

**LUNCHEON MEETING OF THE BUSINESS AFFAIRS AND EXECUTIVE COMMITTEES  
OF THE BOARD OF TRUSTEES  
Community College of Philadelphia  
Friday, February 22, 2019 – 12:00 Noon**

**AGENDA**

**PUBLIC SESSION**

Opening Remarks	Board Chair White
Vision for the Career and Advanced Technology Center	Dr. Generals
Workforce Development Programs ( <u>Attachment 1</u> )	Dr. Carter and Ms. de Fries
Proforma Revenue and Expense Projections ( <u>Attachment 2</u> )	Mr. Spiewak
Project Capital Cost ( <u>Attachment 3</u> )	Mr. Eapen
Capital Financing ( <u>Attachment 4</u> )	Messrs. Eapen, Spiewak & Allen
Debt Schedule ( <u>Attachment 5</u> )	Mr. Spiewak

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**EXECUTIVE SESSION**

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**PUBLIC SESSION**

**Architect Selection for the Career and Advanced Technology Center (Action Item):**

Approve the selection of the Schrader Group as architects for the Career and Advanced Technology Center in the amount of \$2,100,000. (Business Affairs Committee approves first, then Executive Committee approves.)

# **ATTACHMENT 1**



**Community College of Philadelphia**

# **Career and Advanced Technology Center**

**@ WRC**

Pam Carter, PhD and Carol de Fries  
February 2019

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# AGENDA

- **Transportation Technologies**
  - Current & Future Programming
  - Jobs & Salaries
  - Greater PHL Access to Transportation Tech Programs
- **Workforce and Economic Innovation**
  - Advanced Manufacturing & Logistics
  - Construction & Infrastructure
  - Non-Credit Automotive
  - Healthcare
  - Technology
  - Business

# Current: Automotive Technology Programming

- General Automotive Programs
  - AAS Automotive Technology degree
  - Automotive Service I proficiency certificate
  - Automotive Service II proficiency certificate
- Quality & Relevance
  - Master Automobile Service Technology Accredited
  - ASE Certified Faculty
  - Strong Advisory Board and Industry Connections
  - Ford MLR Partnership
  - 100% Student Placement Rate

# **Current: Automotive Technology**

## **Limitations**

- 10,000 sq ft facility
- Limited Manufacturer Partnership Opportunities
- Limited Programming
- No Room for Autonomous Vehicle Technologies
  - Level 1 & 2 technologies – In Cars Now
  - Levels 3, 4 & 5 – Near Future

- Difficult to Compete with Proprietary Higher Ed Institutions

- State-of-the-art facilities
- Multiple manufacturer partnerships
- Diesel programs

# Greater Philadelphia Access to Transportation Tech Programs

- Public Higher Education (Auto Tech only)
  - CCP –AAS and two Certificates -- \$14K 2yr/\$4.6K sem/\$4.3Ksem
  - DCCC – two Certificates
  - Montco and Bucks – no programs
  - Camden County College – AAS and Certificate, both with GM option
- Proprietary Higher Education (Auto Tech & Diesel\*)
  - Automotive Training Center (Exton, Warminster) – \$38K 2yr
  - Lincoln Tech\* (Philadelphia) -- \$38K 2yr
  - Pennco Tech\* (Bristol) -- \$21K(eve) 3+yr - \$34K(day) 2yr
  - UTI\* (Exton) -- \$36K 2yr

# Jobs and Salaries

Auto Tech	Current Dealer Openings	330	Est. 2014 Regional HPO Employment	11,280	Proj. 2024 Regional HPO Employment	11,630	Regional Annual Openings EMSI	894
	Diesel Tech	Phila. Co. Job Postings Last Yr. 141 co/447 jobs	Phila. Co. Jobs 2016 EMSI	593	Phila. Co. Proj. Jobs 2024 EMSI	645	Phila. Co. Proj. Jobs 2028 EMSI	658

- **Salaries** (NADA Dealership Workforce Study 50 mile radius of Philadelphia)
  - Technician Apprentice/Trainee (C-Tech) -- \$42,947
  - Average Service Technician (B-Tech) -- \$64,069
  - Service Writer/Advisor -- \$66,920
  - Warranty Administrator -- \$49,645
  - Apprentice/Lube Technician -- \$14 per hour\* (\*faculty/advisory board)
  - Diesel Mechanic and Engine Specialist -- \$52,084\*\* (\*\*EMSI)



# Future: Transportation Technologies Programming

- General Automotive Programs
    - AAS Automotive Technology degree
    - Automotive Service I proficiency certificate
    - Automotive Service II proficiency certificate
  - **AAS Advanced Alternative Fuels degree\***
  - **BioFuels proficiency certificate\***
  - **Electric Drive proficiency certificate\***
  - **Compressed Natural Gas proficiency certificate\***
- \* **Initial Advisory Board:** SEPTA, Waste Management, PECO, PGW, City of Philadelphia Fleet Management

