

LEGISLATIVE MANDATE

West Virginia Code §18B-1B-4(d)

The Higher Education Policy Commission shall **examine the question of general revenue appropriations** to individual higher education institutions per student, and per credit hour, and by other relevant measures at all higher education institutions, including four-year baccalaureate institutions and the community and technical colleges, and on or before January 1, 2018, the Commission shall deliver its report to the Joint Committee on Government and Finance and the Legislative Oversight Commission on Education Accountability.

This report shall include a recommendation to the Legislature on a formula for the allocation of general revenue to be appropriated to such institutions that provides for ratable funding across all four-year institutions and community and technical colleges on a ratable basis, by enrolled student, by credit hour or by other relevant measures. On such basis, the Commission shall make a recommendation to the Legislature as to the amounts that each such institution should have appropriated to it in the general revenue budget for fiscal year 2019, based upon the total general revenue appropriations that such institutions receive in aggregate in the enacted budget for fiscal year 2018.

Senator Mitch Carmichael Senate President and Lieutenant Governor

Delegate Tim Armstead Speaker of the House



Senator Kenny Mann Chair, Senate Committee on Education



Delegate Paul Espinosa Chair, House Committee on Education



Senator Charles S. Trump IV Chair, Senate Committee on the Judiciary



LEGISLATIVE MANDATE

Senator Mitch Carmichael Senate President and Lieutenant Gover<u>nor</u>

Delegate Tim Armstead Speaker of the House



Senator Kenny Mann Chair, Senate Committee on Education



Delegate Paul Espinosa Chair, House Committee on Education



- "examine the question of general revenue appropriations to individual higher education institutions"
- "report shall include a recommendation to the Legislature on a formula for the allocation of general revenue"
- "the Commission shall make a recommendation to the Legislature as to the amounts that each such institution should have appropriated to it in the general revenue budget for Fiscal Year 2019."
- "on or before January 1, 2018... deliver its report to the Joint Committee on Government and Finance and the Legislative Oversight Commission on Education Accountability."



Senator Charles S. Trump IVChair, Senate Committee on the Judiciary



A NEW FORMULA MUST...

- focus state taxpayer dollars on educating West Virginia resident students;
- provide the Higher Education Policy Commission and West Virginia Council for Community and Technical College Education with a fair and equitable means of calculating recommended institutional funding levels;
- account for variations in the missions of the state's public institutions and the unique needs of their diverse student populations;
- be based upon reliable metrics drawn from existing data resources;
- be straightforward and easy to understand;
- be transparent and auditable;
- promote innovation and student success; and
- reward institutional successes with additional funding.



TIMELINE OF WORK TO DATE

Une 2017

Commission research staff begins review of other states' higher education funding models.

July 7, 2017

Effective date of House Bill 2815

August - October 2017

Funding model research continues. Commission staff use institutional data to conduct mathematical modeling exercises to determine the extent to which factors commonly used by other states will affect a potential model.

Factors are combined into hypothetical models that are later used in preliminary discussions with constituent groups.

Conversations are held with key legislative leaders and Governor's Office representatives to consider the factors that should be included in a preliminary draft of the funding framework and to discuss the possibility of an extended timeline for the research study.

November 2017

Nine web-based meetings are hosted with the executive leadership teams of each institution between November 8 and 28. Institutional leaders share initial impressions on the proposed framework, and are invited to submit more formal feedback as the process continues through the end of the year and into the second phase of the project.

December 2017

Commission programming and research staff continue mathematical modeling work.

December 29, 2017

A preliminary report on the status of the project is submitted to Legislative leadership as required by statute. The report includes a proposal for a modified timeline to extend the work through the end of 2018.

2018 (Next Slide)



TIMELINE OF WORK TO DATE

January 2018

Meetings are held with key legislative leaders, legislative staff members and Governor's Office representatives to gather feedback on the preliminary report submitted on December 29, 2017.

Institutions continue to offer feedback on the proposed framework.

Work begins on developing a funding framework proposal for the Community and Technical College System.

February 2018

Mathematical modeling work continues.

Preparations are made for a formal presentation to the Higher Education Policy Commission.

March 23, 2018

Funding model proposal is presented to the Higher Education Policy Commission as an information item for solicitation of comments.

Formal comment period begins.

Future Timeline Provided Later in Presentation

CURRENT FUNDING LEVELS

		2016-17 Ann Enroll		Base Appropriation per FTE	
	FY18 Base Budget	All Students	WV Residents	All Students	WV Residents
Four-Year Institutions	\$229,434,536	58,867	36,461	\$3,898	\$6,293
Bluefield State College	\$5,379,199	1,203	1,028	\$4,471	\$5,233
Concord University	\$8,278,077	2,217	1,842	\$3,734	\$4,494
Fairmont State University	\$14,579,417	3,639	3,171	\$4,006	\$4,598
Glenville State College	\$5,622,099	1,217	998	\$4,620	\$5,633
Marshall University*	\$54,940,572	12,125	8,864	\$4,531	\$6,198
Potomac State College of WVU	\$3,650,589	1,130	802	\$3,231	\$4,552
Shepherd University	\$9,360,954	3,163	2,039	\$2,960	\$4,591
West Liberty University	\$7,592,683	2,226	1,450	\$3,411	\$5,236
West Virginia State University**	\$9,514,960	2,252	1,938	\$4,225	\$4,910
West Virginia University***	\$103,079,979	28,579	13,507	\$3,607	\$7,632
WVU Institute of Technology	\$7,436,007	1,116	822	\$6,663	\$9,046

*In addition to its base budget of \$54,940,572, Marshall University receives \$3,443,152 in special-purpose funding. These appropriations are not subject to the proposed model: Luke Lee Lab (\$93,441), Vista (\$229,019), Brownfield PD (\$309,606), MUGC Writing Project (\$25,412), WV Autism Training Center (\$1,671,280), Lottery Funds - Rural Health Initiative and Rural Health Residency Program (\$560,107), Forensic Lab (\$235,104), Rural Health Outreach Program (\$163,219) and Center for Rural Health (\$155,964).

^{**} West Virginia State University's land grant match of \$1,584,947 is not included in FY18 base budget figures.

^{***} In addition to its base appropriation of \$103,079,979, West Virginia University receives \$28,154,323 in special-purpose funding. The following appropriations are not subject to the proposed model: Jackson's Mill (\$472,960); Brownfield PD (\$314,188); Rural Health Outreach Program (\$158,372); Soft Drink Tax Appropriation (\$15,935,640); Land Grant Match (\$7,871,000); Medical School Lottery Funds (\$3,402,163).

