties of Jefferson (part of), Franklin, Gasconade, Maries, Osage, Cole, Callaway, Montgomery, Warren, Lincoln (part of), St. Charles County (part of), Miller, Camden (part of)	748,615
4	Counties of Audrain (part of), Randolph, Boone, Howard, Moniteau, Cooper, Morgan, Camden (part of), Hickory, Benton, Pettis, Johnson, Henry, St. Clair, Cedar, Dade, Barton, Vernon, Bates, Cass, Dallas, Laclede, Pulaski, Webster (part of)	748,616
5	Counties of Jackson (part of), Ray, Lafayette, Saline, Clay (part of)	748,616
6	Counties of Lincoln (part of), Audrain (part of), Ralls, Marion, Shelby, Lewis, Monroe, Knox, Clark, Scotland, Schuyler, Adair, Macon, Chariton, Linn, Sullivan, Putnam, Mercer, Grundy, Livingston, Carroll, Caldwell, Daviess, Harrison, Worth, Gentry, DeKalb, Clinton, Clay (part of), Jackson (part of), Platte, Buchanan, Andrew, Nodaway, Holt, Atchison	748,616
7	Counties of Jasper, Newton, McDonald, Lawrence, Barry, Stone, Taney, Christian, Greene, Polk, Webster (part of)	748,616
8	Counties of Ozark, Douglas, Wright, Texas, Howell, Oregon, Shannon, Dent, Phelps, Crawford, Washington, Jefferson (part of), Iron, Reynolds, Carter, Ripley, Butler, Wayne, Madison, St. Francois, Ste. Genevieve, Perry, Bollinger, Cape Girardeau, Scott, Stoddard, Mississippi, New Madrid, Pemiscot, Dunklin	748,616

# Coordinating Board for Higher Education Members by Congressional District



**STATUTORILY REQUIRED FUNCTIONS OF THE COORDINATING BOARD FOR  
HIGHER EDUCATION /MDHE**  
(as of May 13, 2016)

**Fiscal**

- Establish guidelines for appropriation requests by public four-year institutions (§173.005.2(3))
- Approve a community college funding model developed in cooperation with the community colleges (§ 163.191.1)
- Submit an aggregated community college budget request (§ 163.191.1)
- Oversee implementation of the Higher Education Student Funding Act (“Tuition Stabilization”), including the adjudication of waiver requests submitted by institutions proposing to raise tuition at a rate that exceeds the statutory guideline (§ 173.1003.5)
- Recommend to governing boards of state-supported institutions, including public community colleges, formulas to be employed in specifying plans for general operations, development and expansion and requests for appropriations from the general assembly (§ 173.030(3))
- Promulgate rules to include selected off-campus instruction in public colleges and university appropriation recommendations where prior need has been established in areas designated by the Coordinating Board for Higher Education (§ 173.030(4))
- Request appropriations to match U.S. Agency for International Development funds for purposes of facilitating international student exchanges (§ 173.730)

**Planning**

- Conduct studies of population and enrollment trends affecting institutions of higher education in the state (§ 173.020(1))
- Identify higher education needs in the state in terms of requirements and potential of young people and in terms of labor force requirements (§ 173.020(2))
- Develop arrangements for more effective and more economical specialization among institutions in types of education programs offered and students served and for more effective coordination and mutual support among institutions in the utilization of facilities, faculty and other resources (§ 173.020(3))
- Design a coordinated plan for higher education for the state and its subregions (§ 173.020(4))
- Develop in cooperation with the Department of Elementary and Secondary Education a comprehensive assessment of postsecondary vocational technical education in the state (§ 178.637.2)<sup>1</sup>
- Collect information and develop comparable data for all institutions of higher education in the state and use it to delineate areas of competence of each of these institutions and for any other purposes the CBHE deems appropriate (§ 173.005.2(9))
- Establish state and institution-specific performance measures by July 1, 2008 (§ 173.1006.1)
- Conduct institutional mission reviews every five years (§ 173.030(7))
- Review and approve applications from institutions for statewide missions (§ 173.030(8))
- Issue annual report to the governor and general assembly (§ 173.040)
- Report to Joint Committee on Education (§ 173.1006.2)

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<sup>1</sup> This was a one-time requirement to be completed by August 1996 in connection with the establishment of Linn State Technical College. There is no statutory requirement to keep the assessment updated.

