**West Virginia Select Legislative Committee for**

**Outcomes Based Funding in Higher Education**

**Draft**

**Funding**

**Formulas**

Jimmy

Clarke, Ph.D.

Senior Associate



October 9th, 2012



**Outcomes-Based Funding Metrics**

 Two formulas, CTCS and HEPC, developed around “points”

 Points = Outcomes Metric\*Weight Multiplier

 Outcomes Metrics are based on the numbers of students or degrees in

priority categories.

 Weight multipliers are applied based on progression towards degree,

cost of delivery and contribution to state priorities.

 Outcomes Metrics:

¾ Developmental Education Success

¾ Momentum Points

¾ Degree Completion

¾ On-time Completion

¾ Transfer (HEPC only)

**Developmental Education Success**

 Four

data

points:

Developmental Education Success

# of students successfully completing a college‐

# of students that enrolled in and successfully completed developmental education

level gateway course w/in one year of completing developmental education

Metric

Weight

Math English Math English

Multiplier 1.00 1.00 1.50 1.50

M l i li 1 00 1 50



 Share of total formula points:

¾ CTCS: 21.0%

¾ HEPC: 4.7%

**Momentum Points**

CTCS: Momentum Points

# of undergraduate degree‐seeking students who successfully complete 15‐

29CH

# of undergraduate degree‐seeking students who successfully complete

30‐44CH

# of undergraduate degree‐seeking students who successfully complete

45‐59CH

Metric

Weight

Total Adults Pell Total Adults Pell Total Adults Pell

Multiplier 1.00 1.25 1.25 1.25 1.50 1.50 1.50 1.75 1.75

HEPC: Momentum Points

# of undergraduate degree‐seeking students who successfully complete 30‐

59CH

# of undergraduate degree‐seeking students who successfully complete

60‐89CH

# of undergraduate degree‐seeking students who successfully complete

90‐119CH

Metric

Weight

Total Adults Pell Total Adults Pell Total Adults Pell

Multiplier 1.00 1.25 1.25 1.25 1.50 1.50 1.50 1.75 1.75

W i ht



Share of Formula Points: CTCS – 45.6%, HEPC 40.1%



**Degree Completion**

HEPC: Degree Completion

# of Associate's Degrees Conferred # of Bachelor's Degrees Conferred

# of master's degrees conferred

# of doctoral degrees conferred

Metric

Weight

Total Adults Pell

In STEM

Field Total Adults Pell

In STEM

Field Total

In STEM

Field Total

In STEM Field

Multiplier 2.00 2.25 2.25 3.00 3.00 3.25 3.25 4.00 3.50 4.50 4.00 5.00

CTCS: Degree Completion

# of 1 year certificates conferred # of Associate's Degrees Conferred

Metric

Weight

Total Adults Pell

In STEM

Field Total Adults Pell

In STEM Field

Multiplier 2.00 2.25 2.25 3.00 3.00 3.25 3.25 4.00

Multiplier 2 25 3 00 3 25 4 00



Share of Formula Points: CTCS – 29.5%, HEPC 37.1%



**On-time Completion**

 Two

data

points

per

system:

number of

students

graduating on-time, number of students graduating within one year of on-time.

 Share of total formula points:

¾ CTCS: 4.0%

¾ HEPC: 18.1%

On‐Time Graduation: HEPC

Bachelor's Degrees

On‐Time Graduation: CTCS

Associate's Degrees

# earned in 4

# earned in 5

# earned in 2 # earned in 3

Metric

Weight

years years

Metric years years

Weight

Multiplier 4.00 3.25



Multiplier 4.00 3.25

**Transfer**

 HEPC

only

 Number of students transferring into an HEPC institution

who previously attended a CTCS institution (weight 2.0)

