

Cluster (or sub-cluster) Titles

2008 Definitions	2013 Proposed Definitions
<p>Advanced Materials & Diversified Manufacturing (AMDM)</p> <ul style="list-style-type: none"> AMDM - Chemicals, Rubber & Plastics (AMDM - CRP) AMDM - Electronics (AMDM - E) AMDM - Metals (AMDM - M) AMDM - Printing (AMDM - P) AMDM - Vehicles & Vehicle Equipment (AMDM - VVE) 	<p>Advanced Manufacturing (AM)</p> <ul style="list-style-type: none"> AM - Chemicals, Rubber & Plastics (AMDM - CRP) AM - Electronics (AMDM - E) AM - Metals (AMDM - M) AM - Vehicles & Vehicle Equipment (AMDM - VVE)
<p>Agriculture & Food Production (AFP)</p>	<p>Agriculture & Food Production (AFP)</p>
<p>Bio-Medical (BM)</p>	<p>Bio-Medical (BM)</p>
<p>Building & Construction (BC)</p>	<p>Building & Construction (BC)</p>
<p>Business & Financial Services (BFS)</p> <ul style="list-style-type: none"> BFS - Business Services (BFS - BS) BFS - Finance & Insurance (BFS - FI) 	<p>Business Services (BS)</p> <ul style="list-style-type: none"> BS - Media, Advertising & Marketing (BS - MAM) BS - Operational Services (BS - OPER) BS - Professional & Consulting Services (BS - P&C)
<p>Education (ED)</p>	<p>Education (ED)</p>
<p>Energy (ENGY)</p>	<p>Energy (ENGY)</p>
<p>Health Care (HC)</p>	<p>Health Care (HC)</p>
<p>Information & Communication Services (ICS)</p>	
<p>Logistics & Transportation (LT)</p>	<p>Hospitality, Leisure & Entertainment (HLE)</p>
<p>Lumber, Wood & Paper (LWP)</p>	<p>Logistics & Transportation (LT)</p> <p>Real Estate, Finance & Insurance (REFI)</p> <p>Wood, Wood Products & Publishing (WWPP)</p>

Cluster (or sub-cluster) Statistics

Cluster (or sub-cluster)	2011AA Employment	2011AA LQ	2011AA Wages
Advanced Manufacturing (AM)	433,956	1.04	\$ 52,036
AMDM - Chemicals, Rubber & Plastics (AMDM - CRP)	71,099	1.15	\$ 52,252
AMDM - Electronics (AMDM - E)	68,039	0.78	\$ 56,958
AMDM - Metals (AMDM - M)	136,217	1.48	\$ 56,463
AMDM - Vehicles & Vehicle Equipment (AMDM - VVE)	158,601	0.90	\$ 46,027
Agriculture & Food Production (AFP)	162,583	0.81	\$ 41,368
Bio-Medical (BM)	78,481	1.19	\$ 90,208
Building & Construction (BC)	334,438	0.99	\$ 49,493
Business Services (BS)	678,252	0.99	\$ 72,542
BS - Media, Advertising & Marketing (BS - MAM)	127,415	0.95	\$ 71,165
BS - Operational Services (BS - OPER)	216,180	0.93	\$ 46,519
BS - Professional & Consulting Services (BS - P&C)	334,657	1.06	\$ 89,876
Education (ED)	578,285	1.03	\$ 44,571
Energy (ENGY)	137,300	1.12	\$ 70,535
Health Care (HC)	958,836	1.21	\$ 47,221
Hospitality, Leisure & Entertainment (HLE)	559,483	0.88	\$ 18,393
Logistics & Transportation (LT)	203,953	1.11	\$ 43,822
Real Estate, Finance & Insurance (REFI)	290,504	0.94	\$ 69,983
Wood, Wood Products & Publishing (WWPP)	114,128	1.22	\$ 46,694

Summary of Changes to Cluster Composition

Advanced Manufacturing (AM)

The Printing sub-cluster was removed, and additional NAICS were added to the existing sub-clusters. Printing was removed to enhance the previously named Lumber, Wood & Paper cluster. These changes resulted in an employment increase of 180,212 in 2011.

Agriculture & Food Production (AFP)

Additional NAICS industries resulted in an employment increase of 14,480 in 2011.

Bio-Medical (BM)

This is the only cluster that was not changed in any way.

Building & Construction (BC)

Small changes were made to this cluster, with the most significant being the addition of Home Centers. These changes resulted in an increase in employment of 47,076 in 2011.

Business Services (BS)

Formerly the Business & Financial Services (BFS) cluster. The old definition was broken into two clusters, this being one, and Real Estate, Finance & Insurance (REFI) being the other. This cluster absorbed the bulk of the old Information & Communication Services (ICS) cluster as well. It has been split into three sub-clusters; Media, Advertising & Marketing (BS-MAM), Operational Services (BS - OPER), and Professional & Consulting Services (BS-P&C). With the removal of REFI, the addition of ICS, and some additional NAICS, this cluster has an employment 15,470 higher in 2011 than the previous definition.

Education (ED)

Removal of four NAICS to the newly created Hospitality, Entertainment & Leisure (HEL) cluster. Resulted in 7,784 fewer employment during 2011.

Energy (ENGY)

About a dozen NAICS were added to the cluster resulting in 31,546 additional employment in 2011 along with greater national LQs statewide, and in most of the WIAs.

Health Care (HC)

Significant changes were made, most notably the addition of Social Assistance; to youth, family and the elderly. These changes resulted in an employment increase of 120,278 in 2011. It also resulted in an increase in the national LQ.

Hospitality, Leisure & Entertainment (HLE)

A new cluster representing 559,483 employment in 2011. These are mostly previously un-targeted industries that comprise the cluster. The cluster is dominated by Full-Service Restaurants, Limited-Service Restaurants, and Hotels & Motels, Except Casino Hotels. Surprisingly, Pennsylvania employs significantly fewer than average employees in these three industries, and are the main reason the cluster has an LQ below 1.0.

Information & Communication Services (ICS)

This cluster was removed. The bulk of the NAICS going to BS, with most of the publishing going to the newly named Wood, Wood Products & Publishing (WWP).

Logistics & Transportation (LT)

Additions to this cluster were mostly due to the inclusion of passenger transportation codes. This resulted in an additional 46,873 employment in 2011.

Real Estate, Finance & Insurance (REFI)

This cluster was extracted from the old BFS cluster and is comprised of mostly the BFS - Finance & Insurance sub-cluster with some additional codes.

Wood, Wood Products & Printing (WWPP)

This cluster evolved out of the old Lumber, Wood & Paper (LWP) cluster. Printing was added from AMDM, and Publishing from the old ICS. This a broader-scope supply-chain based cluster that is relevant in more WIAs than it was previously. It still remains very strong in the Northern parts of the commonwealth.