## **Academic Programs**

- Approve proposed new degree programs to be offered by the state institutions of higher education (§ 173.005.2(1))
- Approve degree programs offered by out-of-state institutions, in a manner similar to Missouri public higher education institutions. Department may charge fees to cover costs of reviewing and assuring the quality of programs. (§ 173.005.2 (12) (b) b)
- Recommend to governing boards the development, consolidation or elimination of programs, degree offerings, physical facilities or policy changes deemed in the best interests of the institutions or the state (§ 173.030(2))
- Approve out-of-district courses offered by community colleges (§ 163.191.4)
- Establish competencies for entry-level courses associated with an institution's general education core curriculum (§ 173.005.2(7))
- Determine to what extent courses of instruction in the Constitution of the U.S., and of the state of Missouri, and in American History should be required by colleges and universities. (§ 170.011.1)
- Establish guidelines to facilitate student transfers (§ 173.005.2(7))
- Administer the Studies in Energy Conservation Fund in collaboration with the Department of Natural Resources and, subject to appropriations, establish full professorships of energy efficiency and conservation (§ 640.219.1)
- Promulgate rules to ensure faculty credentials and student evaluations are posted on institutional websites (§ 173.1004)
- Cooperate with the Department of Corrections to develop a plan of instruction for the education of offenders (§ 217.355)
- Establish guidelines to promote and facilitate the transfer of students between institutions of higher education within the state (§ 173.005.2(8))
- Require all public two-year and four-year higher education institutions to create by July 1, 2014, a statewide core transfer library of at least twenty-five lower division courses across all institutions that are transferable among all public higher education institutions (§ 173.005.2(8))
- Develop a policy to foster reverse transfer for any student who has accumulated enough hours by meeting specific statutory requirements to be awarded an associate degree (§ 173.005.2(8))
- Require all public two-year and four-year higher education institutions to replicate best practices in remediation (§ 173.005.2(6))

## **Institutional Relationships**

- Promote and encourage the development of cooperative agreements between Missouri public four-year institutions of higher education which do not offer graduate degrees and Missouri public four-year institutions of higher education which do offer graduate degrees for the purpose of offering graduate degree programs on campuses of those public four-year institutions of higher education which do not otherwise offer graduate degrees. (§ 173.005(2))
- Coordinate reciprocal agreements between or among institutions at the request of one or more of the parties. (§ 173.030(5))
- Enter and administer interstate reciprocal agreements for delivery of postsecondary distance education, including approval of applications to participate and development of consumer protection and complaint policies (§ 173.030(6))
- Approve new state-supported senior colleges or residence centers (§ 173.005.2(4))

- Establish admission guidelines consistent with institutional missions (§ 173.005.2(5))
- Establish guidelines to help institutions with decisions relating to residence status of students (§ 173.005.2(7))
- Conduct binding dispute resolution for disputes between public institutions that involve jurisdictional boundaries, or the use or expenditure or any state resources (§ 173.125)
- Receive biennial reports from all public institutions on the number and language background of all teaching assistants, including a copy of the institution's current policy for selection of graduate teaching assistants (§ 170.012.4)
- Promulgate model conflict of interest policy that is used to govern all public institutions of higher education that did not have a similar measure in place after January 1, 1992 (§ 173.735)
- Enforce provisions of the Missouri Returning Heroes Education Act, which limits the amount of tuition public institutions can charge combat veterans (§ 173.900.4)
- Promulgate rules for the refund of all tuition and incidental fees or the awarding of a grade of "incomplete" for students called into active military service, voluntarily or involuntarily, prior to the completion of the semester (§ 41.948.5)
- Provide an annual report to the Department of Elementary and Secondary Education on the performance of graduates of public high schools in the state during the student's initial year in the public colleges and universities of the state (§ 173.750.1)
- Promulgate instructions and recommendations for implementing eye safety in college and university laboratories (§ 173.009)
- Exercise oversight of State Technical College (§ 178.638)
- Establish standards for the organization of community colleges (§ 178.770)
- Approve establishment of community college subdistricts and redistricting (§ 178.820)
- Supervise the two-year community colleges (§ 178.780) to include:
  - Establishing their role in the state
  - Setting up surveys to be used for local jurisdictions when determining need and potential for a community college
  - Administering the state financial support program
  - Formulating and putting into effect uniform policies as to budgeting, record keeping and student accounting
  - Establishing uniform minimum entrance requirements and uniform curricular offerings
  - Make a continuing study of community college education in the state
  - Being responsible for their accreditation, annually or as often as deemed advisable, and in accordance with established rules

