

**2017-19 DBE METHODOLOGY
AND GOAL FOR PENNDOT FAA
SUBRECIPIENTS**

**DEVELOPED BY THE
PENNSYLVANIA DEPARTMENT
OF TRANSPORTATION**

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OVERVIEW OF THE GOAL-SETTING PROCESS

The following narrative chronicles the efforts of the Commonwealth of Pennsylvania, acting through the Pennsylvania Department of Transportation (“Department”), to establish a DBE participation goal and methodology for federally-aided Airport Block Grants using funds disbursed by the Federal Aviation Administration (“FAA”). The federal regulatory mandate is set forth in Title 49 Code of Federal Regulations Part 26 (Part 26). Under Part 26, goals must be established and submitted to the FAA as well as to the Federal Highway Administration (“FHWA”) and the Federal Transit Administration (“FTA”) on a staggered scheduled triennial basis. This document deals exclusively with the FAA goals. PennDOT’s most recent FAA triennial goals were submitted in August of 2013 pursuant to the calendar established for this submission.

The Regulatory Mandate:

The Department is required to submit new overall goals for DBE participation using the two-step goal-setting process set forth in Section 26.45 of Part 26 as well as the guidelines contained in the United States Department of Transportation’s “Tips for Goal-Setting in the Disadvantaged Business Enterprise Program.” Under Section 26.45, the Department must establish a base figure for DBE availability; describing the evidence with which it was calculated; by making adjustments to that figure, where appropriate; and, describing the evidence relied upon for such adjustments. Under Step One of the goal-setting process, the Department is compelled to calculate DBE availability to set a new overall goal for FAA-assisted contracts based upon “demonstrable evidence of the availability of ready, willing and able DBEs relative to all businesses ready, willing and able to participate” on its FAA-assisted contracts. Under Step Two, the Department must examine all relevant evidence for consideration of a possible adjustment to the base figure to reflect the “effects of the DBE program and the level of participation that would be expected but for the effects of past and present discrimination.”

As an extension of this process, Section 26.45 requires that the Department meet the “maximum feasible portion” of its overall DBE utilization goal through race-neutral means. Under Section 26.51(b), race-neutral means include providing assistance in overcoming limitations such as the inability to obtain bonding or financing by simplifying the bonding process; reducing bonding requirements; eliminating the impact of surety costs from bids; and, providing services to help DBEs and other small businesses obtain bonding and financing. Race neutral participation occurs any time that a DBE wins a prime contract through customary competitive procurement procedures; is awarded a subcontract on a prime contract that does not carry a DBE goal, or even if there is a DBE goal, wins a subcontract from a prime contractor that did not consider its DBE status in awarding the contract (e.g. a prime contractor that uses a strict low bid system to award subcontracts).

Quality of the Goal-setting Data and Collaborative, Interdisciplinary and Stakeholder Approach to Goal-setting

The Department strives to find the most refined and best data available. Each year, the quality and the quantity of the data improves as the Department builds upon historical information obtained during its initial attempt to set goals in earlier years and upon subsequent data obtained up to the present time. This results in a more panoramic view of the local market conditions.

With the above background, the Department takes its goal-setting obligations seriously by recognizing that it must obtain the best available documentation relative to its local marketplace. Consistent with Part 26, the Department continues to avail itself of the best data available from its marketplace and has compiled this data and other information in the manner set forth in Sections 26.45 and 26.51 of Part 26. The Department obtains its measurements from local marketplace data and uses the best data available to establish a goal that is as fair and accurate a representation as possible of the availability of DBEs in the Department's geographic and procurement marketplaces.

As with prior submissions, the Department has expended its own funds for highly qualified research professionals and statistical analysts equipped to analyze and organize local market sector data from an economic, statistical, and sociological perspective. Since, by definition, the establishing of the goal requires analysis of available and applicable data in the local marketplace, and these professionals work with such data on a regular basis, the inclusion of these professionals has been deemed essential to the Department's efforts. The outside organizations utilized are the Indiana University of Pennsylvania working in conjunction with the Pennsylvania State University.

Required Consultation:

During the consultation period, the Department continued its practice of conducting town meetings throughout the Commonwealth. The Department convened separate meetings in the appropriate cities and attempted to reach out to as much of the Commonwealth's contracting community as possible. Most recently, meetings were held in the Allentown, Pittsburgh, and Harrisburg areas. The meetings were well-publicized and were used as an extension of the Department's consultation process. Invitations were extended to Pennsylvania Unified Certification Program (PA UCP) DBEs and to various minority and women organizations as well as to prime contractor and consultant trade associations. During the meetings, Department program personnel as well as the Department's goal-setting consultants made every effort to solicit questions about the Department's goals and methodology as well as about other issues that arise under the DBE program.

Since these meetings were conducted during the workday, the Department recognizes the challenge of attracting a large audience. Nonetheless, the Department continues to see members of the representative groups at these sessions. In addition, the sessions also facilitate person-to-person discussions that prove to be productive and that facilitate candid discussions between and among the attendees.

The Critical Public Notice and Public Comment Component of DBE Goal-Setting

During the goal-setting process, the Department adhered to the public participation component of the goal-setting process required by Section 26.45 (j) by consulting in face to face meetings with minority, women's and general contractor groups as well as community organizations, and other officials or organizations that could be expected to have information relative to the availability of both DBE and non-DBEs; the effects of discrimination on opportunities for DBEs; and, endeavors to establish a level playing field for the participation of DBEs in federally-assisted, transportation-related contracting. While this occurs during the actual goal-setting effort, it continues by way of the town meetings described earlier in this narrative.

Once these regulatory requirements have been fulfilled, the Department published a notice announcing its proposed overall goal and the methodology used to calculate the goal and informs the public that the goal and its "rationale" are available for inspection during normal business hours at the Department's principal place of business for 30 days following the date of the notice. As required, the notice invited public comments on the goals for thirty days from the date of the notice. Consistent with Section 26.45 (g), the Department provided the public with addresses to which comments may be sent, and published its proposed overall goals in general circulation media (including newspapers) and available minority-focused media and trade association publications.

The Department consistently adheres to the public notice requirements of Part 26. As required by Section 26.45 (g) (2), the Department published a notice announcing its proposed goal and noting that its rationale, methodology, and goal are available for inspection during the Department's normal business hours at its central office location in Harrisburg, Pennsylvania. Consistent with past practices, the notice published in the *Pennsylvania Bulletin*, a publication recognized by the public as the location for public notices issued by executive agencies of the Commonwealth. The notice also appeared in general circulation media (newspapers) and available minority-focused media and trade association publications.

The notice advises all interested parties of their ability to provide public comments for 30 days from the date of the notice. The Department encourages public comments and notes that these comments add real value to the goal-setting effort and the Department's DBE program. In the past, public comments have resulted in the collection of additional data and/or provided anecdotal information that, ultimately, was factored into the adjustment phase of goal-setting.

To the extent that additional data is reflected in public comments received during the public comment period discussed below, it is included in a package of submissions to FAA. It has and continues to be the Department's practice to allow the FAA to review the public comments the Department receives during the thirty-day public comment period. The public comment period commenced with the notice's publication in the *Pennsylvania Bulletin* on July 2, 2016 and continued for thirty days until Aug 1, 2016.

Following the Public Comment Period

At the conclusion of the public comment period, the Department intended to convene a meeting of impacted DBE program personnel to discuss the public comments received. The Department's Office of Chief Counsel also participates in this endeavor. If there is a need to revise the methodology and/or recalculate the overall goal, the Department would immediately commence this exercise.

As of this submission, no public comments were received and the comment period has concluded. In the event, the Department receives any late submissions, it will forward copies to FAA along with its analysis of these documents.

SUMMARY OF THE PROPOSED OVER ALL DBE GOAL TWO STEP GOAL-SETTING EFFORT

Step 1 calls for "determining a base figure for the relative availability of DBEs" (49 C.F.R. § 26.45(c)). "Relative availability of DBEs" means "the availability of ready, willing and able DBEs relative to all businesses ready willing and able to participate on DOT-assisted contracts" (49 C.F.R. § 26.49(b)). The federal regulation does not contain a definition of "ready, willing, and able." However, as in previous years, the Department has crafted its own definition, which is set forth in the below section: Program terms tailored to the local conditions of the Commonwealth of Pennsylvania consistent with 49 C.F.R. Part 26.

Step One Base Figure-The Department's goal is in fact an aggregate of the goals for all Airport Block Grants anticipated during FFYs 2017-2019. Goals for these grants were developed by calculating the ratio between the number of "ready, willing, and able" DBEs relative to the universe of contractors in each market for each specified work type. Following the path detailed in 49 CFR 26.45 (c) (1), the Department collected data from the PA UCP's certification list and the U.S. Census Bureau's County Business Patterns (CBP) database to determine the relative availability of DBEs for each grant. In each case, both the DBEs and universe were matched to the appropriate North American Industrial Classification System (NAICS) codes.

The USDOT's *Tips for Goal-Setting in the Disadvantaged Business Enterprise (DBE) Program* (Tips) publication instructs recipients to define its local market as the area "in which the substantial majority of the contractors and subcontractors with which you do business are located." To determine these local markets, the Department looked to its internal data to find the distances that successful contractors have traveled in the past to perform work for sub-recipient airports. The Department determined that the "substantial majority" of successful contractors were located within a 100-mile radius of the airport. Because the Department uses county-level data, it included all counties where the county seat was within 100-miles of the airport in the local market area.

DBEs certified by the PA UCP may list up to 15 NAICS codes under which each firm is qualified to perform work. The Census Bureau's CBP database contains the primary NAICS code for each business that employs workers in each county. For each pertinent

NAICS code, the Department counted the DBEs claiming to perform work under that NAICS code and divided that figure by the number of businesses in the local market area as taken from the CBP database to calculate the relative availability of DBEs for each NAICS code for each block grant.

The Tips advise recipients to “use weighting wherever possible” to “ensure that the Step One Base Figure is as accurate as possible.” The Department weighted the grants according to their projected dollar figures to produce the Step One Base Figure.

Step-2-Under Step 2 of the goal-setting process, the Department is compelled by Part 26 to examine all relevant evidence in its jurisdiction to determine what adjustments, up or down, need to be made to the base figure to arrive at the overall goal. In particular, each airport’s past DBE participation data are critical.

The tips advise recipients to “look to relevant data sources to supplement” the statewide DBE Directory. The Department used historical data from both the UCP and CBP to chart growth rates for DBEs and all businesses over the last five years and then adjusted each grant’s Step One Base Figure to project growth into the future.

The Department has made a concerted effort to improve its data collection on federally-funded projects over the last several years. As a result, the data mined from the Department’s dotGrants database and other sources is more refined than in years past. The nature of the grants the Department manages (small grants to mostly rural airports), however, does not lend themselves to producing large, robust troves of data. In many cases, the Department has project-specific estimates of work types and costs. Where these are not available, the Department relies on aggregated data from similar past grants. This data produces predictive models for each type of grant.

Each model contains the total expended to prime and subcontractors, total DBE participation, and how much participation airports achieved relative to the goals set on those contracts. The models allow the Department to predict the amount of subcontracting available on each type of grant. Additionally, the model data allows the Department to address the different experiences prime and subcontractors have on FAA-assisted contracts and ensure a level playing field for DBEs. Measuring past attainment relative to project goals informs the Department’s race-conscious/race-neutral goal allocation.

To facilitate understanding of the Department’s methodology and goal, a starting point is an examination of the working definitions. The Department uses the following program terms:

PROGRAM TERMS TAILORED TO THE LOCAL CONDITIONS OF THE COMMONWEALTH OF PENNSYLVANIA CONSISTENT WITH 49 C.F.R. PART 26.

DEPARTMENT – As used in this document, the Department refers to the Pennsylvania Department of Transportation of the Commonwealth of Pennsylvania.

DBE – A small, for-profit business that meets the size, ownership, control, and definitional requirements of 49 C.F.R. Part 26.5 and has been certified by the PA UCP under the federal regulation set forth in 49 C.F.R. Part 26.

READY, WILLING AND ABLE BUSINESSES/ENTERPRISES – The current universe of businesses interested, capable, and authorized to perform work on the Department’s federally-assisted, transportation-related contracts. *Ready* refers to those businesses that perform a trade, function or service that may be utilized on the Department’s federally-assisted contracts. *Willing* refers to ready businesses that have either performed or expressed a bona fide interest in performing a function on the Department’s federally-assisted contracts. *Able* refers to ready and willing businesses that have fulfilled an airport’s requirements to participate in the performance of its federally-assisted contracts. Since the contractors, including DBE’s, would be working for the airport, not the Department, there is no requirement to be registered as Business Partner with PennDOT. In sum, those businesses that are ready, willing, and able to perform on the Department’s federally-assisted contracts are businesses authorized by the Department to participate in its federally-assisted contracts that have either expressed or demonstrated an interest in doing so.

READY, WILLING AND ABLE DBEs – Those businesses that meet the definition of “ready, willing and able businesses” and that have been certified by the Department or any of the other entities that certify DBEs in the Commonwealth under the PA UCP as a DBE consistent with the provisions of 49 C.F.R. Part 26. In sum, the Department’s universe of ready, willing and able DBEs within the meaning of 49 C.F.R. Part 26, consists of certified DBEs that have either expressed or demonstrated an interest in participating in federally-assisted Department contracts and have been authorized to do so.

RELATIVE AVAILABILITY OF DBEs – Consistent with 49 C.F.R. Part 26.45, “relative availability” of DBEs refers to demonstrable evidence of the availability of ready, willing and able DBEs relative to all businesses ready, willing and able to participate on the Department’s federally-assisted transportation-related contracts.

RACE-NEUTRAL MEASURES – Consistent with Section 26.5, the definitional section of the federal regulation set forth in 49 C.F.R. Part 26, the Department’s race-neutral measures are those designed to assist all small businesses as opposed to measures designed to benefit DBEs alone.

RACE-CONSCIOUS MEASURES – Consistent with the definitional section of the federal regulation set forth in 49 C.F.R. Part 26, the Department’s race conscious measures are those that are focused exclusively on DBEs. These include traditional contract goals.

**OVERALL GOAL FOR PARTICIPATION BY DBEs IN THE DEPARTMENT'S
FEDERALLY-ASSISTED CONTRACTS**

Based upon this methodology and calculations, the Department's FAA projects that its overall goal for the 2017 through 2019 fiscal years will be 9.44%. The Department plans to meet 1.88% of through race-conscious means and 7.56% through race-neutral means. Since this goal must be narrowly tailored and funding changes and variations in the market are likely to occur during this period, the Department reserves the right to make adjustments or in-line adjustments where warranted.

TECHNICAL ADDENDUM

The Department is setting its DBE participation goal using the 2-step process. The Department created a Step-1 goal by calculating the relative availability of DBE contractors to the enterprise universe (EU) within geographically defined markets relative to the work funded by Airport Block Grants

Step-2 attempts to take other data into consideration in adjusting the goal established in Step-1. The Department looked to various factors such as DBE participation, specialized contracts, and the influence of contract size on contractor participation to make these adjustments.

Step-1 Calculations (Baseline)

The Department identified 102 Airport Block Grants using federal funds planned for FFYs 2017-2019. For each grant, the Department identified “ready, willing, and able” DBEs and the universe of contractors (EU) within the relevant NAICS codes located in the airport’s market area. The airport, federal fund amounts, NAICS codes, and number of identified DBEs and EUs were used to calculate , the grant’s step-1 ratio (by multiplying each NAICS code Step-1 Base figure by the grant funds weight and adding the products), the fund weight of all grants for each grant, appear in the table below.

Table 1. Airport Block Grants Step-1 data

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
FFY 2017 Grants									
Beaver Co.	\$660,000	237310	44	147	0.2993	0.7333	0.2411	0.0245	0.0059
	\$240,000	541330	54	668	0.0808	0.2667			
Bedford Co.	\$52,250	541330	14	292	0.0479	0.2500	0.0694	0.0057	0.0004
	\$41,800	541320	0	10	0.0000	0.2000			
	\$41,800	541370	6	84	0.0714	0.2000			
	\$20,900	541340	3	19	0.1579	0.1000			
	\$10,450	323111	1	83	0.0120	0.0500			
	\$10,450	541820	0	15	0.0000	0.0500			

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
	\$31,350	541620	10	56	0.1786	0.1500			
Bloomsburg	\$870,000	237310	20	104	0.1923	0.9667	0.1871	0.0245	0.0046
	\$30,000	541330	20	556	0.0360	0.0333			
Brandywine (1)	\$105,000	238910	49	996	0.0492	0.7000	0.0494	0.0041	0.0002
	\$45,000	541330	95	1903	0.0499	0.3000			
Brandywine (2)	\$847,000	237310	68	305	0.2230	0.9603	0.2161	0.0240	0.0052
	\$35,000	541330	95	1903	0.0499	0.0397			
Butler	\$606,250	237310	48	167	0.2874	0.8234	0.2499	0.0200	0.0050
	\$130,000	541330	55	735	0.0748	0.1766			
Chester Co. (1)	\$1,935,000	237310	79	384	0.2057	0.9773	0.2020	0.0538	0.0109
	\$45,000	541330	115	2682	0.0429	0.0227			
Chester Co. (2)	\$955,000	237310	79	384	0.2057	0.9646	0.2000	0.0269	0.0054
	\$35,000	541330	115	2682	0.0429	0.0354			
Clarion ¹	\$593,750	237310	48	152	0.3158	0.9443	0.3026	0.0171	0.0052
	\$35,000	541330	55	692	0.0795	0.0557			
Corry-Lawrence (1)	\$79,000	237130	6	59	0.1017	0.5267	0.0536	0.0041	0.0002
	\$63,500	541330	52	811	0.0641	0.4233			
	\$7,500	FAA ²				0.0500			
Corry-Lawrence (2)	\$110,000	237310	47	150	0.3133	0.7333	0.2469	0.0041	0.0010
	\$40,000	541330	52	811	0.0641	0.2667			
Doylestown (1)	\$150,000	541330	77	1664	0.0463	1.0000	0.0463	0.0041	0.0002

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
Doylestown (2)	\$164,000	238910	42	733	0.0573	0.8677	0.0558	0.0051	0.0003
	\$25,000	541330	77	1664	0.0463	0.1323			
Hazleton	\$132,500	236210	17	89	0.1910	0.8833	0.1752	0.0041	0.0007
	\$17,500	541330	72	1301	0.0553	0.1167			
Heritage	\$128,250	541330	78	1681	0.0464	1.0000	0.0464	0.0035	0.0002
Jake Arner	\$150,000	541310	38	526	0.0722	1.0000	0.0722	0.0041	0.0003
Jos. A. Hardy / Connellsville (1)	\$150,000	541330	55	682	0.0806	1.0000	0.0806	0.0041	0.0003
Jos. A. Hardy / Connellsville (2)	\$757,000	237310	51	175	0.2914	0.9558	0.2821	0.0215	0.0061
	\$35,000	541330	55	682	0.0806	0.0442			
Mifflin Co. (1)	\$110,000	237310	24	114	0.2105	0.7333	0.1660	0.0041	0.0007
	\$40,000	541330	21	481	0.0437	0.2667			
Mifflin Co. (2)	\$100,000	237310	24	114	0.2105	0.6667	0.1549	0.0041	0.0006
	\$50,000	541330	21	481	0.0437	0.3333			
New Garden	\$142,500	541330	95	2119	0.0448	1.0000	0.0448	0.0039	0.0002
North-umberland	\$135,000	238910	11	584	0.0188	0.9000	0.0217	0.0041	0.0001
	\$15,000	541330	26	552	0.0471	0.1000			
Penn Valley	\$36,000	541370	12	73	0.1644	1.0000	0.1644	0.0010	0.0002
Pocono Mountain	\$1,215,000	237310	51	376	0.1356	0.9643	0.1323	0.0343	0.0045
	\$45,000	541330	91	2215	0.0411	0.0357			