SIMPLE FTE-BASED REALLOCATION

		All Students		West Virginia Resid	ent Students
	FY18 Base Budget	FTE-Based Appropriation	Percent Difference	FTE-Based Appropriation	Percent Difference
Four-Year Institutions	\$229,434,536	\$229,434,536		\$229,434,536	
Bluefield State College	\$5,379,199	\$4,688,701	-12.8%	\$6,468,794	20.3%
Concord University	\$8,278,077	\$8,640,773	4.4%	\$11,590,972	40.0%
Fairmont State University	\$14,579,417	\$14,183,027	-2.7%	\$19,953,839	36.9%
Glenville State College	\$5,622,099	\$4,743,266	-15.6%	\$6,280,016	11.7%
Marshall University*	\$54,940,572	\$47,257,271	-14.0%	\$55,777,618	1.5%
Potomac State College of WVU	\$3,650,589	\$4,404,183	20.6%	\$5,046,666	38.2%
Shepherd University	\$9,360,954	\$12,327,814	31.7%	\$12,830,614	37.1%
West Liberty University	\$7,592,683	\$8,675,850	14.3%	\$9,124,272	20.2%
West Virginia State University**	\$9,514,960	\$8,777,185	-7.8%	\$12,195,061	28.2%
West Virginia University***	\$103,079,979	\$111,386,848	8.1%	\$84,994,166	-17.5%
WVU Institute of Technology	\$7,436,007	\$4,349,618	-41.5%	\$5,172,518	-30.4%

^{*}In addition to its base budget of \$54,940,572, Marshall University receives \$3,443,152 in special-purpose funding. These appropriations are not subject to the proposed model: Luke Lee Lab (\$93,441), Vista (\$229,019), Brownfield PD (\$309,606), MUGC Writing Project (\$25,412), WV Autism Training Center (\$1,671,280), Lottery Funds - Rural Health Initiative and Rural Health Residency Program (\$560,107), Forensic Lab (\$235,104), Rural Health Outreach Program (\$163,219) and Center for Rural Health (\$155,964).

^{**} West Virginia State University's land grant match of \$1,584,947 is not included in FY18 base budget figures.

^{***} In addition to its base appropriation of \$103,079,979, West Virginia University receives \$28,154,323 in special-purpose funding. The following appropriations are not subject to the proposed model: Jackson's Mill (\$472,960); Brownfield PD (\$314,188); Rural Health Outreach Program (\$158,372); Soft Drink Tax Appropriation (\$15,935,640); Land Grant Match (\$7,871,000); Medical School Lottery Funds (\$3,402,163).

Where a Pure FTE-Based Model Falls Short

- Results in dramatic reductions in appropriations at two institutions.
- Provides no way to account for the high-cost missions of our research institutions.
- Fails to recognize the variation in instructional costs across academic disciplines and at different academic levels.
- Does not drive state dollars toward state needs (high-demand fields, for example).

THE MISSION

OF PUBLIC HIGHER EDUCATION

West Virginia Code §18B-1-1a

- (1) State institutions of higher education. -- The institutions are the cornerstone of efforts to provide higher education services that meet the needs of state citizens. To varying degrees, and depending upon their missions, these institutions serve the state in three major ways: [Instruction, Public Service, Research]
 - (A) Instruction. -- By providing direct instruction to students along with the student services necessary to support the instructional mission. These services have two primary goals:
 - (i) To produce college graduates who have the knowledge, skills and desire to make valuable contributions to society; and
 - (ii) To provide opportunities for citizens to engage in life-long learning to enhance their employability and their overall quality of life.



West Virginia Code §18B-1D-3(a)(2)(B)(ii)

...establishing tuition and fee rates for out-of-state students at levels which, at a minimum, cover the full cost of instruction unless doing so is inconsistent with a clearly delineated public policy goal established by the Legislature, the commission or the council.

WEST VIRGINIA RESIDENT STUDENTS AS A PERCENTAGE OF TOTAL HEADCOUNT ENROLLMENT, BY YEAR

Bluefield State College
Concord University
Fairmont State University
Glenville State College
Marshall University
Potomac State College of WVU
Shepherd University
West Liberty University
West Virginia State University
West Virginia University

WVU Institute of Technology

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
	87.7%	88.1%	88.3%	89.5%	88.5%	88.5%	87.1%	86.8%	86.9%	85.8%
	81.9%	82.3%	81.5%	81.6%	83.0%	81.8%	81.3%	83.8%	84.2%	82.3%
8	92.1%	92.7%	92.0%	90.4%	90.2%	89.4%	88.5%	88.3%	87.9%	88.1%
	87.5%	89.8%	89.9%	87.8%	86.0%	86.9%	87.7%	85.6%	86.0%	86.8%
Ì	78.5%	77.3%	76.3%	75.8%	76.2%	76.0%	75.0%	74.7%	75.5%	75.8%
	74.1%	76.2%	75.4%	74.1%	71.8%	68.9%	69.3%	68.0%	73.6%	74.9%
	55.6%	57.7%	59.8%	59.8%	59.5%	59.9%	60.3%	60.0%	60.7%	60.9%
	68.3%	69.9%	69.0%	68.1%	70.6%	69.0%	67.9%	66.2%	67.0%	67.1%
1	89.6%	89.3%	89.8%	90.8%	91.3%	91.4%	91.1%	91.8%	90.9%	91.5%
١	54.3%	54.2%	53.0%	51.6%	50.1%	49.2%	48.7%	48.7%	48.4%	48.1%
١	88.1%	85.7%	88.1%	86.1%	86.4%	77.3%	76.6%	75.0%	78.7%	82.9%

INVESTING IN WEST VIRGINIA STUDENTS

Non-Resident Graduates who Remain in West Virginia 2014-15 Academic Year

	Non-Resident Graduates	Number of Non-Resident Graduates in WV Workforce	Percentage of Non-Resident Graduates in WV Workforce
Bluefield State College	27	5	18.5%
Concord University	89	16	18.0%
Fairmont State University	72	16	22.2%
Glenville State College	18	3	16.7%
Marshall University	727	172	23.7%
Potomac State College of WVU	80	23	28.8%
Shepherd University	345	52	15.1%
West Liberty University	187	47	25.1%
West Virginia State University	37	11	29.7%
West Virginia University	3,291	445	13.5%
WVU Institute of Technology	39	1	2.6%

West Virginia Taxpayer Dollars Supporting West Virginia Students



West Virginia Taxpayer Dollars Supporting West Virginia Students

WHAT COURSES ARE STUDENTS TAKING?

ARE STUDENTS MAKING SUFFICIENT PROGRESS TOWARD DEGREE COMPLETION?