# **Future: Transportation Technologies Programming (cont'd.)**

- **Diesel and Heavy Engine Programs**
  - **AAS Diesel/Heavy Engine Technologies degree**
  - **Diesel/Heavy Engine Service I proficiency certificate**
  - **Diesel/Heavy Engine Service II proficiency certificate**

\*\* ASE Accredited – Master Truck Service Technology

\*\* ASE Certified Faculty

\*\* Diesel and Heavy Engine Advisory Board

- **Infusion of Autonomous Vehicle Technologies**
  - Automotive Technology programming
  - Diesel and Heavy Engine programming

# **Future: Transportation Technologies Partnerships**

- Ford MLR Partnership
  - Content, Cars, Certifications
- **SEPTA**
  - Bus, Equipment
- **Toyota (National T-TEN – March visit)**
  - School-Work Program, Content, Car, Employment
- **Nissan/Infinity (Technician Training Academy – Feb. Meeting)**
  - Content, Car, Certifications
- **Under Consideration: FCA (Mopar CAP), Subaru and Cummins, others**

## **WEI @ Career & Advanced Technology Center**

### **Workforce & Economic Innovation**

Manufacturing, Logistics & Infrastructure

Current:

- Advanced Manufacturing Programs
- Gas Distribution
- Non-Credit Automotive

Future:

- Process Operator
- Non-Credit Automotive Contract Training Opportunities
- Opportunities for logistics, construction and other types of contract training currently done off-site Fork Lift Training, Rigging, other

Healthcare

Current

- Certified Nurse Aide (C.N.A.)
- Dental Assisting

Future

- Central Sterile Processing
- Additional VST Training, Other Programs

Business & IT

- Power Up West Philadelphia Peer Learning and Workshops (Current)

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## Advanced Manufacturing & Logistics

### Advanced Manufacturing

- Consolidate 3 Advanced Manufacturing programs in Center –
  - Welding - American Welding Society (AWS) Certification in Shield Metal Arc Welding)
  - CNC/Precision Machining - National Institute for Metal Working Machining Level 1 Certification
  - Electro-Mechanical (9 Modules includes Robotics) - Association for Packaging and Processing Technologies (PMMI) Certification
- Create New Programs aligned with industry needs – Process Control, Certified Production Technician, Fork Lift Operator, Ports Jockey Training
- **FY17/18 ADVM Enrollments:** 30 Students (Welding 13; CNC 6; Electro/Transit: 11); currently 37 students Up 23% over FY17-18



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## Advanced Manufacturing & Logistics

### Employer Partners:

Curriculum Review, Trends, Quality and Relevance, Hiring, Networks, Instructors

- **Welding:** Southeastern PA Manu. Alliance, Manufacturing Alliance of Greater Philadelphia, PTR Baler, SEPTA; John Pomp Studios, HMF Express
- **Computer Numeric Control (CNC)/Precision Machining:** Windle Mechanical Solutions, Penn Fishing, JPMC, M. Cohen, A&S Manufacturing
- **Electro-Mechanical/Transit Trades:** SEPTA, Philadelphia Water Department, First Quality, Colgate Palmolive

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## Advanced Manufacturing & Logistics

2016 Employment	% Middle Skill	Annual Growth	3 Year Growth	10 Year Growth	Annual Replacement Openings	Avg. Wage
50,078	45%	-1%	+9%	-1.2%	1173	\$ 73,535

- Supports middle skill jobs; family sustaining wages for individuals with short term training; average wages well above citywide average (\$73,500).
- Market is experiencing an aging workforce with over 1000 replacement jobs available each year through 2024.
- Philadelphia’s Manufacturing Taskforce called upon CCP to “establish a manufacturing training program” to provide talent pipeline enabling growth
- New facility will allow us to offer programs during the day, and make space available for contract training opportunities.

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## Construction & Infrastructure

- Establish Permanent Home for Gas Distribution Program – use of CBI loading dock
- **Gas Distribution FY 17/18 Enrollments:** 31 students; Currently seeking instructor to run program in March

**Employer Partners:** Curriculum Review, Trends, Quality and Relevance, Hiring, Networks, Instructors

- PGW, PECO, Riggs Distiller, Miller Brothers, Progressive Pipe Management, Utility Line Services, Henkels & McCoy

2016 Employment	21,430	% Middle Skill	43%	Annual Growth	+ .2%	3 Year Growth	+ 2.4%	10 Year Growth	- 1%	Annual Replacement Openings	413	Avg. Wage	\$ 87,716
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- Nearly 70% of all jobs in this sector are available with less than a Bachelor's degree
- Wages typically higher than the citywide overall median; wages grew
- Significant Replacement Openings
- Strong demand for our gas distribution pipeline mechanic program from utility partners who can't fill current job openings

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## Non-Credit Automotive

- **Non-Credit FY17/18 Automotive Enrollments:**
  - Emissions Inspector: 191
  - Safety Inspection 138
- PWI selected non-credit Automotive Training VST contracts, but we had no capacity to run these programs in existing facility
- WEI currently runs Emissions, and Safety Mechanic Inspection certifications at CBI; these service professionals are disconnected from our Automotive Facility; missed opportunities for enrollments, additional training
- CCP has a contract with Fleet Management to deliver these certification tests; new facility would provide us with an opportunity to expand services to other fleet operators.
- Delivering these activities at the new facility will increase opportunities for partnerships and enrollments.

