MOODY'S INVESTORS SERVICE

SECTOR COMMENT

11 September 2019



Contacts

Dennis M. Gephardt	+1.212.553.7209
VP-Sr Credit Officer	
dennis.gephardt@moody	s.com
Marcia Van Wagner	+1.212.553.2952
VP-Sr Credit Officer	

marcia.vanwagner@moodys.com

Susan I Fitzgerald +1.212.553.6832 Associate Managing Director susan.fitzgerald@moodys.com

Kendra M. Smith	+1.212.553.4807
MD-Public Finance	
kendra.smith@moodys.com	n

CLIENT SERVICES

Americas	1-212-553-1653	
Asia Pacific	852-3551-3077	
Japan	81-3-5408-4100	
EMEA	44-20-7772-5454	

Public colleges and universities and states – Louisiana Plan to boost higher education achievement is credit positive for the state and its universities

On August 28, the Louisiana Board of Regents announced a strategic plan to improve educational attainment levels, aiming to increase the percentage of working-age (25 to 64) state residents with a postsecondary degree or "high value" credential to 60% by 2030. The plan (master plan for higher education) also seeks to refine the outcomes-based funding model for state universities, community colleges and technical colleges with a goal of attracting and retaining more low-income and underrepresented students.

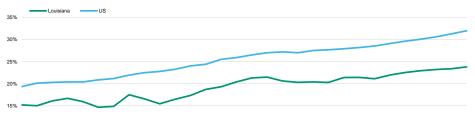
Louisiana (Aa3 stable) has a skills gap and the lack of educational attainment is an economic and social challenge. If the strategic plan meets objectives, Louisiana will benefit from greater economic competitiveness, a credit positive for the state. Universities will also benefit from greater alignment with state policy goals, potentially helping with funding.

Significantly boosting educational achievement, however, will not be easy, absent innovative solutions at the state and individual institution level. Louisiana has a higher than typical poverty rate and lower-income students tend to face more hurdles to degree completion.

To reach the 60% goal, the strategic plan cites data showing the state will need to more than double the number of students receiving a degree or credential annually to 85,000 by 2030 from about 40,000 in 2018. More broadly, the state has trailed the US in the percentage of residents 25 and over with a bachelor's degree or higher for years (see Exhibit 1).

Exhibit 1 Louisiana has lagged the US in educational attainment and made slower gains over the last decade

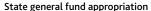
Percent of population aged 25 and over with bachelor's degree or higher

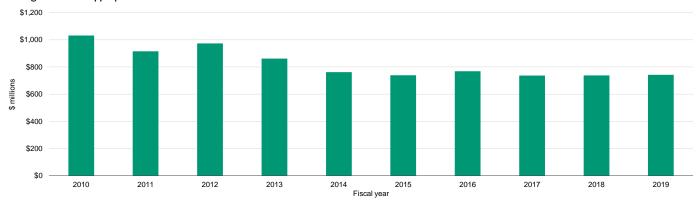


^{10%} 1968 1969 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 201 2002 2003 2004 2005 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017 Source: Moody's Analytics based on data from US Census Bureau: American Community Survey, Current Population Survey, and Population Estimates An action plan will follow the strategic plan and the state aims to take advantage of several national resources including participating in Attainment Academies. Over time, Regents will seek to increase formula funding for outcomes such as improved attainment of degrees and credentials. This would reward institutions that succeed in closing equity gaps by increasing attainment levels of adults as well as low-income and minority students. If Louisiana invests more funding towards this goal, the state may see an accelerated increase in attainment in order to reach its 2030 goal. Greater use of <u>dual-enrollment programs</u>, where high school students take college courses, is an initiative mentioned in the strategic plan that stands to help close the achievement gap. The strategic plan follows a period of funding cuts for state public higher education, where the fiscal year 2019 level is well below fiscal 2010 (see Exhibit 2).