HOW MANY STUDENTS ARE EARNING A COLLEGE DEGREE?

West Virginia Taxpayer Dollars Supporting West Virginia Students

ACCESS

WHAT COURSES ARE STUDENTS TAKING?

SUCCESS

ARE STUDENTS MAKING SUFFICIENT PROGRESS TOWARD DEGREE COMPLETION?

IMPACT

HOW MANY STUDENTS ARE EARNING A COLLEGE DEGREE?

A TALE OF FOUR STUDENTS

Low-Risk, High Achieving, Low Cost



- Bachelor's-seeking first-time freshman taking 15 hours of general education courses.
- PROMISE recipient.

HIGH-RISK, HIGH-COST, HIGH-DEMAND

- Minority bachelor's-seeking student with 95 hours completed.
- Taking 18 hours of upper-division courses.
- Pursuing a degree in Chemistry education.

HIGH-RISK, REQUIRES ADDITIONAL SUPPORT



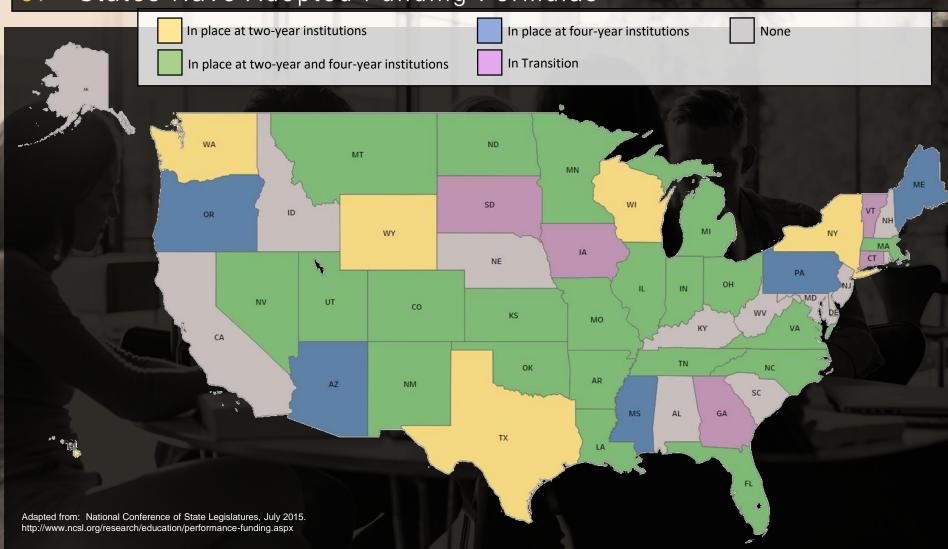
- Returning adult with some college but no degree.
- Requires remediation in math and English.

Low-Risk, High-Cost, High-Demand

- Graduate student pursuing a Ph.D. in Cancer Cell Biology.
- Taking 9 hours of 700-level major-specific courses.

FUNDING MODELS ACROSS THE COUNTRY

37+ States Have Adopted Funding Formulas



West Virginia Taxpayer Dollars Supporting West Virginia Students

	FY18 Base Budget
Four-Year Institutions	\$229,434,536
Bluefield State College	\$5,379,199
Concord University	\$8,278,077
Fairmont State University	\$14,579,417
Glenville State College	\$5,622,099
Marshall University*	\$54,940,572
Potomac State College of WVU	\$3,650,589
Shepherd University	\$9,360,954
West Liberty University	\$7,592,683
West Virginia State University**	\$9,514,960
West Virginia University***	\$103,079,979
WVU Institute of Technology	\$7,436,007

*In addition to its base budget of \$54,940,572, Marshall University receives \$3,443,152 in special-purpose funding. These appropriations are not subject to the proposed model: Luke Lee Lab (\$93,441), Vista (\$229,019), Brownfield PD (\$309,606), MUGC Writing Project (\$25,412), WV Autism Training Center (\$1,671,280), Lottery Funds - Rural Health Initiative and Rural Health Residency Program (\$560,107), Forensic Lab (\$235,104), Rural Health Outreach Program (\$163,219) and Center for Rural Health (\$155,964).

ACCESS
70%
\$160.6M

SUCCESS
5%
\$111.5M

^{**} West Virginia State University's land grant match of \$1,584,947 is not included in FY18 base budget figures.

^{***} In addition to its base appropriation of \$103,079,979, West Virginia University receives \$28,154,323 in special-purpose funding. The following appropriations are not subject to the proposed model: Jackson's Mill (\$472,960); Brownfield PD (\$314,188); Rural Health Outreach Program (\$158,372); Soft Drink Tax Appropriation (\$15,935,640); Land Grant Match (\$7,871,000); Medical School Lottery Funds (\$3,402,163).

West Virginia Taxpayer Dollars Supporting West Virginia Students

The Student-Focused Funding Model provides an objective and equitable means of distributing general appropriation funds to public four-year institutions based upon the courses attempted by West Virginia resident students [ACCESS], the progress resident students make toward on-time degree completion [SUCCESS], and the number of students who finish college with high-quality degrees [IMPACT].

ACCESS

70% of total funding

Weighted Credit-Hour Production

Credit hours attempted by West Virginia residents, weighted by academic discipline, course level and high-risk student status.

SUCCESS

5% of total funding

Momentum / Progress to Degree

Number of undergraduate *West Virginia resident* students who are on track for **on-time degree completion**, with additional credit awarded for students in high-risk populations.

IMPACT

25% of total funding

High-Quality Degree Production

Number of degrees completed by *West Virginia residents*, with additional credit awarded for degrees produced in high-demand fields and those earned by students in high-risk populations. Institutions are also rewarded for non-resident graduates who join West Virginia's workforce after graduation.

HIGH-RISK POPULATIONS



West Virginia Taxpayer Dollars Supporting West Virginia Students



HIGH-DEMAND FIELDS



EDUCATION



HEALTHCARE



Specific fields to be identified by West Virginia Department of Commerce and approved by the Commission and LOCEA.

DIFFERENTIATION



- Special-purpose funding excluded from model.
- University weighting table used for credit-hour production.
- 10 percent research institution weight applied across all measures.



- Special-purpose funding excluded from model.
- University weighting table used for credit-hour production.
- 10 percent research institution weight applied across all measures.



- Land-grant match excluded from model.
- University weighting table used for credit-hour production.
- 2.5 percent research institution weight applied across all measures.