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
Port Meadville	\$80,000	541330	52	971	0.0536	1.0000	0.0536	0.0022	0.0001
Pottstown	\$150,000	541330	78	1681	0.0464	1.0000	0.0464	0.0041	0.0002
Punxsutawney	\$110,000	237310	49	137	0.3577	0.7333	0.2842	0.0041	0.0012
	\$40,000	541330	54	656	0.0823	0.2667			
Quakertown	\$150,000	541330	109	2247	0.0485	1.0000	0.0485	0.0041	0.0002
Somerset	\$100,000	541330	55	670	0.0821	0.4444	0.1754	0.0061	0.0011
	\$125,000	236210	13	52	0.2500	0.5556			
St. Mary's	\$352,500	237310	44	116	0.3793	0.9463	0.3635	0.0101	0.0037
	\$20,000	541330	51	605	0.0843	0.0537			
Titusville (1)	\$170,000	237130	6	55	0.1091	0.8500	0.1046	0.0054	0.0006
	\$30,000	541330	50	632	0.0791	0.1500			
Titusville (2)	\$130,000	541330	50	632	0.0791	1.0000	0.0791	0.0035	0.0003
Titusville (3)	\$130,000	238910	34	575	0.0591	1.0000	0.0591	0.0035	0.0002
Venango	\$130,000	236210	13	86	0.1529	0.8667	0.1425	0.0041	0.0006
	\$20,000	541330	56	724	0.0743	0.1333			
Washington Co.	\$545,000	238910	30	637	0.0471	0.7569	0.0554	0.0196	0.0011
	\$175,000	541330	54	665	0.0812	0.2431			
Wilkes-Barre/Wyo. Valley	\$150,000	541330	65	1256	0.0518	1.0000	0.0518	0.0041	0.0002
Zelienople (1)	\$150,000	541330	54	829	0.0651	1.0000	0.0651	0.0041	0.0003
Zelienople (2)	\$124,150	238910	30	633	0.0474	0.5085	0.0561	0.0066	0.0004

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
	\$120,000	541330	54	829	0.0651	0.4915			
FFY 2018 Grants									
Bedford Co.	\$150,000	541330	14	292	0.0479	1.0000	0.0479	0.0041	0.0002
Bloomsburg	\$109,000	237130	0	39	0.0000	0.6056	0.0127	0.0049	0.0001
	\$63,500	541330	20	556	0.0360	0.3528			
	\$7,500	FAA ²				0.0417			
Bradford	\$90,000	541330	5	196	0.0255	1.0000	0.0255	0.0024	0.0001
Brandywine	\$117,000	541330	95	1903	0.0499	1.0000	0.0499	0.0032	0.0002
Chester Co.	\$150,000	541330	115	2682	0.0429	1.0000	0.0429	0.0041	0.0002
Clearfield-Lawrence	\$250,000	236210	1	13	0.0769	0.8333	0.0692	0.0082	0.0006
	\$50,000	541330	5	163	0.0307	0.1667			
Doylestown	\$765,000	237130	4	123	0.0325	1.0000	0.0325	0.0208	0.0007
Doylestown	\$1,220,000	237310	55	253	0.2174	0.9683	0.2120	0.0343	0.0073
	\$40,000	541330	77	1664	0.0463	0.0317			
Ebensburg	\$425,000	237130	6	40	0.1500	0.9444	0.1461	0.0122	0.0018
	\$25,000	541330	57	709	0.0804	0.0556			
Greenville	\$65,000	541310	14	334	0.0419	0.2167	0.1497	0.0082	0.0012
	\$20,000	541330	58	1202	0.0483	0.0667			
	\$215,000	236210	14	73	0.1918	0.7167			
Grove City	\$50,000	541330	55	700	0.0786	0.3333	0.1990	0.0041	0.0008

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
	\$100,000	236210	14	54	0.2593	0.6667			
New Castle	\$675,000	237310	48	195	0.2462	0.8438	0.2198	0.0218	0.0048
	\$125,000	541330	55	711	0.0774	0.1462			
New Garden	\$232,500	237130	6	156	0.0385	0.8158	0.0385	0.0077	0.0003
	\$45,000	541330	95	2119	0.0448	0.1579			
	\$7,500	FAA ²				0.0263			
North-umberland (1)	\$75,000	541330	26	552	0.0471	1.0000	0.0471	0.0020	0.0001
North-umberland (2)	\$75,000	541330	26	552	0.0471	1.0000	0.0471	0.0020	0.0001
Penn Valley	\$27,500	237310	16	76	0.2105	0.4074	0.1143	0.0018	0.0002
	\$40,000	541330	20	415	0.0482	0.5926			
Pocono Mountain	\$263,000	237130	3	181	0.0166	0.9132	0.0187	0.0078	0.0001
	\$25,000	541330	91	2215	0.0411	0.0868			
Port Meadville	\$263,000	237120	4	23	0.1739	0.9132	0.1034	0.0078	0.0008
	\$25,000	541330	52	971	0.0536	0.0868			
Pottstown	\$190,000	238910	42	709	0.0592	0.8444	0.0572	0.0061	0.0004
	\$35,000	541330	78	1681	0.0464	0.1556			
Punxsutawne y	\$215,000	238910	33	518	0.0637	0.6825	0.0696	0.0086	0.0006
	\$100,000	541330	54	656	0.0823	0.3175			
Quakertown	\$455,000	237310	71	345	0.2058	0.9100	0.1916	0.0136	0.0026

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure	
	\$55,000	541330	109	2247	0.0485	0.0900				
Schuylkill Co./ Joe Zerbey	\$285,000	236210	20	107	0.1869	0.9500	0.1804	0.0082	0.0015	
	\$15,000	541330	86	1498	0.0574	0.0500				
Somerset	\$135,000	236210	13	52	0.2500	0.9000	0.2332	0.0041	0.0010	
	\$15,000	541330	55	670	0.0821	0.1000				
St. Mary's	\$110,000	237310	44	116	0.3793	0.7333	0.3006	0.0041	0.0012	
	\$40,000	541330	51	605	0.0843	0.2667				
Wellsboro-Johnston	\$137,500	237310	2	30	0.0667	0.5789	0.0438	0.0065	0.0003	
	\$100,000	541330	2	161	0.0124	0.4211				
Wilkes-Barre/Wyo. Valley	\$662,500	237310	43	206	0.2087	0.9498	0.2009	0.0190	0.0038	
	\$35,000	541330	65	1256	0.0518	0.0502				
William T. Piper	\$200,000	238910	5	286	0.0175	0.6667	0.0176	0.0082	0.0001	
	\$100,000	541330	3	167	0.0180	0.3333				
Zelienople	\$3,007,950	237310	45	168	0.2679	0.9757	0.2547	0.0838	0.0214	
	\$75,000	541330	54	829	0.0651	0.0243				
FFY 2019 Grants										
Beaver Co.	\$200,000	238910	30	549	0.0546	0.8000	0.0599	0.0068	0.0004	
	\$50,000	541330	54	668	0.0808	0.2000				
Bloomsburg	\$100,000	236210	3	37	0.0811	0.6667	0.0660	0.0041	0.0003	
	\$50,000	541330	20	556	0.0360	0.3333				

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
Bradford	\$1,575,000	237310	3	51	0.0588	0.9722	0.0579	0.0441	0.0026
	\$45,000	541330	5	196	0.0255	0.0278			
Brandywine	\$742,000	237130	6	150	0.0400	0.9611	0.0404	0.0210	0.0008
	\$30,000	541330	95	1903	0.0499	0.0389			
Butler	\$150,000	541620	30	133	0.2256	1.0000	0.2256	0.0073	0.0017
Chester Co. (1)	\$166,248	541330	115	2682	0.0429	1.0000	0.0429	0.0045	0.0002
Chester Co. (2)	\$2,265,000	237310	79	384	0.2057	0.9805	0.2026	0.0628	0.0127
	\$45,000	541330	115	2682	0.0429	0.0195			
Chester Co. (3)	\$132,000	236210	27	119	0.2269	0.8800	0.2048	0.0041	0.0008
	\$18,000	541330	115	2682	0.0429	0.1200			
Clarion Co.	\$110,000	237310	48	152	0.3158	0.7333	0.2528	0.0041	0.0010
	\$40,000	541330	55	692	0.0795	0.2667			
Clearfield-Lawrence	\$52,500	541330	5	163	0.0307	0.2500	0.0416	0.0057	0.0002
	\$42,000	541320	0	10	0.0000	0.2000			
	\$42,000	541370	2	53	0.0377	0.2000			
	\$21,000	541340	0	3	0.0000	0.1000			
	\$10,500	323111	1	242	0.0041	0.0500			
	\$10,500	541820	1	4	0.2500	0.0500			
	\$31,500	541620	4	44	0.0909	0.1500			
Corry-Lawrence	\$110,000	238910	36	634	0.0568	0.7333	0.0587	0.0041	0.0002
	\$40,000	541330	52	811	0.0641	0.2667			

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
Doylestown	\$190,000	541330	77	1664	0.0463	1.0000	0.0463	0.0052	0.0002
Ebensburg	\$125,000	237130	6	40	0.1500	0.8333	0.1384	0.0041	0.0006
	\$25,000	541330	57	709	0.0804	0.1667			
Grove City	\$135,000	236210	14	54	0.2593	0.9000	0.2412	0.0041	0.0010
	\$15,000	541330	55	700	0.0786	0.1000			
Hazleton	\$100,700	541330	72	1301	0.0553	1.0000	0.0553	0.0027	0.0002
Heritage	\$1,237,500	237310	56	242	0.2314	0.9649	0.2249	0.0349	0.0078
	\$45,000	541330	78	1681	0.0464	0.0251			
Indiana	\$65,313	541330	56	697	0.0803	0.2500	0.1456	0.0071	0.0010
	\$52,250	541320	2	31	0.0645	0.2000			
	\$52,250	541370	19	97	0.1959	0.2000			
	\$26,125	541340	6	33	0.1818	0.1000			
	\$13,063	323111	3	365	0.0082	0.0500			
	\$13,063	541820	12	34	0.3529	0.0500			
	\$39,188	541620	32	129	0.2481	0.1500			
Mifflin	\$137,500	237130	1	47	0.0213	0.7237	0.0257	0.0052	0.0001
	\$45,000	541330	21	481	0.0437	0.2368			
	\$7,500	FAA ²				0.0395			
New Castle	\$100,000	236210	14	57	0.2456	0.6667	0.1895	0.0041	0.0008
	\$50,000	541330	55	711	0.0774	0.3333			

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
New Garden	\$63,000	541330	95	2119	0.0448	1.0000	0.0448	0.0017	0.0001
North-umberland (1)	\$205,000	237310	19	108	0.1759	0.9111	0.1645	0.0061	0.0010
	\$20,000	541330	26	552	0.0471	0.0889			
North-umberland (2)	\$200,000	237310	19	108	0.1759	0.8889	0.1616	0.0061	0.0010
	\$25,000	541330	26	552	0.0471	0.1111			
Port Meadville	\$150,000	541330	52	971	0.0536	1.0000	0.0536	0.0041	0.0002
Pottstown	\$54,000	237310	78	1681	0.0464	1.0000	0.0464	0.0015	0.0001
Punxsutawney	\$72,000	541310	14	169	0.0828	1.0000	0.0828	0.0020	0.0002
Quakertown	\$150,000	541330	109	2247	0.0485	1.0000	0.0485	0.0041	0.0002
Somerset (1)	\$90,000	541330	55	670	0.0821	1.0000	0.0821	0.0024	0.0002
Somerset (2)	\$90,000	541330	55	670	0.0821	1.0000	0.0821	0.0024	0.0002
St. Mary's	\$100,000	237310	44	116	0.3793	0.6667	0.2810	0.0041	0.0011
	\$50,000	541330	51	605	0.0843	0.3333			
Titusville	\$110,000	237310	44	142	0.3099	0.7333	0.2483	0.0041	0.0010
	\$40,000	541330	50	632	0.0791	0.2667			
Venango Co.	\$130,000	236210	13	85	0.1529	0.8667	0.1425	0.0041	0.0006
	\$20,000	541330	56	754	0.0743	0.1333			
Wellsboro-Johnston	\$45,500	237130	0	8	0.0000	1.0000	0.0000	0.0012	0.0000
	\$37,500	541330	65	1256	0.0518	0.2500	0.1176	0.0061	0.0007

Airport	Federal Funds	NAICS Codes	DBE	EU	Step One Base Figure	NAICS Code Grant Funds Wt.	Grant Step-1 Ratio	Fed. Funds Wt.	Wtd. Step One Base Figure
Wilkes-Barre/Wyo. Valley	\$30,000	541320	7	130	0.0538	0.2000			
	\$30,000	541370	13	124	0.1048	0.2000			
	\$15,000	541340	16	38	0.4211	0.1000			
	\$7,500	323111	0	351	0.0000	0.0500			
	\$7,500	541820	16	107	0.1495	0.0500			
	\$22,500	541620	40	257	0.1556	0.1500			
William T. Piper	\$80,000	237130	0	17	0.0000	0.8889	0.0020	0.0024	0.0000
	\$10,000	541330	3	167	0.0180	0.1111			
Wings Field	\$150,000	541330	109	2384	0.0457	1.0000	0.0457	0.0041	0.0002
Total	\$36,976,048							1.0000	0.1599

¹ Clarion 2017 project represents two grants being bid as one contract.

² Flight check fee paid to FAA.

Numbers are rounded for display purposes.

Step-2 Calculations (Adjustment)

POTENTIAL DBEs

The Department's Bureau of Equal Opportunity (BEO) makes consistent efforts to identify and recruit women and minority-owned businesses for the DBE program. The DBE Supportive Services program plays a leading role in this effort and provides training designed to build DBE capacity.

Because goals are set for future projects, the Department attempted to model how DBE growth will impact local market areas at the time these projects begin. The Department weighed several approaches to this issue and ultimately chose to project the growth of DBE and EU firms by NAICS code based on a five-year average growth rate. The Department counted firms in the pertinent NAICS codes for each year in both the UCP (DBE) and CBP (EU) databases to make this calculation. (Tables appear in Appendix 1) Once this factor was calculated, the Step One Base Figures were adjusted by these growth factors.

Additionally, the Department used this metric to correct for the effects of discrimination on DBE and potential DBE firms. This was accomplished by assuming that absent discrimination, DBE firms would grow at the same or equal rate to all firms in the same NAICS code. If the EU growth factor for any NAICS code was greater than the DBE growth factor, the Department assumed this was due to discrimination and adjusted the DBE firm numbers by the higher EU growth factor.

In cases where the DBE growth factor results in an increase of EU units greater than those produced by the EU growth factor, the DBE unit increase is added to the Step One Base EU number before dividing to yield the growth adjusted ratio. Because DBEs are part of the universe overall universe growth must at least equal the number of units projected for DBE growth.

The growth adjustment calculations are shown in the table below

Table 2. Growth Adjustment

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
FFY 2017 Grants									
Beaver Co.	237310	44	147	0.0216	-0.0089	0.9492	44.9492	147.9492	0.3038
	541330	54	668	0.0621	0.0014	3.3536	57.3536	671.3536	0.0854
Bedford Co.	541330	14	292	0.0621	0.0014	0.8694	14.8694	292.8694	0.0508
	541320	0	10	0.0723	-0.0390	0.0000	0.0000	9.6104	0.0000
	541370	6	84	0.0924	-0.0318	0.5547	6.5547	85.5547	0.0775
	541340	3	19	0.1086	-0.0477	0.3259	3.3259	19.3259	0.1721
	323111	1	83	0.0641	-0.0492	0.0641	1.0641	83.0641	0.0128
	541820	0	15	0.0884	-0.0131	0.0000	0.0000	14.8034	0.0000
	541620	10	56	0.0774	0.0030	0.7742	10.7742	56.7742	0.1898
Bloomsburg	237310	20	104	0.0216	-0.0089	0.4314	20.4314	104.4314	0.1956
	541330	20	556	0.0621	0.0014	1.2421	21.2421	557.2421	0.0381
Brandywine (1)	238910	49	996	0.0096	-0.0156	0.4682	49.4682	996.4682	0.0496
	541330	95	1903	0.0621	0.0014	5.8998	100.8998	1908.8998	0.0529

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Brandywine (2)	237310	68	305	0.0216	-0.0089	1.4669	69.4669	306.4669	0.2267
	541330	95	1903	0.0621	0.0014	5.8998	100.8998	1908.8998	0.0529
Butler	237310	48	167	0.0216	-0.0089	1.0354	49.0354	168.0354	0.2918
	541330	55	735	0.0621	0.0014	3.4157	58.4157	738.4157	0.0791
Chester Co. (1)	237310	79	384	0.0216	-0.0089	1.7042	80.7042	385.7042	0.2092
	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454
Chester Co. (2)	237310	79	384	0.0216	-0.0089	1.7042	80.7042	385.7042	0.2092
	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454
Clarion	237310	48	152	0.0216	-0.0089	1.0354	49.0354	153.0354	0.3204
	541330	55	692	0.0621	0.0014	3.4157	58.4157	695.4157	0.0840
Corry-Lawrence (1)	237130	6	59	0.0578	-0.0100	0.3468	6.3468	59.3468	0.1069
	541330	52	811	0.0621	0.0014	3.2294	55.2294	814.2294	0.0678
Corry-Lawrence (2)	237310	47	150	0.0216	-0.0089	1.0139	48.0139	151.0139	0.3179
	541330	52	811	0.0621	0.0014	3.2294	55.2294	814.2294	0.0678
Doylestown (1)	541330	77	1664	0.0621	0.0014	4.7819	81.7819	1668.7819	0.0490
Doylestown (2)	238910	42	733	0.0096	-0.0156	0.4013	42.4013	733.4013	0.0578
	541330	77	1664	0.0621	0.0014	4.7819	81.7819	1668.7819	0.0490
Hazleton	236210	17	89	0.0479	0.0096	0.0000	17.8143	89.8575	0.1983
	541330	72	1301	0.0621	0.0014	4.4714	76.4714	1305.4714	0.0586
Heritage	541330	78	1681	0.0621	0.0014	4.8440	82.8440	1685.8440	0.0491
Jake Arner	541310	38	526	0.0442	-0.0197	1.6810	39.6810	527.6810	0.0752