 Share of total formula points: 1.9%

Metric

Weight

Transfer

# of students who had previously enrolled at a

CTCS institution

Multiplier 2.0

l l



**HEPC ‐ DRAFT FUNDING FORMULAS**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Developmental Education Success | | Momentum Points | | Degree Completion | | On‐time Completion | | Transfer | | Totals | |  |
|  | Developmental  Success Points | Share of Developmental Success Points | Momentum  Points | Share of  Points | Degree Completion Points | Share of  Points | On‐Time Completion Points | Share of  Points | Transfer  Points | Share of  Points | Total points | Share of total points | **Share of System FTE** |
| Bluefield State  College | 567.33 | 10.53% | 1,677.46 | 3.67% | 1,070.08 | 2.53% | 229.33 | 1.11% | 128.00 | 5.94% | 3,544.21 | 3.11% | 2.84% |
| Concord University | 729.33 | 13.53% | 2,086.46 | 4.57% | 1,325.83 | 3.13% | 945.75 | 4.58% | 40.00 | 1.86% | 5,087.38 | 4.46% | 4.53% |
| Fairmont State  University | 575.33 | 10.67% | 3,777.54 | 8.27% | 2,670.67 | 6.31% | 890.75 | 4.31% | 618.00 | 28.66% | 7,914.29 | 6.94% | 6.75% |
| Glenville State  College | 500.83 | 9.29% | 975.38 | 2.14% | 613.25 | 1.45% | 346.33 | 1.68% | 0.00 | 0.00% | 2,435.79 | 2.14% | 2.35% |
| Marshall University | 769.17 | 14.27% | 8,166.17 | 17.88% | 8,631.00 | 20.41% | 3,174.33 | 15.36% | 526.00 | 24.40% | 20,740.67 | 18.19% | 18.60% |
| Potomac State  College of WVU | 1,005.67 | 18.66% | 1,193.63 | 2.61% | 488.50 | 1.15% | ‐ | 0.00% | 0.00 | 0.00% | 2,687.79 | 2.36% | 2.48% |
| Shepherd University | ‐ | 0.00% | 3,266.96 | 7.15% | 2,285.33 | 5.40% | 1,274.83 | 6.17% | 182.00 | 8.44% | 6,827.13 | 5.99% | 6.26% |
| West Liberty  University | 544.33 | 10.10% | 1,973.25 | 4.32% | 1,327.83 | 3.14% | 710.83 | 3.44% | 150.00 | 6.96% | 4,556.25 | 4.00% | 4.34% |
| West Virginia State  University | 406.33 | 7.54% | 2,694.46 | 5.90% | 1,266.67 | 2.99% | 208.92 | 1.01% | 186.00 | 8.63% | 4,576.38 | 4.01% | 4.13% |
| West Virginia  University | 34.17 | 0.63% | 19,045.42 | 41.70% | 22,081.33 | 52.21% | 12,680.92 | 61.37% | 262.00 | 12.15% | 53,841.83 | 47.22% | 45.91% |
| West Virginia University Institute of Technology | 257.67 | 4.78% | 820.88 | 1.80% | 536.67 | 1.27% | 201.00 | 0.97% | 64.00 | 2.97% | 1,816.21 | 1.59% | 1.81% |
| Total | 5,390.17 | 100.00% | 45,677.58 | 100.00% | 42,297.17 | 100.00% | 20,663.00 | 100.00% | 2156.00 | 100.00% | 114,027.92 | 100.00% | 100.00% |
| Points by Category | 4.7% | | 40.1% | | 37.1% | | 18.1% | | 1.9% | | 100.0% | |  |

Points are calculated using three year averages (2009‐10, 2010‐11, 2011‐12) except Pell students, which are 2 year averages (2009‐10 & 2010‐11) due to data availability

