

Educational Master Plan

External Environmental Scan
November 19, 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



EMP-FMP Overview

- Message from President
- Introduction
- Educational Master Plan Section
 - College History & Overview
 - Mission, Vision, Values
 - Environmental Scan
 - External
 - Internal
 - Plan Assumptions
 - Opportunities for the Future
 - Projections for the Future Program of Instruction
- Facilities Master Plan Section



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Overarching Topics

Economy & Employment Trends
Riverside and San Bernardino Counties
Community College District

Higher Education Policy and Priorities
National, Regional (ACCJC), State

People Served
District Service Area



Palo Verde Community College
Education Master Plan / Facilities Master Plan



State Economy

- California recovering from the Great Recession
 - Job growth last three yrs. CA 2.7%, US 1.8%
 - State population growing faster
- By 2030: up to 1.1 million **more** job openings requiring postsecondary education than there are graduates.
 - *Not enough newcomers (from abroad or other states) to close the skills gap*

Source: Public Policy Institute of California, February and October 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Riverside & San Bernardino Counties Jobs 2012-2022

North American Industry Classification System (NAICS) Categories	Change 2012 to 2022	Annual Job Openings	Annual Average % Change
Self Employed	12,200	1,220	1.6%
Unpaid Family & Private Household	300	30	0.0%
Farm	-500	-50	-0.3%
Mining and Logging	400	40	3.3%
Construction	36,300	3,630	5.8%
Manufacturing	-2,900	-290	-0.3%
Trade, Transportation, Utilities	59,800	5,980	2.1%
Information	300	30	0.3%
Financial Activities	6,100	610	1.5%
Professional & Business Services	36,200	3,620	2.8%
Education (Private), Health Care, & Social Assistance	44,800	4,480	2.7%
Leisure and Hospitality	35,400	3,540	2.9%
Other Services	7,300	730	1.8%
Government	11,300	1,130	5.0%
Total	247,000	24,700	1.9%

Employment Development Department. *Industry Projections 2012-2022*



Palo Verde Community College
Education Master Plan / Facilities Master Plan



State Prisons, Blythe

- **Chuckawalla Valley (1988)**
 - Level II- medium to low-medium custody risk
 - Staff of 750 (2015)
 - Inmate census of 1,850
 - 48% decrease since 2000
 - Converting to sensitive needs inmate facility
- **Ironwood (1994)**
 - Level III- medium to minimum custody risk
 - Staff of 1,200 (2015)
 - Inmate census of 3,585
 - 22% decrease since 2000
 - Receiving inmates previously held out-of-state



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Blythe Workforce, 2015

North American Industry Classification System (NAICS) Category	%*
Agriculture/Mining	9.4%
Construction	2.9%
Manufacturing	0.9%
Wholesale Trade	3.0%
Retail Trade	12.3%
Transportation/Utilities	5.2%
Information	0.2%
Finance/Insurance/Real Estate	3.5%
Services	40.2%
Public Administration	22.4%
*excludes incarcerated individuals	

Source: Environmental Systems Research Institute, Market Profile 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Needles and Tri-State Colorado River Corridor

- 72-mile strip along the Colorado River
- Population in excess of 133,000
 - Laughlin, NV
 - Bullhead City, AZ
 - Lake Havasu City, AZ



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Tri-State Workforce, 2015

North American Industry Classification System (NAICS) Category	Needles*	Corridor**
	%	%
Agriculture/Mining	0.8%	0.7%
Construction	8.9%	7.2%
Manufacturing	3.6%	4.6%
Wholesale Trade	1.2%	1.5%
Retail Trade	9.6%	14.7%
Transportation/Utilities	15.3%	4.8%
Information	2.0%	1.3%
Finance/Insurance/Real Estate	5.5%	5.0%
Services	48.7%	54.3%
Public Administration	4.4%	6.0%
*Employed population = 1,618		
**Employed population = 45,828		

Environmental Systems Research Institute, Market Profile 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



The T-shirt Says...

Those who can, TEACH.

Those who can't, pass laws about teaching.

California Higher Education Policy and Priorities



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Community College Funding

- Apportionment increasing
- Dedicated funds & expected outcomes
 - Student services & technology
 - Career and technical education
 - Adult education
- New growth formula
 - Need for access to the college determined by
 - People without a college degree
 - People who are economically disadvantaged
 - Participation rate



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Completion Agenda

- Array of governmental and private organizations promoting this idea
 - Board of Governors
 - California Competes, League of California
 - Governor and Legislature
 - White House Summits
 - 24+ organizations (nationally)



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Accountability &/or Collaboration

- Federal
 - Block & specific grants
 - White House College Scorecard
 - Gainful employment rules
 - Performance framework
- Accreditation
 - Standards (2014)
 - Federal regulation monitoring