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Jos. Hardy / Connellsville (1)	541330	55	682	0.0621	0.0014	3.4157	58.4157	685.4157	0.0852
Jos. Hardy / Connellsville (2)	237310	51	175	0.0216	-0.0089	1.1002	52.1002	176.1002	0.2959
	541330	55	682	0.0621	0.0014	3.4157	58.4157	685.4157	0.0852
Mifflin Co. (1)	237310	24	114	0.0216	-0.0089	0.5177	24.5177	114.5177	0.2141
	541330	21	481	0.0621	0.0014	1.3042	22.3042	483.3042	0.0462
Mifflin Co. (2)	237310	24	114	0.0216	-0.0089	0.5177	24.5177	114.5177	0.2141
	541330	21	481	0.0621	0.0014	1.3042	22.3042	483.3042	0.0462
New Garden	541330	95	2119	0.0621	0.0014	5.8998	100.8998	2124.8998	0.0475
Northumber- land	238910	11	584	0.0096	-0.0156	0.1051	11.1051	584.1051	0.0190
	541330	25	552	0.0621	0.0014	1.6147	26.6147	553.6147	0.0499
Penn Valley	541370	10	439	0.0096	-0.0156	0.0955	10.0955	439.0955	0.0230
Pocono Mountain	237310	51	376	0.0216	-0.0089	1.1002	52.1002	377.1002	0.1382
	541330	91	2215	0.0621	0.0014	5.6514	96.6514	2220.6514	0.0435
Port Meadville	541330	52	971	0.0621	0.0014	3.2294	55.2294	974.2294	0.0567
Pottstown	541330	78	1681	0.0621	0.0014	4.8440	82.8440	1685.8440	0.0491
Punxsu- tawney	237310	49	137	0.0216	-0.0089	1.0570	50.0570	138.0570	0.3626
	541330	54	656	0.0621	0.0014	3.3536	57.3536	659.3536	0.0870
Quakertown	541330	109	2247	0.0621	0.0014	6.7692	115.7692	2253.7692	0.0514
Somerset	541330	55	670	0.0621	0.0014	3.4157	58.4157	673.4157	0.0867
	236210	13	52	0.0479	0.0096	0.6227	13.6227	52.6227	0.2589

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
St. Mary's	237310	44	116	0.0216	-0.0089	0.9492	44.9492	116.9492	0.3843
	541330	51	605	0.0621	0.0014	3.1673	54.1673	608.1673	0.0891
Titusville (1)	237130	6	55	0.0578	-0.0100	0.3468	6.3468	55.3468	0.1147
	541330	50	632	0.0621	0.0014	3.1052	53.1052	635.1052	0.0836
Titusville (2)	541330	50	632	0.0621	0.0014	3.1052	53.1052	635.1052	0.0836
Titusville (3)	238910	34	575	0.0096	-0.0156	0.3248	34.3248	575.3248	0.0597
Venango	236210	13	85	0.0479	0.0096	0.0000	13.6227	85.8189	0.1587
	541330	56	724	0.0621	0.0014	3.4778	59.4778	727.4778	0.0785
Washington Co.	238910	30	637	0.0096	-0.0156	0.2866	30.2866	637.2866	0.0475
	541330	54	665	0.0621	0.0014	3.3536	57.3536	653.3536	0.0858
Wilkes-Barre/Wyo. Valley	541330	65	1256	0.0621	0.0014	4.0367	69.0367	1260.0367	0.0548
Zeleinople (1)	541330	54	829	0.0621	0.0014	3.3536	57.3536	832.3536	0.0689
Zeleinople (2)	238910	30	633	0.0096	-0.0156	0.2866	30.2866	633.2866	0.0478
	541330	54	829	0.0621	0.0014	3.3536	57.3536	832.3536	0.0689
FFY 2018 Grants									
Bedford Co.	541330	14	292	0.0621	0.0014	0.8694	14.8694	292.8694	0.0508
Bloomsburg	237130	0	39	0.0578	-0.0100	0.0000	0.0000	38.6111	0.0000
	541330	20	556	0.0621	0.0014	1.2421	21.2421	557.2421	0.0381
Bradford	541330	5	196	0.0621	0.0014	0.3105	5.3105	196.3105	0.0271
Brandywine	541330	95	1903	0.0621	0.0014	5.8998	100.8998	1908.8998	0.0529
Chester Co.	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Clearfield-Lawrence	236210	1	13	0.0479	0.0096	0.0000	1.0479	13.1253	0.0798
	541330	5	163	0.0621	0.0014	0.3105	5.3105	163.3105	0.0325
Doylestown (1)	237130	4	123	0.0578	-0.0100	0.2312	4.2312	123.2312	0.0343
Doylestown (2)	237310	55	253	0.0216	-0.0089	1.1864	56.1864	254.1864	0.2210
	541330	77	1664	0.0621	0.0014	4.7819	81.7819	1668.7819	0.0490
Ebensburg	237130	6	40	0.0578	-0.0100	0.3468	6.3468	40.3468	0.1573
	541330	57	709	0.0621	0.0014	3.5399	60.5399	712.5399	0.0850
Greenville	541310	14	334	0.0442	-0.0197	0.6193	14.6193	334.6193	0.0437
	541330	58	1202	0.00621	0.0014	3.6020	61.3020	1205.3020	0.0511
	236210	14	73	0.0479	0.0096	0.0000	14.6076	73.7033	0.1990
Grove City	541330	55	700	0.0621	0.0014	3.4157	58.3147	703.3147	0.0830
	236210	14	54	0.0479	0.0096	0.6706	14.6706	54.6706	0.2683
New Castle	237310	48	195	0.0216	-0.0089	1.0354	49.0354	195.0354	0.2501
	541330	55	711	0.0621	0.0014	3.4157	58.4157	714.4157	0.0818
New Garden	237130	6	156	0.0578	-0.0100	0.3468	6.3468	156.3468	0.0406
	541330	95	2119	0.0621	0.0014	5.8998	100.8998	2124.8998	0.0475
Northumberland (1)	541330	26	552	0.0621	0.0014	1.6147	27.6147	553.6147	0.0499
Northumberland (2)	541330	26	552	0.0621	0.0014	1.6147	27.6147	553.6147	0.0499
Penn Valley	237310	16	76	0.0216	-0.0089	0.3451	17.3451	76.3451	0.2141
	541330	20	415	0.0621	0.0014	1.2421	21.2421	416.2421	0.0510

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Pocono Mountain	541330	91	2215	0.0621	0.0014	5.6514	96.5614	2220.5614	0.0435
	237130	3	181	0.0578	-0.0100	0.1734	3.1734	181.1734	0.0175
Port Meadville	237120	4	37	0.3238	0.0571	0.0000	5.2952	39.1109	0.1354
	541330	52	971	0.0621	0.0014	3.2294	55.2294	974.2294	0.0567
Pottstown	238910	42	709	0.0096	-0.0156	0.4013	42.4013	709.4013	0.0598
	541330	83	1681	0.0621	0.0014	5.1546	88.1546	1686.1546	0.0523
Punxsu-tawney	238910	33	518	0.0096	-0.0156	0.3153	33.3153	518.3513	0.0643
	541330	54	656	0.0621	0.0014	3.3536	57.3536	659.3536	0.0870
Quakertown	237310	71	345	0.0216	-0.0089	1.5316	72.5316	346.5316	0.2093
	541330	109	2247	0.0621	0.0014	6.7692	115.7692	2253.7692	0.0514
Schuylkill Co./ Joe Zerbey	236210	20	107	0.0479	0.0096	0.0000	20.9580	108.0309	0.1940
	541330	86	1498	0.0621	0.0014	5.3409	91.3409	1503.3409	0.0608
Somerset	236210	13	52	0.0479	0.0096	0.6227	13.6227	52.6227	0.2589
	541330	55	670	0.0621	0.0014	3.4157	58.4157	673.4157	0.0867
St. Mary's	237310	44	116	0.0216	-0.0089	0.9492	44.9492	116.9492	0.3843
	541330	51	605	0.0621	0.0014	3.1673	54.1673	608.1673	0.0891
Wellsboro-Johnston	237310	2	30	0.0216	-0.0089	0.0431	2.0431	30.0431	0.0680
	541330	2	161	0.0621	0.0014	0.0000	2.1242	161.3212	0.0132
Wilkes-Barre/Wyo.	237310	43	206	0.0216	-0.0089	0.9276	43.9276	206.9276	0.2123
	541330	65	1256	0.0621	0.0014	4.0367	69.0367	1260.0367	0.0548
William T. Piper	238910	5	286	0.0096	-0.0156	0.0478	5.0478	286.0478	0.0176
	541330	3	167	0.0621	0.0014	0.0000	3.1863	167.2398	0.0191

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Zelienople	237310	45	168	0.0216	-0.0089	0.9707	45.9707	168.9707	0.2721
	541330	54	829	0.0621	0.0014	3.3536	57.3536	832.3536	0.0689
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Beaver Co.	238910	30	549	0.0096	-0.0156	0.2866	30.2866	549.2866	0.0551
	541330	54	668	0.0621	0.0014	3.3536	57.3536	671.3536	0.0854
Bloomsburg	236210	3	37	0.0479	0.0096	0.0000	3.1437	37.3565	0.0000
	541330	20	556	0.0621	0.0014	1.2421	21.2421	557.2421	0.0381
Bradford	237310	3	51	0.0216	-0.0089	0.0647	3.0647	51.0647	0.0600
	541330	5	196	0.0621	0.0014	0.3105	5.3105	196.3105	0.0271
Brandywine	237130	6	150	0.0578	-0.0100	0.3468	6.3468	150.3468	0.0422
	541330	95	1903	0.0621	0.0014	5.8998	100.8998	1908.8998	0.0529
Butler	541620	30	133	0.0774	0.0030	2.3227	32.3227	135.3227	0.2389
Chester Co. (1)	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454
Chester Co. (2)	237310	79	384	0.0216	-0.0089	1.7042	80.7042	385.7042	0.2092
	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454
Chester Co. (3)	236210	27	119	0.0479	0.0096	1.2934	28.2934	120.2934	0.2352
	541330	115	2682	0.0621	0.0014	7.1419	122.1419	2689.1419	0.0454
Clarion Co.	237310	48	152	0.0216	-0.0089	1.0354	49.0354	153.0354	0.3204
	541330	55	692	0.0621	0.0014	3.4157	58.4157	695.4157	0.0840
Clearfield-Lawrence	541330	5	163	0.0621	0.0014	0.3105	5.3105	163.3105	0.0325
	541320	0	10	0.0723	-0.0390	0.0000	0.0000	9.6104	0.0000
	541370	2	53	0.0924	-0.0318	0.1849	2.1849	53.1849	0.0411

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
	541340	0	3	0.1086	-0.0477	0.0000	0.0000	2.8569	0.0000
	323111	1	242	0.0641	-0.0492	0.0641	1.0641	242.0641	0.0044
	541820	1	4	0.0884	-0.0131	0.0884	1.0884	4.0884	0.2662
	541620	4	44	0.0774	0.0030	0.3097	4.3097	44.3097	0.0973
Corry-Lawrence	238910	36	634	0.0096	-0.0156	0.3440	36.3440	634.3440	0.0573
	541330	52	811	0.0621	0.0014	3.2294	55.2294	814.2294	0.0678
Doylestown	541330	77	1664	0.0621	0.0014	4.7819	81.7819	1668.7819	0.0490
Ebensburg	237130	6	40	0.0578	-0.0100	0.3468	6.3468	40.3468	0.1573
	541330	57	709	0.0621	0.0014	3.5399	60.5399	712.5399	0.0850
Grove City	236210	14	54	0.0479	0.0096	0.6706	14.6706	54.6706	0.2683
	541330	55	700	0.0621	0.0014	3.4157	58.3147	703.3147	0.0830
Hazleton	541330	72	1301	0.0621	0.0014	4.4714	76.4714	1305.4714	0.0586
Heritage	237310	56	242	0.0216	-0.0089	1.2080	57.2080	243.2080	0.2352
	541330	78	1681	0.0621	0.0014	4.8440	82.4880	1685.4880	0.0491
Indiana	541330	56	697	0.0621	0.0014	3.4778	59.4778	700.4778	0.0849
	541320	2	31	0.0723	-0.0390	0.1447	2.1447	31.1447	0.0689
	541370	19	97	0.0924	-0.0318	1.7564	20.7564	98.7564	0.2102
	541340	6	33	0.1086	-0.0477	0.6518	6.6518	33.6518	0.1977
	323111	3	365	0.0641	-0.0492	0.1922	3.1922	365.1922	0.0087
	541820	12	34	0.0884	-0.0131	1.0607	13.0607	35.0607	0.3725
	541620	32	129	0.0774	0.0030	2.4776	34.4776	131.4776	0.2622
Mifflin	237130	1	47	0.0578	-0.0100	0.0578	1.0578	47.0578	0.0225

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
	541330	21	481	0.0621	0.0014	1.3042	22.3042	483.3042	0.0462
New Castle	541330	55	711	0.0621	0.0014	3.4157	58.4157	714.4157	0.0818
	236210	14	57	0.0479	0.0096	0.6706	14.6706	57.6706	0.2544
New Garden	541330	95	2119	0.0621	0.0014	5.8998	100.8998	2124.8998	0.0475
Northumberland (1)	237310	19	108	0.0216	-0.0089	0.4099	19.4099	108.4099	0.1790
	541330	24	529	0.0621	0.0014	1.4905	25.4905	530.4905	0.0481
Northumberland (2)	237310	19	108	0.0216	-0.0089	0.4099	19.4099	108.4099	0.1790
	541330	24	529	0.0621	0.0014	1.4905	25.4905	530.4905	0.0481
Port Meadville	541330	52	971	0.0621	0.0014	3.2294	53.2294	971.2294	0.0567
Pottstown	541330	78	1681	0.0621	0.0014	4.8440	82.8440	1685.8440	0.0491
Punxsutawney	541310	14	169	0.0442	-0.0197	0.6193	14.6193	169.6193	0.0862
Quakertown	541330	109	2247	0.0621	0.0014	6.7692	115.7692	2253.7692	0.0514
Somerset (1)	541330	55	720	0.0621	0.0014	3.4157	58.4157	723.4157	0.0807
Somerset (2)	541330	55	720	0.0621	0.0014	3.4157	58.4157	723.4157	0.0807
St. Mary's	237310	44	116	0.0216	-0.0089	0.9492	44.9492	116.9492	0.3843
	541330	51	605	0.0621	0.0014	3.1673	54.1673	608.1673	0.0891
Titusville	237310	44	142	0.0578	-0.0100	0.3468	6.3468	55.3468	0.1147
	541330	50	632	0.0621	0.0014	3.1052	53.1052	635.1052	0.0836
Venango Co.	236210	13	85	0.0479	0.0096	0.0000	13.6227	85.8189	0.1587
	541330	56	754	0.0621	0.0014	3.4778	59.4778	757.4778	0.0785

Airport	NAICS Code	DBE	EU	DBE Growth Factor	EU Growth Factor	Unit Adj.	Adj. DBE units	Adj. EU units	Adj. Ratio
Wellsboro-Johnston	237130	0	8	0.0578	-0.0100	0.0000	0.0000	7.9202	0.0000
	541330	56	658	0.0621	0.0014	3.4778	59.4778	661.4778	0.0899
Wilkes-Barre/Wyo. Valley	541330	65	1256	0.0621	0.0014	4.0367	69.0367	1260.0367	0.0548
	541320	7	130	0.0723	-0.0390	0.5064	7.5064	130.5064	0.0575
	541370	13	124	0.0924	-0.0318	1.2018	14.2018	125.2018	0.0169
	541340	16	38	0.1086	-0.0477	1.7381	17.7381	39.7381	0.1134
	323111	0	351	0.0641	-0.0492	0.0000	0.0000	333.7480	0.0000
	541820	16	107	0.0884	-0.0131	1.4142	17.4142	108.4142	0.1606
	541620	40	257	0.0774	0.0030	3.0970	43.0970	260.0970	0.1657
William T. Piper	237130	0	17	0.0096	-0.0156	0.0000	0.0000	11.8803	0.0000
	541330	3	167	0.0621	0.0014	0.0000	3.1863	167.2398	0.0191
Wings Field	541330	109	2384	0.0621	0.0014	6.7692	115.7692	2390.7692	0.0484

Numbers are rounded for display purposes.

GRANT MODELS

For each type of grant, the Department looked to its dotGrants data to determine the likely amount of sub contracting available on each type of grant and considered the Department’s track record in meeting past goals. For each grant type, the Department created a model showing the likely amount of subcontracting opportunity available, how much DBE participation was attained in raw numbers, and as a percentage of the goals established for the grants.

The Department identified ten different model grants: Horizontal Construction, Horizontal Design, Master Plan, Airport Layout Plan, Electrical, Vertical Design, Vertical Construction, Fencing, Site Preparation, Small Maintenance Projects and Design/Construction Inspection.

Horizontal Construction

Subcontracting opportunity: 14.56% or .1456
Actual attainment: 9.21% or .0921

Percentage of goal attained: 81.50% or .8150

Horizontal Design

Subcontracting opportunity: 16.65% or .1665

Actual attainment: 7.15% or .0715

Attainment adjustment: 118.26% or 1.1826

Master Plan

Subcontracting opportunity: 23.40% or .2340

Actual attainment: 2.86% or .0286

Attainment adjustment: 91.85% or .9185

Airport Layout Plan

Subcontracting opportunity: 13.92% or .1392

Actual attainment: 1.86% or .0186

Attainment adjustment: 157.58% or 1.5758

Electrical

Subcontracting opportunity: 10.54% or .1054

Actual attainment: 10.31% or .1031.

Attainment adjustment: 102.90% or 1.0290

Vertical Design

Subcontracting opportunity: 6.07% or .0607

Actual Attainment: 0%

Attainment Adjustment: All contracts 100% race conscious

Vertical Construction

Subcontracting opportunity: 37.27% or .3237

Actual Attainment: 0%

Attainment Adjustment: All contracts 100% race conscious

Fencing

Subcontracting opportunity: 5.31% or .0531

Actual Attainment: 5.31% or .0531.

Attainment adjustment: 81.93% or .08193

Site Preparation

Subcontracting Opportunity: 3.34% or 0.0334

Actual Attainment: 0.091% or 0.0091.

Attainment Adjustment: 30.28% or .03028

Small Maintenance Projects

Small maintenance projects such as crack-sealing and runway/taxiway maintenance offer no significant subcontracting opportunities. Therefore, no goals were placed on these projects.

Design/Construction Inspection

Most construction projects include an accompanying design and/or construction inspection component. In most cases, the airport’s engineering firm performs this work in the interest of continuity, safety, and cost. The Department assumes no subcontracting opportunity, but monitors these contracts to assess and encourage race neutral attainment.

PRIME AND SUBCONTRACTING EXPERIENCE

The Department’s data reveals that the experience of DBE prime contractors and consultants is very different from that of subcontractors and consultants. Overall past participation on prime contracts is much lower for DBEs. In the interest of meeting the regulation’s “narrow tailoring” requirement, the Department chose to make separate past participation adjustments to the prime and sub portions of the calculation. Median past participation for the last two years on prime contracts is 1.69%. This figure is averaged with the growth-adjusted Step One Base figure to yield the final prime adjusted ratio.

Past participation for subcontractors varies according to the types of work the contract calls for. To address this, the Department averaged model-specific past participation (the actual attainment figure) with the subcontractor growth-adjusted ratio to yield the final adjusted subcontractor ratio. The prime and sub ratios were then weighted according to the likely prime and subcontracting opportunity respectively. The two were then added together to yield the final ratio.

