

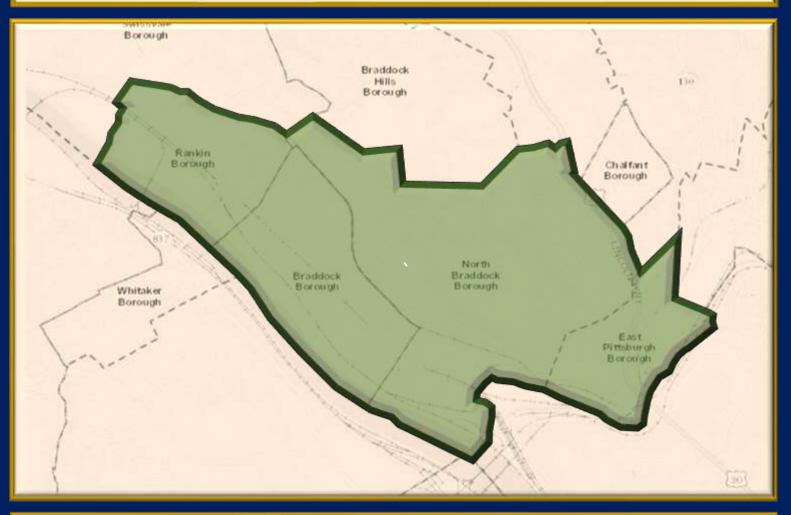
Braddock-Borough East Pittsburgh Borough North Braddock Borough Rankin Borough



Current Demographics of the Municipalities

CATEGORY	Braddock	East Pittsburgh	North Braddock	Rankin	TOTALS	
Population	2,114	1,763	4,696	2,041	10,614	
% of Population	20%	17%	44%	19%	100%	
Population Density per sm	3,775	4,407	2,863	4,638	3,492	
Square Miles	.56	.40	1.64	.44	3.04	
% of Square Miles	18%	13%	54%	15%	100%	
Housing Units	1,121	1,093	2,921	1,080	6,215	
Total Road Miles	11.47	7.53	26.61	5.71	51.32	
% of Road Miles	22%	15%	52%	11%	100%	
Full-Time Police Officers	0	0	1	1	2	
Part-Time Police Officers	8.5	0	13	9.5	31 (15.5 FTE)	
Police Clerical Staff	0	0	0	0	0	
Police Vehicles	4	0	5	5	14	

Proposed Allegheny County Regional Police Department Braddock, East Pittsburgh, North Braddock, & Rankin Boroughs



3.04 Square Miles & 10,614 Combined Population 3.1 Miles E to W & 1.7 Miles N to S

Proposed Regional Police Costs

Proposed Police Staffing Levels

International Association of Chiefs of Police (IACP) Staffing Formula

Category	Totals
Combined Population (2018 from the municipalities & U.S. Census)	10,614
1) Number of Estimated Incidents (@ 550 annually per 1,000 residents)	5,838
2) Time Spent on Incidents; 45 Minutes Average (Multiply above by .75)	4,379
3) Buffer Time for Patrol & Administrative Duties (Multiply above by 3)	13,137
4) Staffing Hours (Divide above by 2920)	4.5
5) Availability Hours (Multiply above by 1.72)	7.8
PATROL OFFICERS Required	8
Additional Officers Recommended (1 Detective & 1 Patrol/Traffic Officer)	2
Sergeant	1
Chief of Police	1
Police Secretary	1
Total Full-Time Police Officers Recommended	12
Total Part-Time Police Officers Recommended	6 (3 FTE)

Proposed Regional Budget - Personnel Costs

Salary of Police Chief	\$63,000			
Salary of Sergeant	\$52,000			
Salary of Full Time Officers/Detective (10 @ \$50,000 average)	\$500,000			
Salary of Staff (1 Secretary @ \$30,000)	\$30,000			
Overtime (12 FT Officers @ \$2,500 average; 833 Hours or 16 Hours/Week)	\$30,000			
Part Time Officer Salaries (5,333 Hours @ \$18.00/Hour)	\$96,000			
SALARIES	\$771,000			
BENEFITS (Includes all below items for 13 FT personnel @ \$40,000 average)	\$520,000			
Medical / Dental / Vision Insurance	Included			
Social Security / Medicare	Included			
Life Insurance / Liability Insurance	Included			
• Contractual Payments (Longevity, OIC Positions, Educational, Cleaning, etc.)	Included			
Workers Comp / Unemployment Insurance	Included			
Municipal Pension (MMO / Other) Contributions	Included			
PERSONNEL COST TOTAL (83% of the Proposed Budget)	\$1,291,000			