Palo Verde Community College
Education Master Plan / Facilities Master Plan



State Policy, Priorities, Incentives

- Basic Skills Initiative
- Transfer- SB 1440, SB 440
- Repetition rules changes
- Online education initiative
- Inmate education
- Adult education- AB 86 & AB 104 funding
- Student Equity Plan
- System & District Goals and Accountability- SB195
- AB 288 Dual Enrollment



Palo Verde Community College
Education Master Plan / Facilities Master Plan



State Policy, Priorities, Incentives

- Student Success Task Force
 - Common assessment
 - Educational planning
 - Enrollment priorities
 - BOG enrollment fee waiver progress
 - Student Success & Support Program
 - Professional development program
 - Scorecard



Palo Verde Community College
Education Master Plan / Facilities Master Plan



State Policy, Priorities, Incentives

- Career and Technical Education
 - SB 70, SB 1070
 - Career Pathways Trust
 - Doing What Matters
 - Apprenticeship funding



Palo Verde Community College
Education Master Plan / Facilities Master Plan



DWM- Priority Sector Choices

- Inland Empire/Desert Consortium

Priority Sectors/Clusters

Advanced Manufacturing
Global Trade & Logistics
Health

Emergent Sectors/Clusters

Advanced Transportation & Renewables
Information & Communication Technologies (ICT)/Digital Media



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Corrections Policy Changes

- Reduce inmate populations
 - Federal court directives re overcrowding
 - 2011 Legislation- realignment program
 - 2012 Proposition 36- revised three strikes law
 - 2014 Proposition 47- redefines some felonies to be misdemeanors
- Educate to impact recidivism
 - CTE & transfer offered face-to-face
 - No longer exclusively positive attendance
 - Claim FTES at credit, noncredit or CDGP rates



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Dual Enrollment Policy Changes

- College and Career Access Pathways (CCAP)
 - Assign priority enrollment and registration to high school students in a CCAP with *no fees* to pay.
 - Day offerings at a high school are *open only to* high school students.
 - Basic skills math & English can be offered, but only for students who are not at grade level.
 - Courses with no open seats cannot be offered at high schools through CCAP.
 - FTES claimed IF student also qualified for full high school apportionment w/o using college course hours.



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Adult Education Policy Changes

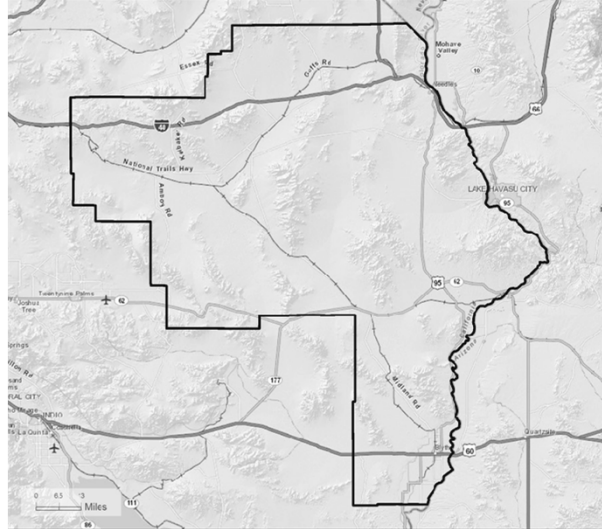
- AB86-AB104 Block Grant
 - Regional Consortia (community colleges and adult schools)
 - Address overlaps in curriculum offered, coordinate, & address gaps
 1. Elementary & secondary basic skills (adult basic education)
 2. ESL/citizenship (immigrant populations)
 3. Adults with disabilities
 4. Short-term career and technical education



Palo Verde Community College
Education Master Plan / Facilities Master Plan



PVC District Service Area



Palo Verde Community College
Education Master Plan / Facilities Master Plan

CWP + hpi architecture

Two-Year Neighbors

College	City	State	Time*	Miles*
Palo Verde College	Blythe	CA		
Arizona Western College	Yuma	AZ	1h 33m	97
AWC- Quartzsite Center	Quartzsite	AZ	24m	22
AWC- Parker Center	Parker	AZ	53m	49
College of the Desert	Palm Desert	CA	1h 45m	109
Imperial Valley College	Imperial	CA	1h 42m	98
Palo Verde College	Needles	CA		
Mohave Community College				
Bullhead City Campus	Bullhead City	AZ	31m	23
Lake Havasu City Campus	Lake Havasu City	AZ	47m	43
Kingman Campus	Kingman	AZ	58m	63
Barstow College	Barstow	CA	2h 13m	144
Victor Valley	Victorville	CA	2h 38m	174
*Google Maps distances and times				



Palo Verde Community College
Education Master Plan / Facilities Master Plan

*estimates from Google Maps

CWP + hpi architecture

Arizona Enrollments, Fall 2010-2014

Fall Terms 2010 to 2014		
Most Popular Subjects for Enrollment		
PVC Campus	Subject	# Enrl
Blythe	Noncredit Basic Education	22
Blythe	Adult Basic Education	14
Blythe	Nursing	10
Blythe	Mathematics	9
Blythe	Welding	8
Needles	Adult Basic Education	22
Needles	Noncredit Basic Education	9



Palo Verde Community College
Education Master Plan / Facilities Master Plan



PVC Effective Service Area?