Table 3. Model-based Adjustments

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
Beaver Co.	237310	0.3038	0.0169	0.0921	0.1604	0.1980	0.8544	0.1456	0.1658
	541330	0.0854	0.0169	0.0715	0.0512	0.0785	1.0000	0.0000	0.0512
Bedford Co.	541330	0.0508	0.0169	0.0286	0.0338	0.0397	1.0000	0.0000	0.0338
	541320	0.0000	0.0169	0.0286	0.0084	0.0143	0.0000	1.0000	0.0143
	541370	0.0775	0.0169	0.0286	0.0472	0.0530	0.0000	1.0000	0.0530
	541340	0.1721	0.0169	0.0286	0.0945	0.1003	0.0000	1.0000	0.1003

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
	323111	0.0128	0.0169	0.0286	0.0148	0.0207	0.0000	1.0000	0.0207
	541820	0.0000	0.0169	0.0286	0.0084	0.0143	0.0000	1.0000	0.0143
	541620	0.1898	0.0169	0.0286	0.1033	0.1092	0.0000	1.0000	0.1092
Bloomsburg	237310	0.1956	0.0169	0.0921	0.1063	0.1439	0.8544	0.1456	0.1117
	541330	0.0381	0.0169	0.0715	0.0275	0.0548	1.0000	0.0000	0.0275
Brandywine (1)	238910	0.0496	0.0169	0.0091	0.0333	0.0293	0.9666	0.0334	0.0331
	541330	0.0529	0.0169	0.0715	0.0349	0.0622	1.0000	0.0000	0.0349
Brandywine (2)	237310	0.2267	0.0169	0.0921	0.1218	0.1594	0.8544	0.1456	0.1273
	541330	0.0529	0.0169	0.0715	0.0349	0.0622	1.0000	0.0000	0.0349
Butler	237310	0.2918	0.0169	0.0921	0.1544	0.1920	0.8544	0.1456	0.1598
	541330	0.0791	0.0169	0.0715	0.0480	0.0753	1.0000	0.0000	0.0480
Chester Co. (1)	237310	0.2092	0.0169	0.0921	0.1131	0.1507	0.8544	0.1456	0.1185
	541330	0.0454	0.0169	0.0715	0.0312	0.0585	1.0000	0.0000	0.0312
Chester Co. (2)	237310	0.2092	0.0169	0.0921	0.1131	0.1507	0.8544	0.1456	0.1185
	541330	0.0454	0.0169	0.0715	0.0312	0.0585	1.0000	0.0000	0.0312
Clarion	237310	0.3204	0.0169	0.0921	0.1687	0.2963	0.8544	0.1456	0.1741
	541330	0.0840	0.0169	0.0715	0.0504	0.0777	1.0000	0.0000	0.0715
Corry-Lawrence (1)	237130	0.1069	0.0169	0.1031	0.0619	0.1050	0.8946	0.1054	0.0665
	541330	0.0678	0.0169	0.0715	0.0424	0.0697	1.0000	0.0000	0.0424
Corry-Lawrence (2)	237310	0.3179	0.0169	0.0921	0.1674	0.2050	1.0000	0.0000	0.1674
	541330	0.0678	0.0169	0.0715	0.0424	0.0697	1.0000	0.0000	0.0424

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
Doylestown (1)	541330	0.0490	0.0169	0.0715	0.0329	0.0603	0.8335	0.1665	0.0375
Doylestown (2)	238910	0.0578	0.0169	0.0091	0.0374	0.0334	0.9666	0.0334	0.0372
	541330	0.0490	0.0169	0.0715	0.0329	0.0603	1.0000	0.0000	0.0329
Hazleton	236210	0.1983	0.0169	0.0531	0.1076	0.1257	0.9469	0.0531	0.1085
	541330	0.0586	0.0169	0.0715	0.0377	0.0650	1.0000	0.0000	0.0377
Heritage	541330	0.0491	0.0169	0.0715	0.0330	0.0603	0.8335	0.1665	0.0376
Jake Arner	541310	0.0752	0.0169	0.0000	0.0460	0.0376	0.9393	0.0607	0.0455
Jos. Hardy / Connellsville (1)	541330	0.0852	0.0169	0.0715	0.0511	0.0784	0.8335	0.1665	0.0556
Jos. Hardy / Connellsville (2)	237310	0.2959	0.0169	0.0921	0.1564	0.1940	0.8544	0.1456	0.1618
	541330	0.0852	0.0169	0.0715	0.0511	0.0784	1.0000	0.0000	0.0511
Mifflin Co. (1)	237310	0.2141	0.0169	0.0921	0.1155	0.1531	1.0000	0.0000	0.1155
	541330	0.0462	0.0169	0.0715	0.0316	0.0589	1.0000	0.0000	0.0316
Mifflin Co. (2)	237310	0.2141	0.0169	0.0921	0.1155	0.1531	0.8544	0.1456	0.1155
	541330	0.0462	0.0169	0.0715	0.0316	0.0589	1.0000	0.0000	0.0316
New Garden	541330	0.0475	0.0169	0.0286	0.0328	0.0380	0.7660	0.2340	0.0336
Northumberland	238910	0.0190	0.0169	0.0091	0.0180	0.0140	0.9666	0.0334	0.0178
	541330	0.0499	0.0169	0.0715	0.0334	0.0607	1.0000	0.0000	0.0334
Penn Valley	541370	0.0230	0.0169	0.0091	0.0969	0.0930	1.0000	0.0000	0.0969
Pocono Mountain	237310	0.1382	0.0169	0.0921	0.0775	0.1151	0.8544	0.1456	0.0830
	541330	0.0435	0.0169	0.0715	0.0302	0.0575	1.0000	0.0000	0.0302

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
Port Meadville	541330	0.0567	0.0169	0.0715	0.0368	0.0641	0.8335	0.1665	0.0413
Pottstown	541330	0.0491	0.0169	0.0715	0.0330	0.0603	0.8335	0.1665	0.0376
Punxsu-tawney	237310	0.3626	0.0169	0.0921	0.1897	0.2273	1.0000	0.0000	0.1897
	541330	0.0870	0.0169	0.0715	0.0519	0.0792	1.0000	0.0000	0.0519
Quakertown	541330	0.0514	0.0169	0.0715	0.0341	0.0614	0.8335	0.1665	0.0387
Somerset	541330	0.0867	0.0169	0.0203	0.0518	0.0535	1.0000	0.0000	0.0518
	236210	0.2589	0.0169	0.0531	0.1379	0.1560	0.9469	0.0531	0.1388
St. Mary's	237310	0.3843	0.0169	0.0921	0.2006	0.2382	0.8544	0.1456	0.2061
	541330	0.0891	0.0169	0.0715	0.0530	0.0803	1.0000	0.0000	0.0530
Titusville (1)	237130	0.1147	0.0169	0.1031	0.0658	0.1089	0.8946	0.1054	0.0703
	541330	0.0836	0.0169	0.0715	0.0503	0.0776	1.0000	0.0000	0.0503
Titusville (2)	541330	0.0836	0.0169	0.0715	0.0503	0.0776	0.8335	0.1665	0.0548
Titusville (3)	238910	0.0597	0.0169	0.0091	0.0383	0.0344	0.9666	0.0334	0.0381
Venango	236210	0.1587	0.0169	0.0531	0.0878	0.1059	0.9469	0.0431	0.0888
	541330	0.0785	0.0169	0.0715	0.0477	0.0750	1.0000	0.0000	0.0477
Washington Co.	238910	0.0475	0.0169	0.0091	0.0322	0.0283	0.9666	0.0334	0.0321
	541330	0.0858	0.0169	0.0715	0.0514	0.0787	1.0000	0.0000	0.0514
Wilkes-Barre/Wyo. Valley	541330	0.0548	0.0169	0.0715	0.0358	0.0631	0.8335	0.1665	0.0404
Zeleinople (1)	541330	0.0689	0.0169	0.0715	0.0429	0.0702	0.8335	0.1665	0.0474
Zeleinople (2)	238910	0.0478	0.0169	0.0091	0.0324	0.0284	0.9666	0.0334	0.0322

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
	541330	0.0689	0.0169	0.0715	0.0429	0.0702	1.0000	0.0000	0.0429
Bedford Co.	541330	0.0508	0.0169	0.0715	0.0338	0.0611	0.8335	0.1665	0.0384
Bloomsburg	237130	0.0000	0.0169	0.1031	0.0084	0.0516	0.8946	0.1054	0.130
	541330	0.0381	0.0169	0.0715	0.0275	0.0548	1.0000	0.0000	0.0275
Bradford	541330	0.0271	0.0169	0.0715	0.0220	0.0493	0.8335	0.1665	0.0265
Brandywine	541330	0.0529	0.0169	0.0715	0.0349	0.0622	0.8335	0.1665	0.0394
Chester Co.	541330	0.0454	0.0169	0.0715	0.0312	0.0585	0.8335	0.1665	0.0357
Clearfield-Lawrence	236210	0.0798	0.0169	0.0531	0.0484	0.0665	0.9469	0.0531	0.0493
	541330	0.0325	0.0169	0.0715	0.0247	0.0305	1.0000	0.0000	0.0247
Doylestown (1)	237130	0.0343	0.0169	0.1031	0.0256	0.0687	0.8946	0.1054	0.0302
Doylestown (2)	237310	0.2210	0.0169	0.0921	0.1190	0.1566	0.8544	0.1456	0.1244
	541330	0.0490	0.0169	0.0715	0.0329	0.0603	1.0000	0.0000	0.0329
Ebensburg	237130	0.1573	0.0169	0.1031	0.0871	0.1302	0.8946	0.1054	0.0916
	541330	0.0850	0.0169	0.0715	0.0509	0.0782	1.0000	0.0000	0.0509
Greenville	541310	0.0437	0.0169	0.0000	0.0303	0.0218	0.9393	0.0607	0.0298
	541330	0.0511	0.0169	0.0715	0.0340	0.0613	1.0000	0.0000	0.0340
	236210	0.1990	0.0169	0.0000	0.1080	0.0995	0.6273	0.3727	0.1048
Grove City	541330	0.0830	0.0169	0.0715	0.0500	0.0517	1.0000	0.0000	0.0500
	236210	0.2683	0.0169	0.0531	0.1426	0.1607	0.9469	0.0531	0.1436
New Castle	237310	0.2501	0.0169	0.0921	0.1335	0.1711	0.8544	0.1456	0.1390
	541330	0.0818	0.0169	0.0715	0.0493	0.0510	1.0000	0.0000	0.0493

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
New Garden	237130	0.0406	0.0169	0.1031	0.0287	0.0719	0.8946	0.1054	0.0333
	541330	0.0475	0.0169	0.0715	0.0322	0.0380	1.0000	0.0000	0.0322
Northumberland (1)	541330	0.0499	0.0169	0.0715	0.0334	0.0607	0.8335	0.1665	0.0379
Northumberland (2)	541330	0.0499	0.0169	0.0715	0.0334	0.0607	0.8335	0.1665	0.0379
Penn Valley	237310	0.2141	0.0169	0.0921	0.1155	0.1513	0.8544	0.1456	0.1210
	541330	0.0510	0.0169	0.0715	0.0340	0.0613	1.0000	0.0000	0.0340
Pocono Mountain	541330	0.0435	0.0169	0.0715	0.0302	0.0575	0.8335	0.1665	0.0348
	237130	0.0175	0.0169	0.1031	0.0172	0.0603	0.8946	0.1054	0.0217
Port Meadville	237120	0.1354	0.0169	0.0921	0.0761	0.1138	0.8544	0.1456	0.0816
	541330	0.0567	0.0169	0.0715	0.0368	0.0641	1.0000	0.0000	0.0368
Pottstown	238910	0.0598	0.0169	0.0091	0.0383	0.0344	0.9666	0.0334	0.0382
	541330	0.0523	0.0169	0.0715	0.0330	0.0603	1.0000	0.0000	0.0330
Punxsutawney	238910	0.0643	0.0169	0.0091	0.0406	0.0367	0.9666	0.0334	0.0405
	541330	0.0870	0.0169	0.0715	0.0519	0.092	1.0000	0.0000	0.0519
Quakertown	237310	0.2093	0.0169	0.0921	0.1131	0.1507	0.8544	0.1456	0.1186
	541330	0.0514	0.0169	0.0715	0.0341	0.0614	1.0000	0.0000	0.0341
Schuylkill Co./ Joe Zerbey	236210	0.1940	0.0169	0.0531	0.1054	.01235	0.9469	0.0531	0.1064
	541330	0.0608	0.0169	0.0715	0.0388	0.0661	1.0000	0.0000	0.0388
Somerset	236210	0.2589	0.0169	0.0531	0.1379	0.1560	0.9469	0.0531	0.1388
	541330	0.0867	0.0169	0.0715	0.0518	0.0535	1.0000	0.0000	0.0518

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
St. Mary's	237310	0.3843	0.0169	0.0921	0.2006	0.2382	0.8544	0.1456	0.2061
	541330	0.0891	0.0169	0.0715	0.0530	0.0803	1.0000	0.0000	0.0530
Wellsboro-Johnston	237310	0.0680	0.0169	0.0921	0.0424	0.0801	0.8544	0.1456	0.0479
	541330	0.0132	0.0169	0.0715	0.0150	0.0423	1.0000	0.0000	0.0150
Wilkes-Barre/Wyo.	237310	0.2123	0.0169	0.0921	0.1146	0.1522	0.8544	0.1456	0.1201
	541330	0.0548	0.0169	0.0715	0.0358	0.0631	1.0000	0.0000	0.0358
William T. Piper	238910	0.0176	0.0169	0.0091	0.0173	0.0134	0.9666	0.0334	0.0171
	541330	0.0191	0.0169	0.0715	0.0180	0.0453	1.0000	0.0000	0.0180
Zelienople	237310	0.2721	0.0169	0.0921	0.1445	0.1821	0.8544	0.1456	0.1500
	541330	0.0689	0.0169	0.0715	0.0429	0.0702	1.0000	0.0000	0.0429
Beaver Co.	238910	0.0551	0.0169	0.0091	0.0360	0.0321	0.9666	0.0334	0.0359
	541330	0.0854	0.0169	0.0715	0.0512	0.0785	1.0000	0.0000	0.0512
Bloomsburg	236210	0.0000	0.0169	0.0531	0.0505	0.0686	0.9469	0.0531	0.0515
	541330	0.0381	0.0169	0.0715	0.0275	0.0548	1.0000	0.0000	0.0275
Bradford	237310	0.0600	0.0169	0.0921	0.0385	0.0683	0.8544	0.1456	0.0428
	541330	0.0271	0.0169	0.0715	0.0220	0.0493	1.0000	0.0000	0.0220
Brandywine	237130	0.0422	0.0169	0.1031	0.0296	0.0727	1.0000	0.0000	0.0296
	541330	0.0529	0.0169	0.0715	0.0349	0.0622	1.0000	0.0000	0.0349
Butler	541620	0.2389	0.0169	0.0286	0.1279	0.1337	0.7660	0.2349	0.1292
Chester Co. (1)	541330	0.0454	0.0169	0.0715	0.0312	0.0585	0.8335	0.1665	0.0357
	237310	0.2092	0.0169	0.0921	0.1131	0.1507	0.8544	0.1456	0.1185

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
Chester Co. (2)	541330	0.0454	0.0169	0.0715	0.0312	0.0585	1.0000	0.0000	0.0312
Chester Co. (3)	236210	0.2352	0.0169	0.0715	0.1260	0.1533	0.9469	0.0531	0.1275
	541330	0.0454	0.0169	0.0715	0.0312	0.0585	1.0000	0.0000	0.0312
Clarion Co.	237310	0.3204	0.0169	0.0921	0.1687	0.2063	1.0000	0.0000	0.1687
	541330	0.0840	0.0169	0.0715	0.0504	0.0777	1.0000	0.0000	0.0504
Clearfield-Lawrence	541330	0.0325	0.0169	0.0286	0.0247	0.0305	1.0000	0.0000	0.0247
	541320	0.0000	0.0169	0.0286	0.0084	0.0143	0.0000	1.0000	0.0143
	541370	0.0411	0.0169	0.0286	0.0290	0.0348	0.0000	1.0000	0.0348
	541340	0.0000	0.0169	0.0286	0.0084	0.0143	0.0000	1.0000	0.0143
	323111	0.0044	0.0169	0.0286	0.0106	0.0165	0.0000	1.0000	0.0165
	541820	0.2662	0.0169	0.0286	0.1416	0.1474	0.0000	1.0000	0.1474
	541620	0.0973	0.0169	0.0286	0.0571	0.0629	0.0000	1.0000	0.0629
Corry-Lawrence	238910	0.0573	0.0169	0.0091	0.0371	0.0332	0.9666	0.0334	0.0370
	541330	0.0678	0.0169	0.0715	0.0424	0.0697	1.0000	0.0000	0.0424
Doylestown	541330	0.0490	0.0169	0.0715	0.0329	0.0603	0.8335	0.1665	0.0375
Ebensburg	237130	0.1573	0.0169	0.1031	0.0871	0.1302	0.8946	0.1054	0.0916
	541330	0.0850	0.0169	0.0715	0.0509	0.0782	1.0000	0.0000	0.0509
Grove City	236210	0.2683	0.0169	0.0531	0.1426	0.1607	0.9469	0.0531	0.1436
	541330	0.0830	0.0169	0.0715	0.0500	0.0517	1.0000	0.0000	0.0500
Hazleton	541330	0.0586	0.0169	0.0715	0.0377	0.0650	0.8335	0.1665	0.0423
Heritage	237310	0.2352	0.0169	0.0921	0.1261	0.1637	0.8544	0.1456	0.1315

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
	541330	0.0491	0.0169	0.0715	0.0330	0.0603	0.8335	0.1665	0.0376
Indiana	541330	0.0849	0.0169	0.0286	0.0509	0.0567	1.0000	0.0000	0.0509
	541320	0.0689	0.0169	0.0286	0.0429	0.0487	0.0000	1.0000	0.0487
	541370	0.2102	0.0169	0.0286	0.1135	0.1194	0.0000	1.0000	0.1194
	541340	0.1977	0.0169	0.0286	0.1073	0.1131	0.0000	1.0000	0.1131
	323111	0.0087	0.0169	0.0286	0.0128	0.0187	0.0000	1.0000	0.0187
	541820	0.3725	0.0169	0.0286	0.1947	0.2005	0.0000	1.0000	0.2005
	541620	0.2622	0.0169	0.0286	0.1396	0.1454	0.0000	1.0000	0.1454
Mifflin	237130	0.0225	0.0169	0.1031	0.0197	0.0628	1.0000	0.0000	0.0197
	541330	0.0462	0.0169	0.0715	0.0316	0.0589	1.0000	0.0000	0.0316
New Castle	541330	0.0818	0.0169	0.0715	0.0493	0.0510	1.0000	0.0000	0.0493
	236210	0.2544	0.0169	0.0531	0.1356	0.1537	0.9469	0.0531	0.1366
New Garden	541330	0.0475	0.0169	0.0715	0.0322	0.0595	0.8335	0.1665	0.0367
Northumberland (1)	237310	0.1790	0.0169	0.0921	0.0980	0.1356	0.8544	0.1456	0.1034
	541330	0.0481	0.0169	0.0715	0.0334	0.0607	1.0000	0.0000	0.0304
Northumberland (2)	237310	0.1790	0.0169	0.0921	0.0980	0.1356	0.8544	0.1456	0.1034
	541330	0.0481	0.0169	0.0715	0.0334	0.0607	1.0000	0.0000	0.0304
Port Meadville	541330	0.0567	0.0169	0.0715	0.0368	0.0641	0.8335	0.1665	0.0413
Pottstown	541330	0.0491	0.0169	0.0715	0.0330	0.0603	0.8335	0.1665	0.0376
Punxsutawney	541310	0.0862	0.0169	0.0000	0.0515	0.0431	0.9393	0.0607	0.0510