**CTCS ‐ DRAFT FUNDING FORMULAS**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Developmental Education Success | | Momentum Points | | Degree Completion | | On‐time Completion | | Totals | |  |
|  | Developmental  Success Points | Share of  Developmental  Success Points | Momentum  Points | Share of  Points | Degree  Completion  Points | Share of  Points | On‐Time  Completion  Points | Share of  Points | Total points | Share of  total points | **Share of**  **System**  **FTE** |
| Blue Ridge Community and Technical College | 541.00 | 7.46% | 1,454.67 | 9.25% | 1,426.17 | 14.03% | 168.25 | 12.25% | 3,590.08 | 10.40% | 10.23% |
| Bridgemont Community and Technical College | 289.50 | 3.99% | 535.17 | 3.40% | 482.00 | 4.74% | 125.25 | 9.12% | 1,431.92 | 4.15% | 3.66% |
| Eastern WV Community and Technical College | 160.33 | 2.21% | 421.04 | 2.68% | 231.67 | 2.28% | 20.25 | 1.47% | 833.29 | 2.41% | 2.22% |
| Kanawha Valley Community and Technical College | 699.17 | 9.64% | 1,319.75 | 8.39% | 1,032.50 | 10.16% | 103.67 | 7.55% | 3,155.08 | 9.14% | 7.19% |
| Mountwest Community and Technical College | 971.17 | 13.39% | 1,718.38 | 10.93% | 1,224.08 | 12.04% | 151.58 | 11.03% | 4,065.21 | 11.78% | 10.94% |
| New River Community and Technical College | 906.33 | 12.50% | 1,887.42 | 12.00% | 551.50 | 5.42% | 93.67 | 6.82% | 3,438.92 | 9.96% | 11.89% |
| Pierpont Community and Technical  College | 887.33 | 12.24% | 1,989.67 | 12.65% | 1,164.83 | 11.46% | 214.67 | 15.63% | 4,256.50 | 12.33% | 12.59% |
| Southern WV Community and Technical College | 918.67 | 12.67% | 1,646.21 | 10.47% | 790.25 | 7.77% | 178.00 | 12.96% | 3,533.13 | 10.24% | 10.28% |
| WV Northern  Community College | 829.33 | 11.44% | 2,134.17 | 13.57% | 1,315.83 | 12.94% | 102.42 | 7.46% | 4,381.75 | 12.69% | 12.37% |
| WVU at Parkersburg | 1,047.83 | 14.45% | 2,619.50 | 16.66% | 1,947.33 | 19.16% | 216.00 | 15.72% | 5,830.67 | 16.89% | 18.63% |
| Total | 7,250.67 | 100.00% | 15,725.96 | 100.00% | 10,166.17 | 100.00% | 1,373.75 | 100.00% | 34,516.54 | 100.00% | 100.00% |
| Points by Category | 21.0% | | 45.6% | | 29.5% | | 4.0% | | 100.00% | |  |

Numbers are three year averages (2009‐10, 2010‐11, 2011‐12) except Pell students, which are 2 year averages (2009‐10 & 2010‐11) due to data availability