*Note: Section 173.005.7 transfers to the Coordinating Board for Higher Education the duties of the State Board of Education relating to community college state aid, supervision and formation specified in Chapters 163 and 178, RSMo.*

## **Financial Aid<sup>2</sup>**

- Administer the Access Missouri Financial Assistance Program (§ 173.1103.1)
- Administer Higher Education Academic Scholarship Program ("Bright Flight") (§ 173.250.3)
- Administer the A+ Scholarship Program (Executive Order 10-16, January 29, 2010)
- Administer the Advanced Placement Incentive Grant (§ 173.1350)

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<sup>2</sup> Entries in italics historically have not had funds appropriated to them by the General Assembly and so require no ongoing activity by the department.

- Administer the Kids' Chance Scholarship Program for children of workers who were seriously injured or killed as result of a workmen's compensation-related event (need based) (§ 173.256.1)
- Administer the Public Safety Officer or Employee Grant Program for certain public employees and their families if the employee is killed or permanently and totally disabled in the line of duty (§ 173.260.2 & .4)
- Administer the Marguerite Ross Barnett Competitiveness Scholarship Program for students who are employed 20 hours or more per week while attending school part time (need based) (§ 173.262.3)
- *Administer the Missouri Teaching Fellows Program for educational loan repayments, to include maintaining a program coordinator position to identify, recruit, and select potential applicants for the program (§ 168.700)*
- Administer the Minority Teaching Scholarship Program (§ 161.415)
- Administer the Minority and Underrepresented Environmental Literacy Program (§ 173.240)
- Administer the Advantage Missouri Trust Fund, which provides loans and a loan forgiveness program for students in approved educational programs who become employed in occupational areas of high demand in the state; responsibilities include annually designating occupational areas of high demand and the degree programs or certifications that lead to employment in those areas (§§ 173.775.2 & 173.781)
- Make provisions for institutions to award tuition and fee waivers to certain students who have been in foster care or other residential care under the Department of Social Services (§ 173.270.1)
- May request information from public or private institutions to determine compliance with the requirement that no student receiving state need-based financial assistance receive financial assistance that exceeds the student's cost of attendance (§ 173.093)
- Administer the Veteran's Survivor Grant (§ 173.234.1)
- Administer the Vietnam Veteran's Survivor Grant (§ 173.236.1)
- Receive annual certification from all postsecondary institutions that they have not knowingly awarded financial aid to a student who is unlawfully present in the U.S. (§ 173.1110.3)
- Promulgate rules to ensure individuals in the process of separating from the U.S. military may readily obtain in-state residency status for purposes of tuition and admission. (§ 173.1150)

### **State Guaranty Agency under the Federal Family Education Loan Program<sup>3</sup>**

- Administer Missouri Student Loan Program (§§ 173.100 to .120 & .130 & .150 to .187; also Title IV, Part B of the Higher Education Act of 1965, as amended (20 U.S.C. §§ 1071 to 1087-2), and its implementing regulations in 34 C.F.R. §§ 433A, 485D & 682).