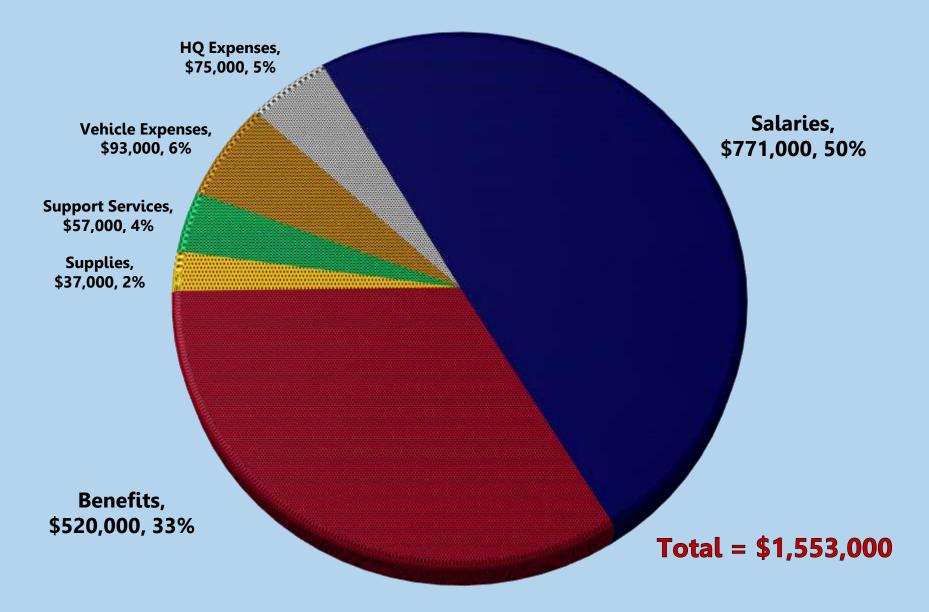
Police Executive Research Forum Washington, D.C. Police Personnel Cost Survey

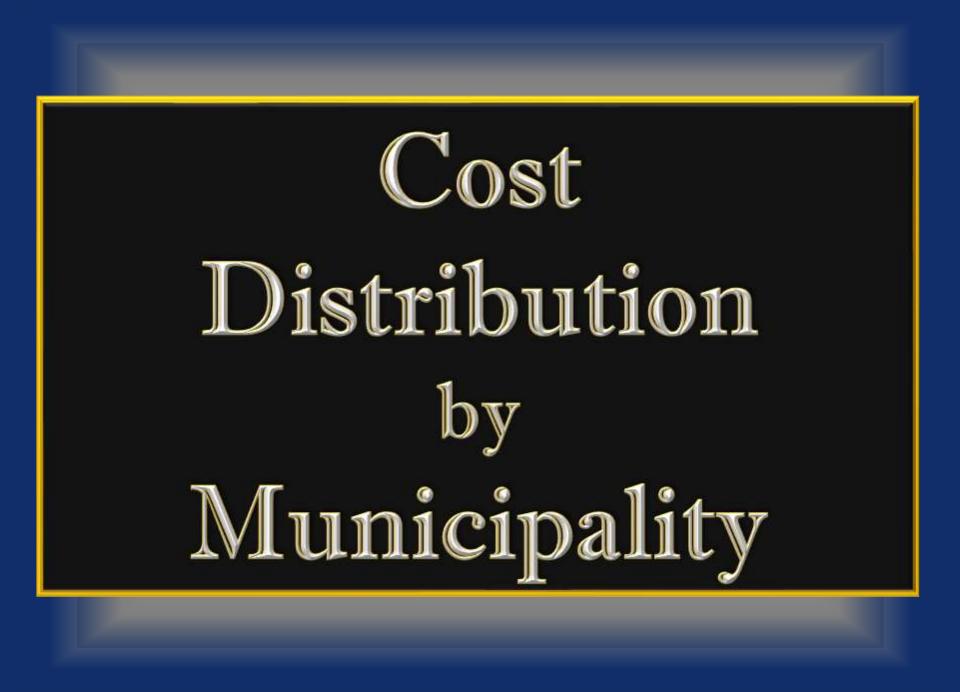
- PERF conducted a budget survey of 297 various sized Police Departments throughout the U.S.
- On average, it found that those police departments spent 85% of their annual budgets on personnel costs.
- The range of these percentages was from 61% to 98.5%.
- The Allegheny County Regional P.D.'s proposed personnel costs are projected at 83%, or just <u>2% under</u> the national survey average.

Proposed Regional Budget; Non-Personnel Costs

Uniforms & Related Equipment (12 FT Officers @ \$1,000 each; 6 PT @ \$500 each)	15,000						
Office Supplies & General Equipment	12,000						
Education & Training (12 Officers @ \$500 average)	6,000						
Dues, Memberships & Legal Publications (12 Officers @ \$100 average)	1,200						
Computers & Related Equipment, Software Updates, RMS & Data Services	5,000						
Police Equipment (New Purchases, Maintenance and Repairs)	5,000						
Vehicle Maintenance & Repairs (\$18,000 - 9 Vehicles @ \$2,000 average / \$10,000 for Tires)	28,000						
Vehicle Gas & Oil (9 Vehicles @ \$4,000 average)	36,000						
Vehicle & Property Insurance	12,000						
Utilities & Building Maintenance	13,000						
Crime Prevention & Public Relations Programs	2,000						
Traffic Enforcement Equipment & Maintenance	2,000						
Capital Vehicle Expenses (Listed Below)							
Vehicles – No New Vehicles Proposed for 2021 / Annual Reserve	15,000						
• Updated Vehicle Painting, Decaling & Equipment (9 Retained Vehicles @ \$1,000 each)	9,000						
Miscellaneous Expenses (First Aid Supplies, Ammo, Other Supplies, etc.)	5,000						
Telephones & Related Service Expenses (Includes Postage)	5,000						
Headquarters Expenses (\$48,000 Annually for 4,800 sf HQ Rental; plus New Signs, etc.)	50,000						
Legal Services (Regional Police Commission Solicitor & Initial Legal Expenses	30,800						
Accounting, Financial Services & Software (Payroll Processing, Accounts, etc.)	10,000						
NON-PERSONNEL COST TOTAL (17% of the Proposed Budget)							