Airport	NAICS Code	Adj. Ratio	Prime PP	Sub PP	Prime Ratio	Sub Ratio	Prime Wt.	Sub Wt.	Final Step-2 Ratio (NAICS)
Quakertown	541330	0.0514	0.0169	0.0715	0.0341	0.0614	0.8335	0.1665	0.0387
Somerset (1)	541330	0.0807	0.0169	0.0715	0.0518	0.0434	1.0000	0.0000	0.0518
Somerset (2)	541330	0.0807	0.0169	0.0715	0.0518	0.0434	1.0000	0.0000	0.0518
St. Mary's	237310	0.3843	0.0169	0.0921	0.2006	0.2382	0.8544	0.1456	0.2061
	541330	0.0891	0.0169	0.0715	0.0530	0.0803	1.0000	0.0000	0.0530
Titusville	237310	0.1147	0.0169	0.0921	0.1657	0.2033	1.0000	0.0000	0.1657
	541330	0.0836	0.0169	0.0715	0.0503	0.0776	1.0000	0.0000	0.0503
Venango Co.	236210	0.1587	0.0169	0.0531	0.0878	0.1059	0.9469	0.0531	0.0888
	541330	0.0785	0.0169	0.0715	0.0477	0.0750	1.0000	0.0000	0.0477
Wellsboro-Johnston	237130	0.0000	0.0169	0.1031	0.0084	0.0516	0.8946	0.1054	0.0130
	541330	0.0899	0.0169	0.0715	0.0150	0.0423	1.0000	0.0000	0.0150
Wilkes-Barre/Wyo. Valley	541330	0.0548	0.0169	0.0286	0.0358	0.0417	1.0000	0.0000	0.0358
	541320	0.0575	0.0169	0.0286	0.0372	0.0430	0.0000	1.0000	0.0430
	541370	0.0169	0.0169	0.0286	0.0652	0.0710	0.0000	1.0000	0.0710
	541340	0.1134	0.0169	0.0286	0.2316	0.2375	0.0000	1.0000	0.2375
	323111	0.0000	0.0169	0.0286	0.0084	0.0143	0.0000	1.0000	0.0143
	541820	0.1606	0.0169	0.0286	0.0888	0.0946	0.0000	1.0000	0.0946
	541620	0.1657	0.0169	0.0286	0.0913	0.0971	0.0000	1.0000	0.0971
William T. Piper	237130	0.0000	0.0169	0.1031	0.0084	0.0516	0.8946	0.1054	0.0130
	541330	0.0191	0.0169	0.0715	0.0180	0.0453	1.0000	0.0000	0.0180
Wings Field	541330	0.0484	0.0169	0.0715	0.0327	0.0600	0.8335	0.1665	0.0372

RACE-CONSCIOUS/RACE-NEUTRAL ALLOCATION

In conformance with the regulation, the Department allocates the step-2 ratios for each grant into race-conscious and race-neutral attainment. Once again the Department looked to its models to make these adjustments. In some models, the Department has met its overall goals, but in others more effort is needed. By expressing past participation as a percentage of goal attainment (attainment dollars divided by the goal expressed in dollars), the Department created a factor for adjusting the race-conscious and race-neutral portions of the final step-2 ratio.

By definition, the amount of the step-2 ratio attributable to prime attainment, calculated by multiplying the prime weight times the prime ratio, would be race-neutral (preliminary RN). The Department assumed the amount of the Step Two ratio attributable to sub attainment, calculated by multiplying the sub weight times the sub ratio, to be race-conscious (preliminary RC) as a starting point for calculation. Dividing this race-conscious portion by the attainment factor has the effect of raising the race-conscious portion of the ratio on contracts where participation has fallen short of contract goals in the past and lowering the race-conscious portion on contracts where participation has exceeded contract goals historically.

For example, a race conscious ratio of 5 percent on a type of contract where participation has been 80% of contract goals would be adjusted upward to 6.25% ($.05 / .8 = .0625$). A race conscious ratio of 5 percent on a type of contract where participation has been 120% of contract goals would be adjusted downward to 4.17% ($.05 / 1.2 = .0417$).

In cases where the model shows no attainment, the entire goal will be race-conscious. In cases where 5 or fewer DBEs are available in the market in a given NAICS code, all attainment attributable to that NAICS code will be race-neutral. No adjustment is made when no subcontracting opportunity exists. The adjustment is not used to raise the overall project goal. In those cases, ‘n/a’ will appear in the attainment factor column.

Table 4. Race-Conscious/Race Neutral Allocation

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Beaver Co.	237310	0.1658	0.0288	0.1370	0.8150	0.0354	0.1345
	541330	0.0512	0.0000	0.0512	n/a	0.0000	0.0512
Bedford Co.	541330	0.0338	0.0000	0.0038	n/a	0.0000	0.0038
	541320	0.0143	0.0143	0.0000	n/a	0.0000	0.0143
	541370	0.0530	0.0530	0.0000	n/a	0.0530	0.0000

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
	541340	0.1003	0.1003	0.0000	n/a	0.0000	0.1003
	323111	0.0207	0.0207	0.0000	n/a	0.0000	0.0207
	541820	0.0143	0.0143	0.0000	n/a	0.0000	0.0143
	541620	0.1092	0.1092	0.0000	n/a	0.1092	0.0000
Bloomsburg	237310	0.1117	0.0209	0.0908	0.8150	0.0257	0.0860
	541330	0.0275	0.0000	0.0275	n/a	0.0000	0.0275
Brandywine (1)	238910	0.0331	0.0010	0.0322	0.3028	0.0032	0.0299
	541330	0.0349	0.0000	0.0349	n/a	0.0000	0.0349
Brandywine (2)	237310	0.1273	0.0232	0.1040	0.8150	0.0285	0.0988
	541330	0.0349	0.0000	0.0349	n/a	0.0000	0.0349
Butler	237310	0.1598	0.0279	0.1319	0.8150	0.0343	0.1255
	541330	0.0480	0.0000	0.0480	n/a	0.0000	0.0480
Chester Co. (1)	237310	0.1185	0.0219	0.0966	0.8150	0.0269	0.0916
	541330	0.0312	0.0000	0.0312	n/a	0.0000	0.0312
Chester Co. (2)	237310	0.1185	0.0219	0.0966	0.8150	0.0269	0.0916
	541330	0.0312	0.0000	0.0312	n/a	0.0000	0.0312
Clarion	237310	0.1741	0.0300	0.1441	0.8150	0.0368	0.1373
	541330	0.0715	0.0000	0.0715	n/a	0.0000	0.0715
Corry-Lawrence (1)	237130	0.0665	0.0111	0.0554	1.0290	0.0108	0.0557
	541330	0.0424	0.0000	0.0424	n/a	0.0000	0.0424
	237310	0.1674	0.0000	0.1674	n/a	0.0000	0.1674

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Corry-Lawrence (2)	541330	0.0424	0.0000	0.0424	n/a	0.0000	0.0424
Doylestown (1)	541330	0.0375	0.0100	0.0275	0.9185	0.0109	0.0266
Doylestown (2)	238910	0.0372	0.0111	0.0361	0.3028	0.0037	0.0335
	541330	0.0329	0.0000	0.0329	n/a	0.0000	0.0329
Hazleton	236210	0.1085	0.0067	0.1019	0.8193	0.0081	0.1004
	541330	0.0377	0.0000	0.0377	n/a	0.0000	0.0377
Heritage	541330	0.0376	0.0100	0.0275	0.9185	0.0109	0.0266
Jake Arner	541310	0.0455	0.0023	0.0432	0.0000	0.0455	0.0000
Jos. Hardy / Connellsville (1)	541330	0.0556	0.0130	0.0426	0.9185	0.0142	0.0414
Jos. Hardy / Connellsville (2)	237310	0.1618	0.0282	0.1336	0.8150	0.0347	0.1272
	541330	0.0511	0.0000	0.0511	n/a	0.0000	0.0511
Mifflin Co. (1)	237310	0.1155	0.0000	0.1155	n/a	0.0000	0.1155
	541330	0.0316	0.0000	0.0316	n/a	0.0000	0.0316
Mifflin Co. (2)	237310	0.1155	0.0000	0.1155	n/a	0.0000	0.1155
	541330	0.0316	0.0000	0.0316	n/a	0.0000	0.0316
New Garden	541330	0.0336	0.0089	0.0247	0.9185	0.0097	0.0239
Northumberland	238910	0.0178	0.0005	0.0174	0.3028	0.0015	0.0163
	541330	0.0334	0.0000	0.0334	n/a	0.0000	0.0334
Penn Valley	541370	0.0969	0.0000	0.0969	n/a	0.0000	0.0969

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Pocono Mountain	237310	0.0830	0.0168	0.0662	0.8150	0.0206	0.0624
	541330	0.0302	0.0000	0.0302	n/a	0.0000	0.0302
Port Meadville	541330	0.0413	0.0107	0.0307	0.9185	0.0116	0.0297
Pottstown	541330	0.0376	0.0110	0.0275	0.9185	0.0109	0.0266
Punxsutawney	237310	0.1897	0.0000	0.1897	n/a	0.0000	0.1897
	541330	0.0519	0.0000	0.0519	n/a	0.0000	0.0519
Quakertown	541330	0.0387	0.0102	0.0284	0.9185	0.0111	0.0275
Somerset	541330	0.0518	0.0000	0.0518	n/a	0.0000	0.0518
	236210	0.1388	0.0083	0.1306	0.8193	0.0101	0.1287
St. Mary's	237310	0.2061	0.0347	0.1714	0.8150	0.0426	0.1635
	541330	0.0530	0.0000	0.0530	n/a	0.0000	0.0530
Titusville (1)	237130	0.0703	0.0115	0.0588	1.0290	0.0112	0.0592
	541330	0.0503	0.0000	0.0503	n/a	0.0000	0.0503
Titusville (2)	541330	0.0548	0.0129	0.0419	0.9185	0.0141	0.0407
Titusville (3)	238910	0.0381	0.0011	0.0370	0.3028	0.0038	0.0344
Venango	236210	0.0888	0.0056	0.0832	0.8193	0.0069	0.0819
	541330	0.0477	0.0000	0.0477	n/a	0.0000	0.0477
Washington Co.	238910	0.0321	0.0009	0.0311	0.3028	0.0031	0.0290
	541330	0.0514	0.0000	0.0514	n/a	0.0000	0.0514
Wilkes-Barre/Wyo. Valley	541330	0.0404	0.0105	0.0299	0.9185	0.0114	0.0289

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Zeleinople (1)	541330	0.0474	0.0117	0.0358	0.9185	0.0127	0.0347
Zeleinople (2)	238910	0.0322	0.0009	0.0313	0.3028	0.0031	0.0291
	541330	0.0429	0.0000	0.0429	n/a	0.0000	0.0429
Bedford Co.	541330	0.0384	0.0102	0.0292	1.1826	0.0086	0.0298
Bloomsburg	237130	0.0130	0.0000	0.0130	n/a	0.0000	0.0130
	541330	0.0275	0.0000	0.0275	n/a	0.0000	0.0275
Bradford	541330	0.0265	0.0000	0.0265	n/a	0.0000	0.0265
Brandywine	541330	0.0394	0.0104	0.0291	1.1826	0.0088	0.0307
Chester Co.	541330	0.0357	0.0097	0.0260	1.1826	0.0082	0.0275
Clearfield-Lawrence	236210	0.0493	0.0000	0.0493	n/a	0.0000	0.0493
	541330	0.0247	0.0000	0.0247	n/a	0.0000	0.0247
Doylestown (1)	237130	0.0302	0.0000	0.0302	n/a	0.0000	0.0302
Doylestown (2)	237310	0.1244	0.0228	0.1016	0.8150	0.0280	0.0965
	541330	0.0329	0.0000	0.0329	n/a	0.0000	0.0329
Ebensburg	237130	0.0916	0.0137	0.0779	1.0290	0.0133	0.0783
	541330	0.0509	0.0000	0.0509	n/a	0.0000	0.0509
Greenville	541310	0.0298	0.0013	0.0285	0.0000	0.0298	0.0000
	541330	0.0340	0.0000	0.0340	n/a	0.0000	0.0340
	236210	0.1048	0.0371	0.0677	0.0000	0.1048	0.0000
Grove City	541330	0.0500	0.0000	0.0500	n/a	0.0000	0.0500
	236210	0.1436	0.0085	0.1350	0.8193	0.0104	0.1332

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
New Castle	237310	0.1390	0.0249	0.1141	0.8150	0.0306	0.1084
	541330	0.0493	0.0000	0.0493	n/a	0.0000	0.0493
New Garden	237130	0.0333	0.0076	0.0257	1.0290	0.0074	0.0259
	541330	0.0322	0.0000	0.0322	n/a	0.0000	0.0322
Northumberland (1)	541330	0.0379	0.0101	0.0278	0.9185	0.0110	0.0269
Northumberland (2)	541330	0.0379	0.0101	0.0278	0.9185	0.0110	0.0269
Penn Valley	237310	0.1210	0.0223	0.0987	0.8150	0.0274	0.0936
	541330	0.0340	0.0000	0.0340	n/a	0.0000	0.0340
Pocono Mountain	541330	0.0348	0.0000	0.0348	n/a	0.0000	0.0348
	237130	0.0217	0.0000	0.0217	n/a	0.0000	0.0217
Port Meadville	237120	0.0816	0.0000	0.0816	n/a	0.0000	0.0816
	541330	0.0368	0.0000	0.0368	n/a	0.0000	0.0368
Pottstown	238910	0.0382	0.0011	0.0371	0.3028	0.0038	0.0344
	541330	0.0330	0.0000	0.0330	n/a	0.0000	0.0330
Punxsutawney	238910	0.0405	0.0012	0.0392	0.3028	0.0040	0.0364
	541330	0.0519	0.0000	0.0519	n/a	0.0000	0.0519
Quakertown	237310	0.1186	0.0219	0.0966	0.8150	0.0269	0.0917
	541330	0.0341	0.0000	0.0341	n/a	0.0000	0.0341
Schuylkill Co./ Joe Zerbey	236210	0.1064	0.0066	0.0998	0.8193	0.0080	0.0984
	541330	0.0388	0.0000	0.0388	n/a	0.0000	0.0388

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Somerset	236210	0.1388	0.0083	0.1306	0.8193	0.0101	0.1287
	541330	0.0518	0.0000	0.0518	n/a	0.0000	0.0518
St. Mary's	237310	0.2061	0.0000	0.2006	n/a	0.0000	0.2006
	541330	0.0530	0.0000	0.0530	n/a	0.0000	0.0530
Wellsboro-Johnston	237310	0.0479	0.0000	0.0479	n/a	0.0000	0.0479
	541330	0.0150	0.0000	0.0150	n/a	0.0000	0.0150
Wilkes-Barre/Wyo.	237310	0.1201	0.0222	0.0979	0.8150	0.0272	0.0929
	541330	0.0358	0.0000	0.0358	n/a	0.0000	0.0358
William T. Piper	238910	0.0171	0.0000	0.0171	n/a	0.0000	0.0171
	541330	0.0180	0.0000	0.0180	n/a	0.0000	0.0180
Zelienople	237310	0.1500	0.0265	0.1234	0.8150	0.0325	0.1174
	541330	0.0429	0.0000	0.0429	n/a	0.0000	0.0429
Beaver Co.	238910	0.0359	0.0011	0.0348	0.3028	0.0035	0.0323
	541330	0.0512	0.0000	0.0512	n/a	0.0000	0.0512
Bloomsburg	236210	0.0515	0.0000	0.0515	n/a	0.0000	0.0515
	541330	0.0275	0.0000	0.0275	n/a	0.0000	0.0275
Bradford	237310	0.0428	0.0000	0.0428	n/a	0.0000	0.0428
	541330	0.0220	0.0000	0.0220	n/a	0.0000	0.0220
Brandywine	237130	0.0296	0.0000	0.0296	n/a	0.0000	0.0296
	541330	0.0349	0.0000	0.0349	n/a	0.0000	0.0349
Butler	541620	0.1292	0.0313	0.0980	0.9185	0.0341	0.0952

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Chester Co. (1)	541330	0.0357	0.0097	0.0260	1.1826	0.0082	0.0275
Chester Co. (2)	237310	0.1185	0.0219	0.0966	0.8150	0.0269	0.0916
	541330	0.0312	0.0000	0.0312	n/a	0.0000	0.0312
Chester Co. (3)	236210	0.1275	0.0081	0.1194	0.8193	0.0099	0.1176
	541330	0.0312	0.0000	0.0312	n/a	0.0000	0.0312
Clarion Co.	237310	0.1687	0.0300	0.1441	n/a	0.0000	0.1687
	541330	0.0504	0.0000	0.0504	n/a	0.0000	0.0504
Clearfield-Lawrence	541330	0.0247	0.0000	0.0247	n/a	0.0000	0.0247
	541320	0.0143	0.0000	0.0143	n/a	0.0000	0.0143
	541370	0.0348	0.0000	0.0348	n/a	0.0000	0.0348
	541340	0.0143	0.0000	0.0143	n/a	0.0000	0.0143
	323111	0.0165	0.0000	0.0165	n/a	0.0000	0.0165
	541820	0.1474	0.0000	0.1474	n/a	0.0000	0.1474
	541620	0.0629	0.0000	0.0629	n/a	0.0000	0.0629
Corry-Lawrence	238910	0.0370					
	541330	0.0424	0.0000	0.0424	n/a	0.0000	0.0424
Doylestown	541330	0.0375	0.0100	0.0275	0.9185	0.0109	0.0266
Ebensburg	237130	0.0916	0.0137	0.0779	1.0290	0.0133	0.0783
	541330	0.0509	0.0000	0.0509	n/a	0.0000	0.0509
Grove City	236210	0.1436	0.0085	0.1350	0.8193	0.0104	0.1332
	541330	0.0500	0.0000	0.0500	n/a	0.0000	0.0500

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Hazleton	541330	0.0423	0.0108	0.0315	0.9185	0.0118	0.0305
Heritage	237310	0.1315	0.0238	0.1077	0.8150	0.0292	0.1023
	541330	0.0330	0.0000	0.0330	n/a	0.0000	0.0330
Indiana	541330	0.0509	0.0000	0.0509	n/a	0.0000	0.0509
	541320	0.0487	0.0487	0.0000	n/a	0.0000	0.0487
	541370	0.1194	0.1194	0.0000	n/a	0.1194	0.0000
	541340	0.1131	0.1131	0.0000	n/a	0.1131	0.0000
	323111	0.0187	0.0187	0.0000	n/a	0.0000	0.0187
	541820	0.2005	0.2005	0.0000	n/a	0.2005	0.0000
	541620	0.1454	0.1454	0.0000	n/a	0.1454	0.1454
Mifflin	237130	0.0197	0.0000	0.0197	n/a	0.0000	0.0197
	541330	0.0316	0.0000	0.0316	n/a	0.0000	0.0316
New Castle	541330	0.0493	0.0000	0.0493	n/a	0.0000	0.0493
	236210	0.1366	0.0082	0.1284	0.8193	0.0100	0.1266
New Garden	541330	0.0367	0.0089	0.0247	0.9185	0.0097	0.0239
Northumberland (1)	237310	0.1034	0.0197	0.0837	0.8150	0.0242	0.0792
	541330	0.0304	0.0000	0.0304	n/a	0.0000	0.0304
Northumberland (2)	237310	0.1034	0.0197	0.0837	0.8150	0.0242	0.0792
	541330	0.0304	0.0000	0.0304	n/a	0.0000	0.0304
Port Meadville	541330	0.0413	0.0107	0.0307	0.9185	0.0116	0.0297
Pottstown	541330	0.0376	0.0100	0.0275	0.9185	0.0109	0.0266

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Punxsutawney	541310	0.0510	0.0026	0.0484	0.0000	0.0510	0.0000
Quakertown	541330	0.0387	0.0102	0.0284	0.9185	0.0111	0.0275
Somerset (1)	541330	0.0518	0.0000	0.0518	n/a	0.0000	0.0518
Somerset (2)	541330	0.0518	0.0000	0.0518	n/a	0.0000	0.0518
St. Mary's	237310	0.2061	0.0347	0.1714	0.8150	0.0426	0.1635
	541330	0.0530	0.0000	0.0530	n/a	0.0000	0.0530
Titusville	237310	0.1657	0.0000	0.1657	n/a	0.0000	0.1657
	541330	0.0503	0.0000	0.0503	n/a	0.0000	0.0503
Venango Co.	236210	0.0888	0.0056	0.0832	0.8193	0.0069	0.0819
	541330	0.0477	0.0000	0.0477	n/a	0.0000	0.0477
Wellsboro-Johnston	237130	0.0130	0.0000	0.0130	n/a	0.0000	0.0130
	541330	0.0150	0.0000	0.0150	n/a	0.0000	0.0150
Wilkes-Barre/Wyo. Valley	541330	0.0358	0.0000	0.0358	n/a	0.0000	0.0358
	541320	0.0430	0.0430	0.0000	n/a	0.0430	0.0000
	541370	0.0710	0.0710	0.0000	n/a	0.0710	0.0000
	541340	0.2375	0.2375	0.0000	n/a	0.2375	0.0000
	323111	0.0143	0.0143	0.0000	n/a	0.0000	0.0143
	541820	0.0946	0.0946	0.0000	n/a	0.0946	0.0000
	541620	0.0971	0.0971	0.0000	n/a	0.0971	0.0000
William T. Piper	237130	0.0130	0.0000	0.0130	n/a	0.0000	0.0130
	541330	0.0180	0.0000	0.0180	n/a	0.0000	0.0180

Airport	NAICS Code	Final Step-2 Ratio (NAICS)	Prelim. RC	Prelim. RN	Att. Factor	Final RC	Final RN
Wings Field	541330	0.0372	0.0100	0.0272	0.9185	0.0109	0.0263

Numbers are rounded for display purposes.