Exhibit 2

Louisiana's efforts to improve the number of residents with degrees and credentials follows a significant drop in state higher education funding over the past decade





Additional funds were appropriated by the state in fiscal 2010 and 2011 from the Federal American Recovery and Reinvestment Act and in 2016 from the Higher Education Initiatives Fund. Source: Louisiana State University continuing disclosure with data for all of Louisiana public higher education

The master plan's focus on educational attainment and equity is credit positive for the state's diverse colleges and universities (see Exhibit 3). While an adjusted outcomes-based formula may benefit some of the state's public colleges and universities and lead to funding cuts for others, an increase in graduates who join the workforce has the potential to create a more favorable state funding environment. This is especially important since cuts in state support for higher education since 2009 have not been restored at levels similar to other states. Funding, however, for the state's extensive higher education system will continue to be vulnerable to cuts as the state grapples with competing funding needs.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moodys.com for the most updated credit rating action information and rating history.

Exhibit 3

New strategic plan to boost achievement levels will impact the state's diverse public colleges and universities

Louisiana public colleges and universities ranked by total number of degrees and awards granted in 2017-18

Institution	Number of degrees and awards granted (2017-18)	Total retention (2017-18)
LSU and A&M College	6,766	89.1%
University of Louisiana at Lafayette	3,330	84.8%
Baton Rouge Community College	2,392	54.2%
Delgado Community College	2,290	50.1%
Southeastern Louisiana University	2,133	76.3%
Louisiana Tech University	2,018	85.0%
Northwestern State University	1,850	79.0%
Sowela Technical Community College	1,694	55.8%
University of Louisiana at Monroe	1,688	79.1%
University of New Orleans	1,597	78.7%
Nicholls State University	1,442	81.3%
McNeese State University	1,365	78.0%
LSU in Shreveport	1,317	74.7%
South Louisiana Community College	1,222	47.5%
Southern University and A&M College	1,047	70.4%
Bossier Parish Community College	917	53.7%
South Central Louisiana Technical College	791	56.8%
Grambling State University	778	76.0%
Northwest Louisiana Technical College	769	49.3%
Northshore Technical Community College	759	51.5%
L.E. Fletcher Technical Community College	724	57.7%
Louisiana Delta Community College	571	43.9%
Central Louisiana Technical Community College	538	42.8%
Southern University in New Orleans	480	56.1%
River Parishes Community College	475	62.9%
LSU at Alexandria	453	67.4%
Elaine P. Nunez Community College	387	52.7%
LSU at Eunice	311	67.0%
Southern University in Shreveport	302	51.3%

"Number of degrees and awards granted" includes associate, bachelor's, master's and doctoral degrees, along with certificates, diplomas and other awards; "Total retention" includes percentage of first-time enrolled college students who remained at the same or different state public higher education institution for their second year. *Source: Louisiana Board of Regents, Higher Education State Fact Book, 2018-2019*

© 2019 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved. CREDIT RATINGS ISSUED BY MOODY'S INVESTORS SERVICE, INC. AND ITS RATINGS AFFILIATES ("MIS") ARE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MOODY'S PUBLICATIONS MAY INCLUDE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT OR IMPAIRMENT. SEE MOODY'S RATING SYMBOLS AND DEFINITIONS PUBLICATION FOR INFORMATION ON THE TYPES OF CONTRACTUAL FINANCIAL OBLIGATIONS ADDRESSED BY MOODY'S RATINGS. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S PUBLICATIONS DO NOT CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. NEITHER CREDIT RATINGS AND MOODY'S PUBLICATIONS COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS AND PUBLISHES MOODY'S PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE, HOLDING, OR SALE.

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER. ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WHITTEN CONSENT.

CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information. NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY CREDIT RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any rating, agreed to pay to Moody's Investors Service, Inc. for ratings opinions and services rendered by it fees ranging from \$1,000 to approximately \$2,700,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at www.moodys.com under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJKK or MSFJ (as applicable) for ratings opinions and services rendered by it fees ranging from JPY125,000 to approximately JPY250,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

REPORT NUMBER 1193050

MOODY'S INVESTORS SERVICE