## Healthcare

- Certified Nurse Aide (C.N.A.) Lab started in West Philadelphia in Fall 2018; provides expanded capacity for Vocational Skills Training (VST) contract training without impacting open enrollment at CBI
- Dental Assisting – Currently limited to offering program on Saturdays only due to limited access to dental clinic
- Enable new programs to be established and allow for some additional VST training opportunities;
- Limited space at Main Campus to create programs that need designated space
- **FY17/18 Healthcare Enrollments:** (Dental Assisting: 18; Pharmacy Tech: 55; Certified Nurse Assistant: 48)





## Healthcare

### Employer Partners:

Pharmacy Technician: Walgreens, CVS (Pending)

Dental Assisting: Penn Dental, CCP Dental, Smile Dental Group, Dr. Brenner; Pasyunk Dental; Seran Dental Associates; Dr. Jay Lackman; Louis Marion DMD; Bala Institute of Oral Surgery

C.N.A.: Cliveden, St. Ignatius (pending)

	%	Annual Growth	3 Year Growth	10 Year Growth	Annual Replacement Openings	Avg. Wage
2016 Employment	Middle Skill	+ 1.4%	+ 1.9%	+ 2%	2971	\$69,851
141,320	29%					

- Largest sector; strongest growth sector, and will continue to see growth moving forward into 2024.
- Fastest growing subindustry in services for elderly and disabled.
- Much of the current growth is at the lower and middle skill positions, providing opportunities for program growth in post-secondary training in the WEI division, as well as in our credit programs.
- Post-secondary training as on-ramps to middle skill jobs in the health sector for career advancement.



## Business & Entrepreneurship

- Power Up Peer Learning & Workshops Targeted to West Philadelphia communities and commercial corridor businesses
- Provides community based programming for free to West Philadelphia based business.
- Opportunity for additional program development aligned with the market
- Fab Lab – Non-credit community-based programming and training for entrepreneurs, artisans, students and retirees, who have access to state-of-the-art equipment and expert instruction that promotes innovation.

2016 Employment	111,560	% Middle Skill	31%	Annual Growth	+ .4%	3 Year Growth	+1.4%	10 Year Growth	- 1.2%	Annual Replacement Openings	2301	Avg. Wage	\$ 118,318
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- Third largest target sector in Philadelphia
- Hiring in Philadelphia has exceeded metro and state rates
- 3700 new jobs added through 2024

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## Technology

2016 Employment	% Middle Skill	Annual Growth	3 Year Growth	10 Year Growth	Annual Replacement Openings	Avg. Wage
15,134	32%	+ 1.8%	+ 8.5%	+ 4.1%	279	\$ 126,675

- Second-smallest target sector in Philadelphia
- Pace of hiring in Philadelphia accelerated quickly, with average annual job growth of 8.5% since 2013
- Rapid employment in Philadelphia compared to metro level
- Tech services wages grew in the city by 20% over the past decade
- Computer User Support Specialists grew over the last decade
- Other notable occupations that have grown include: Office Clerks, Sales Reps, Web Developers, Customer Service Representatives
- Need to Grow Programs Offered
- Entry-level salaries for Computer User Support Specialists (post-secondary training) close to \$40,000
- Significant growth in field and related positions



## Greater Philadelphia Access to Workforce Programs

- Proprietary Higher Education
  - PTTI – Philadelphia (former Berean Institute) – Welding & Automotive - \$18,000 annually
  - Industrial Training & Testing Institute – Philadelphia (Port Richmond) – Welding - \$6000
  - Pennco Tech - Bristol – Pharmacy Tech - \$11,900
  - All-State – Essington, PA - Welding, Dental Assisting - \$20,000

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# Greater Philadelphia Access to Workforce Programs Cost Comparison

Public Higher Education

- DCCC, Montco, Bucks, Camden (Healthcare, Technology & Advanced Manufacturing Programs)

	CCP	DCCC	Bucks	Montco	Camden
<b>Healthcare</b>					
Dental Assisting	\$ 2,999	\$ 3,580	\$ 2,300	N/A	Credit
Pharm Tech	\$ 1,525	\$ 2,150	\$ 2,205	\$ 2,100	\$ 1,295
Nursing Assistant	\$ 1,495	\$ 986	\$ 1,250	\$ 1,500	Credit
<b>Manufacturing</b>					
Welding	\$ 6,000	\$ 3,999	Grant Funded	CTE	\$ 4,750
CNC	\$ 4,200	\$ 4,995	N/A	\$ 3,400	\$ 3,999
Electro-Mechanical	\$ 9,220	Credit Certificate	Grant Funded	N/A	Credit Program
<b>Technology</b>					
CompTIA A+	\$ 1,649	\$ 1,699	\$ 1,895	\$ 1,800	\$ 2,200

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# Position Outlook, Salaries, Openings, Program Cost Advanced Manufacturing & Logistics