DIFFERENTIATION

Special-Purpose Funding Excluded from Model Calculations

1	Later to the state of the state
West Virginia University	\$28,154,323
Jackson's Mill	\$472,960
Brownfield PD	\$314,188
Rural Health Outreach Program	\$158,372
Soft Drink Tax	\$15,935,640
Land Grant Match	\$7,871,000
Medical School Lottery Funds	\$3,402,163
Marshall University	\$3,443,152
Luke Lee Lab	\$93,441
Vista	\$229,019
Brownfield PD	\$309,606
MUGC Writing Project	\$25,412
WV Autism Training Center	\$1,671,280
Lottery Funds - Rural Health Initiative and Rural Health Residency Program	\$560,107
Forensic Lab	\$235,104
Rural Health Outreach Program	\$163,219
Center for Rural Health	\$155,964
West Virginia State University	\$1,584,947
Land Grant Match	\$1,584,947

DIFFERENTIATION

College weighting table used for credit-hour production.









University weighting table used for credit-hour production.















Funding Pools

ACCESS

70% of total funding

Weighted Credit-Hour Production

- · Distributes 70 percent of available general appropriation funding based upon the total number of credit hours West Virginia resident students attempt in a year.
- Because instructional costs vary by academic discipline and across academic levels, weighting factors are applied on a student-level basis to account for these cost variations.
- Credit hours attempted by students in high-risk populations, such as the economically disadvantaged, non-traditional (adult) students, academically underprepared students, and racial and ethnic minority students, are weighted at a higher rate than those taken by students with a greater chance of success.

Credit Hours Attempted





Weighting Factors Total Weighted Credit Hours

WEIGHTING TABLES

UNIVERSITY TABLE

Discipline Clusters	Lower Division	Upper Division	Masters	Doctor
peral Arts, Math, Social Science, Languages, Other	1.0	2.2	4.4	5.5
05. Area, Ethnic, Cultural & Gender Studies	1.0	2.2	4.4	5.5
09. Communication, Journalism and related programs	1.0	2.2	4.4	5.5
16. Foreign Languages, Literature and Linguistics	1.0	2.2	4.4	5.5
19. Family and Consumer Sciences/Human Sciences	1.0	2.2	4.4	5.5
23. English Language & Literature/Letters	1.0	2.2	4.4	5.5
24. Liberal Arts & Sciences, General Studies and Humanities	1.0	2.2	4.4	5.5
25. Library Science	1.0	2.2	4.4	5.5
27. Mathematics & Statistics	1.0	2.2	4.4	5.5
28. Reserve Officer Training Corps	1.0	2.2	4.4	5.5
29. Military Technologies	1.0	2.2	4.4	5.5
30. Multi/Interdisciplinary Studies	1.0	2.2	4.4	5.5
38. Philosophy & Religious Studies	1.0	2.2	4.4	5.5
42. Psychology and Applied Psychology	1.0	2.2	4.4	5.5
42. Psychology and Applied Psychology 45. Social Sciences	1.0	2.2	4.4	5.5
	0.000			202
54. History	1.0	2.2	4.4	5.5
99. Honors Curriculum and Other	1.0	2.2	4.4	5.5
sic Skills Cluster	1.5			
32. Basic Skills	1.5			
isiness Cluster (Business, Public Administration)	1.0	22	4.4	6.6
44. Public Administration & Social Service Professions	1.0	2.2	4.4	6.6
52. Business Management, Marketing & related support services	1.0	2.2	4.4	6.6
ucation Cluster 13. Education	1.5	2.2	2.75	5.5 5.5
13. Education	1.5	2.2	2.75	5.5
rvices Cluster (Personal, Protective, Recreation)	1.5	2.2	3.3	4.4
31. Parks, Recreation, Leisure & Fitness Studies	1.5	2.2	3.3	4.4
12. Personal & Culinary Services	1.5	2.2	3.3	4.4
43. Security and Protective Services	1.5	2.2	3.3	4.4
sual and Performing Arts Cluster	1.5	2.75	5.5	5.5
50. Visual & Performing Arts	1.5	2.75	5.5	5.5
ades/Tech Cluster (Construction, Mechanic Tech, Precision Production	2.0	2.75		
46. Construction Trades	2.0	2.75		
	2.0	2.75		
47. Mechanic Repair Technologies/Technicians				
48. Precision Production 49. Transportation & Materials Moving	2.0	2.75 2.75		
	***	2.70		
iences Cluster (Agriculture, Computer, Biology, Physical)	2.0	3.3	5.5	8.8
01. Agricultural, Agriculture Operations & related sciences	2.0	3.3	5.5	8.8
03. Natural Resources & Conservation	2.0	3.3	5.5	8.8
 Computer & Information Sciences & Support Services 	2.0	3.3	5.5	8.8
26. Biological & Biomedical Sciences	2.0	3.3	5.5	8.8
40. Physical Sciences	2.0	3.3	5.5	8.8
w Cluster	2.0	2.2	4.4	4.4
22. Legal Professions and Studies	2.0	2.2	4.4	4.4
gineering/Architecture Cluster	20	3.3	5.5	8.8
04. Architecture Cluster	2.0	3.3	5.5	8.8
14. Engineering	2.0	3.3	5.5	8.8
15. Engineering Technologies/Technicians	2.0	3.3	5.5	8.8
alth Cluster	2.0	2.2	5.5	6.6