Budget Breakdown by Category





Regional Police Budget Cost Distribution by Municipality 12 FT Officers, 6 PT Officers, & 1 Secretary; \$1,553,000 Total Proposed Budget

Municipality	Population	Proposed Formula Share of Total Budget	2018 Municipal Police Budget	2021 Regional Police Budget & 2018 Difference	2021 Per Capita Costs & 2018 Difference
Braddock	2,114	22%	\$409,816	\$341,660 (- \$68,156)	\$162 (- \$32)
East Pittsburgh	1,763	21%	\$409,737	\$326,130 (- \$83,607)	<mark>\$185</mark> (- \$47)
North Braddock	4,696	37%	\$579,704	\$526,610 (-\$48,000 Rent Included) (- \$53,094)	\$112 (- \$11)
Rankin	2,041	20%	\$326,658	\$310,600 (- \$16,058)	\$152 (- \$8)
Totals	10,614	100%	\$1,725,915	\$ 1,505,000 (- \$220,915)	\$142 (- \$25)

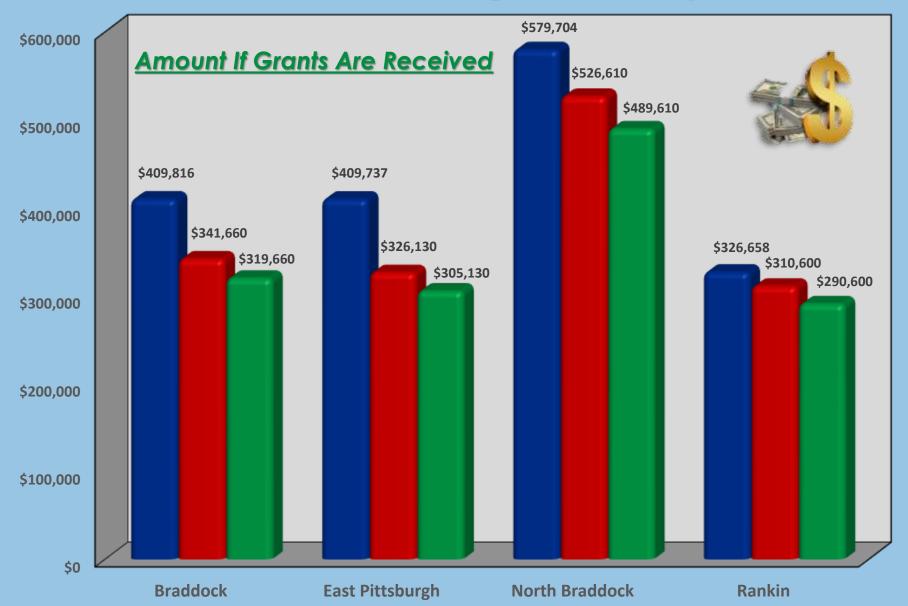
<u>Note</u> – Three DCED studies have shown an average cost reduction of 25%, after the first year, for Regional Police Departments in Pennsylvania

Possible <u>Regional Police Only</u> Grants

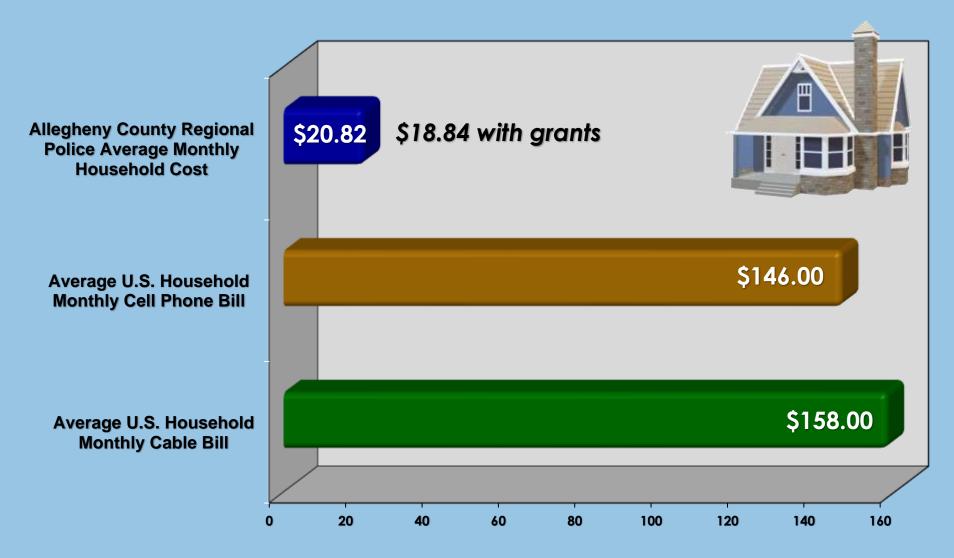
Borough	% of Grant Money If Grants Rec'd	Possible \$100,000 If Grants Rec'd	New Budget Amount If Grants Rec'd	2021 Per Capita w/o Grants	2021 Per Capita If Grants Rec'd
Braddock	22%	\$22,000	\$319,660	\$162	\$151
E Pittsburgh	21%	\$21,000	\$305,130	\$185	\$173
N Braddock	37%	\$37,000	\$489,610	\$112	\$104
Rankin	20%	\$20,000	\$290,600	\$153	\$ 142
Total	100%	\$100,000	\$ 1,405,000	\$142	\$ 132