Category	Fall Term Unduplicated Headcounts					5-Yr Total	2010 vs. 2014
	2010	2011	2012	2013	2014		Absolute Change
% In District	41%	38%	35%	34%	33%	36%	-8%
% Out of District	59%	62%	65%	66%	67%	64%	8%

Source: California Community College Management Information System Data Files



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Headcounts by Location

Location Description	Fall Term Unduplicated Count of Students						Total	% of Total	Average	% Change
	2010	2011	2012	2013	2014	Total				
State Prisons	849	862	756	723	1,020	4,210	23.0%	842.0	20.1%	
In-Service	1,792	1,496	1,827	1,815	2,049	8,979	49.0%	1,795.8	14.3%	
On Campus	1,364	920	969	904	948	5,105	27.8%	1,021.0	-30.5%	
Off Campus Non-Local	3	2	15	5	19	44	0.2%	8.8	533.3%	
Grand Total	4,008	3,280	3,567	3,447	4,036	18,338	100.0%	3,667.6	0.7%	



Palo Verde Community College
Education Master Plan / Facilities Master Plan



People Served- District Service Area

In Dist	City	State	Fall Term Unduplicated Headcounts					5-Yr Total	% of Grand Total	Cum %	% Change	Average
			2010	2011	2012	2013	2014					
Y	Blythe	CA	1,513	1,180	1,162	1,086	1,300	6,241	33.69%	33.69%	-14.1%	1,248
Y	Desert Center	CA	3	2		3	2	10	0.05%	33.74%	-33.3%	3
Y	Earp	CA	1					1	0.01%	33.75%		1
Y	Vidal	CA	2	1	2		2	7	0.04%	33.78%	0.0%	2
Y	Essex	CA	2					2	0.01%	33.80%		2
Y	Needles	CA	164	92	113	74	51	494	2.67%	36.46%	-68.9%	99
	Total		1,685	1,275	1,277	1,163	1,355	6,755	36.46%	36.46%	-19.6%	1,351

Source: California Community College Management Information System Data Files



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Needles vs. Blythe

Needles					2015 to 2020		
Element	2000	2010	2015	2020	Annual Rate of Change	2000 to 2015 % Change	2010 to 2020 % Change
Population	4,912	4,844	4,820	4,844	0.10%	-1.9%	0.0%
Households	1,989	1,918	1,907	1,910	0.03%	-4.1%	-0.4%
Average Household Size	2.46	2.52	2.53	2.53		2.8%	0.4%
Median Age		39.2	39.7	40.5			
Median Household Income			\$27,815	\$29,093	0.90%		
Per Capita Income			\$15,753	\$17,409			

Blythe*					2015 to 2020		
Element	2000	2010	2015	2020	Annual Rate of Change	2000 to 2015 % Change	2010 to 2020 % Change
Population	14,619	15,045	15,293	15,807	0.66%	4.6%	5.1%
Households	4,916	5,123	5,214	5,373	0.60%	6.1%	4.9%
Average Household Size	2.93	2.90	2.89	2.90		-1.4%	0.0%
Median Age		32.0	31.9	32.5			
Median Household Income			\$37,939	\$42,483	2.59%		
Per Capita Income			\$17,615	\$19,765			

*excludes incarcerated individuals

Sources: Environmental Systems Research Institute, Market & Demographic/Income Profiles 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Future Needles vs. Blythe

Area	Extended Population Projection					Annual Rate of Change
	2021	2022	2023	2024	2025	
Needles	4,849	4,854	4,859	4,863	4,868	0.10%
Blythe	15,911	16,016	16,122	16,228	16,336	0.66%
Desert Center	378	384	389	394	400	1.40%
Total	21,138	21,254	21,369	21,486	21,604	

Extrapolated from Environmental Systems Research Institute, Market & Demographic/Income Profiles 2015



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Educational Needs of Adults

Regional Consortia	Poverty	No High School Diploma	Unemployment	English Language Learners	Adults with Disabilities	No Citizenship	No Literacy
Palo Verde CCD	18,229	9,199	5,058	14,120	3,436	4,850	5,387
% of 2010 Population	53.7%	27.1%	14.9%	41.6%	10.1%	14.3%	15.9%