	SOC Code	SOC Title	Entry Level Wages	Annual Average Wages	Estimated 2014 State HPO Employment	Projected 2024 State HPO Employment	Regional Annual Openings EMSI	CCP Tuition & Fees
		Welders, Cutters, Solderers & Brazers	\$38,910	\$51,830	720	780	30	\$ 6,000
	51-4041	Machinists	\$33,550	\$50,890	660	750	226	\$ 4,200
Electro-Mechanical, Transit Trades								9 Modules Range from \$880 - \$1380 All 9 = \$9220
	49-9041	Industrial Machinery Mechanics	\$39,920	\$54,890	950	1,130	320	
		Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$ 55,550	\$70,280	781	729* Philadelphia shows growth	78TBD	
Process Operator	51-8093							
Forklift Operator	53-7051	Industrial Truck and Tractor Operators	\$32,400	\$42,280	930	970	620TBD	

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# Position Outlook, Salaries, Openings, Program Cost

## Construction & Infrastructure

	SOC Code	SOC Title	Entry Level Wages	Annual Average Wages	Estimated 2014 State HPO Employment	Projected 2024 State HPO Employment	Regional Annual Openings EMSI	CCP Tuition & Fees
Gas Distribution	47-2152	Plumbers, Pipefitters & Steamfitters	\$45,930	\$71,030	1,570	1,750	39	\$5,189

## Automotive

	SOC Code	SOC Title	Entry Level Wage	Annual Average Wage	Estimated 2014 State HPO Employment	Projected 2024 State HPO Employment	Regional Annual Openings EMSI	CCP Tuition & Fees
Automotive	49-3023	Automotive Service Technicians and Mechanics	\$20,090	\$37,470	2,600	2,660	894	CCP Tuition for Credit PC and Degree; Emissions and \$175, Safety Inspector \$170

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# Position Outlook, Salaries, Openings, Program Cost

## Healthcare

	SOC Code	SOC Title	Entry Level Wages	Annual Average Wages	Estimated 2014 State HPO Employment	Projected 2024 State HPO Employment	Regional Annual Openings	CCP Tuition & Fees
Pharm Tech	29-2052	Pharmacy Technicians	\$22,660	\$33,720	2,090	2,200	587	\$1,525
C.N.A.	31-1014	Nursing Assistants	\$24,560	\$32,040	11,700	12,850	3845	\$1,495
Dental Assisting	31-9091	Dental Assistants	\$28,470	\$39,680	1,500	1,570	565	\$2,999
Direct Care Worker	39-9021	Personal Care Aides		\$20,550	51,415	64,966	10,764	TBD
Central Sterile/Surg. Processing* Data from EMSI	29-2055 31-9093	Surgical Technical Equipment Preparer		\$37,520	2215	2285	231	TBD
Phlebotomy	31-9097	Phlebotomists	\$30,920	\$38,330	870	1,030	183	Contract

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# Position Outlook, Salaries, Openings, Program Cost

## Technology

	SOC Code	SOC Title	Entry Level Wage	Annual Average Wage	Estimated 2014 State HPO Employment	Projected 2024 State HPO Employment	Regional Annual Openings EMSI	CCP Tuition & Fees
CompTIA A+	15-1151	Computer User Support Specialists	\$39,090	\$59,780	2,710	2,960	728	\$1,649

### Data Sources:

#### Industry Market Outlooks

- Data Source: PEL Industry Analytics for City of Philadelphia's Workforce Strategy

#### Industry Specific Positions

- Data Sources: Philadelphia and Regional High Priority Occupations List, EMSI – Labor Market Analytics