NOTE – The two <u>possible</u> grant sources would be the DCED Municipal Assistance Program & the PCCD Regional Police Chiefs Salary and Benefit Grant

2018 vs 2021 Budget Comparison



Some Monthly Household Costs



Allegheny County Regional Police Department & Woodland Hills School District Per Capita Cost Comparison



2021 Proposed Regional PD Budget (10,614 Pop.) = \$1,553,000 2020 - 21 Woodland Hills SD Budget (52,876 Pop.) = \$102,547,406



Western PA Regional Police Department Comparison

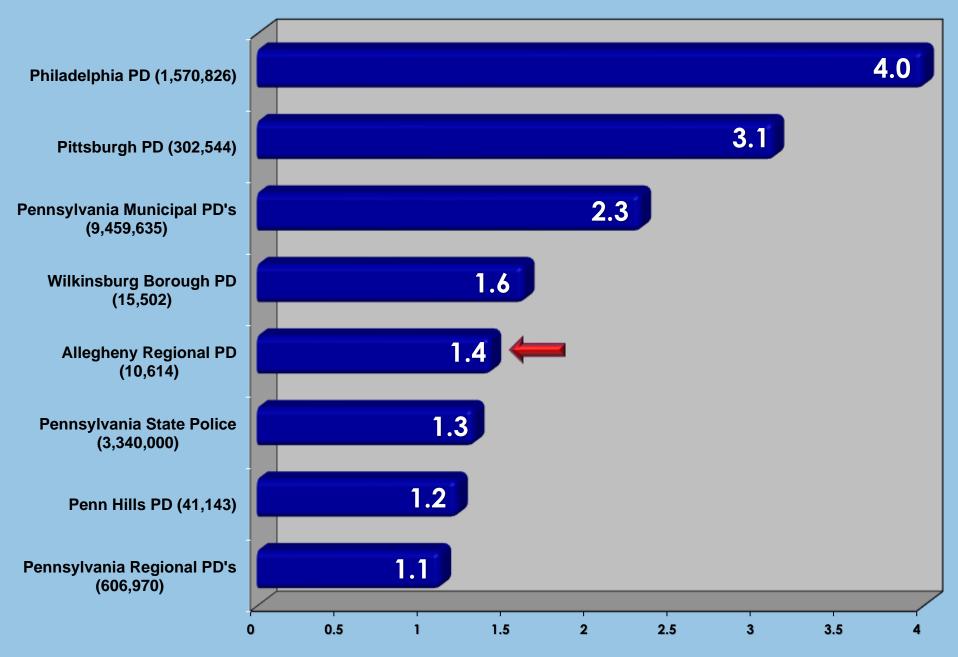
3 Current Regional PD's (4,500 – 12,000 Population) (County)	Population	Officers	Square Miles	Towns	2018 Police Budgets (2021 for AC Regional)	Officers per 1,000 Persons	Cost per Officer	Cost per Capita
West Hills Regional (Cambria)	11,779	11 FT ^{8 PT} (15)	19.9	3 Boro 1 Twp	\$1,262,861	1.3	\$84,190	\$107
Allegheny County Regional (Proposed)	10,614	12 FT ^{6 PT} (15)	3.0	4 Boro	\$1,553,000	1.4	\$103,533	\$142
Charleroi Regional (Washington)	7,754	8 FT 12 PT (14)	3.2	4 Boro	\$1,012,686	1.8	\$72,335	\$131
Seven Fields Regional (Butler)	4,806	3 FT 9 рт (7.5)	2.0	2 Boro	\$830,115	1.6	\$110,682	\$173
AVERAGE	8,738	8.5 FT ^{9 PT} (13)	7.0	3.5	\$1,164,665	1.5	\$9 2, 685	\$138

PA Borough Police Department Comparison

7 Borough Police Departments (9,400 – 11,400 Population & County)	Population	Square Miles	Officers	Clerks	Officers per 1,000 Persons
Jefferson Hills (Allegheny)	11,309	16.6*	15	1	1.3
Darby (Delaware)	10,702	.8	17	1	1.6
Lansdowne (Delaware)	10,650	1.2	15	3	1.4
Allegheny Regional	10,614	3.04	15	1	1.4
Berwick (Columbia)	10,030	3.25	16	2	1.6
Northampton (Northampton)	9,884	2.7	12	2	1.2
Bristol (Bucks)	9,618	1.9	14	2	1.45
Lititz (Lancaster)	9,448	2.3	15	2	1.6
AVERAGE (8)	10,282	2.17	15	2	1.45