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| HEPC ‐ DRAFT FUNDING FORMULAS | | | | | | | | | |
|  | E) Points fund | $13,081,812 |  | $5,232,725 |  | $12,157,671 |  | $12,619,742 |  |
| F) Equity Fund | $0 |  | $0 |  | $924,141 |  | $462,070 |  |
| ***Institution*** | *FY13 State*  *Appropriations* | A) On basis of shares of total points 5% of base | % Change from FY13 | B) On basis of shares of total points  2% of base | % Change from FY13 | C) Share of points + equity (5 year phase‐in,  5% of base) | % Change from FY13 | D) Share of points  + equity (10 year phase‐in, 5% of base) | % Change from FY13 |
| Bluefield State College | $6,593,442 | $ 6,670,378 | 1.2% | $6,624,216 | 0.5% | $ 6,641,654 | 0.7% | $ 6,656,016 | 0.9% |
| Concord University | $10,206,804 | $ 10,280,111 | 0.7% | $10,236,127 | 0.3% | $ 10,278,097 | 0.7% | $ 10,279,104 | 0.7% |
| Fairmont State University | $17,880,671 | $ 17,894,602 | 0.1% | $17,886,243 | 0.0% | $ 17,830,460 | ‐0.3% | $ 17,862,531 | ‐0.1% |
| Glenville State College | $7,206,804 | $ 7,125,909 | ‐1.1% | $7,174,446 | ‐0.4% | $ 7,106,168 | ‐1.4% | $ 7,116,039 | ‐1.3% |
| Marshall University | $54,751,921 | $ 54,393,791 | ‐0.7% | $54,608,669 | ‐0.3% | $ 54,225,698 | ‐1.0% | $ 54,309,744 | ‐0.8% |
| Potomac State College of  WVU | $4,690,189 | $ 4,764,035 | 1.6% | $4,719,728 | 0.6% | $ 4,930,420 | 5.1% | $ 4,847,228 | 3.3% |
| Shepherd University | $11,228,474 | $ 11,450,290 | 2.0% | $11,317,200 | 0.8% | $ 11,977,478 | 6.7% | $ 11,713,884 | 4.3% |
| West Liberty University | $9,322,524 | $ 9,379,112 | 0.6% | $9,345,159 | 0.2% | $ 9,456,423 | 1.4% | $ 9,417,767 | 1.0% |
| West Virginia State  University | $13,612,389 | $ 13,456,793 | ‐1.1% | $13,550,150 | ‐0.5% | $ 13,419,703 | ‐1.4% | $ 13,438,248 | ‐1.3% |
| West Virginia University | $116,675,384 | $ 117,018,600 | 0.3% | $116,812,670 | 0.1% | $ 116,582,238 | ‐0.1% | $ 116,800,419 | 0.1% |
| West Virginia University  Institute of Technology | $9,467,640 | $ 9,202,622 | ‐2.8% | $9,361,633 | ‐1.1% | $ 9,187,902 | ‐3.0% | $ 9,195,262 | ‐2.9% |
| Total | $261,636,242 | $ 261,636,242 | 0.0% | $261,636,242 | 0.0% | $ 261,636,242 | 0.0% | $ 261,636,242 | 0.0% |

Formulas:

|  |  |  |
| --- | --- | --- |
| Equity Funding | | |
| State Funding/ FTE | % of State Average (Average of FY2010‐12) | Additional State Funds Necessary to Meet Target |
| $3,597 | 90.6% |  |
| $3,501 | 88.2% | $ 196,085 |
| $3,836 | 96.7% |  |
| $4,563 | 115.0% |  |
| $4,545 | 114.5% |  |
| $2,943 | 74.1% | $ 940,840 |
| $2,800 | 70.5% | $ 2,912,592 |
| $3,354 | 84.5% | $ 571,186 |
| $4,865 | 122.6% |  |
| $3,963 | 99.8% |  |
| $7,501 | 189.0% |  |
| $3,969 | *100.0%* | $4,620,703 |

|  |  |  |
| --- | --- | --- |
| A) = (FY13 State Appropriations\*0.95) + (% of total points\*Points Fund) |  |  |
| B) = (FY13 State Appropriations\*0.98) + (% of total points\*Points Fund) | |
| C) = (FY13 State Appropriations\*0.95) + (share of Equity Fund 5 year share) + (% of total points\*Points Fund) | | |
| D) = (FY13 State Appropriations\*0.95) + (share of Equity Fund 10 year share) + (% of total points\*Points Fund) | | |

E) = Total FY13 State Approprations \* % of base funding (5% or 2%)

F) = Funding necessary to reach 90% of the state average of funding per FTE student