#### Other Data Sources Used for Program and industry analysis

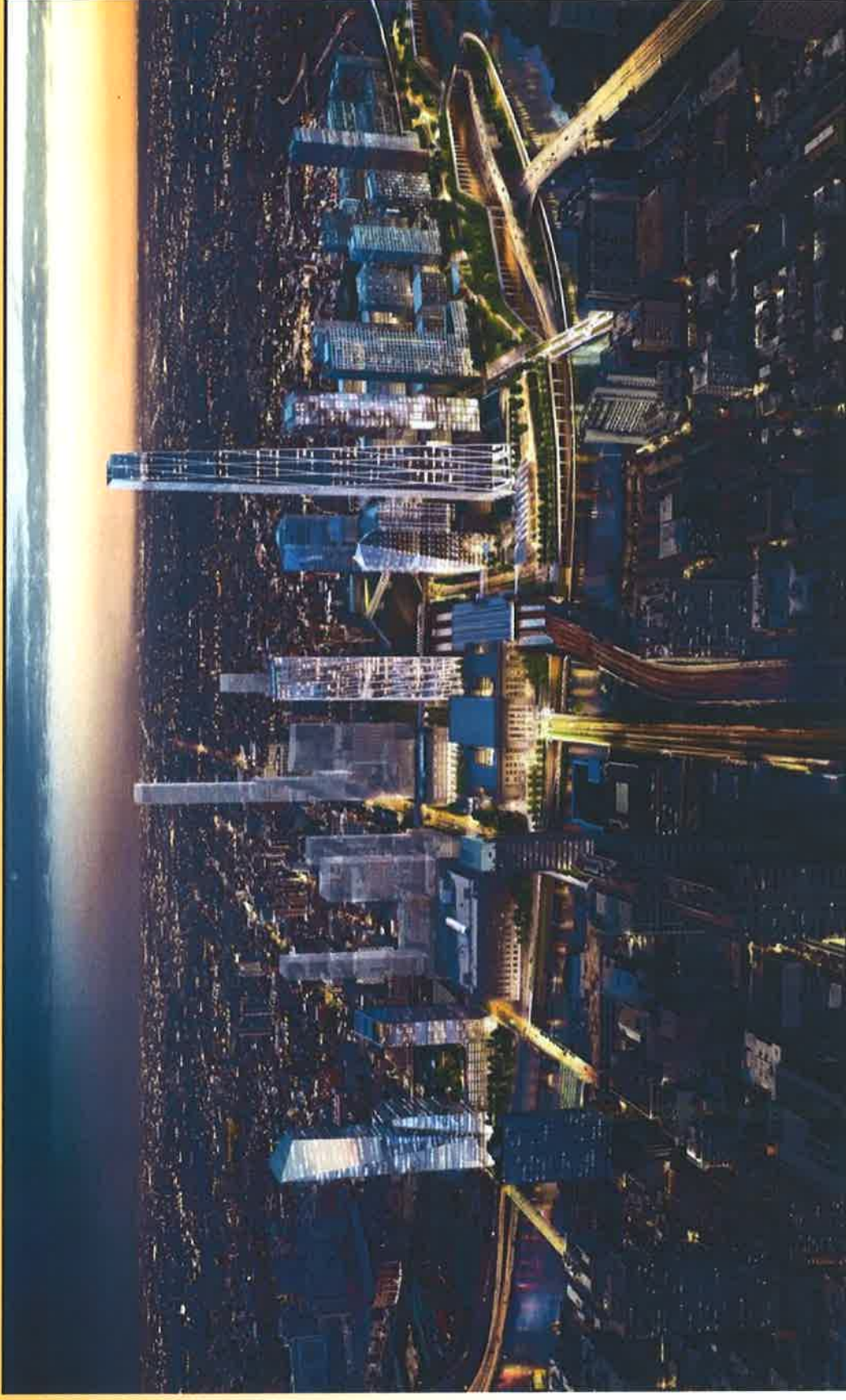
- Philadelphia Works Data and Trends (pulls from above and other sources)
- O-Net
- Center for Workforce Information & Analysis
- Econsult Market Analysis - Pending

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# Schuylkill Yards Facing West Philadelphia



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**ATTACHMENT 2**

**Career and Advanced Technology Center**

<b>Projected Program Net Revenues</b>	<u>Current</u>	<u>Year 1 Projections</u>	<u>Year 5 Projections</u>
Net Revenues from Credit Courses other than Automotive Technology *	\$676,300	\$277,300	\$399,300 *
Net Revenues from Additional Noncredit Workforce Development Courses		890,200	1,322,000
Net Revenues from Automotive Technology Credit Program	(93,200)	11,400	124,100 *
<b>Total Net Revenues from Programs</b>	<b>\$583,100</b>	<b>\$1,178,900</b>	<b>\$1,845,400</b>
<b>Projected Operational Costs</b>			
Elimination of Lease Payment			(\$172,000)
Administrative Services	\$225,200	\$329,200	363,400
Student and Academic Services	474,200	516,400	570,000
Utilities	59,000	131,200	142,000
Security and Cleaning Services	427,200	632,500	698,200
<b>Total Operational Costs</b>	<b>\$1,185,600</b>	<b>\$1,609,300</b>	<b>\$1,601,600</b>
<b>Projected Excess (Expenses) / Revenues</b>	<b><u>(\$602,500)</u></b>	<b><u>(\$430,400)</u></b>	<b><u>\$243,800</u></b>

\* Assumes no increase in Tuition or Fees  
 Tuition last increased in FY18  
 Fees last increased in FY17

**Career and Advanced Technology Center**

<u>Transportation Technology Programs</u>	<u>Year 1 Projections</u>	<u>Year 5 Projections</u>
Tuition & Fees from Transportation Technology Students	\$708,800	\$1,134,200 *
Salaries - Existing	\$314,000	\$347,100
Salaries - New	166,500	328,400
Staff Benefits - Existing	141,900	156,200
Staff Benefits - New	48,000	131,400
Other Expenses	27,000	47,000
Total Expenses	<u>\$697,400</u>	<u>\$1,010,100</u>
<b>Excess Revenues over Expenses</b>	<b><u>\$11,400</u></b>	<b><u>\$124,100</u></b>

\* Assumes no increase in Tuition or Fees  
 Tuition last increased in FY18  
 Fees last increased in FY17