COLLEGE TABLE

	Discipline Clusters	Lower Division	Upper Division
iberal	Arts, Math, Social Science, Languages, Other	1.0	2.0
	Area, Ethnic, Cultural & Gender Studies	1.0	2.0
	Communication, Journalism and related programs	1.0	2.0
	Foreign Languages, Literature and Linguistics	1.0	2.0
	Family and Consumer Sciences/Human Sciences	1.0	2.0
	English Language & Literature/Letters	1.0	2.0
	Liberal Arts & Sciences, General Studies and Humanities	1.0	2.0
	Library Science		2.0
	Mathematics & Statistics	1.0	2.0
	Reserve Officer Training Corps	1.0	2.0
	Military Technologies	1.0	2.0
	Multi/Interdisciplinary Studies	1.0	2.0
	Philosophy & Religious Studies	1.0	2.0
42	Psychology and Applied Psychology	1.0	2.0
45.	Social Sciences	1.0	2.0
54.	History	1.0	2.0
	Honors Curriculum and Other	1.0	2.0
asic S	kills Cluster	1.5	
	Basic Skills	1.5	
	Charter (Carrier or Duble Administration)	7.0	
	s Cluster (Business, Public Administration)	1.0	2.0
	Public Administration & Social Service Professions	1.0	2.0
52.	Business Management, Marketing & related support services	1.0	2.0
ducati	on Cluster	1.5	2.0
13.	Education	1.5	2.0
ervices	s Cluster (Personal, Protective, Recreation)	1.5	2.0
	Parks, Recreation, Leisure & Fitness Studies	1.5	2.0
	Leisure and Recreational Activities	1.5	2.0
	Personal & Culinary Services		2.0
		1.5	
43.	Security and Protective Services	1.5	2.0
	nd Performing Arts Cluster	1.5	2.5
50.	Visual & Performing Arts	1.5	2.5
rades/	Tech Cluster (Construction, Mechanic Tech, Precision Production	2.0	2.5
46.	Construction Trades	2.0	2.5
47	Mechanic Repair Technologies/Technicians	2.0	2.5
	Precision Production	2.0	2.5
	Transportation & Materials Moving	2.0	2.5
cience	s Cluster (Agriculture, Computer, Biology, Physical)	2.0	3.0
	Agricultural, Agriculture Operations & related sciences	2.0	3.0
		2.0	
	Natural Resources & Conservation		3.0
	Computer & Information Sciences & Support Services	2.0	3.0
	Biological & Biomedical Sciences	2.0	3.0
40.	Physical Sciences	2.0	3.0
aw Clu	ster	2.0	2.0
	Legal Professions and Studies	2.0	2.0
nginee	ring/Architecture Cluster	2.0	3.0
	Architecture	2.0	3.0
	Engineering	2.0	3.0
			-
15.	Engineering Technologies/Technicians	2.0	3.0
			* *
ealth C	Cluster	2.0	2.0

Source: Nevada System of Higher Education

WEIGHTING TABLES

COLLEGE TABLE - ENLARGED VIEW

Discipline Clusters	Lower Division	Upper Division
peral Arts, Math, Social Science, Languages, Other	1.0	2.0
05. Area, Ethnic, Cultural & Gender Studies	1.0	2.0
09. Communication, Journalism and related programs	1.0	2.0
16. Foreign Languages, Literature and Linguistics	1.0	2.0
19. Family and Consumer Sciences/Human Sciences	1.0	2.0
23. English Language & Literature/Letters	1.0	2.0
24. Liberal Arts & Sciences, General Studies and Humanities	1.0	2.0
25. Library Science	1.0	2.0
27. Mathematics & Statistics	1.0	2.0
28. Reserve Officer Training Corps	1.0	2.0
29. Military Technologies	1.0	2.0
30. Multi/Interdisciplinary Studies	1.0	2.0
38. Philosophy & Religious Studies	1.0	2.0
42. Psychology and Applied Psychology	1.0	2.0
45. Social Sciences	1.0	2.0
54. History	1.0	2.0
99. Honors Curriculum and Other	1.0	2.0
sic Skills Cluster	1.5	
32. Basic Skills	1.5	
isiness Cluster (Business, Public Administration)	1.0	2.0
44. Public Administration & Social Service Professions	1.0	2.0
52. Business Management, Marketing & related support services	1.0	2.0
lucation Cluster	1.5	2.0
13. Education	1.5	2.0



WEIGHTING TABLES

University Table - Enlarged View

Discipline Clusters	Lower Division	Upper Division	Masters	Doctoral
neval Arta Math. Social Science Languages Other	1.0	2.2	4.4	5.5
peral Arts, Math, Social Science, Languages, Other 05. Area, Ethnic, Cultural & Gender Studies	1.0	2.2	4.4	5.5
	1.0	2.2	4.4	5.5 5.5
09. Communication, Journalism and related programs	1.0	2.2	4.4 4.4	5.5 5.5
16. Foreign Languages, Literature and Linguistics		2.2		
19. Family and Consumer Sciences/Human Sciences	1.0		4.4 4.4	5.5 5.5
23. English Language & Literature/Letters	1.0	2.2	100	
24. Liberal Arts & Sciences, General Studies and Humanities	1.0	2.2	4.4	5.5
25. Library Science	1.0	2.2	4.4	5.5
27. Mathematics & Statistics	1.0	2.2	4.4	5.5
28. Reserve Officer Training Corps	1.0	2.2	4.4	5.5
29. Military Technologies	1.0	2.2	4.4	5.5
30. Multi/Interdisciplinary Studies	1.0	2.2	4.4	5.5
38. Philosophy & Religious Studies	1.0	2.2	4.4	5.5
42. Psychology and Applied Psychology	1.0	2.2	4.4	5.5
45. Social Sciences	1.0	2.2	4.4	5.5
54. History	1.0	2.2	4.4	5.5
99. Honors Curriculum and Other	1.0	2.2	4.4	5.5
sic Skills Cluster	1.5			
32. Basic Skills	1.5			
isiness Cluster (Business, Public Administration)	1.0	2.2	4.4	6.6
44. Public Administration & Social Service Professions	1.0	2.2	4.4	6.6
52. Business Management, Marketing & related support services	1.0	2.2	4.4	6.6
lucation Cluster	1.5	2.2	2.75	5.5
13. Education	1.5	2.2	2.75	5.5

Funding Pools

ACCESS

Weighted Credit-Hour Production

70% of total funding

Number of Credit Hours Attempted in Each Course

- X Discipline / Level Weighting Factor (See weighting tables)
- X High-Risk Population Weighting Factor (1.50)
- X Research Institution Weighting Factor (Varies by Institution)
- = Total Weighted Credit Hours Attempted

FUNDING POOLS

ACCESS

Weighted Credit-Hour Production

70% of total funding

	Weighted Credit- Hour Production	Share of System Total	ACCESS Pool Share
Four-Year Institutions	2,706,049	1.000000	\$160,604,175
Bluefield State College	67,732	0.025030	\$4,019,888
Concord University	121,320	0.044833	\$7,200,364
Fairmont State University	202,179	0.074714	\$11,999,363
Glenville State College	54,000	0.019955	\$3,204,899
Marshall University*	674,349	0.249200	\$40,022,641
Potomac State College of WVU	41,466	0.015323	\$2,460,980
Shepherd University	147,206	0.054399	\$8,736,694
West Liberty University	103,029	0.038074	\$6,114,799
West Virginia State University*	119,760	0.044256	\$7,107,749
West Virginia University*	1,121,975	0.414617	\$66,589,299
WVU Institute of Technology	53,033	0.019598	\$3,147,499

WEIGHTED CREDIT-HOUR RATE: \$59.35

Funding Pools

SUCCESS

5% of total funding

Rewarding Institutions that Help Students Finish on Time

- The SUCCESS pool rewards institutions that adopt proven solutions to help students gain and maintain the
 momentum they need in order to graduate on time. Funds in this pool are distributed based on the number of
 first-time, full-time freshmen in a fall entry cohort who complete at least 30 hours by the end of their freshman
 year of college, at least 60 by the end of their sophomore year, and 90 or more by the end of their junior year.
- Taking 15 credit hours or more per semester is essential to completing a degree on time within two years for an associate's degree or four years for a bachelor's degree.
- Taking a full course load increase the likelihood that a student will graduate on time, research has shown taking 15 credit hours actually improves academic outcomes. In addition, it reduces student loan debt, saves students money on tuition, and improves students' employment prospects by allowing them to earn a degree and begin their professional careers in the shortest time possible.