* Jefferson Hills Borough not included in Square Mile average

Officers per 1,000 Population in Pennsylvania



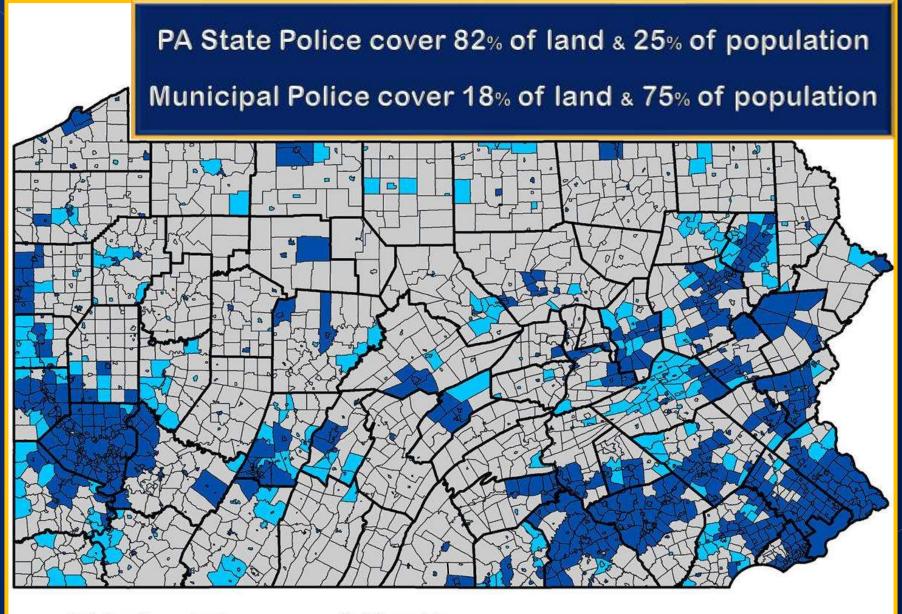
40 Regional PD's in 25 Counties (142+ Municipalities) 215 more contract coverage from other Police Departments



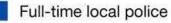
640 Full-Time & 130 Part-Time Officers Regional PD average is 1.1 Officers per 1,000

Allegheny County Regional Police Departments

- Northern Regional 3 Municipalities
- Allegheny Valley Regional 2 Municipalities
- Ohio Township Contracting Services to 7 bordering Municipalities
- 8 Other Contractual Agreements are currently in effect between 2 Municipalities in Allegheny Co.



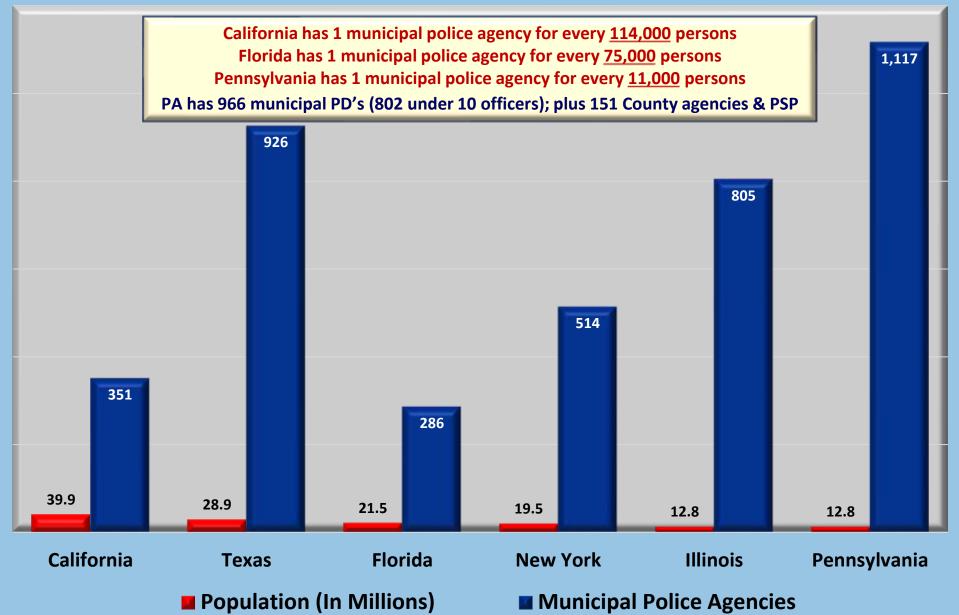
Full-time Pennsylvania State Police Part-time state police/local police



Map provided by the Pennsylvania State Police. Updated Jan. 1, 2016.