**Career and Advanced Technology Center**

	<u>Year 1 Projections</u>	<u>Year 5 Projections</u>
<u>Healthcare</u>		
Central Sterile	\$45,699	\$63,979
Dental Asst *	131,899	184,658
Direct Care Worker	2,136	2,990
Nurse Aide *	72,215	101,101
Pharmacy Tech *	19,263	26,968
Phlebotomy Lab *	160,880	225,232
<u>Software &amp; Tech</u>		
Comptia A+ *	59,922	83,891
<u>Technical Training</u>		
AutoCad *	8,966	12,552
Automotive Non-Credit	68,243	95,540
BluePrint Reading *	3,767	5,274
CNC *	46,810	65,534
Electro-Mech *	107,534	150,548
Emissions EIC *	31,895	44,653
Emissions ReCert *	10,505	14,707
Forklift Operator *	2,324	3,254
Gas Distribution *	80,699	112,979
OSHA Gen'l Industry *	1,657	2,320
Process Operator Academy	71,248	99,747
Safety Inspector Mechanic *	27,763	38,868
SEPTA Trades *	46,834	65,568
Shop Math *	3,447	4,826
Welding *	<u>75,872</u>	<u>106,190</u>
Totals	\$1,079,578	\$1,511,379
Less Current Net Revenues	\$189,378	\$189,378
<b>Total Net Revenues</b>	<b>\$890,200</b>	<b>\$1,322,000</b>

\* Existing Program



## Career and Advanced Technology Center

### Tuition Rates for Noncredit Programs

<u>Healthcare</u>	
Central Sterile	Contract (Vocational Skills Training)
Dental Asst *	\$2,999
Direct Care Worker	\$710
Nurse Aide *	\$1,495
Pharmacy Tech *	\$1,525
Phlebotomy Lab *	Contract (Vocational Skills Training)
<u>Software &amp; Tech</u>	
Comptia A+ *	Contract (Vocational Skills Training)
<u>Technical Training</u>	
AutoCad *	\$574
Automotive Non-Credit	Contract (Vocational Skills Training)
BluePrint Reading *	\$530
CNC *	\$4,200
Electro-Mech *	\$8,000
Emissions EIC *	\$265
Emissions ReCert *	\$124
Forklift Operator *	Contract (Vocational Skills Training)
Gas Distribution *	\$5,189
OSHA Gen'l Industry *	\$199
Process Operator Academy	\$4,200
Safety Inspector Mechanic *	\$170
SEPTA Trades *	Contract (Vocational Skills Training)
Shop Math *	\$510
Welding *	\$6,000

\* Existing Program

**ATTACHMENT 3**

**Career and Advanced Technology Center  
Construction Cost Projections**

	Square Feet	Construction/ Square Feet	Cost
Floor 1	25,000	\$275	\$ 6,875,000
Floor 2	25,000	\$350	8,750,000
Floor 3	25,000	\$350	8,750,000
			<u>24,375,000</u>
Contingency		5%	1,218,750
Demolition Existing Building	24,000		300,000
Parking	24,000		275,000
			<u>26,168,750</u>
Architect Fee			2,100,000
Construction Manager Fee			500,000
			<u>28,768,750</u>
Furniture & Fitting			750,000
Equipment for Programs			2,600,000
Total Costs			<u>\$ 32,118,750</u>
Less: Grants, Manufacturers' Contributions, Private Donations			<u>1,450,000</u>
Net Total Costs			<u><u>\$ 30,668,750</u></u>

**Notes**

1. Based on PDE approval of \$20M for the project, the State will pay debt service for \$10M. Additionally, PDE approved the College to seek New Market Tax Credits (NMTC).
2. The College will be submitting additional funding for this project to PDE as a FY 19-20 capital project.
3. The State has approved RACP in the amount of \$2.25M. The College has submitted an RACP application for an additional \$9.75M.
4. The College is requesting Lenfest to fund \$2.6M in equipment cost for the programs.

**ATTACHMENT 4**

## Career and Advanced Technology Center Proforma

Traditional Funding (1)		NMTC - \$20 Million Allocation – Taxable Bonds (2)	
Sources	\$	Sources	\$
Bond Proceeds	28,750,929	Bond Proceeds	10,251,514
RACP Funds	2,250,000	RACP Funds	2,250,000
<b>TOTAL SOURCES</b>	<b>31,000,929</b>	New Market Tax Credit	4,625,000
		Bond Issue Taxable	14,065,000
		<b>TOTAL SOURCES</b>	<b>31,191,514</b>
Uses		Uses	
Project Cost	30,668,750	Project Cost	30,668,750
Cost of Issuance	332,179	Cost of Issuance	522,764
<b>TOTAL USES</b>	<b>31,000,929</b>	<b>TOTAL USES</b>	<b>31,191,514</b>

Notes:

1. The traditional funding assumes the issuance of all tax-exempt bonds as a single series of bonds to fund the entire project.
2. The taxable bonds assume a taxable bond issue with interest only payments for the first 7 years and amortizing principal over the next 13 years. The interest only payments for the first 7 years is a New Market Tax Credit(NMTC) requirement. The estimated costs of issuance are elevated given the separate financings of tax-exempt bonds and a taxable bond issue. NMTC requires taxable bonds as part of the package.
3. PDE's approval for the project is \$20 million and the State's share of the debt service is 50%, i.e. the State will cover debt service on \$10 million.
4. The debt service split between the State and City/College is attached herewith for the 2 options.