30 60 90 120

Funding Pools

SUCCESS

5% of total funding

Rewarding Institutions that Help Students Finish on Time

1 Momentum Milestone Achieved

- X High-Risk Population Weighting Factor (1.50)
- X Research Institution Weighting Factor (Varies by Institution)
- = Total Weighted Momentum Milestones Achieved

FUNDING POOLS

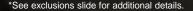
SUCCESS

5% of total funding

Rewarding Institutions that Help Students Finish on Time

	Weighted Momentum Milestones Achieved	Share of System Total	SUCCESS Pool Share
Four-Year Institutions	11,408	1.000000	\$11,471,727
Bluefield State College	141	0.012316	\$141,282
Concord University	501	0.043886	\$503,453
Fairmont State University	856	0.074990	\$860,261
Glenville State College	261	0.022849	\$262,117
Marshall University*	2,727	0.239013	\$2,741,893
Potomac State College of WVU	163	0.014288	\$163,907
Shepherd University	604	0.052962	\$607,563
West Liberty University	510	0.044731	\$513,140
West Virginia State University*	299	0.026173	\$300,244
West Virginia University*	5,133	0.449903	\$5,161,166
WVU Institute of Technology	216	0.018890	\$216,699

WEIGHTED
MOMENTUM
MILESTONE RATE:
\$1,006



Funding Pools

IMPACT

25% of total funding

High-Quality Degree Production

- College graduates have a significant positive impact on the state's economy.
- Their earnings tend to be higher than those of high school graduates without a postsecondary credential.
- Additionally, employers looking to relocate to West Virginia are more likely to do so if they can draw new employees from a highly skilled and educated workforce.
- Because of the important role that educational attainment plays in economic growth, the IMPACT pool rewards institutions for helping West Virginia residents achieve the college dream.
- The model rewards institutions that graduate non-resident students
 who decide to join West Virginia's workforce. The model also
 drives additional dollars toward degrees in high-demand fields such
 as teacher education, engineering and healthcare.



Funding Pools

IMPACT

25% of total funding

High-Quality Degree Production



- X High-Risk Population Weighting Factor (1.50)
- X High-Demand Field Weighting Factor (Varies by Discipline)
- X Research Institution Weighting Factor (Varies by Institution)
- Total Weighted Degree Production
- If a student earns multiple degrees at the same institution within the same academic year, the institution receives credit for the highest-scoring degree awarded.
- Institutions receive credit for degrees granted to non-resident graduates who remain and earn wages in West Virginia two years after graduation.

Funding Pools

IMPACT

25% of total funding

High-Quality Degree Production

	Weighted Degree Production	Share of System Total	IMPACT Pool Share	
Four-Year Institutions	12,314	1.000000	\$57,358,634	
Bluefield State College	408	0.033141	\$1,900,951	
Concord University	595	0.048295	\$2,770,143	
Fairmont State University	1,047	0.084985	\$4,874,651	
Glenville State College	253	0.020546	\$1,178,487	
Marshall University*	2,925	0.237547	\$13,625,361	
Potomac State College of WVU	298	0.024192	\$1,387,634	
Shepherd University	734	0.059640	\$3,420,873	
West Liberty University	560	0.045477	\$2,608,509	
West Virginia State University*	577	0.046839	\$2,686,613	
West Virginia University*	4,748	0.385621	\$22,118,666	
WVU Institute of Technology	169	0.013716	\$786,745	

WEIGHTED DEGREE PRODUCTION RATE: \$4,658

*See exclusions slide for additional details.

TOTAL FUNDING - PROPOSED MODEL

	FY18 Base Budget*	ACCESS Pool Funds	SUCCESS Pool Funds	IMPACT Pool Funds	New Base Budget (Proposed Model)	Difference from FY 2018 Base Budget	Percent Difference
Four-Year Institutions	\$229,434,536	\$160,604,175	\$11,471,727	\$57,358,634	\$229,434,536	\$0	0.0%
Bluefield State College	\$5,379,199	\$4,019,888	\$141,282	\$1,900,951	\$6,062,121	\$682,922	12.7%
Concord University	\$8,278,077	\$7,200,364	\$503,453	\$2,770,143	\$10,473,961	\$2,195,884	26.5%
Fairmont State University	\$14,579,417	\$11,999,363	\$860,261	\$4,874,651	\$17,734,276	\$3,154,859	21.6%
Glenville State College	\$5,622,099	\$3,204,899	\$262,117	\$1,178,487	\$4,645,504	(\$976,595)	-17.4%
Marshall University*	\$54,940,572	\$40,022,641	\$2,741,893	\$13,625,361	\$56,389,894	\$1,449,322	2.6%
Potomac State College of WVU	\$3,650,589	\$2,460,980	\$163,907	\$1,387,634	\$4,012,521	\$361,932	9.9%
Shepherd University	\$9,360,954	\$8,736,694	\$607,563	\$3,420,873	\$12,765,130	\$3,404,176	36.4%
West Liberty University	\$7,592,683	\$6,114,799	\$513,140	\$2,608,509	\$9,236,448	\$1,643,765	21.6%
West Virginia State University*	\$9,514,960	\$7,107,749	\$300,244	\$2,686,613	\$10,094,607	\$579,647	6.1%
West Virginia University*	\$103,079,979	\$66,589,299	\$5,161,166	\$22,118,666	\$93,869,132	(\$9,210,847)	-8.9%
WVU Institute of Technology	\$7,436,007	\$3,147,499	\$216,699	\$786,745	\$4,150,943	(\$3,285,064)	-44.2%

^{*}See exclusions slide for additional details.