Responsibilities include:

- Establishing standards for determining eligible institutions, eligible lenders and eligible borrowers
- Processing applications
- Loan disbursement
- Enrollment and repayment status management
- Default awareness activities
- Collecting on defaulted borrowers

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<sup>3</sup> As a result of provisions in the recently enacted Healthcare and Education Affordability Reconciliation Act, no new FFELP loans will be issued after June 30, 2010. However, the Guaranty Agency's statutory and regulatory obligations will continue as to loans still outstanding and guaranteed before that date.

- School and lender training
- Financial literacy activities
- Providing information to students and families on college planning, career preparation, and paying for college
- Administering claims
- Compliance
- Provide information on types of financial assistance available to pursue a postsecondary education (§ 167.278)
- Act as a lender of last resort for students or schools that cannot otherwise secure loans (§ 173.110.3)
- Enter into agreements with and receive grants from U.S. government in connection with federal programs of assistance (§173.141)

### **Proprietary Schools**

- License and oversee all for-profit Missouri certificate or degree granting schools (§ 173.604.1)
- License and oversee some not-for-profit Missouri certificate or degree granting schools (§§ 173.604.1 & 173.616.1)
- License and oversee out-of-state higher education institutions offering instruction in Missouri (public out-of-state are exempt but go through program approval similar to in-state publics) (§§ 173.602 & 173.005.2(11)(b))
- License and oversee certain types of student recruitment by non-Missouri institutions (§ 173.602)
- Require annual recertification, or recertification every two years if certain conditions are met (§ 173.606.1 & 173.606.2)
- Establish appropriate administrative fees to operate the certification program. (§ 173.608.2)

### **Assignments in Statute to Serve on other State Boards**

- Missouri Higher Education Loan Authority (both the commissioner and a Coordinating Board for Higher Education member. (§ 173.360)
- Missouri Higher Education Savings Program (MOST) (§ 166.415.1)
- Missouri Workforce Investment Board (§ 620.511.3)
- Holocaust Commission (§ 161.700.3(1))
- Commission on Autism Spectrum Disorders (§ 633.200.3(6))
- Interagency Advisory Committee on Energy Cost Reduction & Savings (§ 8.843)
- Minority Environmental Literacy Advisory Committee (§ 173.240.7)
- Missouri Area Health Education Centers Council (§ 191.980)

### **Grants for Institutions/Faculty**

- Administer the Nurse Education Incentive Program (§ 335.203)
- Apply for, receive and utilize funds which may be available from private nonprofit foundations and from federal sources for research on higher education needs and problems in the state. (§ 173.050(2))
- Serve as the official state agency to plan for, define, and recommend policies concerning the allocation of federal funds where such funds, according to provisions of federal legislation, are to be received and allocated through an official state agency. (§ 173.050(1))

### **Enforcement**

- Compliance with requests from the coordinating board for institutional information and the other powers, duties and responsibilities, herein assigned to the coordinating board, shall be a prerequisite to the receipt of any funds which the coordinating board is responsible for administering. (§ 173.005.2(10))
- If any institution of higher education in this state, public or private, willfully fails or refuses to follow any lawful guideline, policy or procedure established or prescribed by the coordinating board, or knowingly deviates from any such guideline, or knowingly acts without coordinating board approval where such approval is required, or willfully fails to comply with any other lawful order of the coordinating board, the coordinating board may, after a public hearing, *withhold or direct to be withheld from that institution any funds the disbursement of which is subject to the control of the coordinating board*, or may *remove the approval of the institution as an approved institution* within the meaning of section 173.1102.
- If any such public institution willfully disregards board policy, the commissioner of higher education may *order such institution to remit a fine in an amount not to exceed one percent of the institution's current fiscal year state operating appropriation to the board*. The board shall hold such funds until such time that the institution, as determined by the commissioner of higher education, corrects the violation, at which time the board shall refund such amount to the institution. If the commissioner determines that the institution has not redressed the violation within one year, the fine amount shall be deposited into the general revenue fund, unless the institution appeals such decision to the full coordinating board, which shall have the authority to make a binding and final decision, by means of a majority vote, regarding the matter. However, nothing in this section shall prevent any institution of higher education in this state from presenting additional budget requests or from explaining or further clarifying its budget requests to the governor or the general assembly. (§ 173.005.2(11))