Six Largest States; Police Agency Comparisons

Sources: 2018-2019 FBI Uniform Crime Reports (California, Texas, Florida, New York, Illinois, Pennsylvania); 2019 U.S. Census Updates



Vehicles & Headquarters Recommendations

Proposed Police Vehicles

(IACP Recommended Ratio is 1.5 to 2.0 Officers per Vehicle)

# Officers	# Vehicles	Ratio
12 FT 6 PT (3 FTE) (15)	9	1.67

Proposed Police HQ Size & Cost

(IACP Recommended Minimum is 250 SF per Full-time Employee)

Total Employees Police Officers (15) Secretary (1)	HQ Size @ 300sf per Employee Recommended (16 x 300 sf)	Annual amount for the rental of 4,800 square feet (\$10/sf) at the current North Braddock PD which will become the new Regional PD Headquarters
16	4,800	\$48,000

North Braddock PD – Proposed New 4,800 sf Regional Police Headquarters







- Slate Belt Regional Police Department, Northampton County, PA Established March, 2015 for Pen Argyl Borough, Wind Gap Borough & Plainfield Township Population 12,453 with 21 Full-Time Officers
- DCED (via IACP Formula) estimated the annual incidents to be 6,849
- In 2016, the actual reported incidents were 6,691 (-158 or -2%)
- In 2015, DCED estimated the Cost per Officer to be \$107,700
- In 2017, the actual Cost per Officer was \$114,285 (+6% over 3 years)
- From 2016 thru 2019, the total PD budget has increased only 3.35%
- From 2016 thru 2018, the total grant amounts received was \$391,127

Southern Chester County Regional Police Department

20 Full-Time Officers & 2 Staff Personnel Current Population 16,395 Established January, 2017 for

New Garden Township, West Grove Borough & Avondale Borough (Joined 2018)

- DCED (via IACP Formula) estimated the incidents at 8,192
- In 2017, the actual incidents were 8,472 (+280 or +3%)
- 2017, DCED estimated the Cost per Officer at \$152,000
- 2017, Actual Cost per Officer was \$127,213 (-\$25,000)
- 2017, Grant amounts received were \$138,261
- 2018, PA Dept. of Education grant for SRO \$60,000
- 2018, U.S. DOJ "COPS" grant for new Officer \$75,000

Central Bucks Regional Police Department Budget & Grants for 2017 - 2019

- 2019 Approved Budget = \$5,729,793 2019 Budget Used = \$5,714,912 (Under by \$22,434)
- Federal: U.S. DOJ Officer Body Cameras



- <u>State</u>: DCED Municipal Police Assistance and Start-up Regionalization Expenses
- State: PCCD Police Chief's Salary & Benefits (3 years)
- <u>State</u>: PA Liquor Control Board Underage Drinking and Dangerous Drinking Enforcement
- <u>State</u>: PA grant for \$1.5M toward new PD HQ & Municipal Building in Doylestown Borough
- State: PCCD \$10,000 grant for Technology Upgrades
- Local: Delaware Valley Insurance Trust Equipment items

Potential Grants for Future Cost Reductions

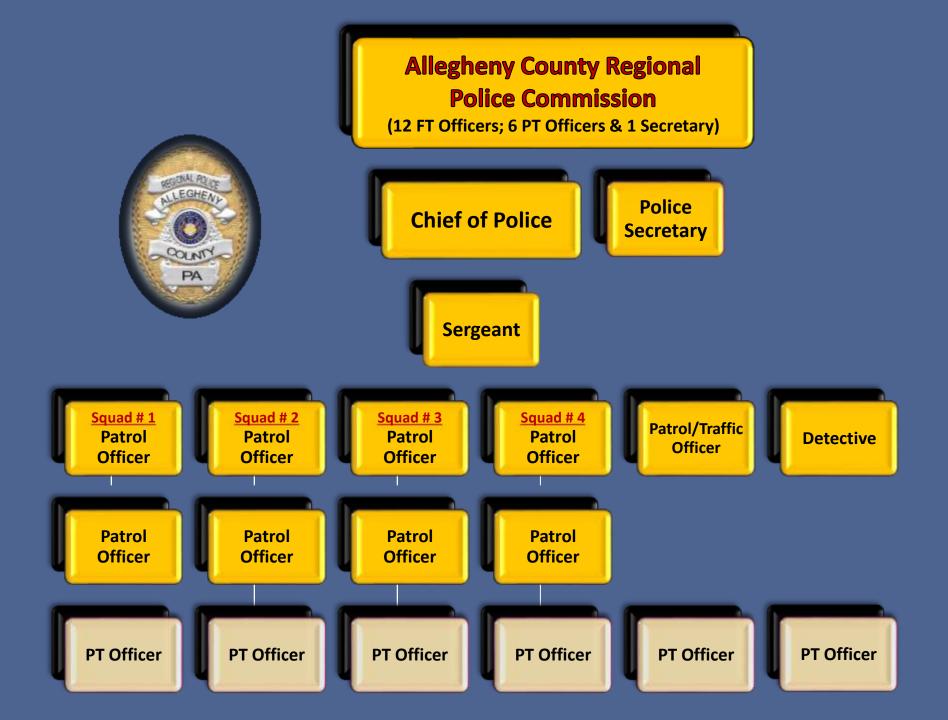
- PA DCED Grant for start-up costs & equipment *Regional PD's Only*
- PA Crime & Delinquency Grant for Police Chief's salary & benefits Regional PD's Only
- Various Federal and/or State Grants (Body & Car Cameras, Mobile Technology, etc.)
- PA Liquor Control Board Grants (DUI Patrols & Checkpoints, Underage Drinking, etc.)
- Private or Corporate Grants (MADD, SADD, Insurance Companies, Foundations, etc.)
- PA Department of Education Grants (SRO Positions, School Safety Training Programs)
- Average of the three previously reported Regional PD grants is +/- \$150,000 each year