TOTAL REVENUE EFFECT

	FY18 Operating Revenue (Projected)	FY18 Non- Operating Revenue (Projected)	FY18 Total Operating and Non-Operating Revenue (Projected)	Proposed Funding Model Effect	Estimated Revenue Under Proposed Model	Funding Model Effect on Total Revenue (Percent Change)
Four-Year Institutions	\$1,214,226,059	\$442,849,959	\$1,657,076,018	\$0	\$1,657,076,018	0.0%
Bluefield State College	\$13,297,000	\$9,331,000	\$22,628,000	\$682,922	\$23,310,922	3.0%
Concord University	\$27,050,000	\$13,164,000	\$40,214,000	\$2,195,884	\$42,409,884	5.5%
Fairmont State University	\$78,678,059	\$21,053,959	\$99,732,018	\$3,154,859	\$102,886,877	3.2%
Glenville State College	\$18,571,000	\$5,622,000	\$24,193,000	(\$976,595)	\$23,216,405	-4.0%
Marshall University*	\$190,392,000	\$83,373,000	\$273,765,000	\$1,449,322	\$275,214,322	0.5%
Potomac State College of WVU	**	**	**	**	**	**
Shepherd University	\$38,399,000	\$16,296,000	\$54,695,000	\$3,404,176	\$58,099,176	6.2%
West Liberty University	\$32,197,000	\$11,223,000	\$43,420,000	\$1,643,765	\$45,063,765	3.8%
West Virginia State University*	\$29,918,000	\$16,073,000	\$45,991,000	\$579,647	\$46,570,647	1.3%
West Virginia University*	\$785,724,000	\$266,714,000	\$1,052,438,000	(\$12,133,979)	\$1,040,304,021	-1.2%
WVU Institute of Technology	**	**	**	**	**	**

^{*}See exclusions slide for additional details.

^{**}West Virginia University submits a single, combined audited financial report for its main campus, Potomac State College of WVU and WVU Institute of Technology. Therefore, separate revenue figures for these campuses are unavailable.

TOTAL FUNDING - PROPOSED MODEL

with Hold-Harmless Provision Dollars Applied

	FY18 Base Budget*	New Base Budget (Proposed Model)	Difference from FY 2018 Base Budget	Hold-Harmless Provision Dollars	New Base Budget with Hold- Harmless (Proposed Model)	Difference from FY 2018 Base Budget	Percent Difference
Four-Year Institutions	\$229,434,536	\$229,434,536	\$0	\$13,472,506	\$242,907,042	\$13,472,506	5.9%
Bluefield State College	\$5,379,199	\$6,062,121	\$682,922	\$0	\$6,062,121	\$682,922	12.7%
Concord University	\$8,278,077	\$10,473,961	\$2,195,884	\$0	\$10,473,961	\$2,195,884	26.5%
Fairmont State University	\$14,579,417	\$17,734,276	\$3,154,859	\$0	\$17,734,276	\$3,154,859	21.6%
Glenville State College	\$5,622,099	\$4,645,504	(\$976,595)	\$976,595	\$5,622,099	\$0	0.0%
Marshall University*	\$54,940,572	\$56,389,894	\$1,449,322	\$0	\$56,389,894	\$1,449,322	2.6%
Potomac State College of WVU	\$3,650,589	\$4,012,521	\$361,932	\$0	\$4,012,521	\$361,932	9.9%
Shepherd University	\$9,360,954	\$12,765,130	\$3,404,176	\$0	\$12,765,130	\$3,404,176	36.4%
West Liberty University	\$7,592,683	\$9,236,448	\$1,643,765	\$0	\$9,236,448	\$1,643,765	21.6%
West Virginia State University*	\$9,514,960	\$10,094,607	\$579,647	\$0	\$10,094,607	\$579,647	6.1%
West Virginia University*	\$103,079,979	\$93,869,132	(\$9,210,847)	\$9,210,847	\$103,079,979	\$0	0.0%
WVU Institute of Technology	\$7,436,007	\$4,150,943	(\$3,285,064)	\$3,285,064	\$7,436,007	\$0	0.0%

*See exclusions slide for additional details

MODEL COMPARISON

FTE-Based and Student-Focused Models

		_	TE David Madel		Student-Focused Model			
	FY18 Base Budget*	FTE-Based Appropriation	TE-Based Model Difference from FY18 Base Budget	Percent Difference from FY18 Base Budget	New Base Budget with Hold-Harmless	Difference from FY 2018 Base Budget	Percent Difference from FY18 Base Budget	
Four-Year Institutions	\$229,434,536	\$229,434,536	\$0	0.0%	\$242,907,042	\$13,472,506	5.9%	
Bluefield State College	\$5,379,199	\$6,468,794	\$1,089,595	20.3%	\$6,062,121	\$682,922	12.7%	
Concord University	\$8,278,077	\$11,590,972	\$3,312,895	40.0%	\$10,473,961	\$2,195,884	26.5%	
Fairmont State University	\$14,579,417	\$19,953,839	\$5,374,422	36.9%	\$17,734,276	\$3,154,859	21.6%	
Glenville State College	\$5,622,099	\$6,280,016	\$657,917	11.7%	\$5,622,099	\$0	0.0%	
Marshall University*	\$54,940,572	\$55,777,618	\$837,046	1.5%	\$56,389,894	\$1,449,322	2.6%	
Potomac State College of WVU	\$3,650,589	\$5,046,666	\$1,396,077	38.2%	\$4,012,521	\$361,932	9.9%	
Shepherd University	\$9,360,954	\$12,830,614	\$3,469,660	37.1%	\$12,765,130	\$3,404,176	36.4%	
West Liberty University	\$7,592,683	\$9,124,272	\$1,531,589	20.2%	\$9,236,448	\$1,643,765	21.6%	
West Virginia State University*	\$9,514,960	\$12,195,061	\$2,680,101	28.2%	\$10,094,607	\$579,647	6.1%	
West Virginia University*	\$103,079,979	\$84,994,166	-\$18,085,813	-17.5%	\$103,079,979	\$0	0.0%	
WVU Institute of Technology	\$7,436,007	\$5,172,518	-\$2,263,489	-30.4%	\$7,436,007	\$0	0.0%	

^{*}See exclusions slide for additional details.

RATE-BASED APPROPRIATIONS

Beginning Fiscal Year 2020

Weighted Credit-Hour Rate

Weighted Momentum Milestone Rate

Weighted Degree Production Rate

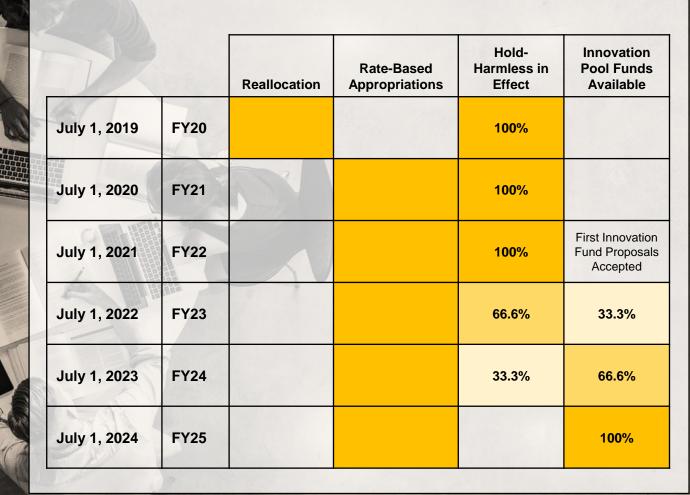
\$59.35

\$1,006

\$4,658

Rates will be adjusted annually for inflation.