## Debt Service Proforma

Traditional Funding				NMTC - \$20 Million Allocation			
Debt Service		City Share (65.2%)	State Share (34.8%)	Debt Service		City Share(58.4%)	State Share (41.6%)
Year 1	109,667	70,563	\$39,104	Year 1	95,950	56,846	39,104
Year 2	2,111,000	1,356,750	754,250	Year 2	1,436,403	682,153	754,250
Year 3	2,111,250	1,356,250	755,000	Year 3	1,437,153	682,153	755,000
Year 4	2,114,500	1,359,500	755,000	Year 4	1,437,153	682,153	755,000
Year 5	2,110,500	1,356,250	754,250	Year 5	1,436,403	682,153	754,250
Year 6	2,114,500	1,361,750	752,750	Year 6	1,434,903	682,153	752,750
Year 7	2,111,000	1,360,500	750,500	Year 7	1,432,653	682,153	750,500
Year 8	2,115,250	1,362,750	752,500	Year 8	1,434,653	682,153	752,500
Year 9	2,111,750	1,358,250	753,500	Year 9	2,235,653	1,482,153	753,500
Year 10	2,110,750	1,357,250	753,500	Year 10	2,236,853	1,483,353	753,500
Year 11	2,112,000	1,359,500	752,500	Year 11	2,235,113	1,482,613	752,500
Year 12	2,111,250	1,360,750	750,500	Year 12	2,235,433	1,484,933	750,500
Year 13	2,110,500	1,358,000	752,500	Year 13	2,237,570	1,485,070	752,500
Year 14	2,112,500	1,359,250	753,250	Year 14	2,236,275	1,483,025	753,250
Year 15	2,111,000	1,358,250	752,750	Year 15	2,236,548	1,483,798	752,750
Year 16	2,111,000	1,360,000	751,000	Year 16	2,233,145	1,482,145	751,000
Year 17	2,112,250	1,359,250	753,000	Year 17	2,236,068	1,483,068	753,000
Year 18	2,114,500	1,361,000	753,500	Year 18	2,239,823	1,486,323	753,500
Year 19	2,112,500	1,360,000	752,500	Year 19	2,239,168	1,486,668	752,500
Year 20	2,111,250	1,356,250	755,000	Year 20	2,239,103	1,484,103	755,000
Year 21	2,110,500	1,359,750	750,750	Year 21	2,234,378	1,483,628	750,750
Total	42,349,417	27,251,813	15,097,604	Total	39,220,393	24,122,797	15,097,604

**Notes:**

Total savings between traditional and NMTC supported financing over 20 years is projected to be less than \$3.1 million. This is before discounting the savings to present value.

**ATTACHMENT 5**

COMMUNITY COLLEGE OF PHILADELPHIA  
Existing Debt as of July 1, 2018

FY	Annual Debt Service	State Share	City Share
FY 18-19	10,286,432	4,885,650	5,400,781
FY 19-20	10,280,532	4,883,688	5,396,844
FY 21-21	10,265,932	4,878,095	5,387,836
FY 21-22	9,943,381	4,723,290	5,220,091
FY 22-23	9,938,881	4,723,164	5,215,717
FY 23-24	7,806,381	3,652,032	4,154,349
FY 24-25	7,801,381	3,651,503	4,149,879
FY 25-26	6,926,881	3,213,228	3,713,654
FY 26-27	6,930,631	3,216,062	3,714,569
FY 27-28	6,925,131	3,213,148	3,711,983
FY 28-29	1,145,131	322,068	823,063
FY 29-30	1,148,631	323,053	825,579
FY 30-31	1,145,131	322,068	823,063
FY 31-32	1,144,881	321,998	822,883
FY 32-33	1,147,631	322,771	824,860
FY 33-34	1,148,131	322,912	825,219
FY 34-35	1,146,381	322,420	823,962
FY 35-36	1,147,381	322,701	824,680
FY 36-37	1,145,044	322,044	823,000
FY 37-38	1,146,438	322,436	824,002
FY 38-39			

\* If PDE funds additional portion of Library/ Learning Commons (\$6M) project, the City share will be \$214,000 lower.  
# PDE will be requested to fund additional portion of WRC Project (\$10M)

COMMUNITY COLLEGE OF PHILADELPHIA  
Existing Debt and \$28.75M Borrowing for WRC  
OPTION 1 - TRADITIONAL TAX-EXEMPT BOND