GRANT GOALS

In accordance with the guidance set forth in the Tips, the race-conscious and race-neutral ratios for each NAICS code on each grant were weighted according to the dollar amounts budgeted for those NAICS codes to arrive at race-conscious and race-neutral goals for each grant.

Table 5. Grant Goals

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Beaver Co.	237310	0.0354	0.1345	0.7333	0.0259	0.0957	0.0259	0.1093
	541330	0.0000	0.0512	0.2667	0.0000	0.0136		
Bedford Co.	541330	0.0000	0.0038	0.2500	0.0000	0.0085	0.0270	0.0231
	541320	0.0143	0.0000	0.2000	0.0000	0.0029		
	541370	0.0530	0.0000	0.2000	0.0106	0.0000		
	541340	0.1003	0.0000	0.1000	0.0000	0.0100		
	323111	0.0207	0.0000	0.0500	0.0000	0.0010		
	541820	0.0143	0.0000	0.0500	0.0000	0.0007		
	541620	0.1092	0.0000	0.1500	0.0164	0.0000		
Bloomsburg	237310	0.0257	0.0860	0.9667	0.0248	0.0832	0.0248	0.0841
	541330	0.0000	0.0275	0.0333	0.0000	0.0009		
Brandywine (1)	238910	0.0032	0.0299	0.7000	0.0023	0.0209	0.0023	0.0314
	541330	0.0000	0.0349	0.3000	0.0000	0.0105		
	237310	0.0285	0.0988	0.9603	0.0273	0.0949	0.0273	0.0962

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Brandywine (2)	541330	0.0000	0.0349	0.0397	0.0000	0.0014		
Butler	237310	0.0343	0.1255	0.8234	0.0282	0.1034	0.0282	0.1118
	541330	0.0000	0.0480	0.1766	0.0000	0.0085		
Chester Co. (1)	237310	0.0269	0.0916	0.9773	0.0263	0.0895	0.0263	0.0902
	541330	0.0000	0.0312	0.0227	0.0000	0.0007		
Chester Co. (2)	237310	0.0269	0.0916	0.9646	0.0260	0.0884	0.0260	0.0895
	541330	0.0000	0.0312	0.0354	0.0000	0.0011		
Clarion	237310	0.0368	0.1373	0.9443	0.0348	0.1296	0.0348	0.1324
	541330	0.0000	0.0715	0.0557	0.0000	0.0028		
Corry-Lawrence (1)	237130	0.0108	0.0557	0.5267	0.0057	0.0293	0.0057	0.1002
	541330	0.0000	0.0424	0.4233	0.0000	0.0709		
Corry-Lawrence (2)	237310	0.0000	0.1674	0.7333	0.0000	0.1228	0.0000	0.1341
	541330	0.0000	0.0424	0.2667	0.0000	0.0113		
Doylestown (1)	541330	0.0109	0.0266	1.0000	0.0109	0.0266	0.0109	0.0266
Doylestown (2)	238910	0.0037	0.0335	0.8677	0.0032	0.0291	0.0032	0.0335
	541330	0.0000	0.0329	0.1323	0.0000	0.0044		
Hazleton	236210	0.0081	0.1004	0.8823	0.0072	0.0887	0.0072	0.0931
	541330	0.0000	0.0377	0.1167	0.0000	0.0044		
Heritage	541330	0.0109	0.0266	1.0000	0.0109	0.0266	0.0109	0.0266
Jake Arner	541310	0.0455	0.0000	1.0000	0.0455	0.0000	0.0455	0.0000

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Jos. Hardy / Connellsville (1)	541330	0.0142	0.0414	1.0000	0.0142	0.0414	0.0142	0.0414
Jos. Hardy / Connellsville (2)	237310	0.0347	0.1272	0.9558	0.0331	0.1216	0.0331	0.1238
	541330	0.0000	0.0511	0.0442	0.0000	0.0023		
Mifflin Co. (1)	237310	0.0000	0.1155	0.7333	0.0000	0.0847	0.0000	0.0931
	541330	0.0000	0.0316	0.2667	0.0000	0.0084		
Mifflin Co. (2)	237310	0.0000	0.1155	0.6667	0.0000	0.0770	0.0000	0.0875
	541330	0.0000	0.0316	0.3333	0.0000	0.0105		
New Garden	541330	0.0097	0.0239	1.0000	0.0097	0.0239	0.0097	0.0239
Northumber- land	238910	0.0015	0.0163	0.9000	0.0014	0.0146	0.0014	0.0180
	541330	0.0000	0.0334	0.1000	0.0000	0.0033		
Penn Valley	541370	0.0000	0.0969	1.0000	0.0000	0.0969	0.0000	0.0969
Pocono Mountain	237310	0.0206	0.0624	0.9643	0.0198	0.0601	0.0198	0.0613
	541330	0.0000	0.0302	0.0357	0.0000	0.0011		
Port Meadville	541330	0.0116	0.0297	1.0000	0.0116	0.0297	0.0116	0.0297
Pottstown	541330	0.0109	0.0266	1.0000	0.0109	0.0266	0.0109	0.0266
Punxsu- tawney	237310	0.0000	0.1897	0.7333	0.0000	0.1391	0.0000	0.1530
	541330	0.0000	0.0519	0.2667	0.0000	0.0139		
Quakertown	541330	0.0111	0.0275	1.0000	0.0111	0.0275	0.0111	0.0275
Somerset	541330	0.0000	0.0518	0.4444	0.0000	0.0230	0.0056	0.0945
	236210	0.0101	0.1287	0.5556	0.0056	0.0715		
St. Mary's	237310	0.0426	0.1635	0.9463	0.0403	0.1548	0.0403	0.1576

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
	541330	0.0000	0.0530	0.0537	0.0000	0.0028		
Titusville (1)	237130	0.0112	0.0592	0.8500	0.0095	0.0503	0.0095	0.0578
	541330	0.0000	0.0503	0.1500	0.0000	0.0075		
Titusville (2)	541330	0.0141	0.0407	1.0000	0.0141	0.0407	0.0141	0.0407
Titusville (3)	238910	0.0038	0.0344	1.0000	0.0038	0.0344	0.0038	0.0344
Venango	236210	0.0069	0.0819	0.8667	0.0059	0.0710	0.0059	0.0774
	541330	0.0000	0.0477	0.1333	0.0000	0.0064		
Washington Co.	238910	0.0031	0.0290	0.7569	0.0024	0.0219	0.0024	0.0344
	541330	0.0000	0.0514	0.2431	0.0000	0.0125		
Wilkes-Barre/Wyo. Valley	541330	0.0114	0.0289	1.0000	0.0114	0.0289	0.0114	0.0289
Zeleinople (1)	541330	0.0127	0.0347	1.0000	0.0127	0.0347	0.0127	0.0347
Zeleinople (2)	238910	0.0031	0.0291	0.5085	0.0016	0.0148	0.0016	0.0359
	541330	0.0000	0.0429	0.4915	0.0000	0.0211		
Bedford Co.	541330	0.0086	0.0298	1.0000	0.0086	0.0298	0.0086	0.0298
Bloomsburg	237130	0.0000	0.0130	0.606	0.0000	0.0079	0.0000	0.0176
	541330	0.0000	0.0275	0.3528	0.0000	0.0097		
Bradford	541330	0.0000	0.0265	1.0000	0.0000	0.0265	0.0000	0.0265
Brandywine	541330	0.0088	0.0307	1.0000	0.0088	0.0307	0.0088	0.0307
Chester Co.	541330	0.0082	0.0275	1.0000	0.0082	0.0275	0.0082	0.0275
Clearfield-Lawrence	236210	0.0000	0.0493	0.8333	0.0000	0.0411	0.0000	0.0452
	541330	0.0000	0.0247	0.1667	0.0000	0.0041		

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Doylestown (1)	237130	0.0000	0.0302	1.0000	0.0000	0.0302	0.0000	0.0302
Doylestown (2)	237310	0.0280	0.0965	0.9683	0.0271	0.0934	0.0271	0.0945
	541330	0.0000	0.0329	0.0317	0.0000	0.0010		
Ebensburg	237130	0.0133	0.0783	0.9444	0.0126	0.0740	0.0126	0.0768
	541330	0.0000	0.0509	0.0556	0.0000	0.0028		
Greenville	541310	0.0298	0.0000	0.2167	0.0065	0.0000	0.0816	0.0023
	541330	0.0000	0.0340	0.0667	0.0000	0.0023		
	236210	0.1048	0.0000	0.7167	0.0751	0.0000		
Grove City	541330	0.0000	0.0500	0.3333	0.0000	0.0167	0.0069	0.1054
	236210	0.0104	0.1332	0.6667	0.0069	0.0888		
New Castle	237310	0.0306	0.1084	0.8438	0.0258	0.0915	0.0258	0.0992
	541330	0.0000	0.0493	0.1462	0.0000	0.0077		
New Garden	237130	0.0074	0.0259	0.8158	0.0060	0.0211	0.0060	0.0262
	541330	0.0000	0.0322	0.1579	0.0000	0.0051		
Northumberland (1)	541330	0.0110	0.0269	1.0000	0.0110	0.0269	0.0110	0.0269
Northumberland (2)	541330	0.0110	0.0269	1.0000	0.0110	0.0269	0.0110	0.0269
Penn Valley	237310	0.0274	0.0936	0.4074	0.0111	0.0381	0.0111	0.0583
	541330	0.0000	0.0340	0.5926	0.0000	0.0201		
Pocono Mountain	541330	0.0081	0.0267	0.9132	0.0007	0.0023	0.0007	0.0022
	237130	0.0000	0.0217	0.0868	0.0000	0.0199		
	237120	0.0000	0.0816	0.9132	0.0000	0.0745	0.0000	0.0777

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Port Meadville	541330	0.0000	0.0368	0.0868	0.0000	0.0032		
Pottstown	238910	0.0038	0.0344	0.8444	0.0032	0.0291	0.0032	0.0342
	541330	0.0000	0.0330	0.1556	0.0000	0.0051		
Punxsu-tawney	238910	0.0040	0.0364	0.6825	0.0028	0.0249	0.0028	0.0413
	541330	0.0000	0.0519	0.3175	0.0000	0.0165		
Quakertown	237310	0.0269	0.0917	0.9100	0.0245	0.0834	0.0245	0.0865
	541330	0.0000	0.0341	0.0900	0.0000	0.0031		
Schuylkill Co./ Joe Zerbey	236210	0.0080	0.0984	0.9500	0.0076	0.0935	0.0076	0.0954
	541330	0.0000	0.0388	0.0500	0.0000	0.0019		
Somerset	236210	0.0101	0.1287	0.9000	0.0091	0.1159	0.0091	0.1210
	541330	0.0000	0.0518	0.1000	0.0000	0.0052		
St. Mary's	237310	0.0000	0.2006	0.7333	0.0000	0.1471	0.0000	0.1612
	541330	0.0000	0.0530	0.2667	0.0000	0.0141		
Wellsboro-Johnston	237310	0.0000	0.0479	0.5789	0.0000	0.0277	0.0000	0.0341
	541330	0.0000	0.0150	0.4211	0.0000	0.0063		
Wilkes-Barre/Wyo.	237310	0.0272	0.0929	0.9498	0.0258	0.0882	0.0258	0.0900
	541330	0.0000	0.0358	0.0502	0.0000	0.0018		
William T. Piper	238910	0.0000	0.0171	0.6667	0.0000	0.0114	0.0000	0.0174
	541330	0.0000	0.0180	0.3333	0.0000	0.0060		
Zelienople	237310	0.0325	0.1174	0.9757	0.0304	0.1098	0.0304	0.1126
	541330	0.0000	0.0429	0.0243	0.0000	0.0028		
Beaver Co.	238910	0.0035	0.0323	0.8000	0.0028	0.0259	0.0028	0.0361

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
	541330	0.0000	0.0512	0.2000	0.0000	0.0102		
Bloomsburg	236210	0.0000	0.0515	0.6667	0.0000	0.0343	0.0000	0.0435
	541330	0.0000	0.0275	0.3333	0.0000	0.0092		
Bradford	237310	0.0000	0.0428	0.9772	0.0000	0.0416	0.0000	0.0422
	541330	0.0000	0.0220	0.0278	0.0000	0.0006		
Brandywine	237130	0.0000	0.0296	0.9611	0.0000	0.0284	0.0000	0.0298
	541330	0.0000	0.0349	0.0389	0.0000	0.0014		
Butler	541620	0.0341	0.0952	1.0000	0.0341	0.0952	0.0341	0.0952
Chester Co. (1)	541330	0.0082	0.0275	1.0000	0.0082	0.0275	0.0082	0.0275
Chester Co. (2)	237310	0.0269	0.0916	0.9805	0.0264	0.0898	0.0264	0.0904
	541330	0.0000	0.0312	0.0195	0.0000	0.0006		
Chester Co. (3)	236210	0.0099	0.1176	0.8800	0.0087	0.1035	0.0087	0.1072
	541330	0.0000	0.0312	0.1200	0.0000	0.0037		
Clarion Co.	237310	0.0000	0.1687	0.7333	0.0000	0.1237	0.0000	0.1371
	541330	0.0000	0.0504	0.2667	0.0000	0.0135		
Clearfield-Lawrence	541330	0.0000	0.0247	0.2500	0.0000	0.0062	0.0000	0.0351
	541320	0.0000	0.0143	0.2000	0.0000	0.0029		
	541370	0.0000	0.0348	0.2000	0.0000	0.0070		
	541340	0.0000	0.0143	0.1000	0.0000	0.0014		
	323111	0.0000	0.0165	0.0500	0.0000	0.0008		
	541820	0.0000	0.1474	0.0500	0.0000	0.0074		
	541620	0.0000	0.0629	0.1500	0.0000	0.0094		

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Corry-Lawrence	238910	0.0037	0.0333	0.7333	0.0027	0.0244	0.0027	0.0357
	541330	0.0000	0.0424	0.2667	0.0000	0.0113		
Doylestown	541330	0.0109	0.0266	1.0000	0.0109	0.0266	0.0109	0.0266
Ebensburg	237130	0.0133	0.0783	0.8333	0.0111	0.0653	0.0111	0.0737
	541330	0.0000	0.0509	0.1667	0.0000	0.0085		
Grove City	236210	0.0104	0.1332	0.9000	0.0094	0.1198	0.0094	0.1248
	541330	0.0000	0.0500	0.1000	0.0000	0.0050		
Hazleton	541330	0.0118	0.0305	1.0000	0.0118	0.0305	0.0118	0.0305
Heritage	237310	0.0292	0.1023	0.9469	0.0282	0.0987	0.0282	0.0999
	541330	0.0000	0.0330	0.0251	0.0000	0.0112		
Indiana	541330	0.0000	0.0509	0.2500	0.0000	0.0127	0.0670	0.0234
	541320	0.0000	0.0487	0.2000	0.0000	0.0097		
	541370	0.1194	0.0000	0.2000	0.0239	0.0000		
	541340	0.1131	0.0000	0.1000	0.0113	0.0000		
	323111	0.0000	0.0187	0.0500	0.0000	0.0009		
	541820	0.2005	0.0000	0.0500	0.0100	0.0000		
	541620	0.1454	0.1454	0.1500	0.0219	0.0000		
Mifflin	237130	0.0000	0.0197	0.7237	0.0000	0.0142	0.0000	0.0217
	541330	0.0000	0.0316	0.2368	0.0000	0.0075		
New Castle	541330	0.0000	0.0493	0.6667	0.0000	0.0164	0.0066	0.1009
	236210	0.0100	0.1266	0.3333	0.0066	0.0844		
New Garden	541330	0.0097	0.0239	1.0000	0.0097	0.0239	0.0097	0.0239
	237310	0.0242	0.0792	0.9111	0.0221	0.0722	0.0230	0.0746

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
Northumberland (1)	541330	0.0000	0.0304	0.0889	0.0000	0.0030		
Northumberland (2)	237310	0.0242	0.0792	0.8889	0.0215	0.0704	0.0228	0.0734
	541330	0.0000	0.0304	0.1111	0.0000	0.0037		
Port Meadville	541330	0.0116	0.0297	1.0000	0.0116	0.0297	0.0116	0.0297
Pottstown	541330	0.0109	0.0266	1.0000	0.0109	0.0266	0.0109	0.0266
Punxsutawney	541310	0.0510	0.0000	1.0000	0.0510	0.0000	0.0510	0.0000
Quakertown	541330	0.0111	0.0275	1.0000	0.0111	0.0275	0.0111	0.0275
Somerset (1)	541330	0.0000	0.0518	1.0000	0.0000	0.0518	0.0000	0.0518
Somerset (2)	541330	0.0000	0.0518	1.0000	0.0000	0.0518	0.0000	0.0518
St. Mary's	237310	0.0000	0.1635	0.6667	0.0284	0.1090	0.0284	0.1267
	541330	0.0000	0.0530	0.3333	0.0000	0.0177		
Titusville	237310	0.0000	0.1657	0.7333	0.0000	0.1215	0.0000	0.1349
	541330	0.0000	0.0503	0.2667	0.0000	0.0134		
Venango Co.	236210	0.0069	0.0819	0.8667	0.0059	0.0710	0.0059	0.0774
	541330	0.0000	0.0477	0.1333	0.0000	0.0064		
Wellsboro-Johnston	237130	0.0000	0.0130	1.0000	0.0000	0.0130	0.0000	0.0130
Wilkes-Barre/Wyo. Valley	541330	0.0000	0.0358	0.2500	0.0000	0.0090	0.0659	0.0097
	541320	0.0430	0.0000	0.2000	0.0086	0.0000		
	541370	0.0710	0.0000	0.2000	0.0142	0.0000		
	541340	0.2375	0.0000	0.1000	0.0237	0.0000		

Airport	NAICS Code	Final RC	Final RN	Weights	Wtd. RC	Wtd. RN	Grant RC	Grant RN
	323111	0.0000	0.0143	0.0500	0.0000	0.0007		
	541820	0.0946	0.0000	0.0500	0.0047	0.0000		
	541620	0.0971	0.0000	0.1500	0.0146	0.0000		
William T. Piper	237130	0.0000	0.0130	0.8889	0.0000	0.0115	0.0000	0.0135
	541330	0.0000	0.0180	0.1111	0.0000	0.0020		
Wings Field	541330	0.0109	0.0263	1.0000	0.0109	0.0263	0.0109	0.0263

FINAL GOAL CALCULATION

Once each grant was adjusted and allocated according to anticipated race-conscious and race-neutral attainment, the ratios were weighted according to their federal dollar amounts to calculate the Department's overall goal.