PROPOSED IMPLEMENTATION TIMELINE



INNOVATION POOL

Beginning Fiscal Year 2023

ACCESS

Weighted Credit-Hour Production

SUCCESS

Momentum / Progress to Degree

IMPACT

High-Quality Degree Production

INNOVATION

Former Hold-Harmless Funds / New Money

Initiatives to Promote Student Success

70% of total funding

5% of total funding

25% of total funding

INNOVATION POOL

Beginning Fiscal Year 2023

INNOVATION

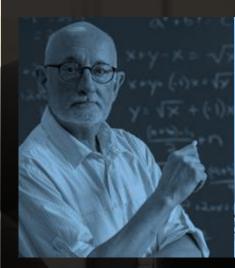
Former Hold-Harmless Funds / New Money

Initiatives to Promote Student Success

- Supported by former hold-harmless funds, beginning in Fiscal Year 2023.
- Institutions apply for innovation funds. Applications reviewed and approved by the Commission.
- Single- or multi-year awards available (pending availability of funding).
- Innovation Pool funds may be used to support innovative initiatives focused on improving student outcomes.
- Proposed initiatives must align with and support the Commission's Master Plan.
- All proposed initiatives must be STUDENT-FOCUSED.

INNOVATION POOL

Examples of Student-Focused Initiatives



Offering micro-grants to faculty who adopt opensource textbooks in general education courses.



Funding training on academic advising for faculty and student support staff.

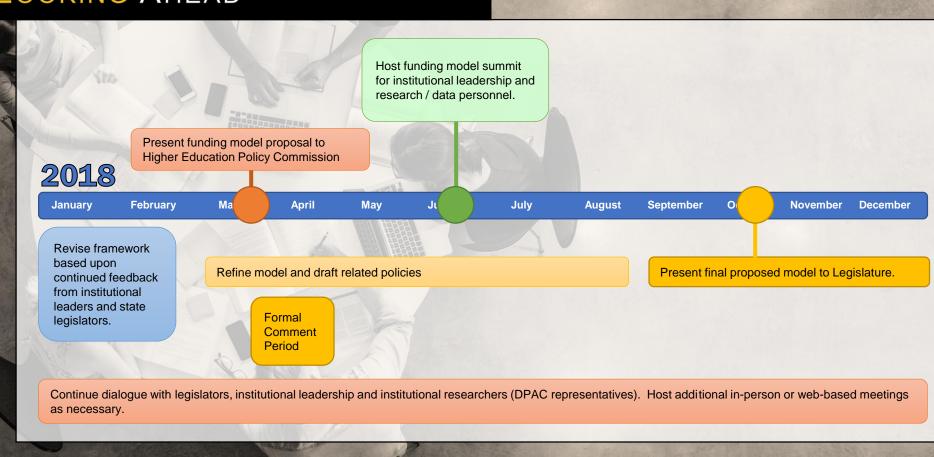


Supporting efforts to develop innovative degree programs aimed at returning adult students.

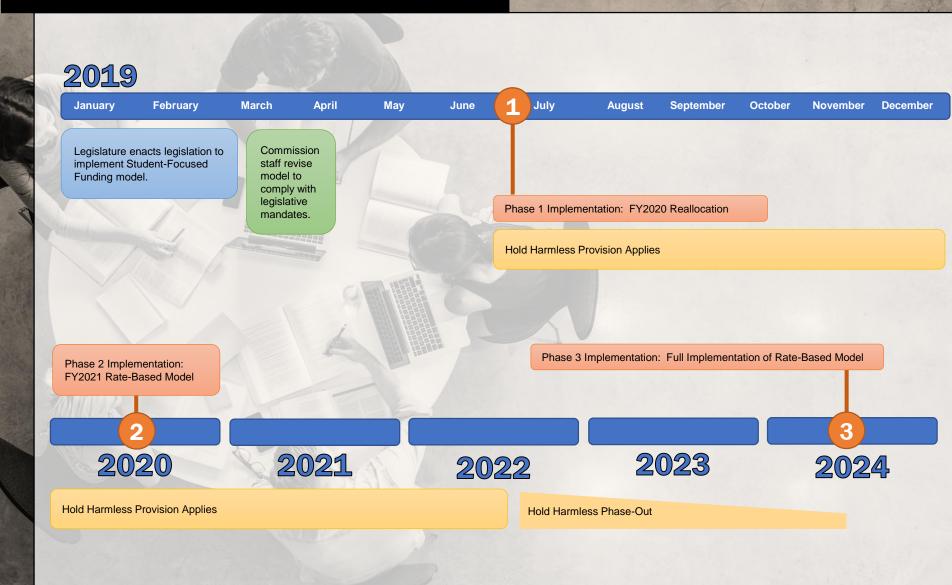


Providing funds to support strategic course scheduling initiatives designed to improve efficiency and reduce time to degree completion.

LOOKING AHEAD



LOOKING AHEAD



COMMUNITY AND TECHNICAL COLLEGE FUNDING STUDY

Conduct mathematical modeling exercises and develop a series of hypothetical models to facilitate future discussions with Council members and CTC presidents.

Continue dialogue with legislators, institutional leadership and institutional researchers (DPAC representatives). Host additional in-person or web-based meetings as necessary.

> Refine proposed model based on Council and institutional feedback.

2018

January

February

March

May

June

July

Aug

nber

October

Present final report on proposed CTC funding

model to Higher Education Policy Commission.

November

December

Initial meeting with CTC Council of Presidents.

Provide progress report to Council for Community and Technical College Education.

Present recommendations to Council for Community and Technical College Education

> Present final report and recommendations to CCTCE for approval.

COMMENT PERIOD

March 23, 2018 to April 27, 2018



A copy of this presentation is available for download at:

http://www.wvhepc.edu/resources/reports-and-publications/

Formal written comments may be submitted by email to the:

Office of the Chancellor at chancellor@wvhepc.edu

For questions or additional information, contact:

Dr. Chris Treadway, Senior Director of Research and Policy at chris.treadway@wvhepc.edu or (304) 558-1112.



Student-Focused Funding for West Virginia Public Higher Education