FY	Annual Debt Service	State Share	City Share	Increase to City Share
FY 18-19	10,396,099	4,924,754	5,471,344	70,563
FY 19-20	12,391,532	5,637,938	6,753,594	*
FY 21-21	12,377,182	5,633,095	6,744,086	*
FY 21-22	12,057,881	5,478,290	6,579,591	*
FY 22-23	12,049,381	5,477,414	6,571,967	*
FY 23-24	9,920,881	4,404,782	5,516,099	*
FY 24-25	9,912,381	4,402,003	5,510,379	*
FY 25-26	9,042,131	3,965,728	5,076,404	*
FY 26-27	9,042,381	3,969,562	5,072,819	*
FY 27-28	9,035,881	3,966,648	5,069,233	*
FY 28-29	3,257,131	1,074,568	2,182,563	*
FY 29-30	3,259,881	1,073,553	2,186,329	*
FY 30-31	3,255,631	1,074,568	2,181,063	*
FY 31-32	3,257,381	1,075,248	2,182,133	*
FY 32-33	3,258,631	1,075,521	2,183,110	*
FY 33-34	3,259,131	1,073,912	2,185,219	*
FY 34-35	3,258,631	1,075,420	2,183,212	*
FY 35-36	3,261,881	1,076,201	2,185,680	*
FY 36-37	3,257,544	1,074,544	2,183,000	*
FY 37-38	3,257,688	1,077,436	2,180,252	*
FY 38-39	2,110,500	750,750	1,359,750	*

\* If PDE funds additional portion of Library/ Learning Commons (\$6M) project, the City share will be \$214,000 lower.  
# PDE will be requested to fund additional portion of WRC Project (\$10M)



COMMUNITY COLLEGE OF PHILADELPHIA  
Existing Debt as of July 1, 2018

FY	Annual Debt Service	State Share	City Share
FY 18-19	10,286,432	4,885,650	5,400,781
FY 19-20	10,280,532	4,883,688	5,396,844 *
FY 21-21	10,265,932	4,878,095	5,387,836 * #
FY 21-22	9,943,381	4,723,290	5,220,091 * #
FY 22-23	9,938,881	4,723,164	5,215,717 * #
FY 23-24	7,806,381	3,652,032	4,154,349 * #
FY 24-25	7,801,381	3,651,503	4,149,879 * #
FY 25-26	6,926,881	3,213,228	3,713,654 * #
FY 26-27	6,930,631	3,216,062	3,714,569 * #
FY 27-28	6,925,131	3,213,148	3,711,983 * #
FY 28-29	1,145,131	322,068	823,063 * #
FY 29-30	1,148,631	323,053	825,579 * #
FY 30-31	1,145,131	322,068	823,063 * #
FY 31-32	1,144,881	321,998	822,883 * #
FY 32-33	1,147,631	322,771	824,860 * #
FY 33-34	1,148,131	322,912	825,219 * #
FY 34-35	1,146,381	322,420	823,962 * #
FY 35-36	1,147,381	322,701	824,680 * #
FY 36-37	1,145,044	322,044	823,000 * #
FY 37-38	1,146,438	322,436	824,002 * #
FY 38-39			

\* If PDE funds additional portion of Library/ Learning Commons (\$6M) project, the City share will be \$214,000 lower.  
# PDE will be requested to fund additional portion of WRC Project (\$10M)

COMMUNITY COLLEGE OF PHILADELPHIA  
Existing Debt and \$28.95M Borrowing for WRC  
**OPTION 2 - TAX-EXEMPT & TAXABLE BONDS w/ NMTC**

FY	Annual Debt Service	State Share	City Share	Increase to City Share
FY 18-19	10,382,382	4,924,754	5,457,627	56,846
FY 19-20	11,716,935	5,637,938	6,078,997 *	682,153
FY 21-21	11,703,085	5,633,095	6,069,989 * #	682,153
FY 21-22	11,379,784	5,478,290	5,902,244 * #	682,153
FY 22-23	11,373,784	5,477,414	5,897,870 * #	682,153
FY 23-24	9,239,034	4,404,782	4,836,502 * #	682,153
FY 24-25	9,236,034	4,402,003	4,832,032 * #	682,153
FY 25-26	9,162,534	3,965,728	4,395,807 * #	682,153
FY 26-27	9,167,484	3,969,562	5,196,722 * #	1,482,153
FY 27-28	9,160,244	3,966,648	5,195,336 * #	1,483,353
FY 28-29	3,380,564	1,074,568	2,305,676 * #	1,482,613
FY 29-30	3,386,201	1,073,553	2,310,512 * #	1,484,933
FY 30-31	3,381,406	1,074,568	2,308,133 * #	1,485,070
FY 31-32	3,381,429	1,075,248	2,305,908 * #	1,483,025
FY 32-33	3,380,776	1,075,521	2,307,005 * #	1,482,145
FY 33-34	3,384,199	1,073,912	2,308,287 * #	1,483,068
FY 34-35	3,386,204	1,075,420	2,310,285 * #	1,486,323
FY 35-36	3,386,549	1,076,201	2,311,348 * #	1,486,668
FY 36-37	3,384,147	1,074,544	2,307,103 * #	1,484,103
FY 37-38	3,380,816	1,077,436	2,307,630 * #	1,483,628
FY 38-39	2,234,378	750,750	1,483,628 *	1,483,628

\* If PDE funds additional portion of Library/ Learning Commons (\$6M) project, the City share will be \$214,000 lower.  
# PDE will be requested to fund additional portion of WRC Project (\$10M)