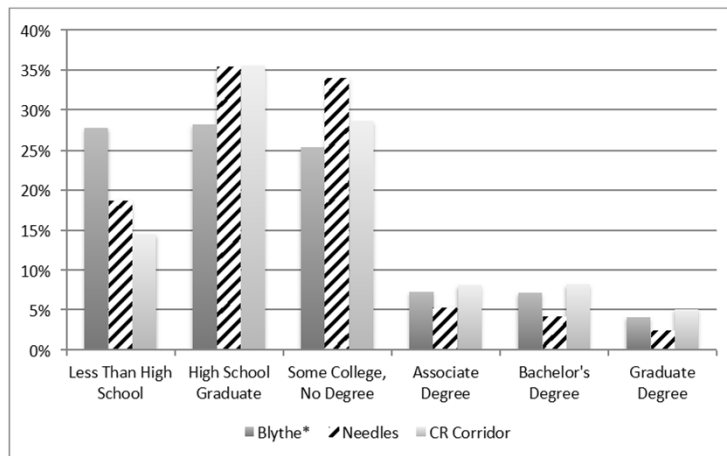
Sources: U.S. Census Bureau American Community Survey and U.S. Department of Education, National Center for Educational Statistics- National Assessment on Adult Literacy; analysis by the AB86 Work Group



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Educational Attainment 25 yrs. +



*excludes incarcerated individuals



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Age Distribution

Blythe*					2010 to 2020
Age Category	2010	2015	2020	Average	Absolute Change
under 15	26.5%	24.7%	24.5%	25.2%	-2.0%
Career Choice (15-24)	14.7%	16.3%	14.7%	15.2%	0.0%
Career Start (25-34)	12.3%	13.0%	14.1%	13.1%	1.8%
Needles					2010 to 2020
Age Category	2010	2015	2020	Average	Absolute Change
under 15	21.7%	21.1%	21.1%	21.3%	-0.6%
Career Choice (15-24)	13.1%	12.8%	11.5%	12.5%	-1.6%
Career Start (25-34)	11.4%	11.1%	11.8%	11.4%	0.4%
Colorado River Corridor					2010 to 2020
Age Category	2010	2015	2020	Average	Absolute Change
under 15	15.0%	14.1%	13.8%	14.3%	-1.2%
Career Choice (15-24)	10.0%	9.5%	8.4%	9.3%	-1.6%
Career Start (25-34)	8.7%	9.2%	9.1%	9.0%	0.4%

*excludes incarcerated individuals



Palo Verde Community College
Education Master Plan / Facilities Master Plan



Ethnicity Change

Blythe*					2010 to 2020
Race/Ethnicity	2010	2015	2020	Average	Absolute Change
White	55.0%	52.8%	50.9%		-4.1%
Black	8.7%	8.7%	8.6%		-0.1%
American Indian	1.3%	1.3%	1.2%		-0.1%
Asian & Pacific Islander	1.9%	2.0%	2.0%		0.1%
Some Other	28.4%	30.3%	32.0%		3.6%
Two or More	4.7%	5.0%	5.2%		0.5%
Hispanic Origin	54.3%	57.7%	60.2%		5.9%
Needles					2010 to 2020
Race/Ethnicity	2010	2015	2020	Average	Absolute Change
White	75.7%	72.1%	69.7%		-6.0%
Black	2.0%	2.0%	2.1%		0.1%
American Indian	8.2%	9.6%	9.7%		1.5%
Asian & Pacific Islander	0.9%	1.0%	1.1%		0.2%
Some Other	6.7%	8.0%	9.2%		2.5%
Two or More	6.5%	7.4%	8.2%		1.7%
Hispanic Origin	22.4%	25.0%	29.1%		6.7%
Colorado River Corridor					2010 to 2020
Race/Ethnicity	2010	2015	2020	Average	Absolute Change
White	86.2%	84.6%	82.6%		-3.6%
Black	1.1%	1.4%	1.9%		0.8%
American Indian	1.7%	1.9%	2.1%		0.4%
Asian & Pacific Islander	1.4%	1.5%	1.7%		0.3%
Some Other	6.8%	7.4%	8.2%		1.4%
Two or More	2.9%	3.2%	3.5%		0.6%
Hispanic Origin	16.6%	19.6%	19.6%		3.0%

*excludes incarcerated individuals



Palo Verde Community College
Education Master Plan / Facilities Master Plan



So What Is PVC To Do?

Given these external environmental trends and facts that provide context.....

What goal should Palo Verde College articulate?



Palo Verde Community College
Education Master Plan / Facilities Master Plan



CWP + hpi
architecture

Coming Attractions

- Internal Scan



Palo Verde Community College
Education Master Plan / Facilities Master Plan



CWP + hpi
architecture