Table 6. Final Goal Calculation.

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Beaver Co.	\$900,000	0.0245	0.1352	0.0259	0.1093	0.0006	0.0027	0.0033
Bedford Co.	\$209,000	0.0057	0.0501	0.0270	0.0231	0.0002	0.0001	0.0003
Bloomsburg	\$900,000	0.0245	0.1089	0.0248	0.0841	0.0006	0.0021	0.0027
Brandywine (1)	\$150,000	0.0041	0.0337	0.0023	0.0314	0.0000	0.0001	0.0001
Brandywine (2)	\$882,000	0.0240	0.1236	0.0273	0.0962	0.0007	0.0023	0.0030
Butler	\$736,250	0.0200	0.1401	0.0282	0.1118	0.0006	0.0022	0.0028
Chester Co. (1)	\$1,980,000	0.0538	0.1166	0.0263	0.0902	0.0014	0.0049	0.0063
Chester Co. (2)	\$990,000	0.0269	0.1155	0.0260	0.0895	0.0007	0.0024	0.0031
Clarion	\$628,750	0.0171	0.1672	0.0348	0.1324	0.0006	0.0023	0.0029

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Corry-Lawrence (1)	\$150,000	0.0041	0.1059	0.0057	0.1002	0.0000	0.0004	0.0004
Corry-Lawrence (2)	\$150,000	0.0041	0.1341	0.0000	0.1341	0.0000	0.0005	0.0005
Doylestown (1)	\$150,000	0.0041	0.0375	0.0109	0.0266	0.0000	0.0001	0.0001
Doylestown (2)	\$189,000	0.0051	0.0367	0.0032	0.0335	0.0000	0.0002	0.0002
Hazleton	\$150,000	0.0041	0.1003	0.0072	0.0931	0.0000	0.0004	0.0004
Heritage	\$128,250	0.0035	0.0376	0.0109	0.0266	0.0000	0.0001	0.0001
Jake Arner	\$150,000	0.0041	0.0455	0.0455	0.0000	0.0002	0.0000	0.0002
Jos. A. Hardy / Connellsville (1)	\$150,000	0.0041	0.0556	0.0142	0.0414	0.0001	0.0002	0.0002
Jos. A. Hardy / Connellsville (2)	\$792,000	0.0215	0.1570	0.0331	0.1238	0.0007	0.0027	0.0034
Mifflin Co. (1)	\$150,000	0.0041	0.0931	0.0000	0.0931	0.0000	0.0004	0.0004
Mifflin Co. (2)	\$150,000	0.0041	0.0875	0.0000	0.0875	0.0000	0.0004	0.0004
New Garden	\$142,500	0.0039	0.0336	0.0097	0.0239	0.0000	0.0001	0.0001
Northumberland	\$150,000	0.0041	0.0194	0.0014	0.0180	0.0000	0.0001	0.0001
Penn Valley	\$36,000	0.0010	0.0969	0.0000	0.0969	0.0000	0.0001	0.0001
Pocono Mountain	\$1,260,000	0.0343	0.0811	0.0198	0.0613	0.0007	0.0021	0.0028
Port Meadville	\$80,000	0.0022	0.0413	0.0116	0.0297	0.0000	0.0001	0.0001
Pottstown	\$150,000	0.0041	0.0376	0.0109	0.0266	0.0000	0.0001	0.0001

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Punxsutawney	\$150,000	0.0041	0.1530	0.0000	0.1530	0.0000	0.0006	0.0006
Quakertown	\$150,000	0.0041	0.0387	0.0111	0.0275	0.0000	0.0001	0.0001
Somerset	\$225,000	0.0061	0.1002	0.0056	0.0945	0.0000	0.0006	0.0006
St. Mary's	\$372,500	0.0101	0.1979	0.0403	0.1576	0.0004	0.0016	0.0020
Titusville (1)	\$200,000	0.0054	0.0673	0.0095	0.0578	0.0001	0.0003	0.0004
Titusville (2)	\$130,000	0.0035	0.0548	0.0141	0.0407	0.0000	0.0001	0.0001
Titusville (3)	\$130,000	0.0035	0.0381	0.0038	0.0344	0.0000	0.0001	0.0001
Venango	\$150,000	0.0041	0.0833	0.0059	0.0774	0.0000	0.0003	0.0003
Washington Co.	\$720,000	0.0196	0.0368	0.0024	0.0344	0.0000	0.0007	0.0007
Wilkes-Barre/Wyoming Valley	\$150,000	0.0041	0.0404	0.0114	0.0289	0.0001	0.0002	0.0002
Zelienople (1)	\$150,000	0.0041	0.0474	0.0127	0.0347	0.0001	0.0001	0.0002
Zelienople (2)	\$244,150	0.0066	0.0375	0.0016	0.0359	0.0000	0.0002	0.0002
Bedford Co.	\$150,000	0.0041	0.0384	0.0086	0.0298	0.0000	0.0001	0.0001
Bloomsburg	\$180,000	0.0049	0.0176	0.0000	0.0176	0.0000	0.0001	0.0001
Bradford	\$90,000	0.0024	0.0265	0.0000	0.0265	0.0000	0.0001	0.0001
Brandywine	\$117,000	0.0032	0.0394	0.0088	0.0307	0.0000	0.0001	0.0001
Chester Co.	\$150,000	0.0041	0.0357	0.0082	0.0275	0.0000	0.0001	0.0001
Clearfield-Lawrence	\$300,000	0.0082	0.0452	0.0000	0.0452	0.0000	0.0004	0.0004
Doylestown (1)	\$765,000	0.0208	0.0302	0.0000	0.0302	0.0000	0.0006	0.0006

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Doylestown (2)	\$1,260,000	0.0343	0.1215	0.0271	0.0945	0.0009	0.0032	0.0042
Ebensburg	\$450,000	0.0122	0.0894	0.0126	0.0768	0.0002	0.0009	0.0011
Greenville	\$300,000	0.0082	0.0838	0.0816	0.0023	0.0007	0.0000	0.0007
Grove City	\$150,000	0.0041	0.1124	0.0069	0.1054	0.0000	0.0004	0.0004
New Castle	\$800,000	0.0218	0.1250	0.0258	0.0992	0.0006	0.0022	0.0027
New Garden	\$285,000	0.0077	0.0322	0.0060	0.0262	0.0000	0.0002	0.0002
Northumberland (1)	\$75,000	0.0020	0.0379	0.0110	0.0269	0.0000	0.0001	0.0001
Northumberland (2)	\$75,000	0.0020	0.0379	0.0110	0.0269	0.0000	0.0001	0.0001
Penn Valley	\$67,500	0.0018	0.0694	0.0111	0.0583	0.0000	0.0001	0.0001
Pocono Mountain	\$288,000	0.0078	0.0229	0.0007	0.0222	0.0000	0.0002	0.0002
Port Meadville	\$288,000	0.0078	0.0777	0.0000	0.0777	0.0000	0.0006	0.0006
Pottstown	\$225,000	0.0061	0.0374	0.0032	0.0342	0.0000	0.0002	0.0002
Punxsutawney	\$315,000	0.0086	0.0441	0.0028	0.0413	0.0000	0.0004	0.0004
Quakertown	\$500,000	0.0136	0.1110	0.0245	0.0865	0.0003	0.0012	0.0015
Schuylkill Co./ Joe Zerbey	\$300,000	0.0082	0.1030	0.0076	0.0954	0.0001	0.0008	0.0008
Somerset	\$150,000	0.0041	0.1301	0.0091	0.1210	0.0000	0.0005	0.0005
St. Mary's	\$150,000	0.0041	0.1612	0.0000	0.1612	0.0000	0.0007	0.0007
Wellsboro-Johnston	\$237,500	0.0065	0.0341	0.0000	0.0341	0.0000	0.0002	0.0002

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Wilkes-Barre/Wyo.	\$697,500	0.0190	0.1158	0.0258	0.0900	0.0005	0.0017	0.0022
William T. Piper	\$300,000	0.0082	0.0174	0.0000	0.0174	0.0000	0.0001	0.0001
Zelienople	\$3,082,950	0.0838	0.1430	0.0304	0.1126	0.0025	0.0094	0.0120
Beaver Co.	\$250,000	0.0068	0.0389	0.0028	0.0361	0.0000	0.0002	0.0002
Bloomsburg	\$150,000	0.0041	0.0435	0.0000	0.0435	0.0000	0.0002	0.0002
Bradford	\$1,620,000	0.0441	0.0422	0.0000	0.0422	0.0000	0.0019	0.0019
Brandywine	\$772,000	0.0210	0.0298	0.0000	0.0298	0.0000	0.0006	0.0006
Butler	\$270,000	0.0073	0.1292	0.0341	0.0952	0.0003	0.0007	0.0009
Chester Co. (1)	\$166,248	0.0045	0.0357	0.0082	0.0275	0.0000	0.0001	0.0001
Chester Co. (2)	\$2,310,000	0.0628	0.1168	0.0264	0.0904	0.0017	0.0057	0.0073
Chester Co. (3)	\$150,000	0.0041	0.1159	0.0087	0.1072	0.0000	0.0004	0.0005
Clarion Co.	\$150,000	0.0041	0.1371	0.0000	0.1371	0.0000	0.0006	0.0006
Clearfield-Lawrence	\$210,000	0.0057	0.0351	0.0000	0.0351	0.0000	0.0002	0.0002
Corry-Lawrence	\$150,000	0.0041	0.0384	0.0027	0.0357	0.0000	0.0001	0.0002
Doylestown	\$190,000	0.0052	0.0375	0.0109	0.0266	0.0001	0.0001	0.0002
Ebensburg	\$150,000	0.0041	0.0849	0.0111	0.0737	0.0000	0.0003	0.0003
Grove City	\$150,000	0.0041	0.1342	0.0094	0.1248	0.0000	0.0005	0.0005
Hazleton	\$100,700	0.0027	0.0423	0.0118	0.0305	0.0000	0.0001	0.0001
Heritage	\$1,282,500	0.0349	0.1281	0.0282	0.0999	0.0010	0.0035	0.0045
Indiana	\$261,250	0.0071	0.0904	0.0670	0.0234	0.0005	0.0002	0.0006

Airport	Federal Funds	Fed. Funds Wt.	Final Step-2 Ratio	RC	RN	Wtd. RC	Wtd. RN	Wtd. Step-2 Ratio
Mifflin	\$190,000	0.0052	0.0217	0.0000	0.0217	0.0000	0.0001	0.0001
New Castle	\$150,000	0.0041	0.1075	0.0066	0.1009	0.0000	0.0004	0.0004
New Garden	\$63,000	0.0017	0.0336	0.0097	0.0239	0.0000	0.0000	0.0001
Northumberland (1)	\$225,000	0.0061	0.0976	0.0230	0.0746	0.0001	0.0005	0.0006
Northumberland (2)	\$225,000	0.0061	0.0962	0.0228	0.0734	0.0001	0.0004	0.0006
Port Meadville	\$150,000	0.0041	0.0413	0.0116	0.0297	0.0000	0.0001	0.0002
Pottstown	\$54,000	0.0015	0.0376	0.0109	0.0266	0.0000	0.0000	0.0001
Punxsutawney	\$72,000	0.0020	0.0510	0.0510	0.0000	0.0001	0.0000	0.0001
Quakertown	\$150,000	0.0041	0.0387	0.0111	0.0275	0.0000	0.0001	0.0002
Somerset (1)	\$90,000	0.0024	0.0518	0.0000	0.0518	0.0000	0.0001	0.0001
Somerset (2)	\$90,000	0.0024	0.0518	0.0000	0.0518	0.0000	0.0001	0.0001
St. Mary's	\$150,000	0.0041	0.1551	0.0284	0.1267	0.0001	0.0005	0.0006
Titusville	\$150,000	0.0041	0.1349	0.0000	0.1349	0.0000	0.0006	0.0006
Venango Co.	\$150,000	0.0041	0.0833	0.0059	0.0774	0.0000	0.0003	0.0003
Wellsboro-Johnston	\$45,500	0.0012	0.0130	0.0000	0.0130	0.0000	0.0000	0.0000
Wilkes-Barre/Wyoming Valley	\$225,000	0.0061	0.0755	0.0659	0.0097	0.0004	0.0001	0.0005
William T. Piper	\$90,000	0.0024	0.0135	0.0000	0.0135	0.0000	0.0000	0.0000
Wings Field	\$150,000	0.0041	0.0372	0.0109	0.0263	0.0000	0.0001	0.0002
Total	\$36,776,048	1.0000	0.1635			0.0188	0.0756	0.0944

Numbers are rounded for display purposes.

PENNDOT's overall goal for FAA grants for FFYs 2017-19 is 9.44%, 1.88% of which will be obtained by race-conscious means and 7.56% by race-neutral means. As required by Section 26.45 of the DBE rule, the proposed goal is being forwarded to the Federal Aviation Administration (FAA).

GOOD FAITH EFFORTS

The Department conducted one Good Faith Efforts investigation over the last three years. The investigation revealed no data that would impact the goal. The Department will continue to monitor attainment and prime contractors' practices in regard to the DBE program.

DISPARITY STUDIES

The Department found no disparity studies in its jurisdiction tailored to the small airport aviation market in the Commonwealth.

Ongoing monitoring and updating

While the USDOT only requires the Department to submit goals every three years, the Department reserves the right to make corrections to individual grant goals as new data becomes available. The Department has always attempted to use the best data available when calculating goals and will continue to do so.

DATA SOURCES

All block grant data came from PENNDOT's Bureau of Aviation.

Enterprise unit information was taken from the U.S. Census Bureau's County Business Patterns for 2014.

Data for grant models obtained from PENNDOT's dotGrants system and discussion with Department grant managers.

All DBE information obtained from the Pennsylvania UCP at <http://www.paucp.com>

APPENDIX 1. Grant Descriptions

Airport	Grant Description
Beaver Co.	Rehabilitate North Apron
Bedford Co.	Update Master Plan
Bloomsburg	Rehabilitate Apron Phase II Construction
Brandywine (1)	Mitigate Approach Obstructions RW 9-27, Ph. II: Mitigation
Brandywine (2)	Widen Runway 9-27 for WAAS, PH III: Widen Runway, Construction
Butler	Rehabilitate Aprons
Chester Co. (1)	Rehabilitate Runway 29 (East Portion), Ph II: Construction
Chester Co. (2)	Rehabilitate Taxiway (East Section), Ph II: Construction
Clarion (1)	Rehabilitate Apron, Ph II: Construction
Clarion (2)	Widen Hangar Taxiway
Corry-Lawrence (1)	Install Generic Visual Glideslope Indicator RW 14
Corry-Lawrence (2)	Seal Coat Apron
Doylestown (1)	Rehabilitate Runway 5-23, Ph I: Design
Doylestown (2)	Remove Obstructions RW 5 Approach, Ph: III
Hazleton	Install Perimeter Fencing, Ph: II
Heritage	Rehabilitate Taxiway A, Ph I: Design
Indiana	Remove Obstructions Runway 29 Approach, Phase IV Construction
Jake Arner	Construct SRE Building Phase I Design
Jos. A. Hardy / Connellsville	Rehabilitate Taxiway F, Ph. I: Design
Mifflin Co.	Crack Seal and Remark Taxiway

Airport	Grant Description
New Garden	Conduct Aeronautical Survey LPV Approaches
Northumberland	Remove Approach Obstructions RW 8
Penn Valley	Mitigate Approach Obstructions Runway 17, Ph I
Pocono Mountain	Construct Northside Taxiway and Related Drainage, Ph II: Construction
Port Meadville	Rehabilitate Fueling Apron, Ph. I: Design
Pottstown	Mitigate RW 8 Approach Obstructions Ph I: Acquire Easements
Punxsutawney	Rehabilitate Runway Pavement (Crack Seal and Marking)
Quakertown	Rehabilitate and Expand Terminal Apron, Ph I: Design
Somerset	Install Perimeter Fence Phase I
St. Mary's	Rehabilitate Apron, Phase II Construction
Titusville (1)	Rehabilitate Airport Lighting System and Install Runway End Identifier Lights
Titusville (2)	Remove Obstructions in Runway Approaches Ph. I, Acquire Land (Fee Title and/or Easement), Design
Titusville (3)	Remove Obstructions in Runway Approaches, Ph. II: Remove Obstructions
Venango	Install Wildlife Fencing, Ph. II
Washington Co.	Remove Obstructions and Acquire Land, Ph. V
Wilkes-Barre/Wyoming Valley	Rehabilitate Apron, Ph I: Design
Zelienople (1)	Rehabilitate Runway 17-35, Ph I: Design
Zelienople (2)	Remove Obstructions (Part 77 Surfaces)
Bedford Co.	Expand West Apron, Ph. I Design
Bloomsburg	Install Visual Nav aids

Airport	Grant Description
Bradford	Rehabilitate RW 5-23 Ph. I Design
Brandywine	Rehabilitate runway lighting Ph. I design
Chester Co.	Rehabilitate apron, Ph. I design
Clearfield- Lawrence	Improve perimeter fence
Doylestown	Rehabilitate RW 5-23 lighting
Ebensburg	Install Navigational Aids
Greenville	SRE Building-Design
Grove City	Install perimeter fencing, Ph. I
Jos. A. Hardy / Connellsville	Rehabilitate Taxiway F, Ph. II Construction
Mifflin Co.	Crackseal and remark apron
New Castle	Rehabilitate runway 13-31
New Garden	Install GVGI & REILS RW 6-24
Northumberland (1)	Construct Parking lot, ph. I design
Northumberland (2)	Improve access road, ph. I. design
Penn Valley	Crack-seal and remark runway
Pocono Mountain	Install Northside Taxiway lighting
Port Meadville (1)	Overlay runway, ph. I
Port Meadville (2)	Rehabilitate fuel farm, ph. II
Pottstown	Mitigate runway 8 approach obstructions, ph. II removal