Operational & Financial Benefits

For Each Participating Borough -

- New 12 FT Officer PD (8 Patrol, 1 Traffic, 1 Detective, 1 Sergeant, Chief of Police, 1 Secretary)
- 6 Part-Time Officers (3 Full-Time Officer Equivalent; for Extra and Substitute Coverage)
- **Reduction of Police Vehicles** from 14 to 9 (Overall savings of approximately \$50,000)
- Percentage return of any State or Federal grant money received (\$100,000 anticipated)
- Expanded 4,800 sf Police Headquarters for a \$48,000 annual rental payment to NBB
- Elimination of all costs for two current Police facilities in Braddock & Rankin Boroughs
- Current PD offices in those two boroughs will become additional Municipal office space
- Combined overall cost reduction of \$220,915 when compared to the 2018 PD budgets





Annual Officer-Hours Worked

Full Time Officers	20,424							
Overtime	Overtime 12 Officer Total							
Part Time Officers	5,333							
Total Offic	cer-Hours	26,590						
With 72.8 officer-hour be an average of <u>3 (</u> times - 24 h	26,590 / 365 = 72.8 per day							

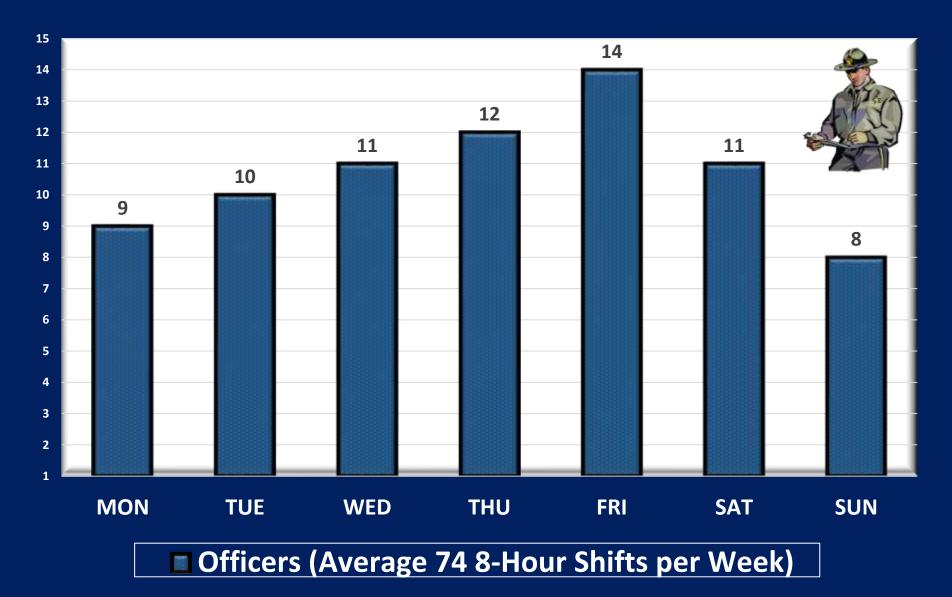
Sample One Month 8-Hour Schedule

(Shifts = # 1 – 7am x 3pm; # 2 – 3pm x 11pm; # 3 – 11pm x 7am; # 4 – 9am x 5pm; # 5 – 11am x 7pm; # 6 – 8am x 4pm; # 7 – 7pm x 3am) Full Time = 28 Day Rotation (20 Days On / 8 Days Off) Part Time = 16 Hours/Week Average