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| CTCS ‐ DRAFT FUNDING FORMULAS | | | | | | | | | |
|  | E) Points fund | $3,223,927 |  | $1,289,571 |  | $2,589,944.02 |  | $2,906,935.74 |  |
| F) Equity Fund | $0 |  | $0 |  | $ 633,983 |  | $316,992 |  |
| ***Institution*** | *FY13 State*  *Appropriations* | A) On basis of shares of total points 5% of base | % Change from FY13 | B) On basis of shares of total points  2% of base | % Change from FY13 | C) Share of points + equity (5 year phase‐in,  5% of base) | % Change from FY13 | D) Share of points  + equity (10 year phase‐in, 5% of base) | % Change from FY13 |
| Blue Ridge Community and  Technical College | $5,138,415 | $ 5,216,817 | 1.5% | $5,169,776 | 0.6% | $ 5,611,106 | 9.2% | $ 5,415,561 | 5.4% |
| Bridgemont Community and  Technical College | $3,973,597 | $ 3,908,662 | ‐1.6% | $3,947,623 | ‐0.7% | $ 3,875,539 | ‐2.5% | $ 3,887,854 | ‐2.2% |
| Eastern WV Community and  Technical College | $2,100,509 | $ 2,073,315 | ‐1.3% | $2,089,631 | ‐0.5% | $ 2,061,896 | ‐1.8% | $ 2,070,024 | ‐1.5% |
| Kanawha Valley CTC | $4,125,664 | $ 4,214,073 | 2.1% | $4,161,028 | 0.9% | $ 4,173,249 | 1.2% | $ 4,204,321 | 1.9% |
| Mountwest Community and  Technical College | $6,352,577 | $ 6,414,648 | 1.0% | $6,377,406 | 0.4% | $ 6,335,227 | ‐0.3% | $ 6,371,979 | 0.3% |
| New River Community and  Technical College | $6,305,522 | $ 6,311,449 | 0.1% | $6,307,893 | 0.0% | $ 6,389,610 | 1.3% | $ 6,349,868 | 0.7% |
| Pierpont Community and  Technical College | $8,443,703 | $ 8,419,085 | ‐0.3% | $8,433,856 | ‐0.1% | $ 8,327,193 | ‐1.4% | $ 8,364,606 | ‐0.9% |
| Southern WV Community and Technical College | $9,228,731 | $ 9,097,297 | ‐1.4% | $9,176,157 | ‐0.6% | $ 8,992,916 | ‐2.6% | $ 9,020,530 | ‐2.3% |
| WV Northern Community  College | $7,893,643 | $ 7,908,227 | 0.2% | $7,899,477 | 0.1% | $ 7,851,932 | ‐0.5% | $ 7,895,134 | 0.0% |
| WVU at Parkersburg | $10,916,188 | $ 10,914,977 | 0.0% | $10,915,704 | 0.0% | $ 10,859,880 | ‐0.5% | $ 10,898,672 | ‐0.2% |
| Total | $64,478,549 | $ 64,478,549 | 0.0% | $64,478,549 | 0.0% | $ 64,478,549 | 0.0% | $ 64,478,549 | 0.0% |

Formulas:

|  |  |  |
| --- | --- | --- |
| Equity Funding | | |
| State Funding/ FTE | % of State Average (Average of FY2010‐12) | Additional State Funds Necessary to Meet Target |
| $1,769 | 51.1% | $ 2,288,300 |
| $6,147 | 177.6% |  |
| $5,349 | 154.5% |  |
| $3,247 | 93.8% |  |
| $3,120 | 90.1% |  |
| $2,755 | 79.6% | $ 711,946 |
| $4,014 | 115.9% |  |
| $5,002 | 144.5% |  |
| $3,597 | 103.9% |  |
| $3,061 | 88.4% | $ 169,671 |
| $3,462 | *100.0%* | $ 3,169,917 |

A) = (FY13 State Appropriations\*0.95) + (% of total points\*Points Fund) B) = (FY13 State Appropriations\*0.98) + (% of total points\*Points Fund)

C) = (FY13 State Appropriations\*0.95) + (share of Equity Fund 5 year share) + (% of total points\*Points Fund)

D) = (FY13 State Appropriations\*0.95) + (share of Equity Fund 10 year share) + (% of total points\*Points Fund) E) = Total FY13 State Approprations \* % of base funding (5% or 2%)

F) = Funding necessary to reach 90% of the state average of funding per FTE student