Airport	Grant Description
Punxsutawney	Remove Obstruction runway approaches
Quakertown	Rehabilitate and expand terminal apron, ph. II construction
Schuylkill Co./ Joe Zerbey	Install perimeter fencing, ph. Ii
Somerset	Install perimeter fencing, ph. Ii
St. Mary's	Crack-seal and remark airport pavement
Wellsboro- Johnston	Rehabilitate apron,
Wilkes- Barre/Wyoming	Rehabilitate apron, ph. II construction
William T. Piper	Remove Obstructions Runway 9 approaches, ph. II removal
Zelienople	Rehabilitate Runway 17-35, Ph. II construction 0
Beaver Co.	Remove Obstructions RQ28 Approach
Bloomsburg	Install Perimeter Fencing
Bradford	Rehabilitate RW 5-23, Ph. II Construction
Brandywine	Rehabilitate Runway Lighting, Ph. II Construction
Butler	Conduct Environmental Assessment for Runway Extension
Chester Co.	Rehabilitate runway lighting Ph. I design
Clarion Co.	Rehabilitate runway, crackseal and marking
Clearfield- Lawrence	Update Master Plan
Corry-Lawrence	Remove objects in RPZ
Doylestown	Construct Apron, Ph. I Design
Ebensburg	Install AWOS

Airport	Grant Description
Grove City	Install perimeter fencing, Ph. II
Hazleton	Rehab Transient Apron, Ph. I Design
Heritage	Rehabilitate Taxiway A, Ph. II Construction
Indiana	Conduct Airport Master Plan Study
Mifflin	Install Visual Guide slope Indicator
New Castle	Install perimeter fencing
New Garden	Rehabilitate paved access road, Ph. I Design
Northumberland (1)	Construct Parking lot, ph. II construction
Northumberland (2)	Improve access road, ph. II. Construction
Port Meadville	Overlay runway, ph. I design
Pottstown	Rehabilitate east apron, Ph. I design
Punxsutawney	Construct SRE building, ph. I
Quakertown	Construct new taxiway to North Hangar area, ph. I design
Somerset (1)	Rehabilitate runway lighting, ph. I design
Somerset (2)	Rehabilitate taxiway lighting, ph. I design
St. Mary's	Rehabilitate turnaround taxiway
Titusville	Rehabilitate airport pavement, crack fill, crack-seal, overlay, remark
Venango Co.	Install wildlife fencing, ph. III
Wellsboro-Johnston	Install Obstruction lights, Runway 28
Wilkes-Barre/Wyoming Valley	Update Airport Master Plan

Airport	Grant Description
William T. Piper	Install basic AWOS
Wings Field	Rehabilitate T-Hangar Taxiways, Ph. I design

APPENDIX 2. Counties in Local Market Areas

Airport	PA	DE	MD	NJ	NY	OH	WV
Beaver Co.	Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Lawrence, Washington, Westmoreland					Ashtabula, Belmont, Carroll, Columbiana, Harrison, Jefferson, Mahoning, Tuscarawas	Brooke, Hancock, Marshall, Ohio
Bedford Co.	Armstrong, Bedford, Blair, Cambria, Centre, Clearfield, Cumberland, Fayette, Franklin, Fulton, Huntingdon, Indiana, Juniata, Mifflin, Perry, Somerset, Westmoreland		Allegheny, Frederick, Garrett, Washington				Berkeley, Grant, Hampshire, Hardy, Jefferson, Mineral, Morgan, Preston
Bloomsburg	Berks, Bradford, Carbon, Centre, Clinton, Columbia, Cumberland, Dauphin, Juniata, Lackawanna, Lebanon, Lehigh, Luzerne, Lycoming, Mifflin, Monroe, Montour, Northampton, Northumberland, Perry, Schuylkill, Snyder, Sullivan, Tioga, Union, Wayne, Wyoming			Warren			
Bradford	Bradford, Columbia, Lackawanna, Luzerne,				Broomfield, Chemung,		

Airport	PA	DE	MD	NJ	NY	OH	WV
	Lycoming, Montour, Northumberland, Pike, Susquehanna, Tioga, Union, Wayne, Wyoming				Cortland, Schuylker, Seneca, Steuben, Tioga, Tompkins, Yates		
Brandywine	Adams, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Perry, Philadelphia, Schuylkill, York	Kent, New Castle		Atlantic, Burlington, Camden, Cape May, Cumberland, Gloucester, Hunterdon, Mercer, Salem			
Butler Co.	Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, Mercer, Venango, Warren, Washington, Westmoreland					Columbiana, Harrison, Jefferson, Mahoning, Portage, Trumbull,	Brooke, Hancock, Marshall, Ohio
Chester Co.	Adams, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lancaster, Lebanon, Lehigh,	Kent, New Castle	Anne Arundel, Baltimore, Baltimore City, Carroll, Cecil,	Burlington, Camden, Gloucester, Hunterdon			

Airport	PA	DE	MD	NJ	NY	OH	WV
	Monroe, Montgomery, Northampton, Perry, Philadelphia, Schuylkill, York		Howard, Kent, Queen Anne's, Talbot	, Mercer, Somerset,			
Clarion Co.	Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, Mercer, Venango, Warren, Washington, Westmoreland				Chauta uqua	Mahoning	
Clearfield- Lawrence	Armstrong, Bedford, Blair, Cambria, Cameron, Centre, Clarion, Clearfield, Clinton, Elk, Forest, Huntingdon, Indiana, Jefferson, Juniata, Lycoming, McKean, Mifflin, Potter, Snyder, Venango, Warren						
Corry- Lawrence	Allegheny, Armstrong, Beaver, Butler, Cambria, Centre, Clarion, Clearfield, Clinton, Elk Erie, Forest, Indiana, Jefferson, Juniata, Lawrence, McKean, Mercer, Mifflin, Potter, Venango, Warren				Cattar augus, Chauta uqua, Erie	Ashtabula, Lake	

Airport	PA	DE	MD	NJ	NY	OH	WV
Doylestown	Berks, Bucks, Carbon, Chester, Delaware, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, Schuylkill	New Castle	Cecil	Atlantic, Burlington, Camden, Cumberland, Gloucester, Hunterdon, Mercer, Salem			
Ebensburg	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Centre, Clarion, Clearfield, Clinton, Elk, Fayette, Greene, Huntingdon, Indiana, Jefferson, Juniata, Lawrence, Potter, Somerset, Washington, Westmoreland		Alleghany				
Greenville	Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, Mercer, Venango, Warren, Washington, Westmoreland					Ashtabula, Carroll, Columbiana, Cuyahoga, Geauga, Lake, Mahoning, Portage, Trumbull	
Grove City	Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson,					Carroll, Columbiana, Jefferson, Mahoning	Brooke, Hancock

Airport	PA	DE	MD	NJ	NY	OH	WV
	Lawrence, Mercer, Venango, Warren, Washington, Westmoreland						
Hazleton	Berks, Bradford, Bucks, Carbon, Chester, Columbia, Delaware, Lackawanna, Lehigh, Luzerne, Lycoming, Monroe, Montgomery, Montour, Northampton, Northumberland, Philadelphia, Pike, Schuylkill, Snyder, Sullivan, Susquehanna, Tioga, Union, Wayne, Wyoming			Camden, Hunterdon, Sussex, Warren			
Heritage	Berks, Bucks, Carbon, Chester, Delaware, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, Schuylkill	New Castle	Cecil	Atlantic, Burlington, Camden, Cumberland, Gloucester, Hunterdon, Mercer, Salem, Warren			
Indiana	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Clearfield, Elk, Fayette, Huntingdon, Indiana, Jefferson, Lawrence, Mercer,					Jefferson, Mahoning	

Airport	PA	DE	MD	NJ	NY	OH	WV
	Somerset, Venango, Warren, Washington, Westmoreland						
Jake Arner	Berks, Bucks, Carbon, Chester, Delaware, Lackawanna, Lehigh, Luzerne, Monroe, Montgomery, Northampton, Philadelphia, Pike, Schuylkill, Susquehanna, Wayne, Wyoming			Burlington , Camden, Gloucester , Hunterdon , Mercer, Warren	Sullivan		
Jos. A. Hardy / Connellsville	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Clarion, Fayette, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, Somerset, Washington, Westmoreland						
Mifflin Co.	Adams, Bedford, Blair, Bradford, Cambria, Cameron, Centre, Clearfield, Clinton, Columbia, Cumberland, Dauphin, Elk, Franklin, Fulton, Huntingdon, Juniata, Lancaster, Lebanon, Lycoming, McKean, Mifflin,		Washington				

Airport	PA	DE	MD	NJ	NY	OH	WV
	Montour, Northumberland, Perry, Potter, Snyder, Somerset, Sullivan, Tioga, Union, York						
New Castle	Allegheny, Armstrong, Beaver, Butler, Clarion, Crawford, Erie, Fayette, Forest, Greene, Indiana, Jefferson, Lawrence, Mercer, Venango, Warren, Washington, Westmoreland					Carroll, Columbian a, Harrison, Jefferson, Mahoning, Tuscarawas	Brooke, Hancock
New Garden	Adams, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Perry, Philadelphia, Schuylkill, York	Kent, New Castl e, Susse x	Cecil	Atlantic, Burlington , Camden, Cape May, Cumberla nd, Gloucester , Hunterdon , Mercer, Salem,			
Northumbe rland	Adams, Berks, Bradford, Carbon, Centre, Clinton, Columbia, Cumberland, Dauphin, Huntingdon, Juniata, Lackawanna, Lancaster, Lebanon, Luzerne, Lycoming, Mifflin, Monroe, Montour,						

Airport	PA	DE	MD	NJ	NY	OH	WV
	Northumberland, Perry, Schuylkill, Snyder, Sullivan, Tioga, Union, Wyoming, York						
Penn Valley	Adams, Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Cumberland, Dauphin, Elk, Franklin, Juniata, Lancaster, Lebanon, Lycoming, McKean, Mifflin, Montour, Northumberland, Perry, Potter, Snyder, Sullivan, Tioga, Union, York						
Pocono Mountain	Berks, Bucks, Carbon, Chester, Delaware, Lackawanna, Lehigh, Luzerne, Monroe, Montgomery, Northampton, Philadelphia, Pike, Schuylkill, Susquehanna, Wayne, Wyoming,			Bergen Essex, Hudson, Hunterdon , Mercer, Middlesex , Morris, Passaic, Somerset, Sussex, Union, Warren	Broom e, Orang e, Sulliva n,		
Port Meadville	Allegheny, Armstrong, Beaver, Butler, Cambria, Clarion, Clearfield, Clinton, Elk Erie, Forest, Indiana, Jefferson, Juniata, Lawrence, McKean, Mercer,				Chauta uqua	Ashtabula, Columbian a, Cuyahoga, Geauga, Lake, Mahoning,	

Airport	PA	DE	MD	NJ	NY	OH	WV
	Mifflin, Potter, Venango, Warren					Portage, Trumbull	
Pottstown	Berks, Bucks, Carbon, Chester, Delaware, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, Schuylkill	New Castle	Cecil	Atlantic, Burlington, Camden, Cumberland, Gloucester, Hunterdon, Mercer, Salem, Warren,			
Punxsutawney	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Cameron, Centre, Clarion, Clearfield, Elk, Erie, Forest, Huntingdon, Indiana, Jefferson, Lawrence, McKean, Mercer, Potter, Somerset, Venango, Warren, Westmoreland						
Quakertown	Adams, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Perry, Philadelphia, Schuylkill, York	New Castle	Cecil	Atlantic, Burlington, Camden, Cumberland, Gloucester, Hunterdon, Mercer, Middlesex, Salem, Somerset, Warren			

Airport	PA	DE	MD	NJ	NY	OH	WV
Schuylkill Co./ Joe Zerbey	Adams, Berks, Bradford, Bucks, Carbon, Chester, Columbia, Dauphin, Delaware, Franklin, Lackawanna, Lancaster, Lebanon, Lehigh, Luzerne, Lycoming, Mifflin, Monroe, Montgomery, Montour, Northampton, Northumberland, Perry, Schuylkill, Susquehanna, Tioga, Union, Wayne, Wyoming, York	New Castle	Cecil	Hunterdon, Warren			
Somerset	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Clarion, Fayette, Fulton, Greene, Huntingdon, Indiana, Jefferson, Lawrence, Somerset, Washington, Westmoreland		Alleghany, Garrett,				Brooke, Hampshire, Hardy, Marion, Mineral, Monongalia, Morgan, Preston, Taylor, Tucker
St. Mary's	Allegheny, Armstrong, Beaver, Butler, Cameron, Centre, Clarion, Clearfield, Clinton, Crawford, Elk Erie, Forest, Indiana, Jefferson, Juniata, Lawrence, McKean, Mercer,				Alleghany, Cattaraugus		

Airport	PA	DE	MD	NJ	NY	OH	WV
	Mifflin, Potter, Venango, Warren						
Titusville	Allegheny, Armstrong, Beaver, Butler, Cameron, Clarion, Clearfield, Clinton, Crawford, Elk Erie, Forest, Indiana, Jefferson, Juniata, Lawrence, McKean, Mercer, Mifflin, Potter, Venango, Warren				Cattaraugus, Chautauque,	Ashtabula, Geauga, Mahoning, Trumbull	
Venango	Allegheny, Armstrong, Beaver, Bedford, Blair, Butler, Cambria, Clarion, Clearfield, Fayette, Greene, Indiana, Jefferson, Lawrence, Somerset, Venango, Washington, Westmoreland		Allegheny			Columbiana, Harrison, Jefferson, Mahoning, Trumbull,	Brooke, Hancock, Marion, Marshall, Monongalia, Ohio, Preston, Taylor,
Washington Co.	Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Lawrence, Washington, Westmoreland					Belmont, Carroll, Columbiana, Guernsey, Harrison, Jefferson, Mahoning, Monroe, Noble, Tuscarawas	Barbour, Brooke, Hancock, Harrison, Lewis, Marion, Marshall, Monongalia, Ohio, Pleasants, Preston, Taylor, Tyler, Wetzel
Wellsboro-Johnston	Bradford, Cameron, Centre, Clearfield, Clinton, Columbia, Elk, Juniata, Lycoming, McKean, Mifflin,				Schuylker, Seneca, Steuben,		

Airport	PA	DE	MD	NJ	NY	OH	WV
	Montour, Northumberland, Potter, Snyder, Sullivan, Tioga, Union				Tioga, Tompkins, Yates		
Wilkes-Barre/Wyoming	Berks, Bradford, Bucks, Carbon, Chester, Columbia, Dauphin, Delaware, Lackawanna, Lehigh, Luzerne, Lycoming, Monroe, Montgomery, Montour, Northampton, Northumberland, Philadelphia, Pike, Schuylkill, Snyder, Sullivan, Tioga, Union, Wayne, Wyoming,			Sussex, Warren	Broom e, Orang e, Sulliva n		
William T. Piper	Blair, Bradford, Cambria, Cameron, Centre, Clearfield, Clinton, Elk, Huntingdon, Juniata, Lycoming, McKean, Mifflin, Montour, Northumberland, Perry, Potter, Schuylkill, Snyder, Sullivan, Tioga, Union						
Wings Field	Adams, Berks, Bucks, Carbon, Chester, Cumberland, Dauphin, Delaware, Franklin, Lancaster, Lebanon, Lehigh, Monroe,	Kent, New Castl e	Cecil	Atlantic, Burlington , Camden, Cape May, Cumberla nd, Gloucester			

Airport	PA	DE	MD	NJ	NY	OH	WV
	Montgomery, Northampton, Perry, Philadelphia, Schuylkill, York			, Hunterdon , Mercer, Middlesex , Salem, Somerset, Warren			
Zelienople	Allegheny, Armstrong, Beaver, Butler, Clarion, Fayette, Greene, Indiana, Jefferson, Lawrence, Washington, Westmoreland					Belmont, Carroll, Columbiana, Harrison, Jefferson, Mahoning, Portage, Summit, Trumbull	Brooke, Hancock, Marshall, Monongalia, Ohio

APPENDIX 3. Growth Rates by NAICS Codes.

DBE Growth Rates in Construction NAICS Codes

Year	236210		237110		237120		237130		237310		238910	
	Units	Growth	Units	Growth	Units	Growth	Units	Growth	Units	Growth	Units	Growth
2016	51	0.0000	74	-0.0133	9	0.0000	21	0.0000	198	-0.0341	103	0.0098
2015	51	0.0200	75	0.1029	9	0.2857	21	0.0500	205	0.0406	102	0.0515
2014	50	0.0000	68	0.0303	7	0.0000	20	0.0000	197	-0.0199	97	0.0211
2013	50	0.0000	66	0.0476	7	0.0000	20	0.1765	201	0.0152	95	-0.0952
2012	50	0.2195	63	0.3696	7	1.3333	17	0.0625	198	0.1061	105	0.0606
2011	41		46		3		16		179		99	
Five-Year Avg.		0.0479		0.1074		0.3238		0.0578		0.0216		0.0096

DBE Growth in Professional NAICS Codes

Year	541310		541330		541620	
	Units	Growth	Units	Growth	Units	Growth
2016	57	0.0556	276	0.0073	137	0.0379
2015	54	0.0800	274	0.1369	132	0.1379
2014	50	0.0000	241	0.0478	116	0.0943
2013	50	0.0204	230	0.0550	106	-0.0093
2012	49	0.0652	218	0.0634	107	0.1263
2011	46		205		95	
Five-Year Avg.		0.0442		0.0621		0.0774

EU Growth Rates in Construction NAICS Codes

Year	236210		237110		237120		237130		237310		238910	
	Units	Growth	Units	Growth	Units	Growth	Units	Growth	Units	Growth	Units	Growth
2016	164	-0.0180	333	-0.0403	80	0.0000	160	0.0000	396	-0.0341	1658	-0.0213
2015	167	0.0060	347	0.0058	80	0.0390	163	0.0500	399	0.0406	1694	-0.0041
2014	166	-0.0514	345	0.0177	77	0.1493	146	0.0000	404	-0.0199	1701	-0.0010
2013	175	0.0542	339	-0.0287	67	0.0806	168	0.1765	431	0.0152	1720	-0.0244
2012	166	0.0573	349	-0.0464	62	0.0164	174	0.0625	427	0.1061	1763	-0.0173
2011	157		366		61		171		415		1794	
Five-Year Avg.		0.0479		0.1074		0.0571		-0.0100		-0.0089		-0.0156

EU Growth in Professional NAICS Codes

Year	541310		541330		541620	
	Units	Growth	Units	Growth	Units	Growth
2016	678	0.0135	2190	0.0301	430	-0.0092
2015	669	-0.0162	2126	-0.0212	434	0.0000
2014	680	-0.0368	2172	-0.0109	434	-0.0181
2013	706	-0.0561	2196	0.0009	442	0.0091
2012	748	-0.0027	2194	0.0083	438	0.0330
2011	750		2176		424	
Five-Year Avg.		0.0442		0.0014		0.0030