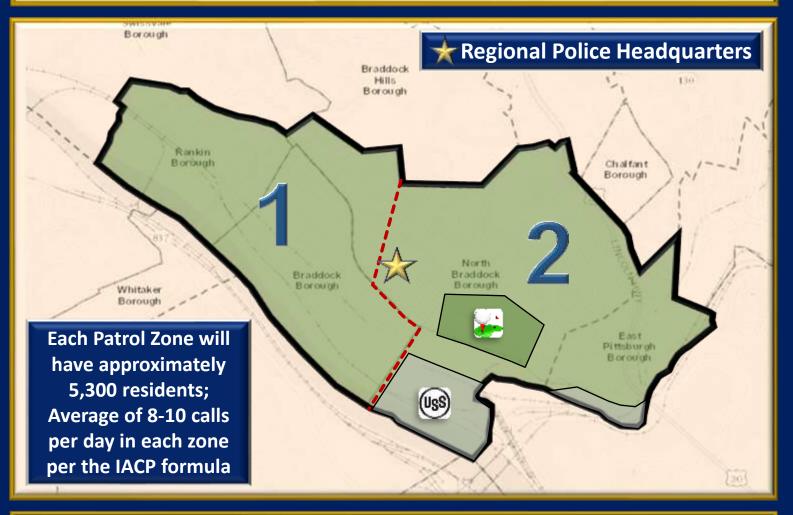
Squad Officer	М	т	w	т	F	S	S	м	т	w	т	F	S	S	М	т	w	т	F	S	S	М	т	w	т	F	S	S	Hrs
1 (2)			3	3	3	3	3	3			2	2	2	2	2	2			1	1	1	1	1	1			3	3	320
2 (2)	3	3			2	2	2	2	2	2			1	1	1	1	1	1			3	3	3	3	3	3			320
3 (2)	2	2	2	2			1	1	1	1	1	1			3	3	3	3	3	3			2	2	2	2	2	2	320
4 (2)	1	1	1	1	1	1			3	3	3	3	3	3			2	2	2	2	2	2			1	1	1	1	320
т/о	х	4	4	4	5	5			4	4	4	5	5			4	4	4	5	5			4	4	4	5	5		160
SGT	4	4	4	2	2			4	4	4	2	2			4	4	4	2	2			4	4	4	2	2			160
DET	6	6	6	6	6			6	6	6	6	6			6	6	6	6	6			6	6	6	6	6			160
CHF	6	6	6	6	6			6	6	6	6	6			6	6	6	6	6			6	6	6	6	6			160
PT 1					2	2						7	7						2	2						7	7		64
PT 2			2	2						7	7						2	2						7	7				64
PT 3				5	5						5	5						5	5						5	5			64
PT 4					2	2	2					7	7	7					2	2	2					7	7	7	96
PT 5					7	7						2	2						7	7						2	2		64
PT 6						5	5						5	5						5	5						5	5	64
TOTAL OFFS	9	10	11	12	14	11	8	9	10	11	12	14	11	8	9	10	11	12	14	11	8	9	10	11	12	14	11	8	2336

Average Officers on Duty per Day with 12 FT & 6 PT Officers

Using a standard 8-Hour Schedule - FT Officers (60 Shifts/Week); PT Officers (14 Shifts/Week Average)



Allegheny Regional PD - Proposed Patrol Zones Braddock, East Pittsburgh, North Braddock, & Rankin Boroughs



3.04 Square Miles & 10,614 Combined Population 3.1 Miles E to W & 1.7 Miles N to S

Zone # 1 – Braddock, Rankin & 25% of North Braddock

24 Hour Daily – One Officer's Coverage Breakdown

- 8 Hours on Responding, Handling & Reporting Incidents/Calls for Service (33%)
- 8 Hours on Administrative Duties: Court, Training, Maintenance, Breaks, etc. (33%)
- 8 Hours on Routine Zone # 1 Patrols (33%)
 - > Approximately 5,300 Persons, 1.3 Square Miles and 26 Road Miles in Zone # 1
 - > 26 Road Miles & 1.3 Square Miles to be patrolled @ 25 MPH Average = 1.04 Hour

Zone #1 would be fully patrolled by an officer approximately 8x every 24 hours (26 Road Miles)

Zone # 2 – East Pittsburgh & 75% of North Braddock

24 Hour Daily – One Officer's Coverage Breakdown

- 8 Hours on Responding, Handling & Reporting Incidents/Calls for Service (33%)
- 8 Hours on Administrative Duties: Court, Training, Maintenance, Breaks, etc. (33%)
- 8 Hours on Routine Zone # 2 Patrols (33%)
 - Approximately 5,300 Persons, 1.2 Square Miles and 25 Road Miles in Zone # 2
 - > Approximately .5 Square Miles where <u>no</u> patrols are required (USS .3 sm & Golf course .2 sm)
 - > 25 Road Miles & 1.2 Square Miles to be patrolled @ 25 MPH Average = 1.0 Hour

Zone # 2 would be fully patrolled by an officer approximately 8x every 24 hours (25 Road Miles)

Summary of the Regional Police Department

- I2 Full-Time & 6 Part-Time Officers including:
 - 1 Chief
 - 1 Sergeant
 - 8 Patrol Officers
 - 1 Patrol / Traffic Officer
 - 1 Detective
 - 1 Secretary
 - 6 Part-Time Officers



- Expanded, centrally located 4,800 sf Regional Police HQ
- 2 Patrol Zones with approximately 5,300 residents in each zone
- MINIMUM coverage by no less than 2 Patrol Officers at all times
- Full coverage and emergency response plans for all schools, etc.
- Increased response times to all calls for service
- 9 Police Vehicles (6 Marked & 3 Unmarked recommended)
- Standardized Uniforms, Cars, Equipment, Reports & Policies
- Eligibility for various State and/or Federal Grants
- Daily per Capita Cost of only .<u>39 per person (.37 with grants rec'd)</u>

The Governor's Center for Local Government Services, and the project consultant, Chief Joseph L. Kirschner (Ret.), would like to thank the government and police officials from the participating municipalities for their excellent cooperation and assistance in the timely completion of this regional study.



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